

MANDATORY DISCLOSURE

The following information shall be given in the information Brochure besides being hosted on the Institution's official Website.

The onus of the authenticity of the information lies with the Institution ONLY and not on AICTE.

1. Name of the Institution

Vyavasayi Vidya Pratishthan –Sanchalit-Engineering College

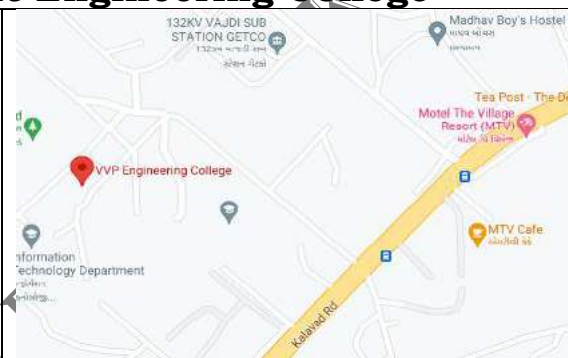
Address :

Virda-Vajdi, Kalawad Road
Rajkot- 360 005.

Contact No. +91-9172315401
+91-9157717501
+91-9157716781

Web Site : www.vvpedulink.ac.in

Email : vvpedulink@gmail.com
: info@vvpedulink.ac.in



2. Name and address of the Trust and the Trustees

Vyavasayi Vidya Pratishthan

Type of Organisation : Trust

Address :

V.V.P. Engineering College
Virda-Vajdi, Kalawad Road
Rajkot- 360 005.

Contact No. +91-9172315401

+91-9157717501

+91-9157716781

Web Site : www.vvpedulink.ac.in

Email : vvptrustrajkot@gmail.com

3. Name and Address of the Principal

Dr. Tejas P. Patalia

Principal

Address :

Virda-Vajdi, Kalawad Road
Rajkot- 360 005.

Mobile No. : +91-9428200514

Contact No.: +91-9172315401
+91-9157717501
+91-9157716781

Web Site : www.vvpedulink.ac.in

Email : vvpedulink@gmail.com, info@vvpedulink.ac.in

4. Name of the Affiliating University

Gujarat Technological University

Nr.Vishwakarma Government Engineering College
Nr.Visat Three Roads, Visat - Gandhinagar Highway
Chandkheda, Ahmedabad – 382424 - Gujarat

5. Governance

• Members of the Board and their brief background

Name	Designation
Shri Lalitbhai Mehta (M.Com.- LL.B.) Retired Principal of College, Ex-MP of Rajya sabha and leader in Co-operative sector	Managing Trustee
Shri Kaushikbhai Shukla (B.A.) A well known Builder & leader in Cooperative sector	Trustee
Dr. Sanjeevbhai Oza Educationalist x-Vice Chancellor, Ayurved University, Jamnagar	Trustee
Shri Harshalbhai Maniar (M.B.A.) Technocrat	Trustee
Shri Narendrabhai Dave (L.L.B, L.L.M., Ph.D.-Law) Nominee of the Affiliating University & Ex.Tresaurry Officer, Govt. of Gujarat, Rajkot	Trustee
Shri Kishorebhai Trivedi Educationalist (Niyamak-Indubhai Pareksh School of Architecture & Welknown Architect)	Member
Shri Nalinbhai Vasa Industrialist (Chairman,Rajkot Nargik Sahkari Bank. Ltd., Rajkot)	Member
Shri Vinodbhai H. Lathia Builders & Developers	Member
Dr. Tejas Prataprai Patalia Principal. - V.V.P. Engg College&	Member Secretary
Dr. Piyush B. Vanzara ProfessorHead of Department - Chemical Engg. Dept. V.V.P. Engg College	Member
Dr. Nirav P. Maniar Asso. Professor -Mechanical Engg. Dept. V.V.P. Engg College	Member
• Frequency of the Board Meeting	
3 to 4 per Year	

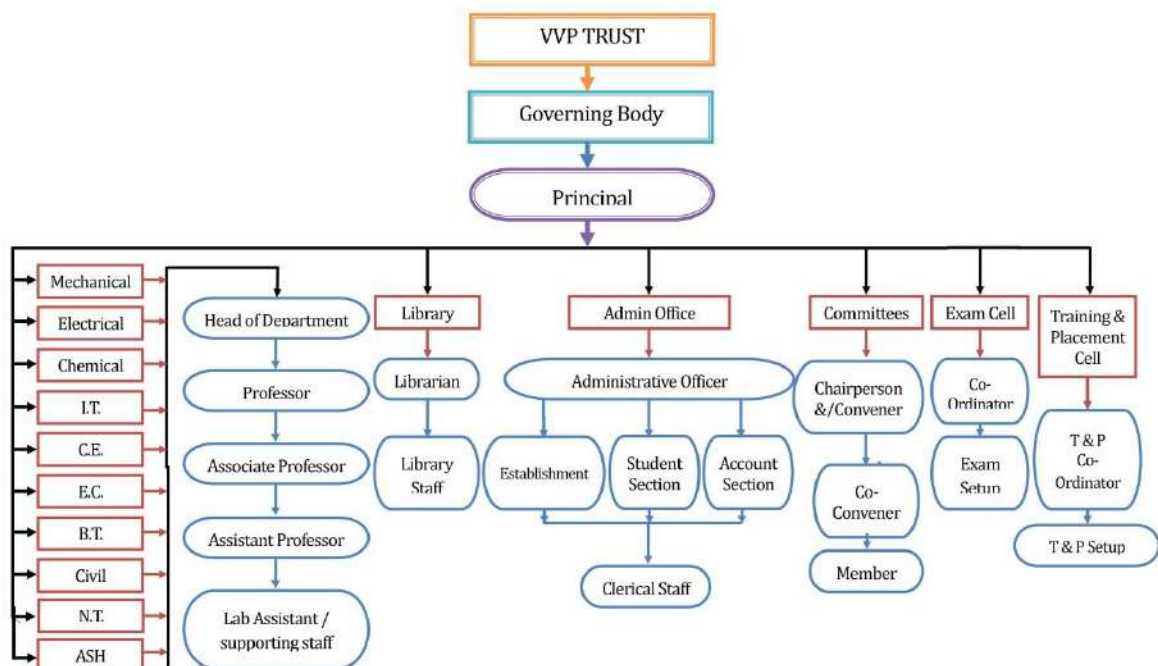
Vision

- To be an exemplary institute, transforming students into competent professionals with human values.

Mission

- To provide a conducive academic environment for strengthening technical capabilities of the students.
- To strengthen linkages with industries, alumni and professional bodies.
- To organize various co-curricular and extra-curricular activities for overall development of the students.
- To practice good governance and conduct value-based activities for making students responsible citizens.

Organizational chart and processes



Student Feedback on Faculty performance

System is established for taking feedback from students for their performance.

• Grievance Redressal Mechanism for Faculty, Staff and Students

A Grievance Redressal Committee is constituted at the institute level for the solution of all types of problems reported by the students wide following references:

- AICTE (Establishment of Mechanism for Grievance Redressal) regulations, 2012 F. No. 37-3/ Legal/2012 dated 25th May 2012
- UGC Notification for a redress of grievances of students) Regulations, 2019 F. No. 14-4/2012 (CPP-II) dated 6th May 2019
- GTU/Grievance/Circular/2020/2442 dated 29/2/2020

Online Grievance Redressal Mechanism has been established by the Institute for students and the same has been put on institute website.

The objective of this cell is to cultivate a responsible and accountable approach among all the students to maintain harmony and a healthy atmosphere in the institute.

• Establishment of Anti Ragging Committee

Working Mechanism of Anti Ragging Committee

- 1) The information of ragging can be received in the following manner:
- 2) Through any student/member of the Institute.
- 3) From any external source.
- 4) In the event of receipt of information of ragging by any of the officers, he/she will promptly alert/inform the Chairman of the Anti-Ragging Committee of the Institute or any of its members.
- 5) The Anti-Ragging Committee of the Institute shall promptly conduct a preliminary on the spot enquiry and collect details of the incident as available prima facie. The preliminary investigation/details of the incident shall be immediately brought to the notice of the Chairman of the committee.
- 6) The Anti-Ragging Committee of the Institute shall complete the enquiry and submit its report along with recommendations to the Chairman of the Anti-Ragging Committee of the Institute within fifteen days of the incident.
- 7) Then after, the said report with recommendations shall be considered by the Anti-Ragging Committee for further action.

• Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University

A Grievance Redressal Committee is constituted at the institute level for the solution of all types of problems reported by the students wide following references:

- AICTE (Establishment of Mechanism for Grievance Redressal) regulations, 2012 F. No. 37-3/ Legal/2012 dated 25th May 2012
- UGC Notification for a redress of grievances of students) Regulations, 2019

F. No. 14-4/2012 (CPP-II) dated 6th May 2019

➤ GTU/Grievance/Circular/2020/2442 dated 29/2/2020

The objective of this cell is to cultivate a responsible and accountable approach among all the students to maintain harmony and a healthy atmosphere in the institute.

Student Grievance Redressal Committee (SGRC)

Sr. No.	Name	Designation
1	Dr. T.P.Patalia	Chairman of Committee- Principal, VVPEC
2	Dr. P.B. Vanzara	Convener - HOD Chemical Engg. dept., VVPEC
3	Dr. D.H. Patel	Member - HOD IT Dept., VVPEC
4	Prof. S.Y.Yagnik	Member - Assistant Professor, Mechanical Engg. dept., VVPEC

• Establishment of Internal Complaint Committee (ICC)

To address the women's complaints associated with sexual harassment a committee is in place. Any women aggrieved in this matter may fearlessly approach the committee for a fair and concerned hearing and redressal. The complaint can be done directly to presiding officer or any member of the committee. The committee members fairly address the matter and take corrective actions if required. The critical cases are also brought to the notice of higher authorities.

Internal Complaint Committee :

Sr. No.	Name	Designation
1	Dr. T. P. Patalia	Chairman of Committee – Principal, VVPEC
2	Dr. C.R. Patel	Preceding Officer - Associate Prof., E.C. Dept., VVPEC
3	Prof.P. V. Chavda	Member - HOD B.T. Dept., VVPEC
4	Mrs. A.R. Upadhyay	Member - Lab Assistant, Elect.and Comm. Dept., VVPEC
5	Shri D.B. Raval	Member - Lab Assistant, Electrical Engg. Dept., VVPEC
6	Miss Vipasi Jani	Student – I.T. – VVPEC
6	Miss Pareksha Kotak	Student – Mech. - VVPEC
7	Mr. Aditya Sony	Student – B.T. - VVPEC

• **Establishment of Committee for SC/ST**

No	Detail	Name	Dept.	Post
1	Female Teaching	Miss S. K. Kathad	Elect	Chairman
2	Female Teaching	Dr. S.A. Pandya	EC	Member
3	Male Non Teaching of sc/st category	Shri D. R. Chavda	Civil	Member
4	Male Non Teaching	Shri K. C. Sheth	Office	Member

• **Internal Quality Assurance Cell**

Sr.No.	Name & Designation	Designation
1	Dr. T. P. Patalia Principal – VVPEC & HOD CE - VVPEC	Chairperson
2	Dr. P.B. Vanzara Professor & HOD – Chemical - VVPEC	Member Secretary
3	Dr. N.P. Maniar Asso. Professor & HOD – Mechanical - VVPEC	Member
4	Dr. A. S. Adesara Asso. Professor & HOD – Electrical - VVPEC	Member
5	Dr. D.H. Patel Assistant Professor & I/c. HOD IT - VVPEC	Member
6	Dr. P.M. Dholakia Associate Professor & HOD - EC - VVPEC	Member
7	Dr. J.V. Mehta Associate Professor & HOD – Civil - VVPEC	Member
8	Mrs. P. V. Chavda Assistant Professor & I/c HOD – B.T. VVPEC	Member
9	Dr. U.O. Mankad Assistant Professor - & I/c HOD - ASH - VVPEC	Member
10	Administrative Officer - VVPEC	Member

6. Programmes

- Name of Programmes approved by AICTE**

Course	:	Bachelor of Engineering (B.E.)
Level	:	Under Graduate (UG)
Name of Department	1 st Year of approval by AICTE (give approval ref. no. & date)	Remarks
Mechanical Engineering	742-87-002 (E)/ ET-96, Dt. 28-06-1996	
Electrical Engineering	742-87-002 (E)/ ET-96, Dt. 28-06-1996	
Chemical Engineering	742-87-002 (E)/ ET-96, Dt. 28-06-1996	
Information Technology	742-1-5-(GUJ)ET-99, Dt. 24-06-1999	
Computer Engineering	740-87-01/COR-GUJ/ET/2000 Dt.23-10-2000	
Electronics & Communication	740-87-01/COR-GUJ(AC)/ET/2000 Dt. 07-11-2000	
Bio-Technology	740-87-115(E)/RC/95, Dt.25-06-2004	
Civil Engineering	F.No./Central/1-398988892/2011/EOA Dt. 1-9-2011	

- Name of Programmes Accredited by NBA**

- (1) Electrical Engineering
- (2) Computer Engineering
- (3) Electronics & Communication Engineering
- (4) Civil Engineering

- Total number of Courses**

08

- No. of Courses for which applied for Accreditation**

N.A.

Cut off Marks Admission during last 3 years

Department	Intake	Duration in Year	Cut of Rank		
			2020-21	2021-22	2022-23
Mechanical	120	4	33076	26833	21204
Electrical	60	4	32952	25866	18532
Chemical	60	4	26266	23036	21810
I.T.	60	4	9885	7678	26046
C.E.	60	4	6480	4806	15341
E.C.	30	4	32936	25481	12881
Civil	60	4	31687	25609	23053
B.T.	30	4	1947	-	12552
• Year wise Sanctioned Intake			2020-21	2021-22	2022-23
			510	450	660
• Year wise Actual Admission			2020	2021	2022
			333 + 26 TFW + 03 ICCR 02 JNK	291 + 16 TFW	349 + 19 TFW + 2 ICCR
• GTU TOP Ten Student			2020	2021	2022
			05	03	03
Students passed with ≥ 7 SPI			2020	2021	2022
			599/606	593/619	560/565
• Fee (as approved by the state government)					
2020-2021		2021-22		2022-2023	
93000		93000		93000	

Enrollment and placement details of students in the last 3 years

Enrollment Students for the A.Y. 2022-23 (B.E.)

Name of Branch	Numbers of Student Enrollment in First Year	Numbers of Student Enrollment in Lateral Entry /D2D	Total
Mechanical Engineering	20	37	57
Electrical Engineering	05	16	21
Chemical Engineering	08	16	24
Information Technology	106	07	113
Computer Engineering	187	8	195
Electronics & Communication	18	01	19
Biotechnology	20	0	20
Civil Engineering	06	21	27
Grand Total	370	106	476

Enrollment Students for the A.Y. 2021-22 (B.E.)

Name of Branch	Numbers of Student Enrollment in First Year	Numbers of Student Enrollment in Lateral Entry /D2D	Total
Mechanical Engineering	69	30	99
Electrical Engineering	16	23	39
Chemical Engineering	39	24	63
Information Technology	71	8	79
Computer Engineering	72	7	79
Electronics & Communication	22	1	23
Civil Engineering	14	17	31
Grand Total	303	110	413

Enrollment Students for the A.Y. 2020-21 (B.E.)

Name of Branch	Numbers of Student Enrollment in First Year	Numbers of Student Enrollment in Lateral Entry /D2D	Total
Mechanical Engineering	84	50	134
Electrical Engineering	21	41	63
Chemical Engineering	28	20	48
Information Technology	73	7	80
Computer Engineering	75	9	84
Electronics & Communication	38	3	41
Civil Engineering	33	28	61
Biotechnology	6	0	6
Grand Total	359	158	517

Enrollment Students for the A.Y. 2019-20 (B.E.)

Name of Branch	Numbers of Student Enrollment in First Year	Numbers of Student Enrollment in Lateral Entry /D2D	Total
Mechanical Engineering	103	17	120
Electrical Engineering	44	13	57
Chemical Engineering	63	9	72
Information Technology	75	7	82
Computer Engineering	75	9	84
Electronics & Communication	38	1	39
Civil Engineering	53	12	65
Biotechnology	10	1	11
Grand Total	461	69	530

• **Placement Facilities**

Name of Training & Placement Officer	Dr. Jignesh H. Joshi
Contact No	+91-9824347170
email address	placement@vvpedulink.ac.in

Esteemed Companies Regularly Recruiting Our Students and Giving Them Opportunity (ON/OFF/POOL Campus)

HFFC	Multispan Engineering
Accenture	Nayara Energy
ACCURATE ASSOCIATES	Neel Design, architect and interior
Aimdek	Nirma
Aimdek	NXT technology
Akashar Buildcon Pvt ltd	Om Developers
AKSHAR CONSTRUCTION PVT LTD	Omnitech Engineering
Amity Resin	ONIX STRUCTURE PVT LTD
Amoli Organics	Open Silicon
Appguru	Perfect VIP
Appguruz	PHOENIX PROJECTS PVT LTD
Arastu	Powerlite Electricals
Argusoft	RAJ CONCEPT PVT.LTD , ISO 9001:2015 CERTIFIED COMPANY
Asahi Glass	Rajal Industries
Asahi Glass Pvt	Ratnam Energy
Asite	Reliance
Bacancy	Sanmar Group
Bacancy Technology	Satva Solutions
Bharat Petroleum Corporation Ltd	Saurastra Chemicals
Cerium System	Searce
Cinif	Shaktiman
Concord Biotech Pvt. Ltd.	Siddhi Engineering
einfochip	Silent Infotech
EPP Composites Pvt Ltd	Silver Motor & Pumps
Equinox Solar	Silver technology
Etech	Simform Solutions
Fasttrack HRServices	Sofnautics
Fortune - Contractor	Solute Technolabs
Galaxy Stamping	Sopan Group of Construction, Sopan elegance
Gateway group of companies	Stemcom
GreenEra	Sterling Pump

GTPL	Sterlite
H.K.CONSTRUCTION ,RAJKOT	Streebo
High Bond Cement	SURAJ INFRACON
Impetus Prolific Pvt Ltd	Suzlon Energy
Infinite Computer Solutions (India) Limited	Synoverge
Infostretch	Tark Technologies
IRM Energy Pvt Ltd	Tatva Soft
Jay Pumps	TCS
Jetco	Torrecid
JJPV Solar	Tridhya
JMP Construction	Tridhyatech
JMR TECHNO	TSS Consultancy
Jyoti CNC	Ufresh
Kevit Technologies	Ultracab
Krushni Agro Engineering	Vishal bearing
Matrix Comsec	Volansys
Matrix Comsec Mech	Zignut
Meditab	Zytex
Microsoft	Glide Technologies
WeyBee	AMNEX
RSPL	Thermax
Aartronox Embedded System	Slalodge

Details of consultancy work

Environment Audit Cell

Environmental Audit Team Members of V.V.P. are GPCB, Gandhinagar approved Schedule – I auditor. Environmental Audit of various sectors like Cement, Chemical, Pharmaceutical, Steel, Refinery, Power plant, CETP (Common Effluent Treatment Plant), TSDF (Total Stabilization Disposal Facility), CBMWF (Common Bio-Medical Waste Treatment Facility), etc. Quarterly monitoring of Wastewater, Air & Noise is conducted in the allotted industries by GPCB in the Saurashtra – Kutch region. Our Environmental Audit Laboratory is approved by NABL (National Accreditation Board for Testing and Calibration Laboratory) as per ISO/IEC 17025: 2017.

Material Testing Cell

Material Testing Cell- V. V. P. Engineering College (Testing Laboratory) was started during the year 1998-99. Material Testing Cell offers Soil Testing and Material testing over years. Soil Testing includes sieve analysis, liquid and plastic limit in the soil, shear strength parameters by direct shear test, proctor compaction test, field density by core cutter method and soil classification. Material testing of various test on Construction related materials like concrete, aggregate, bricks, blocks, cement, ballast. Our Laboratory is under process to get approved by NABL (National Accreditation Board for Testing and Calibration Laboratory) as per ISO/IEC 17025: 2017.

V.V.P. Engineering College has Government of Gujarat Authorized Energy Audit Laboratory which was started with a financial support from Rolex Rolled Rings, Rajkot.

Energy Audit is the key to a systematic or scientific approach for decision-making in the area of energy management. It tries to stable the total energy inputs with its utilization and serves to identify all the energy streams in a facility. It quantifies energy usage according to its discrete functions. Industrial energy audit is an effective tool to define and pursuing complete energy management programme.

Our objectives are:

- * To achieve and maintain optimum energy procurement and utilization in the Society.
- * To minimize energy costs without affecting production & quality.
- * To minimize environmental effects.

Energy Audit Tie-up with Electrical Research and Development Association (ERDA) and Certified Energy Auditor

ERDA is an autonomous, not-for-profit sector, association of the Indian electrical industries & utilities. ERDA is registered as a society under the Society's Act & Public Trust. ERDA provides critical services to the power sector in three technical areas of "Testing & Evaluation", "Field Services", and "R&D and Expert Services". These services are provided through ERDA's 24 state-of-the-art technical centres located at its Head office at Vadodara.

Our Team is equipped to provide services in the key area of energy audit service, power quality audit service, thermography, electrical safety audit service etc. with a strength of an expert inhouse certified energy auditor and well qualified team.

7. Faculty-(Course/Branch wise list Faculty members)

Sr.	Name of the Teaching Faculty	Designation	Reg./Adhoc	UG	PG	Doc torate	Date of Joining
01	Dr. Patalia Tejas Prataprai	Principal	In-charge	B.E.(C.E.) Dist	M.E. C.E.(Dist)	Ph.D.	05-Aug-2022
Mechanical Engineering Department							
01	Dr. Nirav Pravinchandra	HOD Associate Professor	Regular	B.E.Dist	M.TECH. Dist	Ph.D.	01-Jul-2017
02	Dr. Ramani Rupesh Vallabhbbhai	Assistant Professor	Regular	B.E.Dist	M.TECH. Dist	Ph.D.	01-Nov-2006
03	Miss Saparia Anjana Damjibhai	Assistant Professor	Regular	B.E.First	M.E.First		07-Jul-2011
04	Mr. Joshi Jaykumar Pankajkumar	Assistant Professor	Regular	B.E.First	M.TECH. Dist		01-Jan-2011
05	Dr. Kundaliya Dipesh Dhirajlal	Assistant Professor	Regular	B.E. First	M.E. Dist	Ph.D.	01-Apr-2016
06	Mr. Pandya Sanket Arunkumar	Assistant Professor	Regular	B.E.First	M.E. Dist		10-Jun-2015
07	Mr. Khunt Hardik Ashokbhai	Assistant Professor	Regular	B.E.First	M.Tech. First		10-Jun-2015
08	Miss Ghodasara Pooja Mayurbhai	Assistant Professor	Regular	B.E.First	M.TECH. First		10-Jun-2015
09	Mr. Meghpara Nirav Kantilal	Assistant Professor	Regular	B.E.First	M.TECH. Dist		17-Jun-2015
10	Mr. Mehta Vijay Vinodray	Assistant Professor	Regular	B.E.Dist	M.TECH. First		01-Jan-2016
11	Dr. Makadia Jiten Jayantilal	Assistant Professor	Regular	B.E.First	M.E. Dist		01-Jan-2016
12	Mr. Bhimani Jasmin Parsotam	Assistant Professor	Regular	B.E.First	M.Tech. Dist		23-Aug-2021
13	Mr. Shingala Niraj Rameshbhai	Assistant Professor	Adhoc	B.TECH. First	M.E. First		13-Aug-2014
14	Mr. Delvadiya Parth Vasantbhai	Assistant Professor	Adhoc	B.TECH First	M.Tech		03-Feb-2015
15	Mr. Yagnik Sahil Yatinbhai	Assistant Professor	Adhoc	B.EDist	M.E Dist		01-Sep-2017
16	Mr. Chavda Akash Dharamshibhai	Assistant Professor	Adhoc	B.E. (Mech)	M.E. (Thermal)		10-Feb.-2022
17	Mr. Raval Bhavesh Bholabhai	Assistant Professor	Adhoc	B.E. (Mech) First	M.E. (Thermal) Dist		01-Mar.- 2022
Electrical Engineering Department							
1	Dr. Adeshara Alpesh Sureshchandra	HOD Associate Professor	Regular	B.E.(Elect) Dist	M.E. First	Ph.D.	01-Jul-2017
2	Dr. Rajani Sachin Vrajlal	Assistant Professor	Regular	B.E.(Elect) Dist	M.E. - (Elect) Dist	Ph.D.	01-Nov-2006
3	Miss Kathad Shilpa Keshubhai	Assistant Professor	Regular	B.Tech. - Elect. First	M.E. - Poser System First		01-Dec-2011
4	Mr. Parmar Devang Bhupendrabhai	Assistant Professor	Regular	B.E (Elect.) First	M.E (power system) Dist		01-Oct-2013

5	Dr. Bhayani Kishan Jivandas	Assistant Professor	Regular	B.E. First	M.E. First		03-Dec-2014
6	Mr. Pathak Amit Rajendrabhai	Assistant Professor	Regular	B.E. (Elect)Dist	M.Tech. Dist		10-Jun-2015
7	Mr. Pandya Hardik Maheshbhai	Assistant Professor	Regular	B.E.(Elect) Dist	M.Tech. Dist		10-Jun-2015
8	Mr. Budhrani Anoop Harishbhai	Assistant Professor	Regular	B.E. Dist	M.E. Dist		10-Jun-2015
9	Mr. Bhanderi Kunjan Babulal	Assistant Professor	Adhoc	B.E. First	M.E. Dist		29-Aug-2016
10	Mr. Varu Deepakkumar Mansukhlal	Assistant Professor	Adhoc	B.E.(Elect)	M.E. (Power System)		11-Feb.-2022

Chemical Engineering Department

1	Dr. Vanzara Piyush Bhagvanjibhai	HOD Professor	Regular	B.E. Dist	M.E.Dist	Ph.D.	01-Jul-2017
2	Dr. Parsana Vyomesh Mansukhbhai	Assistant Professor	Regular	B.E. Dist	M.E.Dist	Ph.D.	04-Jul-2010
3	Dr. Korgaokar Shushil Shudhanshu	Assistant Professor	Regular	B.Sc. Second	M.Sc. Second	Ph.D.	01-Oct-2005
4	Dr. Bhatti Darshana Tusharbhai	Assistant Professor	Regular	B.E. Dist	M.E.Dist	Ph.D.	01-Jun-2009
5	Mr. Pandya Jilesh Madhusudan	Assistant Professor	Regular	B.E. First	M.E.,Dist		01-Aug-2012
6	Mr. Patwardhan Ajinkya Mukund	Assistant Professor	Regular	B.Tech. Second	M.TECH. First		10-Jun-2015
7	Mr. Khirsariya Priyank Dineshbhai	Assistant Professor	Regular	B.E.Dist	M.TECH. Dist		11-Jun-2015
8	Mr. Koradiya Pratik Kishorbhai	Assistant Professor	Regular	B.E.Dist	M.E.Dist		23-Aug-2021
9	Mr. Vaidya Rahul Gautam	Assistant Professor	Adhoc	B.TECH. First	M.TECH. First		05-Dec-2019
10	Mrs. Upadhyay Dhara Ankitbhai	Assistant Professor	Adhoc	B.E (Chem)	M.E (Chem)		08-Feb.-2022

Information Technology Department


1	Dr. Patel Darshana Hiren	T/C. HOD Assistant Professor	Regular	B.E. - I.T.Dist	M.E.C.E Dist	Ph.D.	01-Sep-2009
2	Dr. Vora Komil Bharatkumar	Assistant Professor	Regular	B.E.Dist	M.S.Dist		01-Jul-2013
3	Mr. Upadhyay Darshan Prafulchandra	Assistant Professor	Regular	B.E.Distinction	M. E.First		01-Oct-2013
4	Mr. Vyas Vijaykumar Kishorbhai	Assistant Professor	Regular	B.E.Dist	M.TECH. First		23-Aug-2021
5	Mrs. Mashru Darshita Vishwajit	Assistant Professor	Adhoc	B.E.Dist	M.E.Dist		17-Jun-2020
6	Mrs. Jadeja Aditiba Karanraj	Assistant Professor	Adhoc	B.E. - Dist.	M.Tech.- Dist		22-Feb-2022
7	Mr. Chauhan Prashant Vijaybhai	Assistant Professor	Adhoc	B.E. - I.T. Dist	M.E. - C.E. Dist.		02-Feb-2022
8	Miss Jadeja Hetvi Chandrajitsinh	Assistant Professor	Adhoc	B.E. - I.T. Dist	M.E. - C.E. Dist.		18-May - 2023
9	Miss Davda Yatri Nitinbhai	Assistant Professor	Adhoc	B.E. - I.T. Dist	M.E. - C.E. Dist.		01-June- 2023

Computer Engineering Department							
1	Dr. Patalia Tejas Prataprai	HOD Professor	Regular	B.E.(C.E.) Dist	M.E. C.E.(Dist)	Ph.D.	01-Jul-2017
2	Mr. Joshi Dipesh Pankajbhai	Assistant Professor	Regular	BE Dist	MEDist		10-Jun-2015
3	Dr. Dhamecha Maulik Vipinchandra	Assistant Professor	Regular	B.E. Second	M.EFirst	Ph.D.	14-Dec-2015
4	Mr. Vachhani Savan Kiritbhai	Assistant Professor	Adoc	B.E. (C.E.)	M.E. (C.E.)	-	01-Feb.-2022
5	Miss Bakori Shivangi Kiritbhai	Assistant Professor	Adhoc	B.E. (C.E)	M.E. (C.E.)	-	14-Feb.-2022
6	Mr. Girnara Nikhilesh Nalinbhai	Assistant Professor	Adhoc	B.E. (C.E)	M.E. (C.E.)		22-June - 2022
7	Miss Sarvaiya Mital Dineshbhai	Assistant Professor	Adhoc	B.E. (C.E)	M.E. (C.E.)		24-June - 2022
8	Mr. Vyas Amitkumar Jayantilal	Assistant Professor	Adhoc	B.E. (C.E)	M.E. (C.E.)		01- July 2022
9	Mr. Vora Rahulkumar Vijaykumar	Assistant Professor	Adhoc	B.E. (C.E)	M.E. (C.E.)		11-July - 2022
10	Miss Chanv Brinda Dilipbhai	Assistant Professor	Adhoc	B.E. (C.E)	M.E. (C.E.)		11-July - 2022
11	Mr. Chhatrala Bhavesh Kamleshbhai	Assistant Professor	Adhoc	B.E. (C.E)	M.E. (C.E.)		23 - May - 2023
12	Mr. Thakar Vinit Natwarlal	Assistant Professor	Adhoc	B.E. (C.E)	M.E. (C.E.)		01- June- 2023
13	Miss Kotak Hetvi Chhabilbhai	Assistant Professor	Adhoc	B.E. (C.E)	M.E. (C.E.)		10-July- 2023
Electronics & Communication Engineering Department							
1	Dr. Dholakia Paresh Mohanlal	HOD Associate Professor	Regular	B.E. - E.C.First	ME (Microwave) Dist	Ph.D.	01-Jul-2017
2	Dr. Patel Charmy Rameshbhai	Associate Professor	Regular	B.E. - E.C.Dist	ME(IE)First	Ph.D.	01-Dec-2013
3	Dr. Nimavat Vishalkumar Dineshchandra	Associate Professor	Regular	B.E. - E.C.First	ME EC CSEFirst	Ph.D.	01-Apr-2014
4	Dr. Joshi Jignesh Hariprasad	Assistant Professor	Regular	B.E. - E.C.Dist	ME (CE)First	Ph.D.	01-Nov-2008
5	Dr. Pandya Sneha Atulbhai	Assistant Professor	Regular	B.E.Dist	M.E Dist	Ph.D.	01-Sep-2010
6	Dr. Kamdar Dipesh Girinbhai	Assistant Professor	Regular	B.E. - E.C.Dist	ME EC CSEDist	Ph.D.	01-Jul-2015
7	Miss Sheron Christy Henry	Assistant Professor	Regular	B.E. Dist	M.E. Dist		01-Mar-2013
8	Mr. Bhalani Nirmal Rasiklal	Assistant Professor	Regular	B.E. - E.C.First	M.Tech.D ist		10-Jun-2015
9	Mr. Sardhara Ravin Nathalal	Assistant Professor	Regular	B.E. - E.C.First	M.E.- D.C.First		10-Jun-2015
Bio Technology Engineering Department							
1	Mrs. Chavda Pooja Vishal	I/c. HOD Assistant Professor	Regular	B.E.Dist	M.E. Dist		01-Jun-2009
2	Mr. Dhuliya Shreyas Khimjibhai	Assistant Professor	Adhoc	BEFirst	M.Tech Third		02-Jan-2017
3	Miss Kansagara Urmi Hiteshbhai	Assistant Professor	Adhoc	B.Ed. Dist.	M.E. Dist		05-Mar-2019

Civil Engineering Department							
1	Dr. Mehta Jitendra Vasantlal	HOD Associate Professor	Regular	B.E.First	M.E. Dist	Ph.D.	01-Jul-2017
2	Mr. Nagecha Keyur Vinodrai	Assistant Professor	Regular	B.E. - First	M.E. - First		01-Jun-2011
3	Miss Rank Kinjal Pragjibhai	Assistant Professor	Regular	B.E.First	M.TECH First		01-Jul-2013
4	Dr. Ashani Hitesh Rameshchandra	Assistant Professor	Regular	B.E.First	M.E Dist.	Ph.D.	01-Jul-2013
5	Mr. Bhanderi Jaydeep Ghanshyambhai	Assistant Professor	Regular	BE Second	M.TECH Dist		01-Jan-2014
6	Mr. Parmar Gaurav Kantilal	Assistant Professor	Regular	B.TECH. First	M.TECH. First		01-Oct-2014
7	Mr. Shah Jignesh Arvindbhai	Assistant Professor	Regular	B.E.Dist.	M.E. W.R.E.M. First		15-Jun-2015
8	Mr. Gokani Bhargav Hasmukhbhai	Assistant Professor	Regular	B.E.Dist	M.E. First		23-Aug-2021
9	Miss Palan Kajal Rameshbhai	Assistant Professor	Adhoc	B.E.First	M.E. Dist		02-Aug-2016
10	Mr. Dholariya Vijay Rameshbhai	Assistant Professor	Adhoc	B.E.First	M.E. Dist		04-Jul-2019

Applied Sciences And Humanities							
1	Dr. Mankad Urja Ojas	I/c. HOD Assistant Professor	Regular	B.A. Second	M.A.Sec.	Ph.D.	01-Dec-2010
2	Dr. Kalariya Kiritkumar Narsibhai	Assistant Professor Mathematics	Adhoc	B.Sc. Dist	M.PHIL Dist	Ph.D.	01-Aug-2012
3	Dr. Vadhel Pravin Bachubhai	Assistant Professor - Maths	Adhoc	B.SC. Dist	M.SC. Dist	Ph.D.	11-Sep-2015
4	Mr. Vyas Dhaval Mahendrabhai	Assistant Professor - Maths	Adhoc	B.SC. Dist	M.SC. Second		01-Apr-2016
5	Mrs. Mehta Zarana Mihir	Assistant Professor - Maths	Adhoc	B.SC. First	M.SC. Second		10-Jun-2015
6	Dr. Rathod Dhavatsinh Bhupatsinh	Assistant Professor	Adhoc	B.A. Second	M.A. First	Ph.D.	05-Feb-2016
7	Ms. Badva Taruna Keshavbhai	Assistant Professor - CS	Adhoc	B.A. English Dist.	M.A. English Dist.		01-Jul-2019
8	Mr. Parth Rohitbhai Faldu	Assistant Professor	Adhoc	B.Sc. in Mathematics	M.sc. in applied Mathematics		04-Oct.-2022
9	Mr. Harshit Rameshbhai Palan	Assistant Professor	Adhoc	BE (Electrical Engineering)	PGDM IN BUSINESS MANAGEMENT		09-Feb.-2022

8. Profile of Principal

Name of the Teaching Staff	Dr. TEJAS PRATAPRAI PATALIA	
Designation	I/c. Principal	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	05-08-2022	

Date of Birth	14-07-1978
----------------------	------------

AICTE Unique id	1448085473
------------------------	------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	Diploma in Computer Engineering
	UG BE/B.Tech	BE- Computer Engineering
	PG ME/M.Tech	ME- Computer Engineering
	Ph.D.	Ph.D. – Computer Science and Engineering

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
18	NIL	NIL	NIL	NIL


Area of Specialization	Genetic Algorithm, Computer Networks, Network Security
-------------------------------	--

Course taught at	
Level	Subject
Diploma Level	Nil
Under Graduate Level	1 Computer Networks 2 Operating System 3 Artificial Intelligence 4 Information and Network Security 5 Computer Organization and architecture

	6 Programming for Problem Solving,
Post Graduate Level	1 Research Methodology 2 Constitution of India

Profile of All Teaching Staff (Department wise)

Mechanical Engineering Department

Name of the Teaching Staff	Dr. Nirav Pravinchandra Maniar	
Designation	Associate Professor & HOD	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	01/08/2000	

Date of Birth	06/01/1978
----------------------	------------

AICTE Unique id	1-448085709
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	NA
	UG BE/B.Tech	Production
	PG ME/M.Tech	Research (Mechanical Engineering)
	Ph.D.	Mechanical Engineering

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
23	NIL	NIL	NIL	NIL

Area of Specialization	Production Engineering, Manufacturing, Industrial Engineering, Fluid Mechanics
-------------------------------	--

Course taught at

Level	Subject
Diploma Level	NIL
Post Diploma Level	NIL
Under Graduate Level	Basic Mechanical Engineering, Elements of Mechanical Engineering, Fluid Mechanics & Hydraulics Machines, Fluid Power Engineering, Operations Research, Industrial Engineering, Production Technology, Quality & Reliability Engineering, Project Management, Entrepreneurship and E-business, Refrigeration & Air-conditioning Integrated Personality Development Course
Post Graduate Level	Advanced Materials Processing Techniques, Automation in Production & Hydraulic Control
Post Graduate Diploma Level	--

Research guidance (Number of Student)				
Master	Completed	5	On-going	NIL
Ph.D.	Completed	1	On-going	2

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	00	21	05	20

Research Publication
List of Journal Papers
1. Paper on "Design of 28 operations, 4 axis, 360° indexing milling fixture for CNC", International Journal of Recent Trends in Engineering (Mechanical Engineering) (IJRTE) in November – 2009, International ISBN 978-952-5726-04-6 (Print); ISBN 978-952-5726-05-3 (CD-ROM) Vol. 8, Issue 1. Page No. 86-93.
2. Paper on "Design & manufacturing with modeling, dynamic balancing & finite element analysis of rotary fixture for CNC turning centre to function as HMC", ASME Early Career Technical Journal – 2009" in October – 2009, Page No. 49-51.
3. Paper on "Comparative Study of Rotary Fixture Design – A Review", International journal of recent trends in Engineering and Technology (IJRTET) in March – 2011.
4. Paper on "Design & Development of Rotary Fixture for CNC", International Journal of Engineering & Science Inventions(IJESI), ISSN: 2278-0181 ISSN (Online): 2319-6734, ISSN (Print): 2319-6726, Vol. 1, Issue 1, Page No. 32-43, December – 2012.
5. Paper on "Design & Development of Rotary Fixture for CNC with tribology considerations of Mechanics Analysis and Dynamic Balancing as Pre-mortem Tool", Springer ISSN 2195-4356 ISSN 2195-4364 (electronic),

DOI 10.1007/978-81-322-1656-8 Springer New Delhi Heidelberg New York Dordrecht.
6. Paper on “Design, Modelling & Analytical Analysis of Rotary Fixture for CNC with an approach of Computer Aided Mass Balancing Method”, International Journal of Engineering Inventions (IJEI), ISBN: 2319-6491 ISSN: 2278-7461, Vol. 2, Issue 3, February – 2013.
7. Paper on “Design & Development of Fixture for CNC – Review, Practices & Future Directions”, International Journal of Scientific & Engineering Research (IJSER), ISSN: 2229-5518, Vol. 4, Issue 2, February – 2013.
8. Paper on “Design & Development of Rotary Fixture for CNC with an approach of Developing pre-mortem tool for mass balancing”, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 2, Issue 1, January – 2013.
9. Paper on “Prediction of shrinkage porosity defect in sand casting process of LM 25”, International Journal of Engineering Development and Research (IJEDR), November – 2016.
10. Paper on “Electromagnetic Crimping: Green Pulse Technology Forming”, International Journal of Emerging Technologies and Innovative Research, E ISSN: 2349-5162. Vol. 4, Issue 11, November – 2017.
11. Paper on “Design, Modelling and Manufacturing of Fixture for Machining Adaptor of Gas Equipment with an Approach to Improve Productivity”, International Journal of Creative Research Thoughts (IJCRT), ISSN: 2320 – 2882, Vol. 5, Issue 4, November - 2017.
12. Paper on “Prediction of shrinkage porosity defect in sand casting process of LM 25”, IOP Conference Series: Material Science and Engineering, ISSN: 17578681, 1757899X, September – 2017.
13. Paper on “A Novel Study of Mechanical Bending Mechanism for Wire Bending Machine”,
14. Paper on “Design & Manufacturing of 5 Cylinder Hydraulic Fixture for Machining Case on VMC EZ5”, International Journal of Creative Research Thoughts (IJCRT), ISSN: 2320 – 2882, Vol. 6, Issue 2, April – 2018.
15. Paper on “Industry 4.0 Technology: Design and Manufacturing of Modular Fixture”, Recent Advances in Mechanical Infrastructure Proceedings of ICRAM 2020 by Springer, ISBN 978-981-33-4175-3, ISBN 978-981-33-4176-0 (eBook), ISSN 2523-3440 ISSN 2523-3459 (electronic), https://doi.org/10.1007/978-981-33-4176-0 , March- 2021.
16. Paper on “Computer Vision Guide Human-Robot collaboration for Industry 4.0: A Review”, Recent Advances in Mechanical Infrastructure, Part of the Lecture Notes in Intelligent Transportation and Infrastructure Book Series, Springer, Pg. 147-155, 10/1007/978-981-16-7660-4_13, January - 2022
17. Paper on “Design, Modelling and Manufacturing of 8 and 16 Cylinder Hydraulic Fixture with Automated Clamping System”, Journal of Emerging Technologies and Innovative Research (JETIR), ISSN No. 2349-5162, Vol. 9, Issue 1, Page No. 515-518, January – 2022.
18. Paper on “Seismic Design of Caustic Recovery Tank”, International Journal of Creative Research Thoughts, ISSN No. 2320 – 2882, Vol. 10, Issue 7, Page No. 80-87, July – 2022.
19. Paper on “A Computer Aided Manufacturing Approach to Developed A Micro-Mechanism”, International Journal of Engineering Research & Technology (IJERT), ISSN No. 2278-0181, Vol. 11, Issue 7, Page No. 231-236, July – 2022.
20. Paper on “A Generative Design Method to Optimize Weight & Performance to build a sustainable product”, Journal of emerging technologies and innovative research, ISSN No. 2349-5162, Vol. 9, Issue 7, Page No. 302-306,

July 2022.
21. Paper on “Experimental Investigation On Nanoparticles Suspended Liquid (NSL) As The Heat Transfer Fluid (HTF) For Solar Evacuated Tube Collector”
List of Conference Papers
1. Paper on “Ethics Based Management System”, National conference on “Contemporary Issues in Management” organized by Saurashtra University, Gujarat, India in March-2002
2. Paper on “Solar Car”, National conference on “Trends in Mechanical Engineering” – TIME – 2003”, organized by Kakatiya Institute of Technology & Science, Warangal, India on 30/08/2003.
3. Paper on “Balancing of Inverse Pendulum”, National conference on “Recent Advances in Mechanical Engineering” – RAME – 2004’, organized by K. K. Wagh College of Engineering, Nahik, Maharashtra, India in January-2004
4. Paper on “Design of fixture for face milling of support plate on CNC”, National conference on “Advancements & Futuristic Trends in Mechanical Engineering (AFTME '08) (ISTE approved)”, organized by Atmiy Institute of science & Technology, Rajkot, Gujarat, India in November – 2008.
5. Paper on “Experimental method of Hydrogen testing to prevent hydrogen assisted cracking (HAC) during submerged arc welding (SAW) process”, National conference on “Advancements & Futuristic Trends in Mechanical Engineering (AFTME '08) (ISTE approved)”, organized by Atmiy Institute of science & Technology, Rajkot, Gujarat, India in November – 2008.
6. Paper on “Design & manufacturing of 20 cylinders, automated clamping hydraulic fixture for machining connecting rod on VMC”, International Conference & Exhibition on “Total Engineering, Analysis & Manufacturing Technologies (TEAMTECH 2008)” in September – 2008.
7. Paper on “Design & manufacturing of 10 operations boring fixture for machining connecting rod on VMC (APC)”, International Conference & Exhibition on “Total Engineering, Analysis & Manufacturing Technologies (TEAMTECH 2008)” in September – 2008.
8. Paper on “Design & manufacturing with modeling, dynamic balancing & finite element analysis of rotary fixture for CNC turning centre to function as HMC”, international conference, “ASME Early Career Technical conference – 2009” in October – 2009.
9. Paper on “Design & manufacturing with modeling of multi component – single hydraulic fixture with 10 cylinders & expandable uniforce clamp for machining Earthing Terminal Block on CNC-VMC 430”, International conference, “ASME Early Career Technical conference – 2009” in October – 2009.
10. Paper on “Design & development of 8-cylinder hydraulic fixture for VMC”, International Conference on Innovative Technologies in Engineering and Sciences (ICITES), ISBN 978-81-906377-5-6, Page number 500-504 in April – 2011.
11. Paper on “Applying Ergonomics to workstations of manufacturing industries: A review and practices”, International Conference on Innovative Technologies in Engineering and Sciences (ICITES), ISBN 978-81-906377-5-6, Page number 520-524 in April – 2011.
12. Paper on “Finite Element Analysis of shaft for fixture of CNC Lathe Turret Shaft”, International Conference on Innovative Technologies in Engineering and Sciences (ITES) , ISSN 0973 - 578X in December 2012.
13. Paper on “Design and Development of Rotary Fixture for CNC with Tribology Considerations of Mechanics Analysis and Dynamic Balancing as Pre-Mortem Tool”, International Conference on Advances in Tribology and Engineering Systems (ICATES), DOI: 10.1007/978-81-322-1656-8_24, Print ISBN 978-81-322-1655-1, Online ISBN 978-81-322-1656-8 ISSN 2195-4356 ISSN 2195-

4364 (electronic) in October – 2013.
14. Paper on “Design & Development of Rotary Fixture For CNC With Computer Aided Mass Balancing Method as Pre-Mortem Tool”, International Conference on Innovations in Automation and Mechatronics Engineering (ICIAME - 2014), March – 2014.
15. Paper on “Prediction of Shrinkage Porosity Defect in Sand Casting Process of LM 25”, International Conference of Advanced Material Technologies (ICAMT-2016), December – 2016.
16. Paper on “Design & Development of Rotary Fixture for CNC With Mechanics Analysis and Mass Balancing using Pro/Mechanism and MATLAB as Pre-Mortem Tool”, International Conference on Current Research Topic in Power, Nuclear, Fuel and Energy (CRTPNFE), October – 2016.
17. Paper on “Design, Development & Mass Balancing of Rotary Fixture Using Pro/Mechanism and MATLAB”, 9th International Conference on Engineering & Business Education (ICEBE) and 6th International Conference on Innovation and Entrepreneurship (ICIE) on Fostering Global Knowledge Economy through Innovative and Creative Engineering & Management Studies, ISBN 978-3-942100-43-4, February – 2016.
18. Paper on “Design and Manufacturing of 8 Cylinder Hydraulic Fixture for Machining Rear-Flange on VMC 640”, 10th International Conference on Precision, Meso, Micro and Nano Engineering (COPEN10) organized by Department of Mechanical Engineering, Indian Institute of Technology (IIT-C), Chennai – 600036, ISBN: 978-93-80689-28-9, December – 2017.
19. Paper on “Hydraulic Fixture – Modern Day Technology to Improve Productivity – A Review”, 4th International Conference on Industrial Engineering (ICIE-2017) organized by Sardar Vallabhbhai National Institute of Technology(SVNIT), Surat in association with Indian Institution of Industrial Engineering, NHQ, Navi Mumbai, ISBN: 978-93-86238-39-9, December – 2017.
20. Paper on “Electro-magnetic crimping: Eco-friendly Green Pulse Technology Forming”, 4th International Conference on Industrial Engineering (ICIE-2017) organized by Sardar Vallabhbhai National Institute of Technology(SVNIT), Surat in association with Indian Institution of Industrial Engineering, NHQ, Navi Mumbai, ISBN: 978-93-86238-39-9, December – 2017.
21. Paper on “Design, Modelling and Manufacturing of 16 Cylinder Hydraulic Fixture with Automated Clamping System”, 2nd International Conference on New frontiers in engineering science & Technology, February – 2019.
22. Paper on “Industry 4.0 technology: Design and Manufacturing of Modular Fixture”, ICRAM-2019, International Conference on Recent Advances in Mechanical Infrastructure, August – 2020.
23. Paper on “Computer vision guided Human-Robot collaboration for Industry 4.0: A Review”, 3rd International Conference on RECENT ADVANCES IN MECHANICAL INFRASTRUCTURE (ICRAM - 2021) organized by Department of Mechanical and Aero-Space Engineering at Institute of Infrastructure, Technology, Research And Management, Ahmedabad during 6-8 August, 2021.
24. Paper on “Design and development of hydraulic fixture for multiple mechanical operations with hydraulic clamping system”, International Conference on Contemporary Innovations in Mechanical Engineering (CIME 2022), 22-23 April, 2022.
25. Paper on “A Generative Design Approach to Optimize Weight & Performance to build a sustainable product : A Review”, International Conference on Emerging Trends & Contemporary Practices 2022, organized by Atmiya Univeristy in association with Univeristy of Miyazaki (Japan), Keck Graduate University (USA), Lincoln University College (Malasiya), Hemchandracharya North Gujarat University (India), 19-20 May, 2022


No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	Nil
Details of Books	
Nil	

Project Carried out - NIL

Patents	Filled	NIL	Granted	NIL
----------------	---------------	-----	----------------	-----

V.V.P. ENGINEERING COLLEGE, RAJKOT

Mechanical Engineering department

Name of the Teaching Staff	Dr. Rupeshkumar V. Ramani	
Designation	Assistant professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	20-10-2000	

Date of Birth	11-01-1975
----------------------	------------

AICTE Unique id	1-448085713
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	--
	UG BE	Mechanical
	PG M.Tech	Thermal
	Ph.D.	Mechanical

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
22	--	--	3.5	--

Area of Specialization	Thermal, fluid science & Automobile engineering
-------------------------------	---

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	Basic Mechanical engineering, Engineering thermodynamics, Fluid Mechanics & Hydraulic Machines, Automobile engineering, Power plant engineering.
Post Graduate Level	---

Post Graduate Diploma Level	--
-----------------------------	----

Research guidance (Number of Student)				
Master	Completed	--	On-going	--
Ph.D.	Completed	--	On-going	--

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	3	15	--	4

Research Publication
List of Journal Papers
1. Solar Refrigeration Technologies: A Key review on Current Status and Recent Developments
2. Optical Characterization And Surface Morphology Of Copper Nanoparticles On Borosilicate Glass
3. Study on Dielectric Properties of Nanostructured Composite of ZnO-La _{0.45} Pr _{0.25} Sr _{0.3} MnO ₃ Bulk Ceramic
4. Exergy Analysis of 73 MW Co-Generation Thermal Power Plant
5. Synthesis and optical characterization of CuO nanoparticles on solar borosilicate glass
6. Nanotechnology: new hope of efficiency enhancement for solar evacuated tube collector
7. METHODS FOR REDUCING BULGING IN A COKE DRUM
8. Nanofluid – Technology of Tomorrow for Non-Conventional Energy Resources
9. Synthesis and Properties of TiO ₂ :CuO:Cr ₂ O ₃ Composite Nanofluid for Solar Evacuated Water Heaters
10. Cr-ZnO nanostructured thin film coating on borosilicate glass by cost effective sol-gel dipcoating method
11. PERFORMANCE AND EXPERIMENTAL INVESTIGATION OF AIR-COOLED CONDENSER IN THERMAL POWER PLANT
12. COMPARATIVE ANALYSIS OF FORGED STEEL AND CAST-IRON CRANKSHAFTS
13. Experimental Investigation On Nanoparticles Suspended Liquid (NSL) As The Heat Transfer Fluid (HTF) For Solar Evacuated Tube Collector
14. Effect of Nanocoating (CuO Nanoparticles) on the Performance of Solar Evacuated Tube
15. Analysis of Mechanical behaviour of bulging reduction in coke drum used in petro refineries

List of Conference Papers	
1. CENICOM Power Generation - An Emerging Trend in Non Conventional Energy Field	
2. Heat Balance in Thermal Power Plant – A Case Study	
3. Methodology for Testing of Industrial Boiler	
4. Performance Characteristics of an Air-Cooled Condenser Under Ambient Conditions	
5. Comparative Analysis Of Ductile Cast Iron And Forged Steel Crankshafts	
6. Preparation and Properties of TiO ₂ :CuO:Cr ₂ O ₃ Nanofluid for Solar Evacuated Water Heater Systems	
7. Synthesis of CuO: TiO ₂ :Cr ₂ O ₃ composite based Nanofluid: Properties and Solar Energy Appliances	

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	Nil
Details of Books	
	Nil

Project Carried out
Nil

Patents	Filled	1	File	--
Nanocomposite coated borosilicate solar evacuated tube				

Mechanical Engineering department

Name of the Teaching Staff	Anjana D.Saparia
Designation	Assistant professor
Appointment Type (Regular/Adhoc)	Regular
Joining Date at Institute	07-07-2006



Date of Birth	23-11-1978
----------------------	------------

AICTE Unique id	1-448085729
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	--
	UG	Mechanical
	BE	
	PG	Machine Design
	M.Tech	
	Ph.D.	--

Research Publication

List of Journal Papers

1. Solar Refrigeration Technologies: A Key review on Current Status and Recent Developments
2. OPTICAL CHARACTERIZATION AND SURFACE MORPHOLOGY OF COPPER NANOPARTICLES ON BOROSILICATE GLASS
3. Study on Dielectric Properties of Nanostructured Composite of ZnO-La_{0.45}Pr_{0.25}Sr_{0.3}MnO₃ Bulk Ceramic
4. Synthesis and optical characterization of CuO nanoparticles on solar borosilicate glass
5. Nanotechnology: new hope of efficiency enhancement for solar evacuated tube collector
6. Synthesis and Properties of TiO₂:CuO:Cr₂O₃ Composite Nanofluid for Solar Evacuated Water Heaters
7. Cr-ZnO nanostructured thin film coating on borosilicate glass by cost effective sol-gel dipcoating method
8. PERFORMANCE AND EXPERIMENTAL INVESTIGATION OF AIR-COOLED CONDENSER IN THERMAL POWER PLANT

9. COMPARATIVE ANALYSIS OF FORGED STEEL AND CAST-IRON CRANKSHAFTS
10. Analysis of Mechanical behaviour of bulging reduction in coke drum used in petro refineries
11. Effect of Nanocoating (CuO Nanoparticles) on the Performance of Solar Evacuated Tube.
12. Experimental Investigation On Nanoparticles Suspended Liquid (NSL) As The Heat Transfer Fluid (HTF) For Solar Evacuated Tube Collector

List of Conference Papers

1. CENICOM Power Generation - An Emerging Trend in Non Conventional Energy Field
2. Optimization of a forged steel crankshaft
3. Performance Characteristics of an Air-Cooled Condenser Under Ambient Conditions
4. COMPARATIVE ANALYSIS OF DUCTILE CAST IRON AND FORGED STEEL CRANKSHAFTS
5. Preparation and Properties of TiO₂:CuO:Cr₂O₃ Nanofluid for Solar Evacuated Water Heater Systems

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published

Nil

Details of Books

Nil

Work Experience (in year)

Teaching Degree	Teaching Diploma	Research	Industry	Other
18	--	--	--	--

Area of Specialization

Machine Design

Course taught at

Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	Engineering Graphics & Design, Dynamics of Machinery, Design of Machine Elements, Machine Design,
Post Graduate Level	---
Post Graduate Diploma Level	--

Research guidance (Number of Student)				
Master	Completed	--	On-going	--
Ph.D.	Completed	--	On-going	--


No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	2	12	--	4

Project Carried out
Nil

Patents	Filled	--	File	--
Nil				

V.V.P. ENGINEERING COLLEGE, RAJKOT

Mechanical Engineering Department

Name of the Teaching Staff	Joshi Jaykumar Pankajkumar	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	01-Apr-2010	

Date of Birth	19-Sep-1983
AICTE Unique id	1-448085741

Education Qualifications (Mention all)	Degree	Branch
	Diploma	-
	UG BE/B.Tech	B.E.(Mechanical Engineering)
	PG ME/M.Tech	M.Tech.(Machine Design)
	Ph.D.	--

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
13 years	-	-	1.5	

Area of Specialization	Machine Design (Mechanical Engineering)
-------------------------------	---

Course taught at	
Level	Subject
Diploma Level	-
Post Diploma Level	-
Under Graduate Level	Kinematics and Theory of Machines, Fundamental of Machine Design, Control Engineering
Post Graduate Level	Finite Element Method, Computer Aided Production Management,

	Computer Aided Design
Post Graduate Diploma Level	-

Research guidance (Number of Student)				
Master	Completed	2	On-going	--
Ph.D.	Completed	--	On-going	--

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	--	5	1	--


Research Publication
List of Journal Papers
1) DESIGN AND FEA OF CONNECTING ROD FOR AL-SIC
2) APPLICATION OF THERMO - ELECTRIC TECHNOLOGY IN REFRIGERATION AND AIR CONDITIONING SYSTEM
3) FINITE ELEMENT ANALYSIS OF LATHE MACHINE TUMBLER GEAR MECHANISM
4) DESIGN AND ANALYSIS OF SPUR GEAR BY USING COMPOSITE MATERIAL
5) PROCESS ANALYSIS OF SIX SIGMA CONCEPT IN BEARING INDUSTRY
List of Conference Papers
1) DESIGN AND ANALYSIS OF MECHANICAL GRIPPER FOR COTTON BOLLS PICKING ROBOT

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	Nil
Details of Books	
	Nil

Project Carried out
NIL

Patents	Filled	NIL	Granted	NIL
NIL				

Mechanical Engineering Department

Name of the Teaching Staff	Dr.Dipesh Dhirajlal Kundaliya	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	20/02/1998	

Date of Birth	26/07/1978
----------------------	------------

AICTE Unique id	1-448085733
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	Mechanical
	UG BE/B.Tech	Mechanical
	PG ME/M.Tech	CAD/CAM
	Ph.D.	Mechanical

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
13	--	--	3	--

Area of Specialization	CAD/CAM and Renewable Energy Sources
-------------------------------	--------------------------------------

Course taught at	
Level	Subject
Diploma Level	Nil
Post Diploma Level	Nil
Under Graduate Level	Basics of Mechanical Engineering, Computer Aided Design, Computer Aided Manufacturing, Kinematics of Machine. Industry 4.0,

	Manufacturing Technology, Automation in Manufacturing, Industrial Internet of Things, Entrepreneurship and e-business, Engineering Drawing
Post Graduate Level	Computer Aided Manufacturing, Rapid Prototyping
Post Graduate Diploma Level	Nil

Research guidance (Number of Student)

Master	Completed	8	On-going	--
Ph.D.	Completed	Nil	On-going	--

No. of papers published

	National Journal	International Journal	National Conference	International Conference
	-	10	-	2

Research Publication

List of Journal Papers

Design and analysis of Bullet by using CFD and explicit Dynamics, ELK Asia Pacific Journal

Design analysis and weight optimization of heavy duty CNC lathe machine MGX 200 bed using FEA Approach, JETIR

Design modification for improvement of heat exchanger efficiency, IJAREST

A Review: Identify Reasons of Timing Belt Failure Analysis with Corrective & Preventive Measures. IJEDR

Frame Work for Checking Wood Pellets Quality and Production System, IJEDR

A Novel Concept for Refrigeration using Solar Parabolic Concentrator, IJEDR

Design and analysis of solar panel support structure, INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY

A Review: Design and Failure Analysis of 4- Stroke Single Cylinder Diesel Engine Crankshaft, IJERT

USE OF FLEX SHEET MIRRO AS A PART OF ALTERNATE TECHNIQUE FOR PARABOLIC SOLAR CONCENTRATOR, IJFTET

Use of Flex Sheet Mirror as Part of an Alternative Technique of Fabricating Solar Paraboloidal Domestic Dish Cooker, IJFTET

List of Conference Papers

Optimizing Energy Conservation through Energy Auditing, ICISSET

Solar Photovoltaic collector used for Solar Pumping System, ICITE

Energy Conservation Opportunity in Dairy plant with a practice of energy audit, JETIR

A Review: Establishment the co-relation of important mechanical properties measured by experimental and image processing, JETIR

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published Nil

Details of Books

Nil

Project Carried out

Nil

Patents

Filled

--

Granted

--

Nil

Mechanical Engineering Department

Name of the Teaching Staff

Hardik A. Khuntia

Designation

Assistant Professor

Appointment Type (Regular/Adhoc)

Regular

Joining Date at Institute

30-06-2014



Date of Birth

16-05-1990

AICTE Unique id

1-2298921659

Education Qualifications (Mention all)

Degree

Branch

Diploma

-

UG
BE/B.Tech

BE – Production

PG
ME/M.Tech

M.Tech – CAD/CAM

Ph.D.

-

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
9	0.9	NIL	NIL	NIL

Area of Specialization	Design and Manufacturing
-------------------------------	--------------------------

Course taught at	
Level	Subject
Diploma Level	Manufacturing Process – I & II, Machine Tool Technology, Computer Aided Design
Post Diploma Level	Nil
Under Graduate Level	Dynamics of Machinery, Theory of Machine, Kinematics of Machine, Computer Aided Design, Operation Research, Manufacturing Process II, Automobile Engineering, Fundamentals of Machine Design
Post Graduate Level	Nil
Post Graduate Diploma Level	Nil

Research guidance (Number of Student)				
Master	Completed	01	On-going	Nil
Ph.D.	Completed	Nil	On-going	Nil

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	01	08	0	01

Research Publication
List of Journal Papers
1. “Evaluation Of Food Cooking By Heat Generation By Wide Angle Solar Concentrator”, STM journal, Vol.4, Issue 3, Feb 2018, ISSN: 2349-8994.
2. “Design Of A Screw Press For Dewatering Of Cattle Dung Slurry”, International Journal of Science & Engineering Development Research, Vol. 2, Issue 6, June 2017, ISSN: 2455-2631.
3. “Novel Type Solar Heating System”, International Journal of Engineering Development and Research, Vo;. 4, Issue 4, December 2016, ISSN: 2321-9939.
4. “Preguided Mig Welding Of Differential Metal Ring”, International Journal of Advance Research in Engineering Science and Technology, Vol. 3, Issue 1, January 2016, ISSN: 2394-2444.

5. "Geometric Specification Of Bevel Wrapping Of Double Walled Tubes, Prediction Of Failure From Material Properties", International Journal of Research in Engineering and Technology, Vol. 4, Issue 7, July 2015, ISSN: 2319-1163.
6. "Performance analysis of Bio-diesel in C.I. Engine", Journal of Emerging Technologies and Innovative Research, Vol. 9, Issue 3, March 2022, ISSN: 2349-5162.
7. "Improving the productivity of channel manufacturing medium size spherical roller bearing", Recent trend in production engineering, HBRP Publication, Vol. 5, Issue 1, March 2022.
8. "Identification of improvement areas for channel manufacturing medium size spherical roller bearing", Recent trend in production engineering, HBRP Publication, Vol. 5, Issue 1, March 2022.
9. "Process analysis of six sigma concept in bearing industry", International journal of creative research and thoughts, Vol. 11, Issue 3, March 2023, ISSN-2320-2882.

List of Conference Papers

- | |
|--|
| 1. "Design, analytical analysis and manufacturing of 5 cylinder hydraulic fixture with rotary table for manufacturing case on VMC EZ5", International conference on Recent advances in mechanical infrastructure organized by Institute of Infrastructure, Technology, Research and Management, Ahmedabad during 20-21 April 2019. |
|--|

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published

Nil

Details of Books

Nil

Project Carried out

Nil

Patents


Filled

Nil

Granted

Nil

Mechanical Engineering Department

Name of the Teaching Staff	Pooja Ghodasara	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	11/6/2015	

Date of Birth	22/09/1979
----------------------	------------

AICTE Unique id	1-448085737
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	Mechanical
	PG ME/M.Tech	Energy system
	Ph.D.	Pursuing

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
8	--	--	3	--

Area of Specialization	Energy system, Thermal
-------------------------------	------------------------

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	1.Heat transfer 2.Refrigeration & Air conditioning 3.Renewable energy engineering 4.Oil hydraulic & Pneumatic 5.Applied thermodynamics

	6.Internal combustion engine 7.Fluid power engineering 8.Basics of mechanical engineering
Post Graduate Level	--
Post Graduate Diploma Level	--

Research guidance (Number of Student)

Master	Completed	--	On-going	--
Ph.D.	Completed	--	On-going	--

No. of papers published

	National Journal	International Journal	National Conference	International Conference
	0	7	0	5

Research Publication

List of Journal Papers

1. Experimental Studies on emission and performance characteristics in Diesel engine using Bio-diesel blends and EGR (Exhaust Gas Recirculation) in INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGY AND ADVANCED EMERGING- ISSN 2250-2459 – FEB 2012
2. Techno-economic analysis of prototype built by traditional manufacturing and rapid prototyping technology published in Global journal of engineering ,science and social science studies ISSN -2394-3084 in the month of april 2016
3. Research paper on energy analysis of thermal power plant published in International journal of engineering, development and research, ISSN-2321-9939 in the month of aug-2016
4. Effect of temperature on PV module and experimental study of cooling by air blower published in International journal of modern engineering and management research. Organised by IEI .ISSN:2320-9984 in Aug 2017
5. Recent Developments in Nano Technology Applications in Direct Absorbing solar Collectors: A Review published in journal of thermal engineering and applications ISSN: 2349-8994, Volume 8, Issue 2, 2021
6. A Taguchi Approach for Determination of Parametric Dependence in Absorber Tube of Parabolic Trough Solar Collector with Roughened Surfaces published in journal of thermal engineering and applications, ISSN: 2349-8994, Volume 9, Issue 2, 2022
7. Exploring The Effect Of Material Variation, Tooth Count, On Spur Gears Strength And Weight,published in international journal of creative research thoughts, ISSN: 2320-2882, Volume 11, Issue 2 February 2023


List of Conference Papers	
1. Optimizing energy consumption through energy auditing- case study of office building in INTERNATIONAL CONFERENCE ON INNOVATIVE SCIENCE AND ENGINEERING TECHNOLOGY-ISBN: 978-81-906377-9-4 in 2011	
2. Applying ergonomics to workstation of manufacturing industries: A review and practice in INTERNATIONAL CONFERENCE ON INNOVATIVE SCIENCE AND ENGINEERING TECHNOLOGY-ISBN: 978-81-906377-5-6 in 2011	
3. Location optimization of cooling duct through CFD analysis of air flow and temperature distribution in buildings for human comfort presented in International conference on environment and renewable energy in ASAR Bhopal on 19th June 2016	
4. A hybrid FUZZY AHP-Electre approach to rank lean six sigma solutions-: Case experience of manufacturing organisation, presented in INTERNAIONAL CONFERENCE IN INDUSTRIAL ENGINEERING at SVNIT-2017.ISBN-978-93-86238-39-9.Page no-1159.	
5. "Industry 4.0 technology: Design and manufacture of modular fixture" presented in international conference on recent advances in mechanical infrastructure (ICRAM-2020)	

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	Nil
Details of Books	
	Nil

Project Carried out
Nil

Patents	Filled		Granted	yes
Cooling system for helmet and similar headgear-337094				

Mechanical Engineering Department

Name of the Teaching Staff	Sanket Arunkumar Pandya	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	01/07/2014	

Date of Birth	22/12/1990
----------------------	------------

AICTE Unique id	1-2298921653
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	N/A
	UG BE/B.Tech	Production Engineering
	PG ME/M.Tech	Mechanical Engineering (CAD/CAM)
	Ph.D.	Pursuing

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
09		-	-	-

Area of Specialization	CAD/CAM
-------------------------------	---------

Course taught at	
Level	Subject
Diploma Level	---
Post Diploma Level	---
Under Graduate Level	Engineering Graphics & Design, Manufacturing Process, Computer Aided Design, Computer Aided Manufacturing, Rapid Prototyping, Theory of Machine, Mechanical Measurement & Metrology, Basics of Industrial Engineering, Operations Research, Kinematics & Theory of Machine
Post Graduate Level	Computer Aided Design, Computer Integrated Manufacturing

Post Graduate Diploma Level	---
-----------------------------	-----

Research guidance (Number of Student)				
Master	Completed	---	On-going	---
Ph.D.	Completed	---	On-going	---
No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	0	9	0	0

Research Publication
List of Journal Papers
"Role of Process Parameters in Synthesis of Automated Shot Peening Mechanism", International Journal of Research in Engineering & Advanced Technology, Volume 2, Issue 2, Apr-May, 2014, ISSN: 2320 – 8791.
"Topology Optimization Of Fixture Used For Quill Mounting", International Journal of Research in Engineering & Advanced Technology, Volume 3, Issue 1, Feb-Mar, 2015, ISSN: 2320 – 8791.
"Thermal network model of electrical motor by lumped heat method", International Journal of Engineering Development and Research, Volume 4, Issue 2, ISSN: 2321-9939.
"A Review of Modern Optimization Techniques", Journal of Emerging Technologies and Innovative Research (JETIR), July 2017, Volume 4, Issue 07, ISSN-2349-5162
"Enhancement in heat transfer rate of plate fin heat exchanger using triangular winglets", Journal of Thermal Engineering and Applications, ISSN: 2349-8994 (Online), Volume 5, Issue 1
"Enhancement in the COP of Thermoelectric Cooler Used for Cooling of Small Electronic Circuits", Journal of Refrigeration, Air Conditioning, Heating and Ventilation, ISSN: 2394-1952, Volume 6, Issue 3
"Optimization of double pipe heat exchanger using Genetic Algorithm", International Journal of Thermal Energy and Applications, Volume 7, Issue 1
"Recent Developments in Nano Technology Applications in Direct Absorbing solar Collectors: A Review", International Journal of Thermal Energy and Applications, ISSN: 2349-8994, Volume 8, Issue 2, 2021
"A Taguchi Approach for Determination of Parametric Dependence in Absorber Tube of Parabolic Trough Solar Collector with Roughened Surfaces", Journal of Thermal Engineering and Applications, ISSN: 2349-8994, Volume 9, Issue 2, 2022
List of Conference Papers
Nil


No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)
--

No of Book Published	---
Details of Books	
Nil	

Project Carried out

Patents	Filled	---	Granted	---
----------------	---------------	-----	----------------	-----

Mechanical Engineering Department

Name of the Teaching Staff	Meghpara Nirav Kantilal	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	17/06/2015	

Date of Birth	24/04/1989
----------------------	------------

AICTE Unique id	1-2656784123
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	NA
	UG	Mechanical Engineering
	BE/B.Tech	
	PG	Machine Design (Mechanical Engineering)
	ME/M.Tech	
	Ph.D.	NA

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
10	0	0	0	0

Area of Specialization	Machine Design
-------------------------------	----------------

Course taught at

Level	Subject
Diploma Level	NA
Post Diploma Level	NA
Under Graduate Level	1. Design of Machine Elements 2. Heat Transfer 3. Computer Aided Design 4. Industry 4.0 5. Engineering Graphics and Design 6. Machine Design 7. Fundamental of Machine Design 8. Mechanical Measurement and Metrology 9. Engineering Graphics 10. Fluid Power Engineering 11. Manufacturing Process 2 12. Entrepreneurship 13. Machine Design 2 14. Engineering Thermodynamics
Post Graduate Level	NA
Post Graduate Diploma Level	NA

Research guidance (Number of Student)				
Master	Completed	1	On-going	0
Ph.D.	Completed	0	On-going	0

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	8	0	1	0

Research Publication
List of Journal Papers
1. Exploring The Effect Of Material Variation, Tooth Count, On Spur Gears Strength And Weight 2. Recent developments in Nano technology applications in direct absorbing solar collectors A Review 3. Optimization of Double Pipe Heat Exchanger Using Genetic Algorithm 4. Enhancement in the COP of Thermoelectric Cooler Used for Cooling of Small Electronic Circuits 5. Investigation of Performance Characteristics of Shell and Tube Heat Exchanger Using Helical Baffles with Parallel Flow and Counter Flow Arrangements 6. Enhancement in Heat Transfer Rate of Plate Fin Heat Exchanger using Triangular Winglets 7. Solvent Extraction of oil and its economy 8. Thermal network model of electrical motor by lumped heat method

List of Conference Papers	
1. Linear Stability Analysis of Circular Bearing: Couple Stress Fluid	


No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	0
Details of Books	
Nil	

Project Carried out
Nil

Patents	Filled	Nil	Granted	Nil
Nil				

V.V.P. ENGINEERING COLLEGE, RAJKOT

Mechanical Engineering Department

Name of the Teaching Staff	Dr. Makadia Jiten Jayantilal	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	1/1/2016	

Date of Birth	9/10/1981
----------------------	-----------

AICTE Unique id	1-2907659927
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	NA
	UG BE/B.Tech	B.E. (Mechanical Engineering)
	PG ME/M.Tech	M.E. (Thermal Science)
	Ph.D.	Mechanical Engineering (design of shell and tube heat exchanger)

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
14	NA	NA	6	NA

Area of Specialization	Thermal science, Heat exchanger
-------------------------------	---------------------------------

Course taught at	
Level	Subject
Diploma Level	NA
Post Diploma Level	NA
Under Graduate Level	Basics of Mechanical Engineering, Engineering Thermodynamics, Heat transfer, Refrigeration and Air conditioning, Renewable energy engineering, Applied thermodynamics
Post Graduate Level	Design of heat exchanger equipment

Post Graduate Diploma Level	NA
-----------------------------	----

Research guidance (Number of Student)

Master	Completed	4	On-going	NIL
Ph.D.	Completed	NIL	On-going	NIL

No. of papers published

	National Journal	International Journal	National Conference	International Conference
	14	1	2	1

Research Publication

List of Journal Papers
1. Optimization of Shell and Tube Heat Exchanger Using Alpha Tuning Elephant Herding Optimization (EHO) Technique (JERA-2021)
2. A Review on Test Facility for Measuring Pressure Drop in Hydroformed Cryopanel.
3. Analysis of Effectiveness and Pressure Drop in Micro Cross-flow Heat Exchanger (IJERT 2013)
4. Analysis of Effectiveness and Pressure Drop in Micro Cross-flow Heat Exchanger With steady state thermal Analysis (IJAR 2013)
5. Enhancement in Heat Transfer Rate of Plate Fin Heat Exchanger using Triangular Winglets (Journal of Thermal Engineering and Applications 2018)
6. Enhancement in the COP of Thermoelectric Cooler Used for Cooling of Small Electronic Circuits (Journal of Refrigeration, Air Conditioning, Heating and Ventilation 2019)
7. Heat Transfer Enhancement Using Nano Fluid -A Review (IJERT 2014)
8. Investigation of Performance Characteristics of Shell and Tube Heat Exchanger Using Helical Baffles with Parallel Flow and Counter Flow Arrangements (Journal of Thermal Engineering and Applications 2019)
9. Mathematical Modelling and Comprehensive Review on the Application of Evolutionary Strategies in Design Optimization of Shell and Tube Heat Exchangers (Trends in Mechanical Engineering & Technology 2017)
10. Numerical Simulation of Flow Over Airfoil and Different Techniques to Reduce Flow Separation Along with Basic CFD Model: A Review Study (IJERT 2014)
11. Numerical Simulation of Laminar Flow over Slotted Airfoil (IOSR-JMCE 2014)
12. Pinch Analysis of Process Plants Increase in Efficiency: A Review (IJSR 2013)
13. Pinch Analysis for Power Plant: A Novel Approach for Increase in Efficiency (IJERT 2014)
14. Theoretical Aspect of Thermodynamic analysis of Cascade


RefrigerationSystem: A Review (IJSR 2013)
15.To Study the Effect of Change in Pressure and Temperature on Performance of Reverse Osmosis Process (Journal of Mechatronics and Automation 2019)
List of Conference Papers
1. Application of symbiotic organisms search technique for design optimization of shell and tube heat exchanger from economic point of view (2020 International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE)
2. Exergy Analysis of steam power plant. (ICIKR-ETS-2012)
3. Process integration through pinch analysis. (ICIKR-ETS-2012)

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.): NIL	
No of Book Published	Nil
Details of Books: NIL	
Nil	

Project Carried out
Nil

Patents	Filled	0	Granted	0
Nil				

Mechanical Engineering Department

Name of the Teaching Staff	Vijay Vinodray Mehta	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	Ad Hoc Asst. Prof. : 27-01-2014 Reg. Asst. Prof. : 01-01-2016	

Date of Birth	24-08-1989
----------------------	------------

AICTE Unique id	1-218750262
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	--
	UG BE	Mechanical Engineering
	PG M.Tech	Nuclear Engineering
	Ph.D.	--

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
9.5	-	-	-	-

Area of Specialization	Nuclear Engineering
-------------------------------	---------------------

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	1. Engineering Graphics & Design, 2. Engineering Graphics, 3. Manufacturing Process-1, 4. Manufacturing Process – 2, 5. Alternate Energy Sources, 6. Production Technology,

	7. Power Plant Engineering, 8. Statical Quality Control, 9. Oil Hydraulics & Pneumatics, 10. Computer Integrated Manufacturing, 11. Computer Aided Design, 12. Computer Aided Manufacturing, 13. Industry 4.0, 14. Renewable Energy Engineering, 15. Manufacturing Processes, 16. Manufacturing Technology, 17. Design Engineering – 1A, 18. Design Engineering – 1B, 19. Design Engineering – 2A, 20. Design Engineering – 2B, 21. Project-1 22. Project-2.
Post Graduate Level	1. Advanced Materials Processing Techniques, 2. Computer Aided Manufacturing
Post Graduate Diploma Level	--

Research guidance (Number of Student)

Master	Completed	-	On-going	-
Ph.D.	Completed	-	On-going	-
No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	0	7	0	3

Research Publication

List of Journal Papers

1. A Taguchi Approach for Determination of Parametric Dependence in Absorber Tube of parabolic Trough Solar Collector with Roughened Surfaces, Pooja Ghodasara, Jiten Makadia, Sanket Pandya, Vijay Mehta, Journal of Thermal Engineering and Applications. 2022; 9(2): 40–47p. DOI (Journal): 10.37591/JoTEA, ISSN: 2349-8994
2. Identification of Improvement Areas for channel manufacturing Medium Size Spherical Roller Bearing, Jasmin P. Bhimani, Sahil Y. Yagnik, & Vijay V. Mehta, Hardik A. Khunt. (2022), Recent Trends in Production Engineering, 5(1), 1–8. <https://doi.org/10.5281/zenodo.6416654>
3. Improving the Productivity of Channel Manufacturing Medium Size Spherical Roller Bearing, Jasmin P. Bhimani, Sahil Y. Yagnik, Vijay V. Mehta, Hardik A. Khunt. (2022), Recent Trends in Production Engineering, 5(1), 1–7. <https://doi.org/10.5281/zenodo.6424170>
4. 'A NOVEL STUDY OF MECHANICAL BENDING MECHANISM FOR WIRE BENDING MACHINE by Vedant Parmar, Nirav Maniar, Vijay Mehta , IJCRT Journal, ISSN No:2320-2882, vol. 6, issue 02, April 2018, pp.401-405.
5. A Review of Modern Optimization Techniques by Vijay V Mehta, Sanket A Pandya, Nirav K Meghapara, Journal of Emerging Technologies and Innovative

Research, ISSN No. - 2349-5162, Vol. 4, issue 07, July – 2017, pp. 135-137
6. Solvant extraction of oil and it's economy' by Vijay V Mehta, Sanket A Pandya, Nirav K Meghpara, Journal of Emerging Technologies and Innovative Research, ISSN No. - 2349-5162, Vol. 4, issue 02, March – 2017, pp. 73-76
7. Thermal network model of electrical motor by lumped heat method by Vijay V Mehta, Sanket A Pandya, Nirav K Meghpara, International Journal of Engineering Development and Research, ISSN No. - 2321-9939, Vol. 4, issue 02, April – 2016, pp. 430-433

List of Conference Papers


1. Mehta V.V., Parmar V.K., Maniar N.P., Bhimani J.P. (2020) Design, Manufacturing, and Testing of Feeding and Bending Mechanism. In Advances in Applied Mechanical Engineering. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-15-1201-8_56
2. "Structural health monitoring system using IOT and wireless technologies," by B. Chanv, S. Bakhru and V. Mehta, 2017 ICCT, Jaipur, India, IEEE, ISBN No: 978-1-5386-3030-3, pp. 151-157.
3. Thermal Analysis of Canned Motor: A Special Type of Squirrel Cage Induction Motor by Lumped Heat Analysis' by Vijay V. Mehta , Akshinthala Raviprasad and Pankaj Pandey at 55th INMM-2014 annual meeting at Atlanta, USA, ISSN No.-9781634396219, Vol. 1 of 4, July- 2014, pp. 912

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	Nil
Details of Books	
Nil	

Project Carried out -
Nil

Patents	Filled	-	Granted	-
Nil				

Mechanical Engineering Department

Name of the Teaching Staff	MR. BHIMANI JASMIN PARSOTAM	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	Adhoc Asst. Prof. : 29/09/2014 Regular Asst. Prof. : 23/08/2021	

Date of Birth	27/10/1990
----------------------	------------

AICTE Unique id	1-2376336519
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	-
	UG BE/B.Tech	Production Engineering
	PG ME/M.Tech	Computer Integrated Manufacturing
	Ph.D.	-

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
8 Year 9 Months	-	-	-	-

Area of Specialization	Operations Research, Computer Aided Design, Computer Aided Manufacturing
-------------------------------	--

Course taught at	
Level	Subject
Diploma Level	-
Post Diploma Level	-
Under Graduate Level	Operations Research, Computer Aided Design, Computer Aided Manufacturing, Industrial Engineering, Quality and Reliability Engineering, Project Management, Integrated Personality Development Course,
Post Graduate Level	Computer Integrated Manufacturing
Post Graduate Diploma Level	-


Research guidance (Number of Student)				
Master	Completed	-	On-going	-
Ph.D.	Completed	-	On-going	-
No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	-	7	-	2

Research Publication
List of Journal Papers
1. Topology Optimization of Fixture use for Quill mounting
2. Electromagnetic Crimping: Green Pulse Technology Forming
3. Design, Modelling and Manufacturing of Fixture for Machining Adaptor of Gas Equipment with an Approach to Improve Productivity
4. Design and Development of Jig for an Auto Part
5. Improving the Productivity of Channel Manufacturing Medium Size Spherical Roller Bearing
6. Identification of Improvement Areas for channel manufacturing Medium Size Spherical Roller Bearing
7. Exploring the effect of material variation, Tooth count, on Spur gears strength and Weight
List of Conference Papers
1. Electromagnetic Crimping Eco-friendly Green Pulse Technology Forming
2. Design, Manufacturing and Testing of Feeding & Bending Mechanism

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)
No of Book Published
Details of Books
-

Project Carried out		Nil		
Patents	Filled	-	Granted	-
Nil				

Mechanical Engineering Department

Name of the Teaching Staff	NIRAJ RAMESHBHAI SHINGALA	
Designation	ASSISTANT PROFESSOR	
Appointment Type (Regular/Adhoc)	AD-HOC	
Joining Date at Institute	13/08/2014	

Date of Birth	14/05/1987
----------------------	------------

AICTE Unique id	1-2376056094
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	--
	UG BE/B.Tech	MECHANICAL
	PG ME/M.Tech	AUTOMOBILE
	Ph.D.	PERSUING

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
8	2	4	2	--

Area of Specialization	AUTOMOBILE ENGINEERING
-------------------------------	------------------------

Course taught at	
Level	Subject
Diploma Level	MATERIAL SCIENCE & METALLURGY, MECHANICAL MEASUREMENT & METROLOGY, MANUFACTURING, PRODUCT DEVELOPMENT
Post Diploma Level	
Under Graduate Level	MATERIAL SCIENCE & METALLURGY, MECHANICAL MEASUREMENT & METROLOGY, MANUFACTURING, AUTOMOBILE ENGINEERING, I.C. ENGINE,

	MANUFACTURING PROCESS-1, MANUFACTURING PROCESS-2, MANUFACTURING TECHNOLOGY, PRODUCT DESIGN & VALUE ENGINEERING, PRODUCT DESIGN & ENTREPRENEURSHIP,
Post Graduate Level	RAPID PROTOTYPING, DFMA, ADVANCE MANUFACTURING TECHNIQUE
Post Graduate Diploma Level	--

Research guidance (Number of Student)

Master	Completed	Completed	On-going	-
Ph.D.	Completed	-	On-going	On-going

No. of papers published

	National Journal	International Journal	National Conference	International Conference
	3	8	--	--

Research Publication

List of Journal Papers

1. Contact Stress Analysis of Needle Roller Bearing Used in Synchromesh Gear Box IN Trends in Machine Design (STM Journals)
2. A Novel Analysis of Artificial Intelligence in Mechanical Engineering Application, Journal of Artificial Intelligence Research & Advances (STM Journals)
3. 3 Analysis of Earth Air Heat Exchanger (EAHE) For Storage System Journal of Refrigeration, Air Conditioning, Heating and Ventilation (STM Journals)
4. Study and Modification of Aerodynamic Behaviours of Car
5. Detail Analysis on Performance & Efficiency Enhancements in Gas Turbine
6. Design and Development of Keyway Milling Attachment for Lathe Machine
7. A Review Paper on Quad Rotor – An Unmanned Aerial
8. Design Analysis of Helical Spring of Suspension system
9. Performance Evaluation of Diesel Engine Using Vegetable Oils
10. Automation in Manual Threading Machine
11. An Experimental Investigating on Performance and Emissions Analysis of Diesel Engine With Using Butanol: A Review
12. Process Analysis of Six Sigma Concept In Bearing Industry
13. CFD Analysis of Earth Air Heat Exchanger (EAHE) for Storage System Using With Evaporative Cooling System

List of Conference Papers

1. CFD Analysis of Earth Air Heat Exchanger (EAHE) for Storage system, Department of Science and Humanities, St. Martin's Engineering College,

Secunderabad,(www.smec.ac.in) ISBN No 978-81-952677-9-8.

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published

Nil

Details of Books

Nil

Project Carried out

An Experimental Investigating on Performance and Emissions Analysis of Diesel Engine With Using Butanol

Patents

Filled


-

Granted

-

Nil

Mechanical Engineering Department

Name of the Teaching Staff	DELVADIYA PARTH VASANTBHAI	
Designation	ASSISTANT PROFESSOR	
Appointment Type (Regular/Adhoc)	AD-HOC	
Joining Date at Institute	03/02/2015	

Date of Birth	03/02/1991
----------------------	------------

AICTE Unique id	1-2656784202
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	MECHANICAL ENGINEERING
	UG	MECHANICAL ENGINEERING
	BE/B.Tech	
	PG	PRODUCTION ENGINEERING
	ME/M.Tech	
	Ph.D.	--

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
8	-	-	-	-

Area of Specialization	PRODUCTION
-------------------------------	------------

Course taught at	
Level	Subject
Diploma Level	-
Post Diploma Level	-
Under Graduate Level	CAM,PDE,EGD,MT,CE,IC,IPDC,RP,MMM,AM
Post Graduate Level	RPT,CAM,DFMA
Post Graduate Diploma Level	-

Research guidance (Number of Student)				
Master	Completed	-	On-going	-
Ph.D.	Completed	-	On-going	-

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	1	7	1	
Research Publication				


List of Journal Papers	
Experimental Investigate of Effects of Cutting tools on Surface Roughness and MRR of EN31 (Alloy Steel) Turning Operation on CNC Machine	
Performance Evaluation of Diesel Engine using Vegetable oils	
Automation of Gear Hobbing Machine	
Design and Development of Ball Burnishing Tool	
Detailed Analysis on Performance & Efficiency Enhancements in Gas Turbine	
Contact Stress Analysis of Needle Roller Bearing Used in Synchromesh Gear Box	
A Novel Analysis of Artificial Intelligence in Mechanical Engineering Application	
Process Analysis of Six Sigma Concept In Bearing Industry	
List of Conference Papers	
Experimental Investigate of Effects of Cutting tools on Surface Roughness and MRR of EN31 (Alloy Steel) Turning Operation on CNC Machine	

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	Nil
Details of Books	Nil

Project Carried out	-----
----------------------------	-------

Patents	Filled	----	Granted	---
----------------	---------------	------	----------------	-----

Mechanical Engineering Department

Name of the Teaching Staff	SAHIL YATINBHAI YAGNIK	
Designation	ASSISTANT PROFESSOR	
Appointment Type(Regular/Adhoc)	ADHOC	
Joining Date at Institute	01/09/2017	

Date of Birth	12/12/1991
----------------------	------------

AICTE Unique id	1-3677719639
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	--
	UG BE/B.Tech	MECHANICAL
	PG ME/M.Tech	CAD/CAM
	Ph.D.	--

Work Experience(in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
8	--	--	0.2	--

Area of Specialization	CAD/CAM
-------------------------------	---------

Course taught at	
Level	Subject
Diploma Level	NA
Post Diploma Level	NA
Under Graduate Level	Engineering Graphics & Design, Basics of Industrial Engineering, Manufacturing Processes, Fluid Power Engineering, Indian Constitution
Post Graduate Level	NA
Post Graduate Diploma Level	NA

Research guidance (Number of Student)				
Master	Completed	-	On-going	-
Ph.D.	Completed	-	On-going	-

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	3	1	1	1


Research Publication
List of Journal Papers
1) Comparative study & parametric analysis of conventional gearbox & bearingless gearbox for the machine tool, Journal of Manufacturing Engineering, Vol. 10 Issue 4, September 2015
2) Identification of Improvement Areas for channel manufacturing Medium Size Spherical Roller Bearing, Jasmin P. Bhimani, Sahil Y. Yagnik, & Vijay V. Mehta, Hardik A. Khunt. (2022), Recent Trends in Production Engineering, 5(1), 1–8. https://doi.org/10.5281/zenodo.6416654
3) Improving the Productivity of Channel Manufacturing Medium Size Spherical Roller Bearing, Jasmin P. Bhimani, Sahil Y. Yagnik, Vijay V. Mehta, Hardik A. Khunt. (2022), Recent Trends in Production Engineering, 5(1), 1–7. https://doi.org/10.5281/zenodo.6424170
4) Performance analysis of solar still using various techniques: A review, International Journal of Creative Research Thoughts, Vol. 11 Issue 3, March 2023
List of Conference Papers
1) Comparative study of conventional gearbox and bearingless gearbox for the machine tool-A review, National Conference on Recent Advances in CAD/CAM/CAE, August 2015, C.U.Shah University
2) Logical Automated Car Parking Mechanism-A Case Study, International Conference on Emerging Trends in Scientific Research, December 2015, C.U.Shah University

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	Nil
Details of Books	Nil

Project Carried out
Nil

Patents	Filled	--	Granted	--
Nil				

Mechanical Engineering Department

Name of the Teaching Staff	Akash Dharamshibhai Chavda	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Adhoc.	
Joining Date at Institute	10 th February 2022	

Date of Birth	5 th March 1995
----------------------	----------------------------

AICTE Unique id	
------------------------	--

Education Qualifications (Mention all)	Degree	Branch
	Diploma	Nil
	UG BE/B.Tech	BE – Mechanical Engineering
	PG ME/M.Tech	ME - Mechanical (Thermal) Engineering
	Ph.D.	Nil

Work Experience (in year): 3 years and 1 month				
Teaching Degree	Teaching Diploma	Research	Industry	Other
Nil	4 Years and 6 Month	Nil	Nil	Nil

Area of Specialization	Thermal, Fluid and CFD
-------------------------------	------------------------

Course taught at Level	Subject
Diploma Level	Fundamentals of Mechanical Engineering, Basic Engineering Drawing, Thermodynamics, Fluid Mechanics and Hydraulic Machines, Manufacturing Process, Fabrication Technology, Tool Engineering
Post Diploma Level	Nil
Under Graduate Level	Nil
Post Graduate Level	Nil
Post Graduate Diploma Level	Nil

Research guidance (Number of Student)				
Master	Completed	Nil	On-going	Nil
Ph.D.	Completed	Nil	On-going	Nil

No. of papers published :03				
	National Journal	International Journal	National Conference	International Conference
		02		02

Research Publication
List of Journal Papers:
1. Numerical analysis of multiphase flow in chemical looping reforming process for hydrogen production and CO2 capture.
2. Performance analysis of solar still using various techniques: A review


List of Conference Papers:
1. CFD Analysis of Bubble Hydrodynamics in a Steam Reactor for Hydrogen Production Chemical Looping Reforming System.
2. Numerical Analysis of Bubble Hydrodynamics in a Steam Reactor Chemical Looping Reforming System.

No. of Books Chapter published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Chapter Published	Nil
Details of Books	
1. Nil	
2. Nil	

Project Carried out
PG level - NUMERICAL ANALYSIS OF CHEMICAL LOOPING REFORMING SYSTEM FOR HYDROGEN PRODUCTION
UG level - STIRLING ENGINE GENERATOR MODEL

Patents	Filled	Nil	Granted	Nil
----------------	---------------	------------	----------------	------------

Mechanical Engineering Department

Name of the Teaching Staff	Bhavesh Bholabhai Raval	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Adhoc.	
Joining Date at Institute	1 st March 2022	

Date of Birth	7 th March 1988
----------------------	----------------------------

AICTE Unique id	--
------------------------	----

Education Qualifications (Mention all)	Degree	Branch
	Diploma	Nil
	UG BE/B.Tech	BE – Mechanical Engineering
	PG ME/M.Tech	M.Tech - Mechanical Engineering (Thermal Science)
	Ph.D.	Nil

Work Experience (in year): 7 years and 8 months				
Teaching Degree	Teaching Diploma	Research	Industry	Other
9 years	1 Years	Nil	Nil	Nil

Area of Specialization	Thermal, Fluid and Automobile
-------------------------------	-------------------------------

Course taught at	
Level	Subject
Diploma Level	Fundamentals of Mechanical Engineering, Basic Engineering Drawing,
Post Diploma Level	Nil
Under Graduate Level	Basic Mechanical Engineering, Engineering Thermodynamics, Power Plant Engineering, Automobile Engineering, I. C. Engine, Heat and Mass transfer, Fluid Mechanics and Hydraulic Machines.
Post Graduate Level	Nil
Post Graduate Diploma Level	Nil

Research guidance (Number of Student)				
Master	Completed	Nil	On-going	Nil
Ph.D.	Completed	Nil	On-going	Nil

No. of papers published :02				
	National Journal	International Journal	National Conference	International Conference
	--	02	--	01

Research Publication
List of Journal Papers:
1. Aerodynamic Design of Axial Flow Compressor
2. Performance analysis of solar still using various techniques: A review


List of Conference Papers:
1. Design and Analysis of two-dimensional linear compressor cascade flow

No. of Books Chapter published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Chapter Published	Nil
Details of Books	Nil

Project Carried out
PG level – Aerodynamic Design of Axial Flow Compressor
UG level – nil

Patents	Filled	Nil	Granted	Nil
----------------	---------------	------------	----------------	------------

Electrical Engineering Department

Name of the Teaching Staff	DR. ALPESH S. ADESHARA	
Designation	Associate professor & HOD	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	20-07-2006	

Date of Birth	15-07-1982
----------------------	------------

AICTE Unique id	1-448008237
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	UG BE/B.Tech	B.E ELECTRICAL ENGINEERING
	PG ME/M.Tech	M.E ELECTRICAL POWER SYSTEM
	Ph.D.	Ph.D. ELECTRICAL ENGINEERING

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
18 Years		4.5 Years		

Area of Specialization	ELECTRICAL ENGINEERING
-------------------------------	------------------------

Course taught at	
Level	Subject
Under Graduate Level	Inter connected power system, power system operation and control, switchgear and protection, testing commissioning of electrical equipments, electrical machines, basic electrical engineering, solar energy, electric and hybrid vehicles
Post Graduate Level	Advanced power system switchgear & protection psp, flexible ac transmission system, high voltage dc transmission system, power system transients

	in power systems
--	------------------

Research guidance (Number of Student)				
Master	Completed	11	On-going	
Ph.D.	Completed		On-going	


No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	02	15	7	1

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	01
Details of Books	
Advances in Smart Grid and Renewable Energy Proceedings of ETAEERE-2016 ISSN: 1876-1119 By: DR. ADESHARA ALPESH SURESHCHANDRA	

Project Carried out
Ecofriendly e-cart
E-mobility and approach towards green energy

Patents	Filled	--	Granted	--
Nil				

Electrical Engineering Department

Name of the Teaching Staff	DR. SACHIN VRAJLAL RAJANI	
Designation	ASSISTANT PROFESSOR	
Appointment Type (Regular/Adhoc)	REGULAR	
Joining Date at Institute	10-12-2001	

Date of Birth	10-11-1978
----------------------	------------

AICTE Unique id	1448008225
------------------------	------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	B.E ELECTRICAL ENGINEERING
	PG ME/M.Tech	M.E ELECTRICAL ENGINEERING
	Ph.D.	Ph.D. ELECTRICAL ENGINEERING

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
21.7 Years	--	--	--	--

Area of Specialization	ELECTRICAL ENGINEERING
-------------------------------	------------------------

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	POWER SYSTEMS- 1, POWER SYSTEMS-2, ELECTRICAL MACHINES -1, ELECTRICAL MACHINES -2, BASIC ELECTRICAL ENGINEERING, WIND AND SOLAR ENERGY, ELECTRIC AND HYBRID VEHICLES, AIML,

	PHYSICS-II
Post Graduate Level	FACTS, HVDC, TRANSIENTS IN POWER SYSTEMS
Post Graduate Diploma Level	--

Research guidance (Number of Student)				
Master	Completed	11	On-going	--
Ph.D.	Completed	--	On-going	2

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
		13	6	1

Research Publication				
List of Journal Papers				
Sr. No.	Title of Paper	Name of the Journal	Vol. & Page No.	Year
1	Experimental verification of the rate of charge improvement using photovoltaic MPPT hardware for the battery and ultracapacitor storage devices	Elsevier – Solar Energy (ISSN: 0038-092X)	Vol. 139 (1), Pages 142-148	Dec. 2016
2	Experimental validation of the ultracapacitor parameters using the method of averaging for photovoltaic applications	Elsevier- Journal of Energy Storage (ISSN: 2352-152X)	Vol. 5, Pages 120-126	Feb. 2016
3	Simulation and Comparison of P & O and INC MPPT algorithms for solar energy systems connected to grid	Springer - SADHANA (ISSN: 0256-2499)	Vol. 40 (1), Pages 139-153	Feb. 2015
4	Comparison of a single branch and a double branch R-C models for Li-ion batteries considering the electric vehicle applications	International Journal of Research in Advent Technology (ISSN 2321-9637)	Vol.7, No.5, Pages 341-345	May 2019
5	Voltage Sag/Swell compensation using Dynamic Voltage Restorer (DVR)	International Journal of Application or innovation in Engineering & Management (ISSN: 2319-	Vol. 3 (4), Pages 39-46	April 2013

		4847)		
6	Modeling of the Lead-Acid Battery with Different Load Current Profiles	Research Review International Journal of Multidisciplinary (ISSN: 2455-3085)	Vol. 4(6) Pages: 223-226	01 Jun 2019
7	Control of Dynamic Voltage Restorer (DVR) using instantaneous symmetrical component for voltage sag/swell mitigation	International Journal of Advance Engineering and Research Development (ISSN: 2348-4470)	Vol. 1(3) Pages: 1-9	April 2014
8	An efficient energy management system for the PV grid tied and battery backed up systems for the small load applications	Journal of Control and Instrumentation (ISSN: 2229-6972)	Vol. 9 (3), Pages: 21-29	July 2018
9	Supercapacitor-Battery Hybridization to Prevent Battery Life for Pulsed Load Applications	Journal of Power Electronics and Power Systems (ISSN: 2249-863X)	Vol. 8 (1), Pages 1-15	March – 2018
10	Return on Investments and Payback Period Calculations for Solar Rooftop Power Plants: A Case Study for Gujarat, India	Journal of Power Electronics and Power Systems (ISSN: 2249-863X)	Vol. 8 (1), Pages 24-28	March – 2018
11	Prefluxing Technique to Mitigate Inrush Current of transformer	International Journal of Scientific Development and Research (ISSN: 2455-2631)	Vol. 1 (5), Pages 356-360	May 2016
12	Ni-MH Battery Dynamic Model with Reversible DC Machine and a Constant Load for Electric Vehicle Applications	Journal of Power Electronics and Power Systems (ISSN: 2249-863X)	Vol. 8 Issue -2, Pages 30-37	August 2018
13	Feasibility Studies of the Storage Devices with the Photovoltaic Systems – A Perspective	Trends in Electrical Engineering (TEE)	Vol 10, No 2 (2020)	Oct 2020
List of Conference Papers				

Sr. No.	Title of the Paper	Host Institute	Proceeding Detail	Year
1	Voltage Sag & Swell Compensation Using DVR	Guru Nanak Insti. Nagpur	Pages 63-68	9 th – 10 th Dec.2013
2	FACTS – Techno Commercial Analysis	NPEC Conf. @ Madurai	Pages 112-116	16 th – 17 th Dec. 2005
3	Technological Advancements with FACTS Devices	ISTE Organized Conf. @ Wadhwan	Pages 79-83	13 th – 14 th Oct.2005
4	Grid Management Through FACTS Controllers	Saurashtra Uni.	Pages 312-319	1 st – 2 nd October 2005
5	Reduction in T & D Loses	SVICS, Kadi	Pages 127-131	8 th – 9 th Jan.2005
6	Energy Conservation and Management	SVICS, Kadi	Pages 221-226	8 th – 9 th January 2005
7	A novel approach to characterize ultracapacitor for power electronics applications	IETE, ISTE International Conf. @ VVP	Pages 343- 349	8 th – 9 th April 2011

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published Nil


Details of Books NA

Project Carried out

- Photovoltaic maximum power point tracking with ultracapacitor battery hybrid energy storage (With GUJCOST Grant Rs. 1,70,000)
- PV Wind Nano Grid on going project (with GUJCOST Grant Rs. 4,88,600)

Patents	Filled	--	Granted	--
----------------	---------------	----	----------------	----

Electrical Engineering Department

Name of the Teaching Staff	Shilpa K Kathad	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	1 st December, 2011	

Date of Birth	7 th January, 1984
----------------------	-------------------------------

AICTE Unique id	1476209907
------------------------	------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	Electrical Engineering
	PG ME/M.Tech	Electrical Power Engineering
	Ph.D	Pursuing

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
16	-	-	-	-

Area of Specialization	Electrical Power Engineering
-------------------------------	------------------------------

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	Elements of Electrical Engineering, Circuits and Networks, AC machines, Electrical Circuit Analysis, Electrical Power Generations, Microprocessors,

	Field Theory, Electromagnetic Fields, Power Electronics 1, Power Electronics 2, Utilization of Electrical Energy and Traction, Control of Electrical Drives, Testing and Commissioning of Electrical Equipment, Microprocessor, Microcontroller and Interfacing, Electrical Machines 2, Disaster Management, Advanced Electrical Drives, Electromagnetic Field, AC Machines
Post Graduate Level	Advanced Electrical Machines, Power Electronics
Post Graduate Diploma Level	

Research guidance (Number of Student)

Master	Completed	2	On-going	-
Ph.D.	Completed	-	On-going	-

No. of papers published

	National Journal	International Journal	National Conference	International Conference
	-	-	7	2

Research Publication

List of Journal Papers

“Power Quality Issues and its Mitigation Technique in Integration of Renewable Energy with Grids: Review” Journal of Power Electronics & Power Systems ISSN 2249-863X Year 2022 Volume 12 Issue 1.

“Development of graphical user interface for power Monitoring and controlling to reduce energy consumption” JETIR (ISSN-2349-5162) June 2019 VOLUME 6 ISSUE 6.

List of Conference Papers

“Power system optimal operation incorporating multi objective approach to FACTS device” IN 3rd national conference on recent trends in engineering, management, Pharmacy, architecture & science organised by Noble group of institute Junagadh. ISBN 978-93-91729-01-1. October 2021

sinusoidal pulse width modulation based V/F speed control of induction motor using three level inverter, a conference on " Role of Innovation and Human Values in Engineering and Technology ", National, 11077 ISBN 2018 A

“Optimal Power Flow by Particle Swarm Optimization For Fuel Cost Minimization: Review”, PEPCCI-2013 organised by SVIT VASAD, ISBN-978-81-923462-1-2

design simulation and modelling of renewable based standalone hybrid system for DC Micro grid, national conference on “Recent Trends in Engineering, Management, Pharmacy and Architecture, march 201

Strategy development for reactive power compensation using PI Controller to assure stability of power system national conference on Recent Research and development in Core Disciplines of Engineering” April, 2015
Digital Communication: an efficient tool for the power system protection a national conference on “emerging trends in Electrical and Computer Engineering” March 2014
Applicability of multipurpose converter for power quality improvement a national conference on Emerging Trends in Engineering and Technology” march 2014
Capacitor size and location for voltage profile improvement and best fitness function using GA in distribution system an International conference on “Innovative technologies in engineering and sciences” December 2012
Under voltage load shedding using distributed controllers for the reliable operation of interconnected power systems an International conference on “Innovative technologies in engineering and sciences” April 2011
Hybrid current power optimal power flow technique for improving performance of power system an national Conference on “Emerging Vistas of Technology in 21st Century” December 2010
Microprocessor based digital logic communication development for relay operation national Conference on “Emerging Vistas of Technology in 21st Century” September 2009


No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published	NIL
Details of Books	

Project Carried out

Patents	Filled	--	Granted	--
----------------	---------------	----	----------------	----

Electrical Engineering Department

Name of the Teaching Staff	Parmar Devang Bhupendrabhai	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	01-08-2012	

Date of Birth	03-11-1987
----------------------	------------

AICTE Unique id	1476209915
------------------------	------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	-
	UG BE/B.Tech	BE Electrical
	PG ME/M.Tech	ME Power System Engineering
	Ph.D.	Phd. Pursuing in GTU

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
10	01	PMSG control for Renewable Energy Application	00	PGVCL 0.5 YEAR

Area of Specialization	Control system, High voltage Engineering, Power Electronics in Renewable Energy, Distributed Generation
-------------------------------	---

Course taught at	
Level	Subject

Diploma Level	Generation and transmission
Post Diploma Level	-
Under Graduate Level	Electrical power, High voltage Engineering, Electrical power utilization, Control system theory, Electrical measurements and measuring instruments
Post Graduate Level	Power system dynamics, High voltage direct current transmission, Digital protection, Power quality issues and their mitigation techniques in power systems,
Post Graduate Diploma Level	-

Research guidance (Number of Student)				
Master	Completed	02	On-going	00
Ph.D.	Completed	00	On-going	00

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	05	03	05	00

Research Publication
List of Journal Papers
“Overview of Different Wind power technology Connected to Grid & Modelling of Wind Turbine International Journal of Engineering Research and Development (IJERD) ISSN:2321-9939, 17-18 th January 2014 at ITM Universe, Vadodara.
List of Conference Papers
An overview of Wind Energy conversion system National conference on power system National conference on power system. PEPCCI-12 SVIT Vasad.9-11 January 2012.
Control Strategy of PMSG connected to wind energy conversion system. National conference on technology and Management National conference on power system PEPCCI-12 SVIT Vasad.9-11 January 2012.
Direct torque Control Strategy of PMSG Based Variable Speed Wind energy conversion system” National conference on recent advances in communication, control and Computing Technology 29-30 th March-2012 RACCCT-2012. (IEEE SCET SB).
Topology of BLDC for improvement of power quality. National Conference on Recent trends in Engineering, Management, Pharmacy, Architecture and Science, NCETEMPAS – 10-11 March-2017.
Power converter topology of brushless dc motor for improvement of power quality PDPU Journal of Energy and Management VOL. 2. NO. 2 ISSN 2456-6705 UGC APPROVED JOURNAL: NO. 63922. (Vol.2, No.2.), Page.19-28 Publication Year 2018

Design Simulation and Analysis of Zeta Converter for Speed Control of BLDC Motor. Journal of Power Electronics & Power Systems. eISSN: 2249-863X| |ISSN: 2321-4244. SJIF: 4.456 Publication Date on 25-02-2022.

Power Converter Topology Of Sepic-Fed Brushless Dc Motor Drive For Improvement Of Power Quality. PDPJ Journal of Energy and Management VOL. 2. NO. 2
ISSN 2456-6705 UGC APPROVED JOURNAL: NO. 63922 IX issue, Year 2022.

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)


No of Book Published	01
Details of Books	
High Voltage Engineering 2019 SATYA PRAKASHAN NEWDELHI ISBN 978-93-5192-221-6	

Project Carried out
NIL

Patents-	Filled	-	Granted	-
-----------------	---------------	---	----------------	---

V.V.P. ENGINEERING COLLEGE, RAJKOT

Electrical Engineering Department

Name of the Teaching Staff	Mr. Kishan Jivandas Bhayani	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	01/07/2013	

Date of Birth	14/06/1988
----------------------	------------

AICTE Unique id	2188075244
------------------------	------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	--
	UG BE	Electrical Engineering
	PG ME	Electrical Power System
	Ph.D.	Electrical Engineering

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
10	1	--	--	--

Area of Specialization	Electrical Power System
-------------------------------	-------------------------

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	Electrical Power System-1, Electrical Power System-2, Interconnected Power System, Digital

	Electronics, Industrial Automation.
Post Graduate Level	--
Post Graduate Diploma Level	--

Research guidance (Number of Student)

Master	Completed	2	On-going	--
Ph.D.	Completed	--	On-going	--

No. of papers published

	National Journal	International Journal	National Conference	International Conference
	14	--	5	1

Research Publication

List of Journal Papers

“Optimal Allocation of FACTS Devices Using Kinetic Gas Molecular Optimization and Cuckoo Search Algorithm”. Journal of The Institution of Engineers (India): Series B, 103, 2057–2072. <https://doi.org/10.1007/s40031-022-00784-w> Cite Score 2021 1.6 SJR 2021 0.237 SNIP 2021 0.619 Year 2022.

“Performance Analysis of a System with Optimal SVC Device Location Using a Meta-Heuristic Algorithm” Journal of gis.Science - Die Zeitschri Cite Score 2021 0.6 SJR 2021 0.148 SNIP 2021 0.086 Year 2022.

“Power Quality Issues and its Mitigation Technique in Integration of Renewable Energy with Grids: Review” Journal of Power Electronics & Power Systems ISSN 2249-863X Year 2022 Volume 12 Issue 1.

“Development of graphical user interface for power Monitoring and controlling to reduce energy consumption” JETIR (ISSN-2349-5162) June 2019 VOLUME 6 ISSUE 6.

“Artificial Neural Network Based SVC Switching at Distribution System for Minimal Injected Harmonics” STM JOURNAL-Trends in Electrical Engineering ISSN: 2249-4774 (Online), ISSN: 2321-4260 (Print) (Vol: 9/Issue: 1 APRIL 2019)

“Simulation and Analysis of Cascade Tripping & Islanding Detection”: Journal of Advances and Scholarly Research in Allied Education [JASRAE] (Vol: 16/Issue: 4 APRIL 2019) DOI: 10.29070/JASRAE

“Sinusoidal Pulse Width Modulation Switching Technique based Single Phase Inverter”: STM Journal of Power Electronics & Power Systems ISSN: 2249-863X (Online), ISSN: 2321-4244 (Print) Volume 9, Issue 1 MARCH 2019.


“Design Parameters of Shunt Active Filter for Harmonics Current Mitigation”: PDPU JOURNAL OF ENERGY AND MANAGEMENT VOL. 2. NO. 2 MAY 2018 ISSN 2581-5849 UGC APPROVED JOURNAL: NO. 63922.

“Unified Power Quality Conditioner for Power Quality Improvement”, IJSRD ISSN ONLINE (2321-0613) VOLUME 4 Issue 08 2016

“Design and Application of Genetic Algorithm for Fuel Cost minimization to ensure secure operation of Power System”, JETIR (ISSN-2349-5162) APRIL 2016 VOLUME

3 ISSUE 4				
“Applicability of Distributed controllers for reliable operation of interconnected power system” IJSRD Volume-3 Issue-2 April-2015 ISSN online 23210613				
“Economic Power Dispatch Using Particle Swarm Optimization”: IJSR Volume 2 Issue 4 April 2013, Online ISSN-2319-7064				
“Improve Power Quality of BLDC Motor Using Buck DC-DC Converter”, IJAIEM ISSN 2319-4847RATMIG 2013				
“Voltage sag/swell compensation using dynamic voltage restorer (DVR)”, IJAIEM ISSN 2319-4847RATMIG 2013				
List of Conference Papers				
“Power system optimal operation incorporating multi objective approach to FACTS device” IN 3rd national conference on recent trends in engineering, management, Pharmacy, architecture & science organised by Noble group of institute Junagadh. ISBN 978-93-91729-01-1. October 2021				
“Design Simulation and Modelling of Renewable based standalone hybrid system for DC microGrid” in 2 nd National conference on RTEMPAS-2017 March 2017 ISBN 978-93-5254-682-4.				
“Strategy Development for Reactive Power Compensation Using PI Controller to assure Stability of Power System” In national conference on recent research and development in core disciplines of engineering organised by Vadodara Institute of Engineering, kotambi, Vadodara April 2015.				
“Optimal Power Flow by Particle Swarm Optimization For Fuel Cost Minimization: Review”, PEPCCI-2013 organised by SVIT VASAD, ISBN-978-81-923462-1-2				
Research Article “Analysis and comparison of economic power dispatch by GA and PSO”, LAMBERT ACADEMIC PUBLISHING, GERMANY ISBN-978-613-9-96444-4 JANUARY 2019.				
“Review on Optimization Algorithm based Optimal Location and Size of FACTS Devices” in 2 nd IEEE International Conference on Smart Systems and Inventive Technology (ICSSIT) organised by Francis Xavier Engineering College, Tamil Nadu, India November 2019.				
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)				
No of Book Published			NIL	
Details of Books				
Project Carried out				
NIL				
Patents	Filled		Granted	
NIL				

Electrical Engineering Department

Name of the Teaching Staff	Hardik Maheshbhai Pandya	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	07/08/2009	

Date of Birth	07/01/1988
----------------------	------------

AICTE Unique id	1448008251
------------------------	------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	--
	UG BE/B.Tech	B.E. in Electrical Engineering Department from V.V.P. Engineering College, Rajkot
	PG ME/M.Tech	M.Tech. in Power Electronics and Electrical Drives from Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat
	Ph.D.	Pursuing from SVNIT, Surat

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
13 Years				

Area of Specialization	Power Electronics and Electrical Drives
-------------------------------	---

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	<ul style="list-style-type: none"> • Switchgear and Protection • Element of Electrical Engineering • Electrical Machines • Power Electronics • Electrical Drives

	<ul style="list-style-type: none"> • Electrical Power Generation • Utilization of Electrical Energy and Traction • Inter Connected Power System • Power System Operation and Control • Design Engineering 1A, 1B, 2A, 2B. • Microprocessor and Microcontroller Interfacing • Signals and Systems • Python Programming • Microprocessors and Microcontrollers • Advanced Electrical Drives
Post Graduate Level	<ul style="list-style-type: none"> • Advanced Power Electronics • Energy Management • Electrical Power Distribution System
Post Graduate Diploma Level	

Research guidance (Number of Student)				
Master	Completed	03	On-going	--
Ph.D.	Completed	--	On-going	--

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	--	4	--	--

Research Publication	
List of Journal Papers	
<ol style="list-style-type: none"> 1. Analysis and simulation of voltage sag/swell of a distribution system without and with dynamic voltage restorer (DVR), vol. 4, no. 2, pp. 704-709, 2016, ISSN 2321-9939. 2. Transient Response Analysis of DFIG Using Direct Rotor Control Technique, Trends in Electrical Engineering, vol. 8, no. 2, STM Journals 2018. 3. Performance Comparison of SRF-PLL and STF Control Algorithm for Power Quality Improvement, Internation Journal of Power Electronics Controllers and Converters, vol. 7, no. 2, pp. 34-46, 2022. 4. Power Factor Improvement in Single Phase System Using Active Front End Converter, Internation Journal of Power Electronics Controllers and Converters, vol. 8, no. 2, pp. 24-34, 2022. 5. Enhancement of Power Quality in Domestic Loads using Active Power Filters, METSZET Journal, vol. 8, no. 2, February 2023. 	
List of Conference Papers	
Nil	

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)
--

No of Book Published		NIL		
Details of Books				
Project Carried out		Nil		
Patents	Filled	--	Granted	--

Electrical Engineering Department

Name of the Teaching Staff	Prof. Anoop Budhrani	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	9 th August 2010	

Date of Birth	3 rd December 1987
----------------------	-------------------------------

AICTE Unique id	1448008283
------------------------	------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG	Electrical
	BE/B.Tech	
	PG	Electrical (Power System)
	ME/M.Tech	
	Ph.D.	Electrical (Continue.....)

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
13	--	--	--	--

Area of Specialization	Power System
-------------------------------	--------------

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--

Under Graduate Level	EEE, BEE, EPG, EM-1, IPDC-1, IPDC-2, PQM, CN
Post Graduate Level	RMIPR, IS, MAEMC, HVDC, PEC
Post Graduate Diploma Level	--

Research guidance (Number of Student)

Master	Completed	-	On-going	1
Ph.D.	Completed	-	On-going	-

No. of papers published

	National Journal	International Journal	National Conference	International Conference
	2	8	1	-

Research Publication

List of Journal Papers

- 1) THREE PHASE SHUNT ACTIVE FILTER FOR MITIGATION OF HARMONICS CURRENT USING p-q theory at IJDERET
- 2) Result Analysis of Voltage profile and Real Power Losses in IEEE-9 Bus System Using FACTS Devices with Different Loading Condition at IJEDR
- 3) Review on Three Phase Shunt Active Filter for Compensation of Non Linear Load Currents Based On p-q Theory at IJEDR
- 4) Simulation and Analysis of Single Phase Shunt Active Filter Based on PQ Theory at IJEDR
- 5) Design Parameters for Shunt Active Filter for Harmonics Current Mitigation at PDU Journal of Energy and Management.
- 6) Sinusoidal Pulse Width Modulation Switching Technique based Single Phase Inverter at STM JOURNALS.
- 7) Artificial Neural Network Based SVC Switching At Distribution System for Minimal Injected Harmonics at STM JOURNALS.
- 8) Simulation of Shunt Active Filter for Compensation of Nonlinear Load Currents at IJEDR.
- 9) Enhancement of Power Quality in Domestic Loads using Active Power Filters at METSZET JOURNAL.
- 10) Power Factor Improvement in Single Phase System Using Active Front End Converter at International Journal of Power Electronics Controllers and Converters

List of Conference Papers

- 1) Presented a paper at National Conference on "Recent Trends in Engineering, Management and Pharmacy" titled – " Shunt Active Filter for Harmonics Current Mitigation using P-Q theory at Noble Group of Institutes Junagadh

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)


No of Book Published	NIL
----------------------	-----

Details of Books

Project Carried out
NIL

Patents	Filled	--	Granted	--
----------------	---------------	----	----------------	----

Electrical Engineering Department

Name of the Teaching Staff	BHANDERI KUNJAN BABULAL	
Designation	ASSISTANT PROFESSOR	
Appointment Type (Regular/Adhoc)	AdHoc	
Joining Date at Institute	29/08/2016	

Date of Birth	13-12-1989
----------------------	------------

AICTE Unique id	2190159870
------------------------	------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	-
	UG	Bachelor of Electrical Engineering
	PG	Master of Electrical Engineering
	Ph.D.	Pursuing

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
9	0	0	0	0

Area of Specialization	Power Electronics, Electrical Drives, Energy Storage
-------------------------------	--

Course taught at	
Level	Subject

Diploma Level	-
Post Diploma Level	-
Under Graduate Level	Power Electronics, Elements of Electrical Engineering, Electrical Power Generation, Power Quality, Electrical Vehicle, Design Engineering, Analog and Digital Electronics
Post Graduate Level	-
Post Graduate Diploma Level	-

Research guidance (Number of Student)

Master	Completed	0	On-going	0
Ph.D.	Completed	0	On-going	0

No. of papers published

	National Journal	International Journal	National Conference	International Conference
	0	3	2	0

Research Publication

List of Journal Papers

“Enhancement of Voltage Profile Using Dynamic Voltage Restorer” International Journal for Technological Research in Engineering (IJTRE), Volume 2 Issue 6, February-2015.

“Simulation of Three Phase AC - DC Front End Converter with Vector Control” International Journal of Advance Engineering and Research Development (IJAERD), Volume 1 Issue 7, July-2014.

“Power Factor Improvement in Single Phase System Using Active Front End converter” International Journal of Power Electronics Controllers and Converters, Volume 8 Issue 2, March-2022

List of Conference Papers

“Power Quality Improvement using P-Q Theory Based on Active Power filters” National Conference on Emerging Trends in Computer & Electrical Engineering (ETCEE-2014) at Atmiya Institute of Technology and Science, Rajkot, Gujarat, INDIA, March 7th – 8th, 2014: pp.316-320.

“Survey of Different Control Strategies for Shunt Active Power filters” National Conference on Innovative & Emerging Technologies (NCIET-2013) at Smt. S. R. Patel Engineering College, Unjha, Gujarat, INDIA, January 24th – 25th, 2013: pp.360-367.

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book	NIL
-------------------	-----


Published	
Details of Books	

Project Carried out	Nil
----------------------------	------------

Patents	Filled	0	Granted	0
----------------	---------------	---	----------------	---

V.V.P. ENGINEERING COLLEGE, RAJKOT

Electrical Engineering Department

Name of the Teaching Staff	DEEPAKKUMAR M. VARU	
Designation	ASSISTANT PROFESSOR	
Appointment Type (Regular/Adhoc)	ADHOC	
Joining Date at Institute	11/02/2022	

Date of Birth	25/09/1993
----------------------	------------

AICTE Unique id	1-4573654744
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	-
	UG BE/B.Tech	BE (ELECTRICAL)
	PG ME/M.Tech	ME (POWER ELECTRONICS AND ELECTRICAL DRIVES)
	Ph.D.	Pursuing

Work Experience (in year):				
Teaching Degree	Teaching Diploma	Research	Industry	Other
6.5	-	-	-	-

Area of Specialization	POWER ELECTRONICS CONVERTERS, POWER ELECTRONICS AND ELECTRICAL DRIVES
-------------------------------	---

Course taught at	
Level	Subject
Diploma Level	-
Post Diploma Level	-
Under Graduate Level	Industrial instrumentation, analog and digital electronics, power electronics - i, power electronics - 2, dc machine and transformer, electrical measurement and measuring instrument, digital electronics. Testing and commissioning of electrical equipments, power quality, energy conservation and audit, Basic Electrical Engineering
Post Graduate Level	Power electronics converter and application
Post Graduate Diploma Level	-

Research guidance (Number of Student)				
Master	Completed	1	On-going	-
Ph.D.	Completed	-	On-going	-

No. of papers published : 7				
	National Journal	International Journal	National Conference	International Conference
	-	3	1	3

Research Publication
List of Journal Papers :
1. Published paper in “International Journal of Trend in Research and Development” , Vol-2, Issue-6, Nov-Dec 2015, paper entitled “Comparative Analysis of Five Level Diode Clamped Multilevel Inverter with SPWM control Strategy for Different Triangular Carrier Wave Configuration.”
2. Published paper in “Journal of Emerging Technologies and Innovative Research ISSN – 2349 5162” , Vol – 9, Issue – 2, February – 2022, paper entitled “IoT based 11 kv fault detection” .
3. Published paper in “International Journal of Power Electronics Controllers & Converters” , Vol – 8, Issue – 2, February – 2023, paper entitled “Power factor Improvement in Single Phase System Using Active Front End Converter” .


List of Conference Papers:
1. Presented paper in International Conference on “Innovative Advancements in Engineering and Technology” , Jaipur, Rajasthan, 1 st - 2 nd April, 2016, paper entitled “Design of Single Phase Active Front End Converter with Reduced Line Current Harmonics for Power Factor Improvement.”
2. Presented paper in 1 st National Conference on “Recent Trends in Eng., Management and Pharmacy” , 11 th – 12 th March, 2016, paper entitled “Single Phase Active Front End Converter for Power Factor Improvement.”
3. Presented paper in International Conference on “Innovative Trends in Electrical and Computer Engineering (ITECE-2016)” , 22 nd April, 2016, paper entitled “Power Factor Improvement in Single Phase System Using Active Front End Converter.”
4. Presented paper in International Conference on “Innovative Trends in Electrical and Computer Engineering (ITECE-2016)” , 22 nd April, 2016, paper entitled “Power Quality Improvement Using Dynamic Voltage Restorer with Hysteresis Voltage Control Technique for Power Distribution System”

No. of Books Chapter published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Chapter Published	-
Details of Books -	

Project Carried out
1. Design and implementation of single phase front end converter for power factor improvement.
2. Three phase converter using PWM technique
3. Automatic Plant irrigation system using GSM and Arduino.

Patents	Filled	-	Granted	-
----------------	---------------	---	----------------	---

Chemical Engineering Department

Name of the Teaching Staff	Dr. Piyush Bhagvanjibhai Vanzara	
Designation	Professor & HOD	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	24 th Dec. 2001	

Date of Birth	23 rd Sep., 1979
----------------------	-----------------------------

AICTE Unique id	1-448085363
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	BE (Chemical Engineering)
	PG ME/M.Tech	ME (Chemical Engineering)
	Ph.D.	Ph.D. (Chemical Engineering)

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
22	NIL	NIL	NIL	NIL

Area of Specialization	<ul style="list-style-type: none"> ❑ Fundamentals and advancements of process engineering ❑ Hydrodynamics and mass transfer aspects of multiphase flow systems ❑ Petroleum refinery engineering and modernization of petrochemical plants ❑ Thermodynamic analysis of reaction and separation systems
-------------------------------	---

Course taught at	
Level	Subject
Diploma Level	NIL
Post Diploma Level	NIL
Under Graduate Level	Chemical Engineering Thermodynamics-I Mass Transfer Operations-I, II Chemical Process Plant design and Economics, Petroleum Refining and Petrochemicals Concepts of Thermodynamics and Bioenergetics Chemical Engineering Fundamentals-I,II,III
Post Graduate Level	Advanced Transport Phenomena Advanced Separation Processes Surface science and Nanotechnology Advanced Mass Transfer Process Plant Design and flow sheeting Advanced Chemical engineering Thermodynamics
Post Graduate Diploma Level	NIL

Research guidance (Number of Student)				
Master	Completed	7	On-going	NIL
Ph.D.	Completed	NIL	On-going	4

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	0	7	9	17

Research Publication
List of Journal Papers
National Journal <p style="text-align: center;">Nil</p> International Journal <ol style="list-style-type: none"> 1. Richa Modi, Ashish R. Kavaiya, Piyush B. Vanzara, Hiren D. Raval, "Membranes in Zero-Liquid-Discharge Systems for Efficient Processes toward Sustainable Environment: A Review", Journal of Environmental Engineering, Vol. 148, No. 11, August 2022. 2. Kajal J. Sareriya, Jigar K. Andharia, Piyush B. Vanzara, Subarna Maiti, "A comprehensive review of design parameters, thermal performance

assessment, and medium temperature solar thermal applications of Scheffler concentrator”, Cleaner Engineering and Technology, Volume 6, February 2022, 100366, DOI 10.1016/j.clet.2021.100366.

3. Prashant R. Vaidya, **Piyush B. Vanzara**. “A Review on Preparation and Characterization of hollow fiber Ultrafiltration Membrane.” International Journal of Advance Research in Engineering Science and Technology (IJAREST). April 2017, Vol-4, Issue 4: 318–322. ISSN (online): 2393 – 9877; ISSN (print): 2394 – 2444.
4. Meet Vadodaria, **Piyush Vanzara**. “A study on diesel hydrotreater using combined refinery streams” International Research Journal of Engineering and Technology (IRJET). April, 2018, 5(4): 1443-1447, IF: 6.171, e-ISSN: 2395-0056, p-ISSN: 2395-0072.
5. P.V. Chavda, **P.B.Vanzara**, R.A. Sengupta. “Effect of draft tube, its height and air flow rate on growth kinetics of Baker’s yeast in bubble column” Research & Reviews: A Journal of Biotechnology (RRJoBT). STM Journals 2017; 7(3); 28-32, ISSN: 2231-3826(online), ISSN: 2347-7245(print).
6. Bansil B. Kariya, Divya K. Rajput, **Piyush B. Vanzara**. “Stabilization of pickering emulsion using micro and nano silica particles.” International Journal for Science and Advance Research in Technology (IJSART). April 2016, Vol-2, Issue 4: 367–372. ISSN: 2395 – 1052.
7. Pooja A. Raja, **Piyush B. Vanzara**, Ranjan A. Sengupta, “Effect of draft tube height and superficial gas velocity on liquid circulation in rectangular airlift loop reactor” International Journal of Science, Engineering and Technology. 2015; 3(1) : 347-349. ISSN : 2348-4098.

List of Conference Papers

National conference:

1. A. M. Patwardhan, **Dr. P. B. Vanzara**, “Cyclic Voltammetry Studies for CO₂ electroreduction”, Recent Advances in Chemical Engineering & Technology RACET-2023, UICET, North Maharashtra University, March 2023.
2. Richa Modi, **Piyush Vanzara**. “A review on application of membranes in ceramics tiles industry wastewater treatment” Proceedings of National Conference: Recent Trends on Membranes and Separation Technology (RTMST-2017) organized by CSMCRI- Bhavnagar, November 22-23, 2017.
3. Ajinkya M. Patwardhan, Disha Hothi, **Piyush B. Vanzara**. “ Electrochemical conversion of CO₂” Proceedings of a National Conference CHEMIX-2019 on Intra and inter-disciplinary blend of chemical engineering organized by Department of Chemical Engineering, VNIT- Nagpur, March 30-31, 2019.
4. Bansil B. Kariya, Divya K. Rajput, **Piyush B. Vanzara**, “A Review on Synthesis Techniques and Application of Janus Particles in Polymer Technology.” Proceedings of All India Seminar on “Polymer Processing, Reclamation and its End-of-life Impact on Environment” organized by the Institution of Engineers (India), Gujarat State Centre, Ahmedabad, August 21-22, 2015.
5. **Piyush B. Vanzara**, R. Sengupta, “Wastewater treatment using activated sludge in rectangular Draft Tube Bubble Column” *Proceedings of 28th National Convention of Chemical Engineers (28-NCCE) of IE*, Ahmedabad, September 7-8, 2012.

6. Sagar D. Mashru, Vishal A. Chavda, **Piyush B. Vanzara**, "Carbon Credit- An Emission Trading Scheme" Proceedings of National Symposium on Carbon Dioxide Capture and Sequestration- Challenges for Engineers (NCCS-2009) organized by GCET, Vallabh Vidyanagar, March 6-7, 2009.
7. Vishal A. Chavda and Pooja A. Raja, **Piyush B. Vanzara**, "Biodiesel-An alternative Fuel Resource for Rural Development" Proceedings of National Symposium on Alternative Energy Sources for Rural Development organized by Parvatibai Genba Moze College of Engineering, Pune, January 31, 2009.
8. Lalji Kathiriya, Kajal Patel, **Piyush B. Vanzara**. "Cleaner Production-A technique for the green technology" Proceedings of National Symposium on Emerging Technologies and Applications (ETA-2005), Rajkot, October 1-2, 2005.
9. Richa Modi, **Piyush Vanzara**. "A novel approach to improve RO TFC membrane Performance with help of critical analysis techniques" Proceedings of abstracts of National Conference on New Frontiers in Energy and Environmental Sustainability (NFEES) organized by Department of Chemical Engineering in association with IChE student Chapter, SOT, PDEU, Gandhinagar, Gujarat, Feb.27-28,2021, page 14. **(Received 1st Prize for Best E-poster presentation)**

International conference:

1. Falguni Bhatesara, Anupama Bharti, Sushil Korgaokar, **Piyush B Vanzara**. "A global perspective on various techniques for metal recovery from E-waste" Proceedings of International Conference on "Paradigm shift in chemical engineering education, processes and technology" jointly organized by IEI- Institution of Engineers (India), GNFC & GSFC at Bhaikaka Bhavan, Ahmedabad, September 16-17, 2017. Page 477-488.
2. Richa Modi, **Piyush Vanzara**. "A review on techniques for the reduction of RO membrane fouling for dye wastewater" Proceedings of the 6th IWA (International Water Association) Regional Membrane Technology International Conference (IWA-RMTC 2018) organized by The M.S. University of Baroda, Vadodara, Dec. 10-12, 2018, page 73.
3. Banshi B. Kariya, Divya K. Rajput, Bina R. Sengupta, **Piyush B. Vanzara**. "Synthesis and Characterization of Janus Colloidal Particles." Proceedings of TEQIP-II sponsored International Conference on Nanotechnology Applications: Chemical, Energy and Environment (NACEE-2017) organized by Chemical Engineering Department, SVNIT, Surat, March 22-23, 2017.
4. Banshi S. Adesara, **Piyush B. Vanzara**, Sushil S. Korgaokar. "A review on metal recovery from spent petroleum catalyst" Proceedings of International Conference on "Crystal Ball Vision on Science & Engineering for Societal Upliftment" (IJAA-2017) organized by IJAA (Indian JSPS Alumni Association) and sponsored by JSPS (Japan Society for Promotion of Science), Japan at CSIR- NIO (National Institute of Oceanography), Goa, India, August 7-8, 2017.
5. **Piyush B. Vanzara**, Anupama Bharti. "A study on eco-friendly metal recovery from E-waste" Proceedings of International Conference on "Crystal Ball Vision on Science & Engineering for Societal Upliftment" (IJAA-2017) organized by IJAA (Indian JSPS Alumni Association) and sponsored by JSPS

(Japan Society for Promotion of Science), Japan at CSIR- NIO (National Institute of Oceanography), Goa, India, August 7-8, 2017. Page 90.

6. Jaysukh H. Markana, Megha Patel, **Piyush B. Vanzara**. "Silver Nanoparticles: Synergistic effect as antimicrobial against bacteria" Proceedings of TEQIP-II sponsored International Conference on Nanotechnology Applications: Chemical, Energy and Environment (NACEE-2017) organized by Chemical Engineering Department, SVNIT, Surat, March 22-23, 2017.
7. Divya K. Rajput, Banshi B. Kariya, **Piyush B. Vanzara**. "Stabilization of pickering emulsion using Nano-silica." Proceedings of International Symposium & 68th Annual Session of IChE in association with International Partners (CHEMCON-2015), Guwahati, December 27-30, 2015.
8. Pooja A. Raja, **Piyush B. Vanzara**, Ranjan A. Sengupta, "Effect of draft tube, its height and air flow rate on growth kinetics of Baker's yeast in Rectangular Draft Tube Bubble Columns" Proceedings of International Symposium & 67th Annual Session of IChE in association with International Partners (CHEMCON-2014), Chandigarh, December 27-30, 2014.
9. **Piyush B. Vanzara**, R. Sengupta, "Effect of Operational and Geometrical Design Parameters on Gas holdup in Draft Tube Bubble Columns" Proceedings of International Symposium & 66th Annual Session of IChE in association with International Partners (CHEMCON-2013), UICT- Mumbai, December 27-30, 2013.
10. **Piyush B. Vanzara**, R. Sengupta, "Gas holdup studies in Rectangular Draft-Tube Bubble Column" Proceedings of International Symposium & 64th Annual Session of IChE in association with International Partners (CHEMCON-2011), Bangalore, December 27-29, 2011.
11. **Piyush B. Vanzara**, R. Sengupta "Assessment of fermentor geometries and flow patterns in the bench scale production of Baker's yeast", Proceedings of International Symposium on Recent Advances in Chemical Engineering and Technology (RACET 2011), organized by IChE, Kochi, March 10-12, 2011.
12. P. L. Bhargavi, Siddhi Saholia, **Piyush B. Vanzara**, "Production of Baker's Yeast in a Bubble Column", Proceedings of International Symposium & 61st Annual Session of IChE in association with International Partners (CHEMCON-2008), Chandigarh, December 27-30, 2008.
13. Anish Thomas, **Piyush B. Vanzara**, "Application of smart catalyst for detection and degradation of Anthrax" Proceedings of International Symposium & 59th Annual Session of IChE in association with International Partners (CHEMCON-2006), Bharuch, December 27-30, 2006.
14. Anish Thomas, **Piyush B. Vanzara**. "A biomass fired fuel cell as an energy booster" Proceedings of International Symposium & 59th Annual Session of IChE in association with International Partners (CHEMCON-2006), Bharuch, December, 27-30, 2006.
15. **Piyush B. Vanzara**, Vyomesh M. Parsana, "Modeling and simulation of CSTR for manufacture of Propylene Glycol" Proceedings of International

Symposium & 58th Annual Session of IChE in association with International Partners (CHEMCON-2005), IIT- Delhi, December 14-17, 2005.

16. Bansi B. Kariya, **Piyush B. Vanzara**. "Review on methodologies for Recycling of Refinery Waste Spent Catalyst" Proceedings of International Symposium (online) & 73rd Annual Session of IChE in association with International Partners (CHEMCON-2020), December 27-29, 2020. (Abstract ID: OP-07-034)

17. Bansi S. Adesara, **Piyush B. Vanzara**. "A review on metal recovery from spent petroleum catalyst" Proceedings of International conference (online) on Advances in Sustainable Research for Energy and Environmental Management (ASREEM-2021), organized by SVNIT-Surat, Aug. 6-8, 2021 (paper ID: ASIN00101)


No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published	NIL
Details of Books	NA

Project Carried out : Investigations on hydrodynamic and mass transfer behaviour of draft tube Bubble columns

Patents	Filled	NIL	Granted	NIL
----------------	---------------	-----	----------------	-----

Chemical Engineering Department

Name of the Teaching Staff	Dr. Vyomesh Mansukhbhai Parsana	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	04/07/2005	

Date of Birth	28/10/1977
----------------------	------------

AICTE Unique id	1-448085327
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	N.A.
	UG	Chemical
	BE	
	PG	Chemical Engineering
	M.Tech	
	Ph.D.	Chemical Engineering

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
18	--	--	1	--

Area of Specialization	Chemical Engineering
-------------------------------	----------------------

Course taught at	
Level	Subject
Diploma Level	N.A.
Post Diploma Level	N.A.
Under Graduate Level	Chemical Engineering Thermodynamics – I and II, Chemical Process Industries – I and II, Process Modeling, Simulation & Optimization, Computer Aided Process Synthesis, Unit Processes, Chemical Engineering Economics and Plant Engineering, Chemical System Modeling, Computer Programming, Chemical Reaction Engineering – I and II, Process Heat Transfer, Process Calculation,

	Chemical Engineering Maths, Material Science, Material and Energy Balance Calculations, Numerical Methods in Chemical Engineering, Chemical Engineering Fundamentals – I and II, Stoichiometry, Basics of Reaction Engineering
Post Graduate Level	Advanced Reaction Engineering, Numerical Methods and Statistical Analysis for Chemical Engineering, Advanced Chemical Engineering Thermodynamics, Process Design and Synthesis, Mathematical and Statistical Methods in Chemical Engineering, Waste to Energy
Post Graduate Diploma Level	N.A.

Research guidance (Number of Student)

Master	Completed	09	On-going	00
Ph.D.	Completed	01	On-going	03

No. of papers published

	National Journal	International Journal	National Conference	International Conference
24		13	02	09

Research Publication

List of Journal Papers

- ❖ Ravibhai Bhola, Rizwan Ghumara, Chirag Patel, **Vyomesh Parsana**, Keyur Bhatt, Dinesh Kundariya, and Hasit Vaghani, “**Solubility and Thermodynamics Profile of Benzethonium Chloride in Pure and Binary Solvents at Different Temperatures**”, ACS Omega 2023 8 (16), 14430-14439. DOI: 10.1021/acsomega.2c07877. (Impact Factor 2022: 4.132, SJR 2022: 0.69)
- ❖ **Vyomesh M. Parsana**, Sachin Parikh, Keval Ziniya, Hirvita Dave, Piyush Gadhiya, Kedar Joshi, Dolly Gandhi, Thijs J. H. Vlugt, and Mahinder Ramdin, “**Isobaric Vapor-Liquid Equilibrium Data for Tetrahydrofuran + Acetic Acid and Tetrahydrofuran + Trichloroethylene Mixtures**”, Journal of Chemical & Engineering Data 2023, 68 (2), 349-357. DOI: 10.1021/acs.jced.2c00593. ((Impact Factor 2021: 3.119, SJR 2021: 0.69)
- ❖ Antero T. Laitinen, **Vyomesh M. Parsana**, Olli Jauhiainen, Marco Huotari, Leo J. P. van den Broeke, Wiebren de Jong, Thijs J. H. Vlugt, and Mahinder Ramdin, “**Liquid-Liquid Extraction of Formic Acid with 2 Methyltetrahydrofuran: Experiments, Process Modeling, & Economics**”, Industrial & Engineering Chemistry Research 2021, 60 (15), 5588-5599. DOI: 10.1021/acs.iecr.1c00159. (**Impact Factor 2019: 3.573, SJR 2019: 0.9**)
- ❖ **Vyomesh M. Parsana**, Urvi Parekh, Sudhir P. Dabke, Keval Ziniya, Kedar Joshi, Thijs J. H. Vlugt, and Mahinder Ramdin, “**Isobaric Vapor-Liquid Equilibrium Data of Binary Systems Containing 2-Ethoxyethanol, 2-Ethoxyethyl Acetate, and Toluene**”, Journal of Chemical & Engineering Data 2020, 65, 10, 4798-4804. DOI: 10.1021/acs.jced.0c00291. (**Impact**

Factor 2019: 2.369, SJR 2019: 0.657)	
❖	Keval Ziniya, Vyomesh M. Parsana , Piyush Gadhiya, “ Estimation of Isobaric Vapour-Liquid Equilibria of THF/Acetic acid System using UNIFAC Method ”, <i>International Journal of Advanced Science and Technology</i> , 28 (16), 1389–1399, (2019). (SJR 2018: 0.13)
❖	Vyomesh M. Parsana, Sachin P. Parikh, “ Isobaric Vapour-Liquid Equilibrium Data Measurement for a Binary System of Green Solvent 2-Methyltetrahydrofuran and Acetic acid at 101.3 kPa ”, <i>Arabian Journal for Science & Engineering</i> , 44, 5371-5379, (2019). DOI: 10.1007/s13369-018-3638-8. (Impact Factor 2018: 1.518, SJR 2018: 0.32)
❖	Vyomesh M. Parsana, Piyush M. Gadhiya, <i>et al.</i> , “ Phase Equilibrium Estimation of 2,2,4-trimethylpentane / Benzene System using Group Contribution Method ”, <i>International J. of Adv. Eng. and Res. Dev.</i> , e-ISSN: 2348-4470, p-ISSN: 2348-6406, 5 (4), 1418-26, (2018).
❖	Megha Joshi, Vyomesh M. Parsana, <i>et al.</i> , “ Isobaric Vapour-Liquid Equilibrium Data Prediction of a Binary System Comprising a Green Solvent ”, <i>International J. of Adv. Eng. and Res. Dev.</i> , e-ISSN: 2348-4470, p-ISSN: 2348-6406, 5 (4), 1439-42, (2018).
❖	Purvin Raiyani, Vyomesh M. Parsana, “ A Review on Membrane based Sensor used for production of enzyme ”, <i>Int. J. Adv. Res. Eng. Sci. Tech.</i> , e-ISSN: 2393-9877, p-ISSN: 2394-2444, 4 (4), 858-61, 2017.
❖	Divya Tirva, V. M. Parsana, Piyush Gadhiya, “ Isobaric VLE Data of Binary System Using Modified UNIFAC Method ”, <i>International Journal for Science and Advance Research in Technology</i> , ISSN Online: 2395-1052, 2 (4), 411-14 (2016).
❖	Vyomesh M. Parsana, Sachin P. Parikh, “ Vapor-Liquid Equilibrium Data Prediction by Advanced Group Contribution Methods for a Binary System of Cyclopentyl methyl ether and Acetic acid at Atmospheric Pressure ”, <i>Res. J. of Chem. Sci.</i> , 5, 64-72 (2015).
❖	Vyomesh M. Parsana, Sachin P. Parikh, “ Need for Vapour-Liquid Equilibrium Data Generation of Systems Involving Green Solvents ”, <i>Int. J. of Eng. Res. and App.</i> , 5, 56-62 (2015).
❖	Piyush M. Gadhiya, Vyomesh M. Parsana, <i>et al.</i> , “ Vapor-Liquid Equilibrium Data Prediction by Advanced Group Contribution Methods for a Binary System of Cyclopentyl methyl ether and Cyclopentanol at Atmospheric Pressure ”, <i>International J. of Adv. Eng. and Res. Dev.</i> , 2, 260-269 (2015).
List of Conference Papers	
▪	Priyank Khirsariya, Vyomesh Parsana , “ Review on Modeling and Experimental Measurement of Vapor-Liquid Equilibrium Data of Systems Comprising Green Solvents ” 3 rd National Conference on Advanced Research Techniques in Chemical Engineering (ARTCHEM 2022) organized by Department of Chemical Engineering, Sarvajani College of Engineering & Technology, Surat during 22-23 December 2022.
▪	Priyank Khirsariya, Vyomesh Parsana , Kedar Joshi, “ A Comparative of Vapor-Liquid Equilibrium Data for Ethyl lactate-Lactic acid System using Group Contribution Methods and a Simulator ”, proceedings of 74th Annual Session of Indian Institute of Chemical Engineers (CHEMCON-2021),

at Bhubaneswar, during 27-30 December 2021.
<ul style="list-style-type: none"> ▪ Kedar H. Joshi, Vyomesh M. Parsana, Dolly R. Gandhi, “Thermodynamic Properties Prediction and Modeling using Group Contribution Methods for the Binary System of Tetrahydrofuran and Trichloroethylene”, proceedings of 74th Annual Session of Indian Institute of Chemical Engineers (CHEMCON-2021), at Bhubaneswar, during 27-30 December 2021.
<ul style="list-style-type: none"> ▪ Nikul Dave, Priyank Khirsariya, Vyomesh Parsana, “Vapour-Liquid Equilibrium Data of 2-Methyl tetrahydrofuran/Acetic acid System at Sub-atmospheric Pressure”, an International Conference on Green Technologies for Sustainable Development (GTSD - 2021) organized by Dharmsinh Desai University during 9-11 March 2021.
<ul style="list-style-type: none"> ▪ Seeta H. Singal, Vyomesh M. Parsana, “Isobaric Low-Pressure Vapour-Liquid Equilibria of a System Comprising a Green Solvent by Ebulliometry”, an International Conference on Green Technologies for Sustainable Development (GTSD - 2021) organized by Dharmsinh Desai University during 9-11 March 2021.
<ul style="list-style-type: none"> ▪ Hirvita P. Dave, Vyomesh M. Parsana, Mahinder Ramdin, “Isobaric Vapour-Liquid Equilibrium Data Estimation of a Binary System Comprising a Green Solvent 2-MeTHF and Formic acid for Sustainable Development”, Proceedings of National Symposium on Environmental Pollution Prevention and Control: Future Perspective (EPPC:FP-2019) Organized by Department of Chemical Engineering, National Institute of Technology Karnataka, Surathkal during 23-25 August 2019.
<ul style="list-style-type: none"> ▪ Vyomesh M. Parsana, Piyush M. Gadhiya, Sachin P. Parikh, “Isobaric Vapour-Liquid Equilibrium Data Estimation of CPME/Methanol System using Modified UNIFAC Dortmund Method”, Proceedings of 71st Annual Session of Indian Institute of Chemical Engineers (CHEMCON-2018), at NIT-Jalandhar, during 27-30 December 2018.
<ul style="list-style-type: none"> ▪ Vyomesh M. Parsana, Sachin P. Parikh, “Measurement and Correlation of Vapour-Liquid Equilibria for Cyclopentyl methyl ether + Acetic Acid at Atmospheric Pressure”, Proceedings of 6th Nirma University International Conference on Engineering (NUiCONE) 2017, during 23-25 November 2017. Mahajan, A. (Ed.), Modi, B. (Ed.), Patel, P. (Ed.). (2018). Technology Drivers: Engine for Growth. Taylor & Francis, CRC Press, London. ISBN: 9781138560420. https://doi.org/10.1201/9780203713143
<ul style="list-style-type: none"> ▪ Vyomesh M. Parsana, Sachin P. Parikh, “Isobaric Vapour-Liquid Equilibrium Data Prediction for a Binary System of 2-Methyltetrahydrofuran and Acetic acid using Group Contribution Methods”, Proceedings of the 1st International Conference on Research & Entrepreneurship, 5-6 Jan 2016, RK University, Rajkot, India, ISBN: 978-93-5254-061-7, pp. 1750-1764.
<ul style="list-style-type: none"> ▪ Vyomesh M. Parsana, “VDU in a Petroleum Refinery”, Proceedings of International Symposium & 59th Annual Session of IChE in association with International Partners(CHEMCON-2006), organized by Ankleshwar Regional Centre at GNFC Ltd. Bharuch during 27-30 December 2006.
<ul style="list-style-type: none"> ▪ Piyush B. Vanzara, Vyomesh M. Parsana, “Modeling and simulation of CSTR for manufacture of Propylene Glycol”, Proceedings of International Symposium & 58th Annual Session of IChE in association with International

Partners (**CHEMCON-2005**), at IIT- Delhi, during 14-17 December 2005.

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published NIL

Details of Books Nil

Project Carried out

GUJCOST (MRP Grant):Experimental Determination of Vapour-Liquid Equilibrium of Systems Comprising Green Solvents


PhD:Studies in Vapour-Liquid Equilibrium of Systems Involving Green Solvents

MTech:Simulation and Property Inferencing of Vacuum Distillation Unit in Haldia Refinery

BE:Production of Methyl Ethyl Ketone (MEK)

Patents	Filled		Granted	
		--		--

Chemical Engineering Department

Name of the Teaching Staff	Dr. Sushil S Korgaokar	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	20 September 2000	

Date of Birth	23 November 1967
----------------------	------------------

AICTE Unique id	1-448084753
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	--
	UG	B.Sc.(Chemistry)
	PG	M.Sc.(Chemistry)
	Ph.D.	Chemistry

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
25	----	3.5 Full Time	-----	-----


Area of Specialization	Organic Chemistry, Environment(water)
-------------------------------	---------------------------------------

Course taught at	
Level	Subject
Diploma Level	----
Post Diploma Level	----
Under Graduate Level	Chemistry, organic chemistry, Chemistry for bio technology, inorganic chemistry, physical chemistry, Environmental Studies
Post Graduate Level	-----
Post Graduate Diploma Level	-----

Research guidance (Number of Student)				
Master	Completed	-----	On-going	-----
Ph.D.	Completed	-----	On-going	-----

Research Publication				
List of Journal Papers				
Il Farmaco (Italy) *				
Indian Journal Of Heterocyclic Chemistry				
India Journal Of Pharmaceutical Science				
Journal Of Chemistry				
India Journal Of Chemistry				
Journal Of Institution Of Chemist				
J.India Chem. Sci.				
Oriental Journal Of Chemistry				
The Indian Journal Of Technical Education				
International Conference On Research & Entrepreneurship *				
Aip Conference Proceedings				
Proceedings Of International Conference ^{2*}				
Journal of Molecular Structure*				
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)				
No of Book Published			Nil	
Details of Books				
Nil				
Project Carried out			Nil	
Patents	Filled	--	Granted	01
Granted on 3/may/2022 363593-001				

Chemical Engineering Department

Name of the Teaching Staff	Dr. Darshana Tushar Bhatti	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	01/06/2009	

Date of Birth	27/11/1982
----------------------	------------

AICTE Unique id	1-448085319
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	Chemical Engineering
	PG ME/M.Tech	Environment Management
	Ph.D.	Chemical Engineering

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
15 years	0	2.5 years	0	9 months

Area of Specialization	Chemical Engineering
-------------------------------	----------------------

Course taught at	
Level	Subject
Diploma Level	Nil
Post Diploma Level	Nil
Under Graduate Level	Mass Transfer Operations, Chemical Reaction Engineering, Environmental science, Chemical Process Plant Design & Economics
Post Graduate Level	Advanced Reactor Design, Process safety management, Advanced Chemical Engineering Thermodynamics
Post Graduate Diploma Level	Not applicable

Research guidance (Number of Student)				
Master	Completed	7	On-going	--
Ph.D.	Completed	0	On-going	01

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	0	8	0	8

Research Publication

List of Journal Papers

- Potential of Ag-Fe Co-doped TiO₂ Nano Composite for Solar Photocatalysis of High COD Pharmaceutical Effluent and Influencing Factors, Springer journal- "Energy, Ecology and Environment", ISSN 2363-7692, Volume 5, Issue 3, June 2020
- Recyclable Ag-Fe codoped TiO₂ composite with enhanced solar photocatalytic activity for high strength COD pharmaceutical effluent treatment: kinetics, Scopus indexed journal- Current world environment, ISSN 0973-4929, Volume 15 Issue 1
- photocatalytic activity of various metallic and non metallic doped TiO₂ nano particles for treatment of pharmaceutical effluent, UGC approved journal Nano engineering and Applications, ISSN 2231-1777, Volume 8 Issue 2
- Evaluating Photo-Catalytic Application of TiO₂ Nano Particles Augmented With H₂O₂ for Mineralization of Pharmaceutical Effluent, international Journal of Metallurgy and Alloys, ISSN 2456, Volume 4 Issue 1
- A review on bacterially produced polyhydroxialkanoate, international journal of futuristic trends in engineering and technology, , ISSN 2348-4470
- Photocatalytic Degradation of Pharmaceutical Compounds Using Titanium Dioxide Nano Particles, International Journal of Advance Engineering and Research Development, 2348 – 4470, Volume 2, Issue 2
- Development of electro photo fenton technology for wastewater treatment, international journal of futuristic trends in engineering and technology, volume 5, issue 6, ISSN 2348-4071
- Green Hydrogen for Sustainable future , Journal of emerging technologies and innovative research, volume 10, issue 6, June 2023.

List of Conference Papers

- Evaluation of the Solar Photocatalytic Process using Ag-Fe doped TiO₂ Nanoparticles to treat the Pharmaceutical Wastewater by Response Surface Methodo, International conference at Symposium, IIT Gandhinagar on Nano science, engineering and applications.
- Integration of Ag doped TiO₂ Nano particles, carbon and TiO₂ nano particles in Solar Photo-Fenton Process for Pharmaceutical Effluent Treatment, at GTU Icon 2019
- Advanced Treatment of Pharmaceutical Waste Water By Homogeneous And Heterogeneous Photo-Fenton Technology, International Conference on "Paradigm shift in Chemical engineering education, processes and technology, institution of engineers organized by Institutes of engineers at Ahmedabad

- Evaluating Photo-Catalytic Application of TiO₂ Nano Particles Augmented With H₂O₂ for Mineralization of Pharmaceutical Effluent, International Conference on “Paradigm shift in Chemical engineering education, processes and technology
- Integration of Nano size TiO₂ assisted Photocatalytic Oxidation and Adsorption Process for Pharmaceutical Effluent Treatment at Chemcon 2016 organized by IlchE at Anna University, Chennai.
- A Review on Recent Advances and Applications of Photo Catalytic Degradation of Chemicals by TiO₂ Nanoparticles at Chemcon 2016 organized by IlchE at Anna University, Chennai.
- Use of Distiller Waste of Soda Ash Plant as an Adsorbent for treatment of Effluent from Dyes industries, 3rd agro asian international conference on science, engineering and technology organized by GEC, Bharuch
- Modified Solar Photo-Fenton process for Pharmaceutical waste water treatment Gujarat Cleaner Production Center - secured 2nd rank with Rs. 10000- cash prize.
- Recent Advancement in Novel Green Coagulants for water and wastewater treatment published at GTU ICON 2022 on September 2022.

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published	Nil
Details of Books	
	Nil


Project Carried out

Minor Research Project on "Photo Catalytic Degradation of Pharmaceutical Waste Water Using TiO₂ and Novel Doped TiO₂ Nano Particles" from Gujarat Council on Science & Technology (Honored by Hon. Vice Chancellor, GTU for this achievement) with grant of Rs. 1,90,000/- grant received in November 2015.

Research project ongoing on "Performance Evaluation of Novel Green Coagulants for Water Treatment and Modeling through Response Surface Optimization from Gujarat Council on Science & Technology STI policy with grant of Rs. 2,05,000/- grant received in April 2023 for two years work.

Patents	Filled	01	Granted	--
Nil				

Chemical Engineering Department

Name of the Teaching Staff	Jilesh Madusudan Pandya	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	01/08/2012	

Date of Birth	21/11/1983
----------------------	------------

AICTE Unique id	1 - 1448085371
------------------------	----------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	---
	UG BE/B.Tech	B. E (Chemical Engineering)
	PG ME/M.Tech	M. E. (Chemical Engineering)
	Ph.D.	Chemical Engineering (Pursuing)

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
14.4	-	-	-	-

Area of Specialization	Chemical Technology, Heat Transfer, Equipment Design
-------------------------------	--

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	Chemical Process Industries – I & II, Process Heat Transfer, Process Equipment Design – I & II, Mechanical Operations, Bioprocess Plant Design

Post Graduate Level	Advance Heat Transfer, Advance Equipment Design
Post Graduate Diploma Level	--

Research guidance (Number of Student)				
Master	Completed	04	On-going	--
Ph.D.	Completed	--	On-going	--
No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	02	07	03	01

Research Publication
List of Journal Papers
1. Jilesh M. Pandya; "Removal of Color from Paint Effluent Using Electro-Coagulation Technique" a paper published in Journal of Alternative and renewable energy sources, Vol 8 - Issue 01 (January to April 2022), https://doi.org/10.46610/JOARES.2023.v09i01.004 , page 42 - 48.
2. Jilesh M. Pandya; "An approach towards green technology for sustainable development to reduce pollution risk" a paper published in Journal of Alternative and renewable energy sources, Vol 9 - Issue 01 (January to April 2023), https://doi.org/10.46610/JOARES.2022.v08i01.005 , page 38 - 45.
3. Nisha Maheshwari & Jilesh M. Pandya; "A review on Carbon dioxide emission reduction in coal fired power plant" a paper published in International Journal of Futuristic Trends in Engineering and Technology (IJFTET), ISSN: 2348-5264 (Print), Vol 9 (07), 2021, page 1-6
4. Gurjar Bhaveshkumar N. & Jilesh M. Pandya; "Study on Metal Passivation Additive in R-FCC and Their Effects" a paper published in International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Volume 8, Issue 05, May 2019, page 875 – 879
5. Divyesh V. Akabari, Gaurang K. Ajani, Jilesh M. Pandya; "An automation and control methodology through model based predictive control (MBPC) for propylene maximization via fluid catalytic cracking (FCC) technology: A Review" a paper published in International Research Journal of Engineering & Technology (IRJET), ISSN: 2395-0056, Volume 5, Issue 9, September 2018, page 1199 – 1206.
6. Sumitra Kamariya & Jilesh Pandya, "Preparation and Characterization of Activated Carbon from Agricultural Waste, Peanut Shell by Chemical Activation" a paper published in International Journal of Trend in Research and Development (IJTRD), ISSN: 2394-9333, Volume 3, Issue 3, May – June 2016, page 138 – 141.
7. Jilesh M. Pandya & Linesh Patel, " Implementation of Cleaner Production Principles in Formaldehyde Production ", a paper published in International Journal of Modern Engineering Research (IJMER), ISSN: 2249-6645, Volume 2, Issue 3, May – June 2012, page: 1111 – 1118.
8. Jilesh M. Pandya & S. A. Puranik, " Implementation of Cleaner Production

Principles in Petrochemical Industries: Typical Case study for Acrylonitrile Production, a paper published in International Journal of Multidisciplinary Research & Advances in Engineering (IJMRAE), ISSN: 0975

9. Parmar D. P. and **Pandya J. M.** "**Short Path Distillation - The Unique Distillation Strategy**" a paper published in International Journal of Applied Engineering Research (IJAER), ISSN: 0973-4562, Volume 5, No 10 (2010), page: 2317 – 2324.

List of Conference Papers

1. Jilesh M. Pandya, "**Cleaner Production Assessment Study in Steel Industries**" a paper presented in "28th National Convention of Chemical Engineers and National Seminar" on "**Green Technology and Environmental Sustainability**" organized by The Institution of Engineers (India), Gujarat State Centre, Ahmedabad, 7-8 September 2012 and published in Seminar Proceedings.
2. Jilesh M. Pandya & S. A. Puranik, "**Implementation of Cleaner Production Principles in Petrochemical Industries**", a paper presented in All India Seminar on **Waste Minimization and Cleaner Productivity**, 28 - 29 August 2010, IE Gujarat State Centre, Ahmedabad and published in Seminar Proceedings.
3. Jilesh M. Pandya & S. A. Puranik, "**Cleaner Production approach in Cement Industries**", a paper presented in All India Seminar on **Waste Minimization and Cleaner Productivity**, 28 - 29 August 2010, IE Gujarat State Centre, Ahmedabad and published in Seminar Proceedings.
4. Jilesh M. Pandya & S. A. Puranik, "**Cleaner Production & Cleaner Technologies as remedial measures for Mitigating Climate Change**", a paper presented in International conference on Sunrise technologies, 13 -15th January 2011 and published in conference proceedings.

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published Nil

Details of Books

Nil

Project Carried out

Nil

Patents


Filled

--

Granted

--

Chemical Engineering Department

Name of the Teaching Staff	AJINKYA MUKUND PATWARDHAN		
Designation	Assistant Professor		
Appointment Type (Regular/Adhoc)	Regular		
Joining Date at Institute	Regular- 10/06/2015 Adhoc- 24/12/2013		
Date of Birth	30/04/1989		
AICTE Unique id	1-2190311097		
Education Qualifications (Mention all)	Degree	Branch	
	Diploma	NA	
	UG B.Tech	Chemical Engineering	
	PG M.Tech	Chemical Engineering	
	Ph.D.	-----	

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
9.5 years	---	---	---	---

Area of Specialization	Chemical Engineering
-------------------------------	----------------------

Course taught at	
Level	Subject
Diploma Level	----
Post Diploma Level	----
Under Graduate Level	1. Instrumentation and Process Control 2. Transport Phenomena 3. Fluid Flow Operations 4. Chemical Reaction Engineering-I 5. Chemical Reaction Engineering-II 6. Chemical Engineering Fundamentals-III
Post Graduate Level	1. Advanced Process Control 2. Advanced Transport Phenomena

Post Graduate Diploma Level	----
-----------------------------	------

Research guidance (Number of Student)				
Master	Completed	1	On-going	NIL
Ph.D.	Completed	NIL	On-going	NIL


No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	---	2	3	---

Research Publication
List of Journal Papers
<ol style="list-style-type: none"> 1. A. M. Patwardhan, S. P. Shirsat and S. D. Dawande, "Pressure Swing Distillation Simulation and Optimization," International Journal of Computer Applications, vol. 66, no. 10, p. 0975 8887, 2013, 2. S. P. Shirsat, A. M. Patwardhan and S. S. Kakade, "GHG Emissions and Energy Minimization using Heat," International Journal of Computer Applications, vol. 66, no. 19, p. 0975 8887, 2013.
List of Conference Papers
<ol style="list-style-type: none"> 1. A. M. Patwardhan, Dr. P. B. Vanzara, "Cyclic Voltammetry Studies for CO₂ electroreduction", Recent Advances in Chemical Engineering & Technology RACET-2023, UICT, North Maharashtra University, March 2023. 2. A. M. Patwardhan, Dr. P. B. Vanzara, "A Review on Valorization of CO₂ by Electrochemical Route", Second Virtual International Conference on Chemical Sciences in Sustainable Technology and Development, SVNIT, Surat, November 2021. 3. Ajinkya M. Patwardhan, Disha Hothi, Piyush B. Vanzara. " Electrochemical conversion of CO₂" Proceedings of a National Conference CHEMIX-2019 on Intra and inter-disciplinary blend of chemical engineering organized by Department of Chemical Engineering, VNIT- Nagpur, March 30-31, 2019.

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	NIL
Details of Books NIL	

Project Carried out				
NIL				
Patents	Filled	----	Granted	---
NIL				

Chemical Engineering Department

Name of the Teaching Staff	Khirsariya Priyank DineshBhai	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	15/09/2014	

Date of Birth	13/08/1991
----------------------	------------

AICTE Unique id	1-2376234496
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	----
	UG BE/B.Tech	Chemical Engineering
	PG ME/M.Tech	Chemical Engineering (Chemical Process and Plant Design)
	Ph.D.	----

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
9 Years	-	-	-	-

Area of Specialization	Chemical Process and Plant Design
-------------------------------	-----------------------------------

Course taught at	
Level	Subject
Diploma Level	----
Post Diploma Level	---
Under Graduate Level	Process Calculations, Fluid Flow Operation, Chemical Engineering Thermodynamics-I &II, Advance Separation Processes, Process Equipment Design, Chemical Reaction Engineering-II, Process Modeling, Simulation and Optimization,

	Computer Aided Process Synthesis, Green Technology and Sustainable Development
Post Graduate Level	Research Methodology, Advance Mass Transfer, Advance Reaction Engineering, Advance Separation Processes
Post Graduate Diploma Level	----

Research guidance (Number of Student)				
Master	Completed	02	On-going	----
Ph.D.	Completed	----	On-going	----

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	-	6	7	5

Research Publication
List of Journal Papers
<ul style="list-style-type: none"> Priyank Khirsariya, Rajubhai K. Mewada, "Single step oxidation of methane to methanol towards better understanding", Procedia Engineering, 51 (2013) 409-415, ISSN 18777058. (doi: 10.1016/j.proeng.2013.01.057) Priyank Khirsariya, Rajubhai K. Mewada, "Review of A Cyclohexane Oxidation Reaction Using Heterogenous Catalyst" International Journal of Engineering Development and Research 2 (2014) 3911-3914, ISSN: 2321-9939. Priyank D. Khirsariya Vyomesh M. Parsana, Piyush M. Gadhiya, "Phase Equilibrium Estimation of 2,2,4-Trimethylpentane /Benzene System Using Group Contribution Method", International Journal of Advance Engineering and Research Development, 5 (2018) 1418-1425. Megha Joshi, Vyomesh M. Parsana, Priyank Khirsariya, "Isobaric Vapour-Liquid Equilibrium Data Prediction of a Binary System Comprising a Green Solvent", International J. of Adv. Eng. and Res. Dev., e-ISSN: 2348-4470, p-ISSN: 2348-6406, 5 (4), 1439-42, (2018). RC Gajjar, SP Parikh, PD Khirsariya, "A review of greener aromatic/aliphatic separation using ionic liquids", Technology Drivers: Engine for Growth: Proceedings of the 6th Nirma University International Conference on Engineering (NUiCONE 2017), November 23-25, 2017, Ahmedabad, India. (https://doi.org/10.1201/9780203713143) Priyank Khirsariya, Vyomesh Parsana et.al., Isobaric Vapour-Liquid Equilibrium Data Prediction of a Binary System Comprising a Green Solvent, International Journal of Advance Engineering and Research Development 05 (2018) 1439-1442.

List of Conference Papers	
<ul style="list-style-type: none"> Priyank Khirsariya, Rajubhai K. Mewada, "Study of Cyclohexane oxidation reaction using heterogeneous catalysts", Presented in 4th Nirma university international conference on Engineering, NUiCONE-2013. 	
<ul style="list-style-type: none"> Priyank Khirsariya, Raju Mewada, Anand Upadhyay, "Cyclohexane oxidation using Ag-SBA-15", Presented in Chemcon-2013 held at Institute of Chemical technology-Mumbai. 	
<ul style="list-style-type: none"> Priyank Khirsariya, Rajubhai K. Mewada, "Review of Direct Hydroxylation of Benzene to Phenol and Its Thermodynamic Analysis", presented in 29th national convection of chemical engineers organized by The institute of engineers (India). 	
<ul style="list-style-type: none"> Priyank Khirsariya, Rajubhai K. Mewada, "Novel reactor design for cyclohexane oxidation reactions", Participated in the postgraduate category, technical paper presentation organized by Indian institute of chemical engineers at OYCE2014. 	
<ul style="list-style-type: none"> Rima Gajjar, Sachin Parikh, Priyank khirsariya, "Applications of ionic liquids in polymer science", presented in Seminar on Polymer processing, reclamation and its End of life impact on Environment organized by The institute of engineers (India), August 21-22, 2015. 	
<ul style="list-style-type: none"> Rima Gajjar, Priyank Khirsariya, Sachin Parikh, "Ionic Liquids for Aromatic/Aliphatic Extraction", Presented in international conference on paradigm shift in chemical Engineering Education, Process and Technology" organized by The institute of engineers (India), Sept 16-17, 2017. 	
<ul style="list-style-type: none"> Priyank Khirsariya, Payal Kachhadia, Pooja Shah, "Pyrolysis of waste tires to fuel oil", presented in 2nd International conference on Chemical Industry (ICCI) held at Pandit Deendayal Petroleum University, Gandhinagar during 30th -31st August-2017. 	
<ul style="list-style-type: none"> Priyank Khirsariya, Abhisek Sorthiya, et.al., "Study on Catalytic Pyrolysis of Waste Plastics into Fuels towards better National Economy and Swachh Bharat Mission" presented in National Symposium on Green Chemistry and Technology for sustainable development at G.H. Patel college of engineering & Technology, V.V. Nagar, January 18-19, 2020. 	
<ul style="list-style-type: none"> Priyank Khirsariya, Pooja Shah, Utilization of Solar Energy For Waste Water Treatment Using Photocatalyst, Presented in the National conference on Academia-Industrial interactions on Surfactants, Nanomaterials, Biosciences Environmental Remediation organized by School of science, P.P. Savani University, surat in association with society for Industrial chemistry, India on 9th Feb 2020. 	
<ul style="list-style-type: none"> Nikul Dave, Priyank Khirsariya, Vyomesh Parsana, Vapour-Liquid Equilibrium Data of 2-Methyl tetrahydrofuran/Acetic acid System at Sub-atmospheric Pressure, Presented in the International conference on Green Technologies for sustainable Development from 9th March-11th March 2021 at DDIT, Nadiad. 	
<ul style="list-style-type: none"> Priyank Khirsariya, Kedar Joshi, Vyomesh Parsana, Presented paper on A comparative Vapor – Liquid Equilibrium data for ethyl lactate-lactic acid system using Group contribution methods and simulator, under the Green Energy theme presented in 74th Annual Session of Indian institute of chemical engineers (CHEMCON-2021) organized in hybrid mode by CSIR-Institute of Minerals and Materials technology, Bhubaneswar from 26th 	

December -30th December 2021.
<ul style="list-style-type: none"> Priyank Khirsariya,Vyomesh Parsana Presented paper on “Review on Modeling and Experimental Measurement of Vapour-Liquid Equilibrium data of System Comprising Green Solvents”, presented in a national conference (ARTCHEM 2022) organized by Chemical Engineering Department, SCET, Surat on 22-23 December 2022.


No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	----
Details of Books	

Project Carried out
M Tech: Title: Kinetic study of cyclohexane oxidation reaction using heterogeneous catalyst Guide: Dr. R.K.Mewada Department of Chemical Engineering, Institute of Technology, Nirma University, Ahmedabad. Duration: One year

Patents	Filled	---	Granted	---
---------	--------	-----	---------	-----

V.V.P. ENGINEERING COLLEGE RAJKOT

Chemical Engineering Department

Name of the Teaching Staff	Pratik Kishorbhai Koradiya	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	23/07/2015	

Date of Birth	02/11/1991
----------------------	------------

AICTE Unique id	1-2679629389
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	NA
	UG BE/B.Tech	Chemical
	PG ME/M.Tech	Chemical
	Ph.D.	NA

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
8	0	0	0	0

Area of Specialization	Water treatment
-------------------------------	-----------------

Course taught at	
Level	Subject
Diploma Level	-
Post Diploma Level	-
Under Graduate Level	FFO,HT,MTO-I,NMCE,ET,MO,IPDC
Post Graduate Level	-
Post Graduate Diploma Level	-

Research guidance (Number of Student)				
Master	Completed	0	On-going	0
Ph.D.	Completed	0	On-going	0

No. Of papers published				
	National Journal	International Journal	National Conference	International Conference
	00	01	02	01

Research Publication
List of Journal Papers
1. Pratik Koradiy, Hiren D. Raval “Direct fertigation with brackish water by a forward osmosis system converting a domestic reverse osmosis module into a forward osmosis membrane element.” Desalination and Water Treatment,15740-15747,Taylor and Francis DOI: 10.1080/19443994.2015.1075432
List of Conference Papers
1. Pratik Koradiya, Jilesh Pandya “Production of Eco Friendly Polymers.”,presented a paper in All India seminar on Polymer Processing, Reclamation and Tts End of Life Impact on Environment, Organized by The institute of Engineer(India).
2. Pratik Koradiya, “Application of Forward Osmosis for Concentration of Organic Compounds” presented paper in International Conference on Emerging Trends & Contemporary practices 2022, organized by the Atmiya University,Rajkot in association with University of Miyazaki,Keck Graduate Institute, Lincoln University College.
3. Pratik Koradiya, “Generation of water from wastewater using solar energy”, presented a paper in National Conference on Recent Advances in Chemical Engineering towards Sustainable Future (RACES-2022), Organized by Department of Chemical Engineering,th th S. V. National Institute of Technology, Surat in association with ICT-IOC Bhubaneswar.
4. Pratik Koradiya, “Forward Osmosis an Emerging Technique for Oil-Water Separation”, presentes paper in National Conference on Advanced Research Techniques in Chemical Engineering (ARTCHEM 2022) organized by Department of Chemical Engineering of Sarvajanic College of Engineering & Technology, Surat in association with with IChE student chapter.


No. Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	00
Details of Books	

Project Carried out
M.E Title: “Application of Forward Osmosis for Effluent Treatment(Triton-x-100) and Concentration of Organic Compound” CSIR-CSMCRI (Central Salt & Marine Chemical Research Institute),Bhavnagar Duration- One year

Patents	Filled	00	Granted	00
----------------	---------------	-----------	----------------	-----------

V.V.P. ENGINEERING COLLEGE, RAJKOT

Chemical Engineering Department

Name of the Teaching Staff	Rahul Gautam Vaidya	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	05/12/2019	

Date of Birth	28/09/1988
----------------------	------------

AICTE Unique id	1-7562239598
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	B.Tech in Chemical Engineering
	PG ME/M.Tech	M.Tech in Chemical Engineering
	Ph.D.	NA

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
4 years	2 years 10 months	0	2 years 9 months	0

Area of Specialization	Surfactants, Process modelling simulation and optimization, Chemical reaction Engineering, Mechanical Operations and Energy Audit
-------------------------------	---

Course taught at	
Level	Subject
Diploma Level	Process Heat Transfer, Mass Transfer-I, Chemical Reaction Engineering, Industrial Stoichiometry, Chemical Process Technology-I, Mechanical Operations, Mass Transfer-II
Post Diploma Level	-

Under Graduate Level	Transport Phenomena, Process Modelling Simulation and Optimization, Computer Aided Process Synthesis, Chemical Reaction Engineering-II, NanoScience and Technology, Mechanical Operations, Interpersonality development course, Chemical Engineering Thermodynamics-II, Plant Design and Project Engineering, Indian Constitution, Pollution Control and Safety Management, Energy Technology, Solid Waste Management.
Post Graduate Level	NA
Post Graduate Diploma Level	NA

Research guidance (Number of Student)				
Master	Completed	---	On-going	NA
Ph.D.	Completed	---	On-going	NA

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	-	1	-	-


Research Publication
List of Journal Papers
Journal of Emerging Technologies and Innovative Research
List of Conference Papers
NA

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	NA
Details of Books	

Project Carried out
NA

Patents	Filled	NA	Granted	NA
---------	--------	----	---------	----

Chemical Engineering Department

Name of the Teaching Staff	Mrs. Dhara Upadhyay	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	8/2/2022	

Date of Birth	09/01/1986
----------------------	------------

AICTE Unique id	--
------------------------	----

Education Qualifications (Mention all)	Degree	Branch
	Diploma	N.A
	UG BE/B.Tech	Chemical engineering
	PG ME/M.Tech	Chemical Engineering
	Ph.D.	N.A

Work Experience (in year):				
Teaching Degree	Teaching Diploma	Research	Industry	Other
5 years				

Area of Specialization	Polymer
-------------------------------	---------

Course taught at	
Level	Subject
Diploma Level	
Post Diploma Level	
Under Graduate Level	Fluid flow operations, Heat transfer
Post Graduate Level	
Post Graduate Diploma Level	

Research guidance (Number of Student)				
Master	Completed	N.A	On-going	N.A
Ph.D.	Completed	N.A	On-going	N.A

No. of papers published :11				
	National Journal	International Journal	National Conference	International Conference
	2	2	2	


Research Publication
List of Journal Papers :
1. Short Path distillation-A unique separation strategy
2. Advancements in prefilled syringes

List of Conference Papers: N.A

No. of Books Chapter published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Chapter Published	N.A
Details of Books	Nil
Project Carried out	Nil

Patents	Filled		Granted	
----------------	---------------	--	----------------	--

Information Technology Department

Name of the Teaching Staff	Dr.Darshana H. Patel	
Designation	Assistant Professor &I/c. HOD	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	01/07/2008	

Date of Birth	17 th January, 1986
----------------------	--------------------------------

AICTE Unique id	1-448085399
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	--
	UG BE/B.Tech	Information Technology
	PG ME/M.Tech	Computer Engineering
	Ph.D.	Computer Engineering

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
16 Years	0	0	0	0

Area of Specialization	Data Science, Machine Learning, Algorithms
-------------------------------	--

Course taught at	
Level	Subject
Diploma Level	-----
Post Diploma Level	-----
Under Graduate Level	Computer Programing & Utilization Computer organization & Architecture Data Structure, Algorithm Analysis & Design, Data Warehousing & Data Mining Computer Graphics Computer and Network Security

	Data Compression Modelling Simulation & Operation Research Data mining & Business Intelligence Applied Machine Learning Pattern Recognition Artificial Intelligence Advance Computer Network Operating System Distributed Database Application and System, Software Engineering
Post Graduate Level	Advanced Data Structure Computer vision Research skills Computer Algorithm
Post Graduate Diploma Level	-----

Research guidance (Number of Student)

Master	Completed	7	On-going	-----
Ph.D.	Completed	0	On-going	-----2

No. of papers published

	National Journal	International Journal	National Conference	International Conference
	1	6	1	12

Research Publication

List of Journal Papers

1. Privacy-Preserving Data Publishing through Anonymization
2. Privacy Preservation of Class Association rules and its optimization by optimization by utilizing genetic algorithm
3. Technique for Optimization of Association Rule Mining by Utilizing Genetic Algorithm
4. Extraction Of Analysed Data Set By Using Illustration Nominator.
5. Agronomy data mining forecast extraction by plotted data stream fractal clustering on live geo map.
6. Survey on Privacy Preserving Data Mining Techniques
7. Privacy Preserving association rule mining considering multi objectives through an evolutionary algorithm.
8. Forecasting COVID 19 cases on radiological images using deep learning and VGG model.
9. Image colorization using CNN
10. Credit Card Fraud Detection using applied machine learning.


List of Conference Papers	
11.	A Comprehensive Review and Efficient Implementation of Privacy-Preserving Associative Classification
12.	Privacy-Preserving Data Mining: An Active Research Area
13.	A comprehensive review of privacy-preserving associative classification
14.	Privacy Protection of Class Association Rules produced by medical datasets
15.	Review of Medical Image Classification Techniques
16.	A Comprehensive Study on Optimization of Associative Classification
17.	Analysing Distribution of Copyrighted Files by Tracking Bit Torrent Network
18.	Privacy-Preserving Associative Classification: A Comprehensive Analysis & Empirical Evaluation
19.	Imbalanced Data Stream Classification: Analysis and Solution
20.	Privacy Preserving Data Mining: A Parametric Analysis
21.	Maintenance of Topology using Clustering Approach in an Adhoc Networks
22.	An Image Segmentation using Fuzzy C-Means Clustering
23.	Agronomy prediction by stream fractal clustering on geo map in real-time.
24.	Advancement in agronomy using machine learning approach.

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	1
Details of Books:	Applied Machine Learning,
Technical Publications with ISBN – (978-93-90770-38-0) , August-2021	

Project Carried out: -----

Patents	Filled	0	Granted	0
---------	--------	---	---------	---

Information Technology Department

Name of the Teaching Staff	Dr. KOMIL BHARATKUMAR VORA	
Designation	ASSISTANT PROFESSOR	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	02-01-2012	

Date of Birth	01-06-1984
----------------------	------------

AICTE Unique id	1476209965
------------------------	------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	BE -Information Technology
	PG ME/M.Tech	MS – Computer Science
	Ph.D.	Computer Engineering

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
11	Nil	Nil	6	Nil

Area of Specialization	Artificial Intelligence
-------------------------------	-------------------------

Course taught at	
Level	Subject
Diploma Level	Nil
Post Diploma Level	Nil
Under Graduate Level	1 Data Structure 2 Mobile Computing 3 Programming for Problem Solving 4 Database Management System 5 Integrated Personality Development Course 6 Indian Constitution

Post Graduate Level	1 Artificial Intelligence 2 Soft Computing
Post Graduate Diploma Level	

Research guidance (Number of Student)				
Master	Completed	3	On-going	Nil
Ph.D.	Completed	Nil	On-going	Nil
No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	1	7		3


Research Publication
List of Journal Papers
1. CUSTOM NAMED ENTITY RECOGNITION FOR GUJARATI TEXT USING HIDDEN MARKOV MODEL , JOURNAL OF EAST CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY , 1006-3080
2. Custom Named Entity Recognition for Gujarati Text Using Spacy , Mathematical Statistician and Engineering Applications , 2326-9865
3. A survey on Integration of Internet of Things along with Cloud Computing and Artificial Intelligence for smart applications. , Journal of Emerging Technologies and Innovative Research (JETIR) , 2349-5162
4. Design and Implementation of OCR to identify English Characters and Numbers , International Journal of Scientific Research in Science, Engineering and Technology , 2395-1990
5. Research Trends in Web and Web Usage Mining , International Journal of Scientific Research in Science, Engineering and Technology , 2394-4099
6. Deploy Redundancy of Internet using First Hop Redundancy Protocol and Monitoring it using IP Service Level Agreements (IPSLA) , International Journal of Engineering Science and Computing , 2321 3361
7. GSM based Remote Monitoring of Waste Gas with the Implementation of MODBUS Protocol and GPS , STM Journals , 2393-8757
8. MPLS VPN using VRF (Virtual Routing and Forwarding) , International Journal of Advance Research, Ideas and Innovations in Technology , 2454-132X
List of Conference Papers
1. Text Classification of Gujarati News Headlines Using Machine Learning , NEUROQUANTOLOGY , 1303-5150
2. Summarizing Animal Video using pre-trained Alexnet and Deep Learning , International Conference on Advancements in Computing & Management ,
3. Named Entity Recognition and Classification for Gujarati Language , Intl. Conference on Advances in Computing, Communications and Informatics , 978-1-5090-2028-7/16

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	Nil
Details of Books	

Project Carried out
Nil

Patents	Filled	Nil	Granted	Nil

Information Technology Department

Name of the Teaching Staff	DarshanUpadhyay	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	16-07-2012	

Date of Birth	07-01-1987
----------------------	------------

AICTE Unique id	1-476209983
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	B.E. (I.T.)
	PG ME/M.Tech	M.E. (I.T.)
	Ph.D.	Ph.D. (C.E./I.T.) Pursuing

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
14.6 years	-	-	0.6 Years	-

Area of Specialization	Cloud Computing
-------------------------------	-----------------

Course taught at	
Level	Subject

Diploma Level	----
Post Diploma Level	---
Under Graduate Level	C language, Data Structure, Business Information System, Computer Network, Integrated Personality Development Course, Operating System, Information and Network Security, Advanced Computer Network, Data Compression and Data Retrieval, Advanced Computer Network, Software Engineering
Post Graduate Level	Digital Forensic, Cloud Computing
Post Graduate Diploma Level	----

Research guidance (Number of Student)				
Master	Completed	10	On-going	0
Ph.D.	Completed	0	On-going	0

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	0	7	3	3

Research Publication	
List of Journal Papers	
1.	Scheduler in cloud computing in open source technologies
2.	MPLS VPN USING VRF(VIRTUAL ROUTING AND FORWARDING)
3.	Survey on RDF Graph by Using Indexing Approach in Big Data
4.	A Survey on Cognitive Storage by using data popularity in Big Data
5.	A Survey on Big RDF Graph by using Indexing Approaches in Big Data
6.	Review: Different approaches for Outlier Detection in Data Stream Mining
7.	Review outlier detection using cluster based technology in data stream
List of Conference Papers	
8.	Critical Analysis of cryptography and stenography
9.	Analysing Distribution of Copyrighted Files by Tracking BitTorrent Network
10.	Service level agreements and its impact on cloud computing
11.	Private cloud using open source technologies
12.	SLA- an Asset for better Cloud Services
13.	Automatic Summary Generator Using Nlp Based Harvested Metadata From Digital Content

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published

NIL

Details of Books : - -

Project Carried out : - -

Patents

Filled


NIL

Granted

NIL

V.V.P. ENGINEERING COLLEGE, RAJKOT

Information Technology Department

Name of the Teaching Staff	Vyas Vijay Kumar Kishorbhai	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	27-01-2014	

Date of Birth	05-10-1983
----------------------	------------

AICTE Unique id	1-2188343666
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	---
	UG BE/B.Tech	BE IT
	PG ME/M.Tech	Mtech IT
	Ph.D.	Pursuing

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
9.7	--	--	--	--

Area of Specialization	IOT, Networking, Blockchain.
-------------------------------	------------------------------

Course taught at	
Level	Subject
Diploma Level	---
Post Diploma Level	---
Under Graduate Level	CPU, Computer Network, COA, Software engineering, Bigdata analytics, IoT, Blockchain.
Post Graduate Level	---
Post Graduate Diploma Level	---

Research guidance (Number of Student)				
Master	Completed	2	On-going	√
Ph.D.	Completed	--	On-going	---

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	--	6	---	---


Research Publication
List of Journal Papers:
1. Topology management using clustering in adhoc network, International J. of Research & Innovation in Computer Engineering Volume 2, Issue 4, July.2017.
2. Automatic Summary Generator Using NLP Based Harvested Metadata From Digital Content, International Journal of Information Security and Software Engineering, Volume-4, Issue-2, 2018.
3. Automatic Meta Data Extraction from Satellite Image Using CT (Colour, Texture), International Journal for Scientific Research & Development, Volume 8, Aug, 2021.
4. Privacy Enabling Emotion Estimation using ML, Journal of Engineering Technologies and Innovative Research, Volume-8, Issue-4. April-2021.
5. Review: Different approaches for Outlier Detection in Data Stream Mining, Volume-8, Issue-4. April 2022.
6. Review outlier detection using cluster based technology in data stream, Volume-7, March 2023.
List of Conference Papers:

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	01
Details of Books:	
Book Name: Blockchain Technology, ISBN:978-93-90770-35-9 Year-2021	

Project Carried out : --

Patents	Filled	--	Granted	--
----------------	---------------	----	----------------	----

INFORMATION TECHNOLOGY DEPARTMENT

Name of the Teaching Staff	DISHITA VISHVAJIT MASHRU	
Designation	AD-HOC ASSISTANT PROFESSOR	
Appointment Type (Regular/Adhoc)	AD-HOC	
Joining Date at Institute	17/06/2020	

Date of Birth	02/10/1993
----------------------	------------

AICTE Unique id	1-9314431661
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	---
	UG BE/B.Tech	BE – COMPUTER ENGINEERING
	PG ME/M.Tech	ME- COMPUTER ENGINEERING
	Ph.D.	Pursuing

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
5	0	0	6 MONTHS	---

Area of Specialization	DEEP LEARNING
-------------------------------	---------------

Course taught at	
Level	Subject
Diploma Level	----
Post Diploma Level	---
Under Graduate Level	Java, Analysis And Design Of Algorithm, Mobile Computing And Wireless Communication, Mobile Application Development, Applied Machine Learning, Software Project Management, Data

	Structures
Post Graduate Level	----
Post Graduate Diploma Level	----

Research guidance (Number of Student)				
Master	Completed	---	On-going	---
Ph.D.	Completed	---	On-going	---

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	0	1	0	3


Research Publication
List of Journal Papers
1. Literature review on measuring the energy consumption and utilization in commercial devices using sensors
2. A survey on Integration of Internet of Things along with cloud computing and Artificial Intelligence for Smart Applications
3. Image colorization using CNN
4. Credit Card fraud detection using applied machine learning
List of Conference Papers
1. TVAKSHAS - An Energy Consumption and Utilization Measuring System for Green Computing Environment
2. Detection of a Drowsy state of the Driver on road using wearable sensors: A survey
3. Review on Video summarization using Deep Learning

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)
No of Book Published 3
Details of Books: <i>Applied Machine Learning, Technical Publications, August 2021, ISBN: 978-93-90770-38-0</i> <i>Data Compression, Technical Publications; October 2021, ISBN: 978-93-91567-15-6</i> <i>Soft Computing Techniques; technical Publications, January 2022, ISBN: 978-93-91567-27-9</i>

Project Carried out : --

Patents	Filled	---	Granted	--
----------------	---------------	-----	----------------	----

Information Technology Department

Name of the Teaching Staff	Aditiba Karanra Jadeja	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	22/02/2022	

Date of Birth	30/04/1995
----------------------	------------

AICTE Unique id	1-7499935301
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	--
	UG BE/B.Tech	BE (Computer Engineering)
	PG ME/M.Tech	M.Tech (Computer Engineering)
	Ph.D.	--

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
1 year	2 years	--	--	--

Area of Specialization	Image Processing
-------------------------------	------------------

Course taught at	
Level	Subject
Diploma Level	Computer Networks, Network Security, Network Management and Administration.
Post Diploma Level	
Under Graduate Level	Cloud Computing, Database management system, Internet Of Things.
Post Graduate Level	--
Post Graduate Diploma Level	--

Research guidance (Number of Student)				
Master	Completed	--	On-going	--
Ph.D.	Completed	--	On-going	--

No. of papers published				
2	National Journal	International Journal	National Conference	International Conference
	--	2	--	--


Research Publication				
List of Journal Papers				
1. International Journal for Scientific Research & Development Vol 6, Issue 01,2018,ISSN(Online): 2321-0631				
2. International Journal for Scientific Research & Development Vol 6, Issue 03,2018,ISSN(Online): 2321-0613				
List of Conference Papers				
Nil				

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	Nil
Details of Books	Nil

Project Carried out	
Nil	

Patents	Filled	--	Granted	--
---------	--------	----	---------	----

Information Technology Department

Name of the Teaching Staff	CHAUHAN PRASHANT VIJAYBHAI	
Designation	Assistant Professor (I.T.)	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	28-02-2022	

Date of Birth	20-02-1992
----------------------	------------

AICTE Unique id	1-2708896484
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	--
	UG BE/B.Tech	Information Technology
	PG ME/M.Tech	Computer Engineering
	Ph.D.	--

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
1 Year-	7 Years	--	--	--

Area of Specialization	DATA MINING, DATA STREAM MINING
-------------------------------	---------------------------------

Course taught at	
Level	Subject
Diploma Level	1 Computer Programming-C 2 Advance Computer Programming 3 Programming in C++ 4 Data Structure 5 Database Management System 6 Advance Database Management System 7 Computer Network 8 VB.NET 9 Computer Network Security
Post Diploma Level	--
Under Graduate Level	1 Programming for Problem Solving 2 Computer Organization & Architecture 3 Database Management System

	4 Indian Constitution
Post Graduate Level	--
Post Graduate Diploma Level	--

Research guidance (Number of Student)				
Master	Completed	--	On-going	--
Ph.D.	Completed	--	On-going	--

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	--	2	--	2


Research Publication	
List of Journal Papers	2
1. Prashant V Chauhan, Vijay K. Vyas, Darshan P. Upadhyay, "Review: Different approaches for Outlier Detection in Data Stream Mining." In International Journal of Scientific Research in Engineering and Management (IJSREM) Vol-06, Issue-04, April – 2022.	
2. Prashant V Chauhan, Vijay K. Vyas, Darshan P. Upadhyay, "Review: Outlier Detection using Clustering Based Techniques in Data Stream." In International Journal of Scientific Research in Engineering and Management (IJSREM) Vol-07, Issue-03, Mar – 2023	
List of Conference Papers	
1. Chauhan Prashant, and Madhu Shukla. "A review on outlier detection techniques on data stream by using different approaches of K-Means algorithm." In Computer Engineering and Applications (ICACEA), 2015 International Conference on Advances in, pp. 580-585. IEEE, 2015.	
2. ShuklaMadhu, Y. P. Kosta, and PrashantChauhan. "Analysis and evaluation of outlier detection algorithms in data streams." In Computer, Communication and Control (IC4), 2015 International Conference on, pp. 1-8. IEEE, 2015.	

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	Nil
Details of Books	Nil

Project Carried out	Nil
----------------------------	-----

Patents	Filled	--	Granted	--
----------------	---------------	----	----------------	----

Information Technology Department

Name of the Teaching Staff	Miss Jadeja Hetvi Chandrajitsinh	
Designation	Assistant Professor (I.T.)	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	18-05-2023	

Date of Birth	13-05-1997
----------------------	------------

AICTE Unique id	1-11295060951
------------------------	---------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	-
	UG BE/B.Tech	Information Technology
	PG ME/M.Tech	Computer Engineering(Cyber Security)
	Ph.D.	--

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
1.6	--	--	--	--

Area of Specialization	Data Science, Machine Learning, Cyber Security
-------------------------------	--

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	Python for Data Science, Machine Learning, Cyber Security, Data Structure, COA
Post Graduate Level	--
Post Graduate Diploma Level	--

Research guidance (Number of Student)				
Master	Completed	1	On-going	--
Ph.D.	Completed	--	On-going	--

No. of papers published

	National Journal	International Journal	National Conference	International Conference
		1		

Research Publication

1. Development of Multiclass Malware Classification Model having Improved Predictive Accuracy with the use of Deep Learning Mechanism.

List of Conference Papers

- 1.
- 2.

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)


No of Book Published ~

Details of Books ~

Project Carried out -

Patents -	Filled	-	Granted	-
-----------	--------	---	---------	---

Information Technology Department

Name of the Teaching Staff	Davda Yatri Nitinbhai	
Designation	Adhoc Assistant Professor	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	01-06-2023	

Date of Birth	03/11/1997
----------------------	------------

AICTE Unique id	1-43552397821
------------------------	---------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	B.E.(IT)
	PG ME/M.Tech	M.Tech.(CSE)
	Ph.D.	

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
2 years		11 months		

Area of Specialization	cryptography and blockchain
-------------------------------	-----------------------------

Course taught at	
Level	Subject
Diploma Level	
Post Diploma Level	
Under Graduate Level	DS, ADA, DBMS, OS, ToC
Post Graduate Level	ADS, MFCS
Post Graduate Diploma Level	

Research guidance (Number of Student)				
Master	Completed	12	On-going	--
Ph.D.	Completed	--	On-going	--

No. of papers published				
	National Journal	International Journal	National Conference	International Conference


Research Publication
List of Conference Papers
1.
2.

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	2
Details of Books	
1. Blockchain Applications in cryptocurrency for Technological Evolution (ISBN: 9781668462478)	
2. Government Impact on Sustainable and Responsible Supply Chain Management (ISBN: 9781668490624)	

Project Carried out

Patents	Filled		Granted	
---------	--------	--	---------	--

Computer Engineering Department

Name of the Teaching Staff	Dr. TEJAS PRATAPRAI PATALIA	
Designation	Professor & HOD	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	01-07-2003	

Date of Birth	14-07-1978
----------------------	------------

AICTE Unique id	1448085473
------------------------	------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	Diploma in Computer Engineering
	UG BE/B.Tech	BE- Computer Engineering
	PG ME/M.Tech	ME- Computer Engineering
	Ph.D.	Ph.D. – Computer Science and Engineering

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
18	NIL	NIL	NIL	NIL

Area of Specialization	Genetic Algorithm, Computer Networks, Network Security
-------------------------------	--

Course taught at	
Level	Subject
Diploma Level	Nil
Post Diploma Level	Nil
Under Graduate Level	7 Computer Networks 8 Operating System 9 Artificial Intelligence

	10 Information and Network Security 11 Computer Organization and architecture 12 Programming for Problem Solving,
Post Graduate Level	3 Research Methodology 4 Constitution of India
Post Graduate Diploma Level	NIL

Research guidance (Number of Student)

Master	Completed	8	On-going	0
Ph.D.	Completed	2	On-going	5

No. of papers published

	National Journal	International Journal	National Conference	International Conference
	0	26		

Research Publication

List of Journal Papers

- 1 Species and variety classification of Leaves from Images,7-2017, IJCSNS International Journal of Computer Science and Network Security.
- 2 MEAL Based Routing in WSN,5-2016, 2190-3018, Springer International Publishing Switzerland.
- 3 Trust Appraisal Based Neighbour Defense Secure Routing to Mitigate Various Attacks in Most Vulnerable Wireless Ad hoc Network,7-2016, 2190-3018, Springer International Publishing Switzerland.
- 4 A New Approach to Mitigate Jamming Attack in Wireless Adhoc Network Using ARC Technique,1-2018, 1867-8211, ICST Institute for Computer Sciences, Social Informatics and Telecommunications Engineering.
- 5 Neural Network Based Indian Folk Dance Song Classification Using MFCC and LPC,6-2017, International Journal of Intelligent Engineering and Systems.
- 6 Indian Monuments Classification Using Support Vector Machine,11-2017, International Journal of Electrical and Computer Engineering.
- 7 Content Based Image Classification in Agriculture Industry,8-2016, International Journal of Control Theory and Applications.
- 8 A Survey on Recent Trends in Environment Monitoring Based on IoT Application,3-2018, IJSRD - International Journal for Scientific Research & Development|.
- 9 A Survey on Multicast Reliability Issue of IoT based Routing Protocol,3-2018, IJSRD - International Journal for Scientific Research & Development.
- 10 Fundamental Survey of Map Reduce in Bigdata with Hadoop Environment,10-2018, Springer Nature Singapore Pte Ltd.
- 11 Genetic Programming Evolved Spatial Descriptor for Indian Monuments

- Classification,1-2015, IEEE International Conference on Computer Graphics, Vision and Information Security.
- 12 Implementation of Trilateration Based Localization Approach for Tree Monitoring in IoT,4-2019, ICST Institute for Computer Sciences, Social Informatics and Telecommunications Engineering.
 - 13 Behavioral Analysis of Genetic Algorithm for Function Optimization,1-2010, IEEE.
 - 14 Design of Genetic Algorithm for Knapsack Problem to perform Stock Portfolio Selection Using Financial Indicators,1-2011, International Conference on Computational Intelligence and Communication Systems.
 - 15 Study of Basic Functionality for Information Retrieval in Large Scale Data Big Data,2-2018,2320-7868, 2320-7868, International Journal of Modern Computer Science (IJMCS), 6, 1, 7-10.
 - 16 A Survey on Recommendation System for Bigdata using MapReduce Technology,3-2019,978-1-5386-7808-4 IEEE Proceedings of the Third International Conference on Computing Methodologies and Communication (ICCMC 2019).
 - 17 Comparative Analysis of Threshold Acceptance Algorithm, Simulated Annealing Algorithm and Genetic Algorithm for Function Optimization,3-2012, 2249-4596, Global Journal of researches in engineering Numerical Methods, 12, 1.
 - 18 Content-based high-resolution satellite image classification,8-2019, Springer International Journal of Information Technology, 11, 0, 127-140.
 - 19 MapReduce Foundation of Big Data With Hadoop Environment,11-2018, SSRN.
 - 20 Analysis Of QOS Enabled Mpls Vpn Voip Network With RIPV2 Routing Protocol,10-2010,0975-6760 JOURNAL OF INFORMATION, KNOWLEDGE AND RESEARCH IN COMPUTER ENGINEERING, 2, 2, 440.
 - 21 Computer Vision Systems for Content-based Image Classification,12-2019,, 2310-5070, STATISTICS, OPTIMIZATION AND INFORMATION COMPUTING , 840-853.
 - 22 A Comparison of Overlapping Community Detection in Large Complex Network,3-2019, IEEE.
 - 23 Community Detection Methods and Tools for Various Complex Network,6-2020,0974-3154 International Journal of Engineering Research and Technology, 13.
 - 24 SearchAutomaton: Searching mechanism for multi-format data by combining indexing tools and techniques,8-2016,978-1-4503-4213-1 ACM.
 - 25 PostBox Message Service for multibeam mobile satellite service over S band,5-2016, 2319-7323, International Journal of Computer Science Engineering.
 - 26 Review on Evolutionary Change and Expressiveness in Lyrics of Indian Filmy Songs with Natural Language Processing,5-2021, 2349-5162, JETIR, 8, 5, 705-711.

List of Conference Papers

Nil


No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	Nil
Details of Books	Nil

Project Carried out
ERP – College In House Software Implementation using Open Source.

Patents	Filled	Nil	Granted	Nil

V.V.P. ENGINEERING COLLEGE, RAJKOT

Computer Engineering Department

Name of the Teaching Staff	Mr. DIPESH PANKAJBHAI JOSHI	
Designation	ASSISTANT PROFESSOR	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	15/09/2011	

Date of Birth	28-02-1990
----------------------	------------

AICTE Unique id	2298921689
------------------------	------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	Nil
	UG BE/B.Tech	BE - Computer Engineering
	PG ME/M.Tech	ME - Computer Engineering
	Ph.D.	Pursuing - Computer Engineering

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
8	Nil	Nil	4	Nil

Area of Specialization	
-------------------------------	--

Course taught at	
Level	Subject
Diploma Level	Nil
Post Diploma Level	Nil
Under Graduate Level	1 Web Technology 2 Mobile Computing and Wireless Communication 3 Python with Data Science 4 .Net Technology 5 Software Engineering 6 Computer Graphics 7 Data Mining & Business Intelligence

Post Graduate Level	1 Software Security Design 2 Machine Learning 3 Research Methodology
Post Graduate Diploma Level	Nil

Research guidance (Number of Student)

Master	Completed	Nil	On-going	Nil
Ph.D.	Completed	Nil	On-going	Nil

No. of papers published

	National Journal	International Journal	National Conference	International Conference
	0	6		

Research Publication
List of Journal Papers

- 1 Techniques of Query Reformation in Information Retrieval,4-2013, 0975 – 6760, JOURNAL OF INFORMATION, KNOWLEDGE AND RESEARCH IN COMPUTER ENGINEERING, 2, 2, 418-420.
- 2 A Comprehensive Analysis of Social Network Mining,12-2013, 2249-6831, International Journal of Computer Science Engineering and Information Technology Research, 3, 5, 147-152.
- 3 Greedy incremental Approach for Unfolding of Communities in Massive Networks,9-2017, 1947-5500, International Journal of Computer Science and Information Security, 15, 9, 257-262.
- 4 An Adaptive Approximation Algorithm for Community Detection in Social Network,2-2015,978-1-4799-6023-1/15, International Conference on Computational Intelligence & Communication Technology.
- 5 Community Detection Methods and Tools for Various Complex Network,6-2020, 0974-3154, International Journal of Engineering Research and Technology, 13, 6, 1386-1390.
- 6 A Study on Community Detection Based on Seed Nodes over Social Network,12-2016, 2320-9801, International Journal of Innovative Research in Computer and Communication Engineering, 4, 12, 20766.

List of Conference Papers - Nil

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published Nil

Details of Books


Nil

Project Carried out

ERP – College In House Software Development.

Patents	Filled	Nil	Granted	Nil

Computer Engineering Department

Name of the Teaching Staff	Dr. MAULIK VIPINCHANDRA DHAMECHA	
Designation	ASSISTANT PROFESSOR	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	15-09-2010	

Date of Birth	22-07-1985
----------------------	------------

AICTE Unique id	2910869697
------------------------	------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	BE- Computer Engineering
	PG ME/M.Tech	ME- Computer Engineering
	Ph.D.	Ph. D. Computer / IT Engineering

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
11	Nil	Nil	3	Nil

Area of Specialization	Big Data Analytics, Data Mining
-------------------------------	---------------------------------

Course taught at	
Level	Subject
Diploma Level	Nil
Post Diploma Level	Nil
Under Graduate Level	1 Big Data Analytics 2 Data Mining

	3 Distributed System 4 Artificial Intelligence 5 System Programming
Post Graduate Level	1 Soft Computing 2 Distributed System
Post Graduate Diploma Level	Nil

Research guidance (Number of Student)				
Master	Completed	15	On-going	1
Ph.D.	Completed	Nil	On-going	Nil

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	1	23	--	--

Research Publication
List of Journal Papers
<ol style="list-style-type: none"> 1 Comprehensive Study of Hierarchical Clustering Algorithm and Comparison with Different Clustering Algorithms,1-2011, 0974 – 9578, CIIT. 2 Point based Rendering,7-2011, 2231-2390, KITE. 3 Job Scheduling Based on Reliability, Time and Cost Constraints under Grid Environment,12-2012,978-1-4577-2169-4, IEEE. 4 Comprehensive study of modified artificial neural network algorithm and compare efficiency and performance with basic algorithm of Neural Network in D,3-2012, 2249-3905, ICCIEMI. 5 Comprehensive study of Ant Colonies for the Traveling Salesman Problem and compare efficiency and performance with basic algorithm,3-2012, 2249-3905, ICCIEMI. 6 A Survey on Community Detection in Weighted Social Network,2-2014, 2321 – 7782, ijarcsm. 7 Outlier Analysis Using Frequent Pattern Mining (LOF Algorithm),6-2014, 2321-9939, IJEDR. 8 Survey of Clustering Algorithms,7-2014, 2321 – 7782, ijarcsm. 9 A SURVEY ON ENHANCING AGGLOMERATIVE HIERARCHICAL TECHNIQUES,11-2014, 2348 – 4470, IJAERD. 10 "An Insight of Various Techniques of Privacy Preserving Data Mining",1-2015, 2348-5523, IJARCE. 11 A Survey for Different Approaches of Outlier Detection in Data Mining,1-2015, IEEE. 12 An Enhance Approach to Improve CURE Clustering Using Appropriate Linkage Function for Datasets,6-2015, 2320-9801, IJIRCCE. 13 "Outlier Detection on Incremental Data set Using Cell-Based approach in Data Mining",9-2015, 2321-9939, IJEDR. 14 Preserving Privacy Using Geometric Transformation in Data Stream,9-2015, 2321-9939, IJEDR.

- 15 Sentiment Analysis With Radial Basis Function Hyperparameter Apply in Data Classification,9-2015, 0976-5697, IJARCS.
- 16 A Study on Moving Object Tracking Using PTZ Camera in Video Surveillance System,12-2016, 2321-9939, IJEDR.
- 17 A Study On Movie Recommendation System Using Parallel MapReduce Technology,12-2016, 2321-9939, IJEDR.
- 18 A Study on Feature extraction and summarization using Machine Learning and Opinion Mining,1-2017, 2321-9939, IJEDR.
- 19 " Moving Object Tracking using PTZ Camera in Video Surveillance System",8-2017,978-1-5386-1887-5, IEEE.
- 20 "Simulation of Genre based Movie Recommendation system using Hadoop MapReduce Technique",8-2017,978-1-5386-1887-5, IEEE.
- 21 Study of Basic Functionality for Information Retrieval in Large Scale Data – Big Data,2-2018,, 2320-7868, IJMCS.
- 22 Study of Basic Functionality for Information Retrieval in Large Scale Data – Big Data,2-2018,, 2320-7868, IJMCS.
- 23 Scheduling issue for Dynamic Load Balancing of mapreduce in large scale data (Big data),5-2020, 1001-2400, IEEE.
- 24 A Survey on Recommendation System for Bigdata using MapReduce Technology,5-2020, 1001-2400, IEEE.

List of Conference Papers

Nil

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)


No of Book Published Nil

Details of Books : Nil

Project Carried out

Patents	Filled	Nil	Granted	Nil

Computer Engineering Department

Name of the Teaching Staff	SAVAN KIRITBHAI VACHHANI	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	01/02/2022	

Date of Birth 26 / 04 / 1995

AICTE Unique id	--
------------------------	----

Education Qualifications (Mention all)	Degree	Branch
	Diploma	Computer Engineering (GTU)
	UG BE/B.Tech	Computer Engineering (GTU)
	PG ME/M.Tech	Computer Engineering (GTU)
	Ph.D.	N/A

Work Experience (in year):				
Teaching Degree	Teaching Diploma	Research	Industry	Other
N/A	3.5 Years	IoT-Smart Car Parking	N/A	N/A

Area of Specialization	Web Development (PHP, Mysql)
-------------------------------	------------------------------

Course taught at	
Level	Subject
Diploma Level	Networking, DBMS, PHP
Post Diploma Level	C, C++, DS
Under Graduate Level	PHP with MySql
Post Graduate Level	N/A
Post Graduate Diploma Level	N/A

Research guidance (Number of Student)				
Master	Completed	N/A	On-going	N/A
Ph.D.	Completed	N/A	On-going	N/A

No. of papers published :11				
	National Journal	International Journal	National Conference	International Conference
	-	IRJET	-	-

Research Publication
List of Journal Papers : IRJET (International Research Journal of Engineering and Technology)
1. A COMPARITIVE ANALYSIS OF DIFFERENT ALGORITHMS USED IN IOT BASED SMART CAR PARKING SYSTEMS


List of Conference Papers:
Nil

No. of Books Chapter published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Chapter Published	Nil
Details of Books	Nil

Project Carried out
Nil

Patents	Filled	--	Granted	--
----------------	---------------	----	----------------	----

Computer Engineering Department

Name of the Teaching Staff	Bakori Shivangi Kiritbhai	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	14/02/2022	

Date of Birth	17/11/1996
----------------------	------------

AICTE Unique id	--
------------------------	----

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	Computer Engineering
	PG ME/M.Tech	Computer Engineering
	Ph.D.	--

Work Experience (in year):				
Teaching Degree	Teaching Diploma	Research	Industry	Other
2.5 Years	--	--	2 Months	--

Area of Specialization	Wireless Sensor Networks
-------------------------------	--------------------------

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	Data Structure, C, C++, Java, System Programming, Theory of Computation, Analysis and Design of Algorithms, Compiler Design.
Post Graduate Level	--
Post Graduate Diploma Level	--

Research guidance (Number of Student)				
Master	Completed	--	On-going	--
Ph.D.	Completed	--	On-going	--

No. of papers published :11				
	National Journal	International Journal	National Conference	International Conference

List of Journal Papers : Nil

List of Conference Papers: Nil


No. of Books Chapter published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Chapter Published	Nil
Details of Books	Nil

Project Carried out Nil

Patents	Filled	--	Granted	--
----------------	---------------	----	----------------	----

V.V.P. ENGINEERING COLLEGE, RAJKOT

Computer Department

Name of the Teaching Staff	VYAS AMITKUMAR JAYANTILAL	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	01/07/2022	

Date of Birth	12-10-1992
----------------------	------------

AICTE Unique id	1-3359111773
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	-
	UG BE/B.Tech	BE- Information Technology
	PG ME/M.Tech	M.TECH- Computer Engineering
	Ph.D.	-

Work Experience (in year):				
Teaching Degree	Teaching Diploma	Research	Industry	Other
6 +				

Area of Specialization	Algorithm in Cloud Computing
-------------------------------	------------------------------

Course taught at	
Level	Subject
Diploma Level	-
Post Diploma Level	-
Under Graduate Level	1. Computer Organization and architecture 2. Database Management system 3. Analysis and Design of Algorithms 4. Programming C 5. Operating System 6. Design Engineering (I,II,III,IV) 7. Mobile Computing And Wireless Communication 8. Software Engineering
Post Graduate Level	-
Post Graduate Diploma Level	-

Research guidance (Number of Student)				
Master	Completed	-	On-going	-
Ph.D.	Completed	-	On-going	-

No. of papers published :				
	National Journal	International Journal	National Conference	International Conference
		1		1

Research Publication
List of Journal Papers :
1. Improved Resource Allocation using k-Backfill Algorithm based on priority of job scheduling in Cloud Computing


List of Conference Papers:
1. Improved Resource Allocation using IBA Algorithm for Multi Queue Job Scheduling

No. of Books Chapter published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Chapter Published	
Details of Books	
1.	
2.	

Project Carried out

Patents	Filled		Granted	

Computer Engineering Department

Name of the Teaching Staff	Miss Chanv Brinda Dilipbhai	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	11-07-2022	

Date of Birth	15-07-1993
----------------------	------------

AICTE Unique id	1-26418314701
------------------------	---------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	Computer Engineering
	UG BE/B.Tech	Computer Engineering
	PG ME/M.Tech	Computer Engineering
	Ph.D.	

Work Experience (in year):				
Teaching Degree	Teaching Diploma	Research	Industry	Other
1.4			1.6	

Area of Specialization	Internet of Things
-------------------------------	--------------------

Course taught at Level	Subject
Diploma Level	
Post Diploma Level	
Under Graduate Level	Data Structures, Object Oriented Programming-1, C language, Integrated Personality Development 1, Integrated Personality Development 2
Post Graduate Level	
Post Graduate Diploma Level	

Research guidance (Number of Student)				
Master	Completed		On-going	
Ph.D.	Completed		On-going	

No. of papers published :3				
	National Journal	International Journal	National Conference	International Conference

		1		2
--	--	---	--	---

Research Publication

List of Journal Papers :

- 1) Prof. Brinda Chanv, Prof. Jayraj Chanv, "A survey of Challenges and Solutions for Reliable Communication between Sensors and Network Devices in IoT", Journal of Network Security and Data Mining, Volume 6 Issue 1, HBRP Publication, Page 25-29 2023, DOI: <https://doi.org/10.5281/zenodo.7780804>.

List of Conference Papers:

- 1) Brinda Chanv, Prof Sunil Bakhru, Prof Vijay Mehta, "Structural Health Monitoring System Using IOT and Wireless Technologies", ICCT 2017, IEEE, ISBN: 978-1-5386-3030-3, pp. 151-157.
- 2) Brinda Chanv, Prof. Sunil Bakhru, "A Survey of Structural Health Monitoring System Using IOT And Wireless Technologies", ICRASET 2017, ISBN: 978-93-84339-38-8, pp-113.

No. of Books Chapter published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Chapter
Published

Details of Books

Project Carried out

Patents	Filled		Granted	
---------	--------	--	---------	--

Computer Engineering Department

Name of the Teaching Staff	Miss Sarvaiya Mital Dineshbhai	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	24-06-2022	

Date of Birth	19 th April 1997
----------------------	-----------------------------

AICTE Unique id	1-11295060588
------------------------	---------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	B.E.-Computer Engineering
	PG ME/M.Tech	M.E.-Computer Engineering
	Ph.D.	

Work Experience (in year):				
Teaching Degree	Teaching Diploma	Research	Industry	Other
1.5	Nil	Nil	0.5	2.5


Area of Specialization	Data Structure, wireless sensor networking
-------------------------------	--

Course taught at	
Level	Subject
Diploma Level	Nil
Post Diploma Level	Nil

Under Graduate Level	<ol style="list-style-type: none"> 1. Data structure 2. Software engineering 3. Design and analysis of algorithm 4. Mobile Application and development 5. Computer Network 6. Design Engineering 1a,1b,2a,2b 7. Compiler Design 8. Object oriented programming language 9. Constitution of India
----------------------	---

V.V.P. ENGINEERING COLLEGE, RAJKOT

Computer Engineering Department

Name of the Teaching Staff	Mr. Girnara Nikhilesh Nalinbhai	
Designation	ASSISTANT PROFESSOR	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	22-06-2022	

Date of Birth	27/11/1989
----------------------	------------

AICTE Unique id	1-3586857533
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	DE – Computer Engineering
	UG BE/B.Tech	BE - Computer Engineering
	PG ME/M.Tech	ME - Computer Engineering
	Ph.D.	NIL

Work Experience (in year):				
Teaching Degree	Teaching Diploma	Research	Industry	Other
6.5	1.2	NIL	Nil	NIL

Area of Specialization	Image Processing, Data Mining, Cloud Computing
-------------------------------	--

Course taught at	
Level	Subject
Diploma Level	1. Data Structure 2. Fundametal of Software Engineering 3. Computer Graphics 4. Computer Network
Post Diploma Level	NIL
Under Graduate Level	8 Operating System 9 Web Programming 10 Software Engineering 11 Artificial Intelligence 12 Data Mining & Business Intelligence
Post Graduate Level	NIL
Post Graduate Diploma Level	NIL

Research guidance (Number of Student)				
Master	Completed	NIL	On-going	NIL
Ph.D.	Completed	NIL	On-going	NIL

No. of papers published : 02				
	National Journal	International Journal	National Conference	International Conference
		02		

Research Publication
List of Journal Papers :
<ol style="list-style-type: none"> 1. "Analysis of CT and MRI Image Fusion using Non-Subsampled Transform and Wavelet Transform" International Journal of Engineering Science and Computing, 2016. 2. "A Proposed Method of Medical Image Fusion using Non-Subsampled Counterlet Transform and Wavelet Transform", International Journal for Scientific Research & Development, 2015.


List of Conference Papers:
NIL

No. of Books Chapter published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Chapter Published	NIL
Details of Books	
NIL	

Project Carried out

Patents	Filled	NIL	Granted	NIL
----------------	---------------	-----	----------------	-----

Computer Engineering Department

Name of the Teaching Staff	Miss Hetvi Kotak	
Designation	Assitant Professor	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	10-07-2023	

Date of Birth	11-01-1993
----------------------	------------

AICTE Unique id	-
------------------------	---

Education Qualifications (Mention all)	Degree	Branch
	Diploma	-
	UG BE/B.Tech	Information Technlology
	PG ME/M.Tech	Software Engineering
	Ph.D.	

Work Experience (in year):				
Teaching Degree	Teaching Diploma	Research	Industry	Other
-	-	-	3.6	-

Area of Specialization	Java
-------------------------------	------

Course taught at	
Level	Subject
Diploma Level	-
Post Diploma Level	-
Under Graduate Level	-
Post Graduate Level	-
Post Graduate Diploma Level	-

Research guidance (Number of Student)				
Master	Completed	--	On-going	--
Ph.D.	Completed	--	On-going	--

No. of papers published :11				
--	National Journal	International Journal	National Conference	International Conference
	-	-	-	-

List of Journal Papers : -

List of Conference Papers: -	
No. of Books Chapter published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Chapter Published	-
Details of Books	

Project Carried out

Patents	Filled	-	Granted	-
Post Graduate Level		Nil		
Post Graduate Diploma Level		Nil		

List of Conference Papers:

Research guidance (Number of Student)				
Master	Completed	0	On-going	0
Ph.D.	Completed	0	On-going	0

No. of papers published :11				
	National Journal	International Journal	National Conference	International Conference
	0	1	0	1

Research Publication

1. Effective Technique to Improve Communication of Engineering Graduates while Learning Technical subjects, Indonesia Universal Collaboration for Engineering Education (IUCEE), April 2022.

List of Journal Papers :


2. Survey on Different Block Technique in NDP in 6LoWPan I'n IoT, International Journal of Innovative Technology and Exploring Engineering (IJITEE), July 2019.

No. of Books Chapter published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Chapter Published	Nil
Details of Books	

Project Carried out Nil

Patents	Filled	Nil	Granted	Nil
---------	--------	-----	---------	-----

Department of Electronics & Communication

Name of the Teaching Staff	Dr Paresh M Dholakia	
Designation	Associate Professor & HOD	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	01-11-2000	

Date of Birth	17-02-1968
----------------------	------------

AICTE Unique id	1-448085549
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	--
	UG BE/B.Tech	BE (Electronics and Communication)
	PG ME/M.Tech	ME (Electronics and Communication)
	Ph.D.	Engineering

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
23	0	0	11	0

Area of Specialization	Wireless Communication , Digital Signal Processing
-------------------------------	--

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	DSP, WC, DCOM, DE, SS, R&NA
Post Graduate Level	ADSP, EWT, DI & VP, RS, Speech Processing
Post Graduate Diploma Level	--

Research guidance (Number of Student)				
Master	Completed	8	On-going	0

Ph.D.	Completed	0	On-going	2
--------------	-----------	---	----------	---

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	0	11	8	12

Research Publication
List of Journal Papers
<ol style="list-style-type: none"> 1. "Enhancement of power quality in Domestic Loads using Active Power Filters" A UGC Care Approved Group II Journal, METSZET Journal , Volume 8 , issue 2 , February 2023 2. "Technique to improve performance of LTE Receiver using EVM" UGC Approved Journal , Journal of the Maharaja Sayajirao University of Baroda ISSN 0025- 0422 ,Volume-55 No.4 2021 Pg 191 to 199 3. "Comparative analysis of TCM OSTBC MIMO system in different fading environment", Vol-23 No.02 (V) July-September 2020, ISSN:0975-4520, Kala Sarovar, UGC Care Group-1 Journal ,. 4. "Performance Analysis of TCM OSTBC MIMO System in Different Fading Environment," Vol-4,Issue4, April 2018, p.p. 279-282 , International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSCE), ISSN: 2454-428, UGC Approved 5. "Performance Analysis of 4×4 and 8×8 MIMO System, to Achieve Higher Spectral Efficiency in Rayleigh and Rician Fading Distributions", Vol. 79, no. 1, p.p. 687-701, Nov.2014,Online ISSN 1572-834X,Print ISSN 0929-6212, Springer International Journal: Wireless Personal Communication 6. "Constant BER Analysis of Wi-Max MIMO system with adaptive modulation and SNR", Vol.7, issue 1, pp.202-209, Jan-Jun 2014, ISSN:0974-3588, International Journal of Emerging technologies and applications in engineering, technology and science 7. "On Channel capacity for IMT-A in different fading environment", Volume – 04, Issue – 01,Pp: 1318-21,Nov 15 To Oct 16, ISSN: 0975 – 6779, Journal Of Information, Knowledge And Research In Electronics And Communication Engineering, AES Journal India 8. "PAPR Reduction Of OFDM Signals Using Partial Transmit Sequence And Clipping Hybrid Scheme", Volume – 04, Issue – 01,Pp: 1327 - 1333,Nov 15 To Oct 16 , ISSN: 0975 – 6779, Journal Of Information, Knowledge And Research In Electronics And Communication Engineering ,AES Journal India 9. "Development of New Peak Detection method for Nuclear Spectroscopy", Volume 2, Issue 5,May 2015,Pp: 1638-1644, ISSN-2349-5162, Journal of Emerging Technologies and Innovative Research (JETIR), JETIR INDIA 10. "Performance analysis of Adaptive Modulation Schemes in LOS and NLOS for Real Time Multimedia Information Transmission", Vol-4,No.2 pp.463-467, July-December-2012, ISSN: 0975-4202, International Journal of

11. **"OFDM based WiMax transceiver"**, Volume :2 Number:1 pp: 31-35 January-June 2009, ISSN : 0974-5815, International journal of highly reliable electronics system, International Science Press (India)

List of Conference Papers

1. **"Technique to improve performance of LTE Receiver using EVM"**, 2nd Online International Conference on "Continuity ,Consistency and innovation in applied sciences and Humanities" (ICCIASH 2021) Organized by Department of Science and Humanities, St. Martin's Engineering College, Dhulapally, Secunderabad, T.S, India, 29th & 30th July 2021.

2. **"Comparative Analysis of TCM-OSTBC MIMO System in Different Fading Environment"**, First Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-2020) Organized by Department of Electronics and Communication Engineering, St. Martin's Engineering College, Dhulapally, Secunderabad, T.S, India, 29th & 30th June 2020.

3. **"Design and analysis of an image restoration using wiener filter with a quality based hybrid algorithms"**, IEEE International Conference on Electronics and Communication Systems (ICECS), Karpagam College of Engineering, Coimbatore, Tamilnadu, India, 26-27th February 2015, **IEEE Explorer**

4. **"On performance analysis of OSTBC-MIMO systems for audio [mp3] transmission in Rayleigh fading environments"**, IEEE International Conference on "Advances in communication and computing technologies (ICACACT-2014), M

5. **"On constant BER analysis for real time information transmission and adaptive modulation in WIMAX MISO system,"** IEEE International Conference on "Advances in communication and computing technologies (ICACACT-2014), Mumbai, India , 10-11 August 2014, **IEEE Explorer**

6. **"Performance analysis of Adaptive modulation schemes in LOS and NLOS for real time Multimedia Information transmission"**, International Conference on Innovative Technologies in Engineering and Sciences , VVP ITES Conference 2012 Conducted at VVP Engineering College, Rajkot Gujarat, India, 22-23 December 2012

7. **"On Constant BER analysis for adaptive modulation in WiMax MISO system"** , **IEEE** International Conference on "Emerging Technology Trends in Electronics, Communication and Networking (ET2ECN-2012) held at SVNIT, Surat on 19-21 December, 2012 , **IEEE Explorer**

8. **" Performance analysis of Power line carrier communication: current status v/s future trends"** ,International Conference on Information, Knowledge & Research in Engineering , Technology & Sciences-2012 organized by G K Bharad Institute of Engineering, Rajkot , India , 24th-25th March , 2012 , Proceedings' ISBN No. 978-81-906220-3-5

9. "Comparative Analysis of LTE and WiMax systems", International Conference on Information, Knowledge & Research in Engineering , Technology & Sciences-2012 organized by G K Bharad Institute of Engineering, Rajkot , India , 24th-25th March , 2012, Proceedings' ISBN No. 978-81-906220-3-5

10. " Multiple Input Multiple Output or Adaptive Antennas System : key technology in deploying WiMax.", International conference on signals , systems and automations held at GCET , V.V.Nagar , Gujarat, INDIA, 28-29 Dec 2009, Poster published in proceedings. Paper will be published in Universal Publishers , USA.

11 "Performance enhancement of TCP sack" , International conference on communication ,computers and instrumentation'09 held at V.E.S. Institute of technology , Mumbai ,INDIA ,02-03 January, 2009, Published in proceedings.

12 "Mobile T.V", International Conference on Emerging Technologies and Applications in Engineering ,Technology and Sciences , Organized by Computer Science Department Saurashtra University and Amoghsiddhi Education Society, Sangli, INDIA, 13th & 14th January, 2008, Paper Published in Proceedings

Paper presented in the Conference / Seminars / Symposium:(National Level-Dr. P.M. Dholakia)

1 " Comparative analysis of next generation wireless networks", National Conference on Emerging trends in Electronics Engineering and computing (E3C 2010) powered by Industrial journal of machine intelligence and applications. Held at J D College of engineering , Nagpur, INDIA, 9-10 February 2010, Published in proceedings

2. "Performance analysis of antenna diversity techniques : a way to improve the bit error rate of WiMax system", 2nd National Conference on " Emerging trends in information and communication technologies (NCETICT)" held at C U Shah College of engineering and technology , Wadhvan City, INDIA Surendranagar, INDIA, 19-04-2009, Published in proceedings.

3. " Analysis of comparative methods for associate rule mining", National Conference on " High Computing Technologies-08" held at Atmiya Institute Of Technology , Rajkot, INDIA, 22-11-2008, Published in proceedings.

4. "Performance analysis of OFDM Communication System", National Conference on " Advances in Electronic System Design (AESD'08)" held at Atmiya Institute of technology, Rajkot, INDIA, 21-11-2008, Published abstract in proceedings.

5. "Performance analysis of MIMO systems in scattering environment", National Conference on " Latest trends in Computer Technology" (Organized by SCET and CSI , Surat at SCET), INDIA, 26th-27th June 2008, Published in proceedings

6. "Real Time Implementation of DSP based Audio Equalizer", Spurgeon 2K8 A national level technical symposium at C.U.Shah College of Engineering, Wadhvan

City, INDIA,

7. "**Performance Evaluation of OFDMA Systems**", National Conference on Advance Communication-NCAC-2008 (Under TEQIP), at Dharmsinh Desai University , Nadiad, INDIA, 29th & 30th March,2008, Published in Proceedings

8. "**Object Oriented Software**", National Level Technical Paper Presentation Competition-2005 organized by SV Institute of Computer Studies, Kadi & Amoghsiddhi Education Society, Sangli, INDIA, 8th-9th January,2005, Merit Certification

9. "**Latest Trends Of IT in Technical Education**", 8th ISTE National Convection –State Level ISTE Seminar on Multimedia Applications in Engineering Education at Nirma Institute Of Technology, Nirma University , Ahmedabad, INDIA, 17th November,003,Published in proceedings, ***Awarded First Prize.**

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published

1

Details of Books

Digital signal Processing

ISBN Number : 978-9390904921

Project Carried out

nil

Patents

Filled

Granted

nil

Department of Electronics & Communication

Name of the Teaching Staff

Dr Charmy Patel

Designation

HOD-Associate Professor

Appointment Type (Regular/Adhoc)

Regular

Joining Date at Institute

25-8-2004



Date of Birth

29-08-1980

AICTE Unique id

1-448085505

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	Electronics and communication
	PG ME/M.Tech	Industrial Electronics
	Ph.D.	Electronics & communication

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
19	0	--	0	0

Area of Specialization	Microwave Engineering, Power electronics
-------------------------------	--

Course taught at	
Level	Subject
Diploma Level	-
Post Diploma Level	-
Under Graduate Level	Radar and Navigational aids Microwave Engineering Power electronics VLSI Electromagnetics Analog circuit design Basic Electronics Physics Linear integrated circuit
Post Graduate Level	Communication and research skills RF and Microwave Engineering
Post Graduate Diploma Level	--

Research guidance (Number of Student)				
Master	Completed	5	On-going	
Ph.D.	Completed	1	On-going	

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
		12		11

Research Publication
List of Journal Papers
"Digital Revolution- motion Picture compression techniques" Information, knowledge and research in engineering technology and sciences-2012
"Modeling and simulation of Digitized television using Lab view" Information, knowledge and research in engineering technology and sciences-2012
"Implementation of simulation model of terrestrial digital video broadcasting for different convolution code and different modulation techniques for primary colors using lab view" Information, knowledge and research in engineering technology and sciences
"Multidimensional Motion Control of Robotic Arm" International journal of Innovative Research In Computer and Communication Engineering
"Diffusion Model for Fe-Mg in Planetary Materials: A Mathematical Approach" Journal of emerging Technologies and innovative research
"Diffusion Model for Fe-Mg in Planetary Materials: A Mathematical Approach" Journal of emerging Technologies and innovative research
"Simulation and Performance of LABR3(CE) using GEANT4" International journal of scientific research and development
"Comparative analysis and simulation of various QAM techniques as used in DVB T2." Indian journal of science and technology
"Simulation of various QAM Techniques used in DVB-T2 & comparison for Various BER VS SNR" International journal of Computer and information security ISSN 1947 5500
"Design And Implementation Of Perfect Reconstructed Filter Bank And Compared Two Approaches" International Journal For Technological Research In Engineering Volume 5, Issue 8, April-2018 ISSN (Online): 2347 - 4718
"Bandwidth Improvement Of Microstrip Patch Antenna Based On Tio2 Nano Particle" International Journal of Creative Research Thoughts (ISSN: 2320-2882) 2018 IJCRT Volume 6, Issue 2
"The DVB-H Standard: Efficient Energy Utilizing Standard Compared To Dvb-T2" International journal of research and analytical reviews ISSN: E-ISSN-2348-1269,P-ISSN: 2349-5138
"The DVB-H Standard: Comparative Analysis of The Results Obtained for Various Modulation techniques and Different Code Rates" Recent Trends In Electronics & Communication Systems ISSN: 2393-8757
List of Conference Papers
"Mobility Analysis of 4G Mobile Communication" at the" International Conference on Emerging Technologies and Application in Engineering, Technology and Sciences.
"Simulation and performance analysis of Advance television system and standards" Computational intelligence and application (ICCIA-10)
"Simulation and performance analysis of NTSC television system and standard" Computational intelligence and computing research.
"Simulation and Performance analysis of SECAM television system and standards" Innovative science and engineering technology
Performance analysis of Phase error cancellation of PAL-D television system using Labview" Computational intelligence and communication networks(CICN-2011)


“Modeling and Performance analysis of Digital television system” Computational intelligence and communication networks
“Comparative analysis of different modulated signal of DVB-T for all primary colors using labview” Knowledge, Analysis and research in Engineering, technology and science-2014
“Evolution of DVB-S2 from DVB-S For the Efficient Real Time Implementation” Computational intelligence and computing research
“Evolution of DVB-T2 from DVB-T for the efficient real time implementation” Emerging Trends in scientific Research
“Constrained Vector Quantization Techniques: Comparative Analysis of Mean Removed VQ & Shape Gain VQ as Applied to Image and Speech” Information And Communication Technology For Competitive Strategies
“Energy Efficient Implementation of Simulation Model of DVB-T for Primary Colors Using Various Modulation Techniques: 16 QAM & 64 QAM” Information And Communication Technology For Competitive Strategies

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	Nil
Details of Books	
Nil	

Project Carried out
GESTURE CONTROL WHEEL CHAIR
Autonomous room mapping SLAM robot using Rpi
ALGORITHM FOR VISUALIZATION OF ATMOSPHERIC PARAMETERS USING SATELLITE, GROUND AND MODEL DATA

Patents	Filled	--	Granted	--

Department of Electronics & Communication

Name of the Teaching Staff	Dr. VISHAL DINESHCHANDRA NIMAVAT	
Designation	ASSISTANT PROFESSOR	
Appointment Type (Regular/Adhoc)	REGULAR	
Joining Date at Institute	06-11-2007	

Date of Birth	01-01-1979
----------------------	------------

AICTE Unique id	1-448085517
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	ELECTRONICS AND COMMUNICATION
	PG ME/M.Tech	ELECTRONICS AND COMMUNICATION
	Ph.D.	ELECTRONICS AND COMMUNICATION

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
18	0	0	4	0

Area of Specialization	Wireless communication
-------------------------------	------------------------

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	Communication Engineering Control Theory Digital Signal Processing Digital Electronics Digital Logic Design Analog And Digital Electronics Digital Communication Wireless Communication

	Wireless Communication Basic Electronics Control System Engineering Electronic and Communication Wireless and Mobile Communication Project Dissertation Phase Basic Electronics Control Systems Project Digital Communication Digital Fundamentals Project – II Radar & Navigational Aids Integrated Personality Development Course Signal & Systems
Post Graduate Level	Wireless communication Research methodology
Post Graduate Diploma Level	--

Research guidance (Number of Student)				
Master	Completed	05	On-going	--
Ph.D.	Completed	--	On-going	--


No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	5	4	2	5

Research Publication
List of Journal Papers
<ol style="list-style-type: none"> 1. Comparative analysis of path loss propagation models in radio communication International journal of innovative research in computer and communication engineering , ISSN/ISBN 2320-9798 (Print), 2320-9801 (Online), Vol No. 3, Issue No. 2, Feb 2015, 840-845 2. Simulation and Performance Evaluation of Lee model under Urban, Suburban and Rural Environments for GSM system in mobile communication International Journal of Engineering Associates, ISSN/ISBN (Print), 2320-0804 (Online), Vol No. 1, Issue No.6, Apr-13 3. Simulation And Performance Evaluation Of Different Propagation Model Under Urban, Suburban And Rural Environments For Mobile Communication International Journal of Engineering Research & Technology, ISSN/ISBN 2278-0181, Vol No. 1, Issue No.6, Aug-12-7-Jan 4. Simulation And Performance Evaluation of Hata Model Under The Urban, Suburban And Rural Environments Title Of The Journal : Journal of Information, Knowledge And Research In Electronics And Communication Engineering, , ISSN/ISBN 0975- 6779, Vol No. 2, Issue No.1, Nov-11 to Oct-2012, 281-285 5. Simulation And Performance Evaluation Of Different Propagation Model Under Urban, Suburban And Rural Environments For Mobile Communication Using Regression Analysis Title Of The Journal : Journal of

<p>Information, Knowledge And Research In Electronics And Communication Engineering ISSN/ISBN 0975- 6779, Vol No. 2, Issue No.1, Nov-11 to Oct-2012, 286-292</p> <p>6. Simulation And Performance Evaluation of Lee Model Under The Urban, Suburban And Rural Environments Title Of The Journal : Journal of Information, Knowledge And Research In Electronics And Communication Engineering, ISSN/ISBN 0975- 6779, Vol No. 2, Issue No.1, Nov-11 to Oct-2012, 293-297</p>	
List of Conference Papers (International)	
<p>1. Third International Conference on INFORMATION AND COMMUNICATION TECHNOLOGY FOR COMPETITIVE STRATEGIES (ICTCS-2017) Constrained Vector Quantization Techniques: Comparative Analysis of Mean Removed VQ & Shape Gain VQ as Applied to Image and Speech, 16, 17 December, 2017, Udaipur</p>	
<p>2. Third International Conference on INFORMATION AND COMMUNICATION TECHNOLOGY FOR COMPETITIVE STRATEGIES (ICTCS-2017) Constrained Vector Quantization Techniques: Comparative Analysis of Mean Removed VQ & Shape Gain VQ as Applied to Image and Speech, 16, 17 December, 2017, Udaipur</p>	
<p>3. International conference on Communication, Information and Computing Technology ICCICT-2012 (IEEE) Simulation and performance evaluation of GSM propagation channel under the urban, suburban and rural environments, 19-20 October-2012,Mumbai</p>	
<p>4. International conference on Information, Knowledge & Research in Engineering, Technology & Sciences-2012 Simulation And Performance Evaluation of Hata Model Under The Urban, Suburban And Rural Environments, 24-25 March-2012,Rajko</p>	
<p>4. 2011 IEEE International Conference on Computational Intelligence and Computing Research Simulation and performance evaluation of different propagation channel over 3.5 GHz Wi-MAX under the urban , suburban & rural environments, 15-18 December 2011,Kanyakumari</p>	
<p>5. International conference on emerging technologies and applications in engineering, technology and sciences SS7 Signaling, 13-14 January, 2008,Rajkot</p>	
List of Conference Papers (National)	
<p>1. National Conference on Information, Knowledge & Research in Engineering, Technology & Sciences 2013, Simulation And Performance Evaluation Of LEE Model Under The Urban, Suburban Rural Environments 3rd February 2013,Rajkot</p>	
<p>2. National Conference on Information, Knowledge & Research in Engineering, Technology & Sciences 2013, Simulation And Performance Evaluation Of Different Propagation Model Under The Urban, Suburban Rural Environments For Mobile Communication Using Regression Analysis, 3rd February 2013,Rajkot</p>	
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	01
Details of Books : Digital Logic Design, Ravi prakashan, 2011	
Project Carried out	
Nil	

Patents	Filled	Nil	Granted	Nil
----------------	---------------	------------	----------------	------------

Department of Electronics & Communication

Name of the Teaching Staff	Dr. Jignesh Hariprasad Joshi	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	1.11.2002	

Date of Birth	20 th November 1974
----------------------	--------------------------------

AICTE Unique id	1-448085581
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	Electronics and Communication
	UG BE/B.Tech	Electronics and Communication
	PG ME/M.Tech	Computer Engineering
	Ph.D.	Electronics and Communication

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
22 Years	-	-	02 Years	-

Area of Specialization	Electronics and Communication
-------------------------------	-------------------------------

Course taught at	
Level	Subject
Diploma Level	-
Post Diploma Level	-
Under Graduate Level	Digital Electronics, Control System, Electronics Measuring Instruments, Electronics and Communication, Electronics Circuits, Communication System, Microprocessor Interfacing, Microcontroller Interfacing, Advanced Microcontroller, Telecom Switching System and Network Management, Embedded Systems, Data Communication Networking, Advance Communication Networks, Internet of

	Things, Artificial Intelligence			
Post Graduate Level	Research Methodology, Data Communication Networking, Embedded and Wireless Technology, Advanced Computer Networks			
Post Graduate Diploma Level	-			
Research guidance (Number of Student)				
Master	Completed	08	On-going	-
Ph.D.	Completed	-	On-going	-

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	-	19	09	05

Research Publication
List of Journal Papers
<ol style="list-style-type: none"> 1. Published a paper on "Comparative Analysis of Association Rule Mining on Basis of Frequent Pattern Tree", Journal of Analog and Digital Communications, Volume-8, Issue-1, January-April, 2023. 2. Published a paper on "Digital Advertising System with GPS location geofence using IoT", STM Journals, Current Trends in Signal Processing, ISSN: 2277-6176 (Online), ISSN: 2321-4252 (Print), Volume 11, Issue 2, 2021. DOI (Journal): 10.37591/CTSP. 3. Published a paper on "The DVB-H Standard: Comparative Analysis of The Results Obtained for Various Modulation Techniques and Different Code Rates", Journal of Recent Trends in Electronics & Communication Systems, ISSN: 2393-8757, volume 8, issue 1, page no. 18, June 2021. 4. Published a paper on "Energy Efficient Cluster-Based Routing Protocol for WSN", Journal of Research and Analytical Reviews (IJRAR), ISSN: 2348-1269, volume 2, issue 6, page no. 449-452, June 2019. 5. Published a paper on "Optimized Classification in Game Playing Using ACO", Journal of Research and Analytical Reviews (IJRAR), ISSN: 2348-1269, volume 2, issue 6, page no. 444-448, June 2019. 6. Published a paper on "A Proposed Method for Object Tracking in Clutter Environment International", Journal of Research and Analytical Reviews (IJRAR), ISSN: 2348-1269, volume 2, issue 2, page no. 344-349, June 2019. 7. Published a paper on "A Novel Segmentation Approach: Outdoor Object Detection", Journal of Research and Analytical Reviews (IJRAR), ISSN: 2348-1269, volume 2, issue 6, page no. 453-457, June 2019. 8. Published a paper on "Performance Enhancement of LEACH for Secure Data Transmission" International Journal of Science and Technology (INDJST), ISSN (Print) : 0974-6846 and ISSN (Online) : 0974-5645, Vol 10(20), DOI: 10.17485/ijst/2017/v10i20/110311, May 2017. 9. Published a paper on "Modified LEACH: Cluster-based Routing Protocol for Wireless Sensor Network", International Journal of Engineering Science and Futuristic Technology International, ISSN (Online): 2454-1338, ISSN (Print): 2454-1125, volume 3, issue 11, page no. 239-244, Dec 2017. 10. Published a paper on "Energy Efficient Routing using Hybrid Approach in LEACH for Wireless Sensor Networks" International Journal of Computer Science and Information Security (IJCSIS), ISSN: 1947-5500, Nov/Dec 16,

Issue (Volume - 14, No. 11), 2016.

11. Published a paper on "The DVB-H Standard: Comparative Analysis of The Results Obtained for Various Modulation techniques and Different Code Rates", International Journal of Recent Trends in Electronics & Communication Systems, ISSN: 2393-8757, Issue 1, Volume - 8, page no. 8-18, April 2021.
12. Published a paper on "Performance Enhancement of LEACH Protocol for Wireless Sensor Network" in International Journal of Information, Knowledge and Research in Electronics and Communication Engineering (IJKRECE), ISSN: 0975 - 6779, Nov 15 to Oct 16, Volume - 04, Issue - 01, May 2016.
13. Published a paper on "Performance Enhancement of TCP Vegas over Wireless Network", in Journal of Information, Knowledge, and Research in Electronics and Communication Engineering, ISSN: 0975 - 6779, volume 4, issue 1, Oct 2016.
14. Published a paper on "Routing Protocol for Cluster-based Wireless Sensor Networks" in International Conference on Emerging Trends in Scientific Research - (ICETSR-16), March 2016.
15. Published a paper on "An Enhance Approach to Mitigate the Impact of Black Hole and Gray Hole Attacks in AODV Routing Protocol" International Journal of Electronics and Communication Engineering and Technology (IJECET), Volume 07, Issue 2, March-April-16.
16. "An Enhance Approach of Energy Aware Route Selection In AODV Over MANET" Journal of Information, Knowledge, and Research in Electronics and Communication Engineering, ISSN: 0975 - 6779, Nov 15 to Oct 16, Volume -04, Issue - 01, Page No.: 1311 - 1317.
17. Published a paper on "Performance Enhancement of TCP Vegas over Wireless Network" Journal of Information, Knowledge, and Research in Electronics And Communication Engineering, ISSN: 0975 - 6779, Nov 15 to Oct 16, Volume -04, Issue - 01, Page No.: 1334 - 1338.
18. Published a paper on "A Novel Approach on Energy Efficient AODV Algorithm for MANET" in International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), volume 3, issue 2 - February - 2015.
19. Published a paper on "A Novel Approach on Energy Efficient Cluster Based Routing Algorithm in Wireless Sensor Network" in International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), volume 3, issue 2, Feb 15.

List of Conference Papers

International Level

1. Presented a paper on "Energy Efficient and Secure LEACH for Cluster-based Wireless Sensor Networks" in International Conference on Research and Innovations in Science, Engineering & Technology (ICRISET-2017) - TEQIP Sponsored & ISTE Approved, 17th-19th February 2017 at BVM Engineering College, VVNagar, Anand.
2. Presented a paper on "Modified LEACH: Cluster-based Routing Protocol for Wireless Sensor Network" in International Conference on Advanced Material Technologies (ICAMT)-2016, 27th and 28th December 2016 at DIET, Visakhapatnam, Andhra Pradesh, India.
3. Presented a paper on "Routing Protocol in Cluster-based Wireless Sensor Networks" in International Conference on Emerging Trends in Scientific Research, (ICETSR - 2015), 17-18 December 2015, C.U.Shah University, Wadhvan, India.
4. Presented a paper on "Classification using Ant Colony Optimization" in International Conference on Intelligent System and Data Processing (ICISD 2011) - GCET, VVNagar, Guj, India, January 24-25, 2011.
5. Presented a paper on "Performance Enhancement of TCP SACK" in

International Conference on Communication, Computer and Instrumentation'09 (ICCCI-09) - V.E.S. Institute of technology, Mumbai – January 2/3 – 2009.

National Level

1. Presented a paper on “Analysis of Comparative Method for Association Rule Mining (Apriori and FP Tree)” in High Computing Technologies, National Level Conference - A.I.T.S. – Rajkot on November 22 - 2008.
2. Presented a paper on “Optimization of TCP SACK” in Advances in Electronic System Design (AESD), National Level Conference - A.I.T.S. – Rajkot on November 21 – 2008.
3. Presented a paper on “Performance-Based Comparison of TCP Variants – RENO & TCP SACK on Real Test Bed” in Advances in Electronic System Design (AESD), National Level Conference - A.I.T.S. – Rajkot on November 21 – 2008.
4. Presented a paper on “Classification using Ant Colony Optimization “ in Surgeon 2K8, National Level Technical Symposium - CCET – EC dept, Wadhwan City, on 8th – 9th April, 2008.
5. Presented a paper on “Object Oriented Software” in National Level Technical Paper Presentation Competition – 2005 - Kadi on 8/9 January -2005.
6. Presented a paper on “Formant Analysis and Synthesis using Hidden Markov Model” in National Conference on Emerging Technologies & Applications (ETA-2005) - Computer Science dept. - Rajkot on October 1/2 – 2005.
7. Presented a paper on “Analysis by Synthesis low rate multimode harmonic speech coding” in National Conference on Emerging Technologies & Applications (ETA-2005) - Computer Science dept. - Rajkot on October 1/2 – 2005.
8. Presented a paper on “The interactive design of an FO related spectral analyzer” in National Conference on Emerging Technologies & Applications (ETA-2005) - Computer Science dept. - Rajkot on October 1/2 – 2005.
9. Presented a paper on “Formant analysis using mixtures of Gaussians” in National Conference on Emerging Technologies & Applications (ETA-2005) - Computer Science dept. - Rajkot on October 1/2 – 2005.

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published	01
-----------------------------	-----------

Details of Books

Title : Cluster-based Routing Protocol for Wireless Sensor N/w: Case Study

Author : Dr Jignesh Joshi and Dr Jagdish Rathod

Publication : LAP LAMBERT Academic, Publishing is managed by Omni Scriptum Management GmbH-Germany

ISBN No. : 978-3-659-64076-6


Published Date : 28th Feb 2020

Project Carried out in last three years

- Vision based Social Distancing Detection System
- Game Development Using Android
- Build MPLS Cloud using VRF with Implementing DMVPN

Patents	Filled	Nil	Granted	Nil
----------------	---------------	------------	----------------	------------

Department of Electronics & Communication

Name of the Teaching Staff	Dr. Sneha A. Pandya	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	21/07/2003	

Date of Birth	04/06/1980 (dd/mm/yyyy)
----------------------	-------------------------

AICTE Unique id	1-448085529
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	Not Applicable
	UG BE/B.Tech	B.E. in Electronics and Communication Engineering
	PG ME/M.Tech	M.E. in Electronics and Communication Engineering + Communication System
	Ph.D.	Ph.D. in Electronics and Communication Engineering - "Modelling, Simulation & Performance Enhancement of Real Time Implemented Video Broadcasting Techniques"

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
20	-	-	-	-

Area of Specialization	Communication System
-------------------------------	----------------------

Course taught at	
Level	Subject
Diploma Level	NA
Post Diploma Level	NA
Under Graduate Level	<ul style="list-style-type: none"> • Electronic Communication • Digital Communication • Analog and Digital Communication • Data Communication and Networking • Computer Networks

	<ul style="list-style-type: none"> • Digital Electronics • Basic Electronics • Physics • Wireless Communication • Radar & Navigation • IPDC
--	---

Post Graduate Level	<ul style="list-style-type: none"> • Information Theory and Coding • Statistical Signal Analysis • Indian Constitution • English For Research Writing
Post Graduate Diploma Level	NA

Research guidance (Number of Student)				
Master	Completed	03	On-going	Nil
Ph.D.	Completed	Nil	On-going	Nil

No. of papers published - 23				
	National Journal	International Journal	National Conference	International Conference
	-	13	2	8

Research Publication
List of Journal Papers:
<ol style="list-style-type: none"> 1. Published a paper on "Comparative Analysis of Association Rule Mining on Basis of Frequent Pattern Tree", Journal of Analog and Digital Communications, Volume-8, Issue-1, January-April, 2023. 2. Published a paper on "Comparative Analysis of Real-Time Implemented DVB Systems using Hierarchical Modulation", Journal of Communication Engineering and its Innovation, Volume 9 Issue 1, Year 2023. 3. Published a paper on "Digital Advertising System with GPS location geofence using IoT", STM Journals, Current Trends in Signal Processing, ISSN: 2277-6176 (Online), ISSN: 2321-4252 (Print), Volume 11, Issue 2, 2021. DOI (Journal): 10.37591/CTSP. 4. "The DVB-H Standard: Comparative Analysis of The Results Obtained for Various Modulation techniques and Different Code Rates" in Recent Trends in Electronics & Communication Systems - STM journals, March 2021 5. "The DVB-H Standard: Efficient Energy Utilizing Standard Compared to DVB-T2" in International Peer Reviewed Journal - IJRAR, June 2019 6. "Modified LEACH : Energy Efficient Routing Protocol for Cluster-based Wireless Network" in International Journal of Engineering Science and Futuristic Technology in 2017 7. "Simulation of Various QAM Techniques Used in DVBT2 & Comparison for Various BER Vs SNR" in International Journal of Computer Science and Information Security (IJCSIS), Vol. 15, No. 2, February 2017 8. "Comparative Analysis and Simulation of Various QAM Techniques as used in DVBT2" in International Journal of Science and Technology (INDJST) - December 2016. 9. "Analysis and Modification of Queue Mechanism Of Sensor Nodes To Reduce

Congestion" in Journal of Information, Knowledge and Research in Electronics and Communication October 2016.

10. "An Enhanced Approach To Improve Energy of TORA Routing Algorithm In MANET" in Journal of Information, Knowledge and Research in Electronics and Communication October 2016.
11. "Design, Hardware Realization and Performance Enhancement of Karaoke Machine." In International Journal of Scientific Engineering and Technology Research in March 2015.
12. Research paper presented and published on "Mean Removed Constrained Vector Quantization as Applied to Image", at International Journal of Intelligent Information Processing by Serial Publication. Volume IV- No. 1, Issue: January-June'2010, pp : 99-104.
13. Research paper published on "Comparative Analysis of Mean-Removed Constrained & Full Search Vector Quantization", in International Journal of Computer Applications in Engineering, Technology and Sciences (IJ-CA-ETS) (ISSN: 0974-3596), April'10 – Sept'10, Issue : 2, pp -390 - 394.

List of Conference Papers:

1. Research paper presented and published on "Comparative Analysis of Mean Removed and Shape Gain Constrained Vector Quantization Techniques", at International Conference on Control Communication and Power Engineering 2011, organized by V.V.P. Engineering College, Rajkot, on 8th and 9th April, 2011. (for this research paper got the prize of best paper of the session and also secured the FIRST rank in Electronics and Communication Track out of all papers)
2. Research paper presented and published on "Mean Removed Constrained Vector Quantization as Applied to Image", in International Conference on Control Communication and Power Engineering 2010, organized by the Association of Computer Electronics and Electrical Engineers, on 28th July, 2010.
3. Research paper published on "Network Architecture to Support Quality of Service In Mobile Ad-hoc Network", in International Conference on Emerging Technologies and Applications in Engineering Technology and Sciences, organized by Saurashtra University, Rajkot, on 13th & 14th January, 2008,.
4. Research paper presented on "Performance analysis of full search VQ and Mean Removed VQ", at a National Level Technical Symposium PROJECTIONS'10, organized by Parul Institute of Engineering & Technology, Wagodia, on 12th & 13th February 2010.
5. Research paper presented and published on "Evolution of DVB-S2 from DVBS for Efficient Real Time Implementation", in IEEE Conference on 18-19-20 December, 2014 at Coimbatore, Tamilnadu.
6. Research paper presented on "Mobile Ad-hoc Network : A Network without Network", at a National Level Technical Conference on Advances in Electronic System Design (AESD) organized by Atmiya Institute of Technology and Science, Rajkot on 12th & 13th November 2009.
7. Research paper presented and published on "Evolution of DVBT2 from DVBT for Efficient Real Time Implementation", in International Conference on 18-December, 2015 at C.U.Shah University, Wadhwan.
8. Research paper published on "Network Architecture to Support Quality of Service in Mobile Ad-hoc Network", in International Conference on Emerging Technologies and Applications in Engineering Technology and Sciences, organized by Saurashtra University, Rajkot, on 13th & 14th January, 2008.
9. Research paper presented and published on "Constrained Vector

Quantization Techniques: Comparative Analysis of Mean Removed VQ & Shape Gain VQ as Applied to Image and Speech”, at International Conference On Information And Communication Technology For Competitive Strategies (ICTCS-2017), on 16th and 17th April, 2017, at Udaipur, Rajasthan.

10. Research paper presented and published on “Energy Efficient Implementation of Simulation Model of DVB-T for Primary Colours Using Various Modulation Techniques: 16 QAM & 64 QAM”, at International Conference on Information and Communication Technology for Competitive Strategies (ICTCS-2017), on 16th and 17th April, 2017, at Udaipur, Rajasthan.

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)


No of Book Published	Nil
-----------------------------	-----

Details of Books - NA

Project Carried out -

Patents	Filled	NIL	Granted	NIL
----------------	---------------	-----	----------------	-----

Department of Electronics & Communication

Name of the Teaching Staff	Dr. Dipesh Girinbhai Kamdar	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	11-07-2007	

Date of Birth	12-01-1981
----------------------	------------

AICTE Unique id	1-448085509
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	D.E.C.E.
	UG BE/B.Tech	B.E.E.C.
	PG ME/M.Tech	M.E.E.C.(CSE)
	Ph.D.	Ph.D. in the faculty of Engineering

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
16	0	0	1	0

Area of Specialization	Image and Video Processing Wireless Communication Machine Learning Deep Learning
-------------------------------	---

Course taught at	
Level	Subject
Under Graduate Level	Introduction of Artificial Intelligence Introduction to Machine Learning Digital Signal Processing Web Technology Microprocessor and Interfacing

	Python Programming Network Theory Digital Fundamentals Optic Communication Signals and Systems Telecommunication Switching systems and Network Control System Engineering			
Post Graduate Level	Satellite Communication Research Methodology and IPR Information Theory and Coding			
Research guidance (Number of Student)				
Master	Completed	8	On-going	0
Ph.D.	Completed	1	On-going	5

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	0	30	6	3

Research Publication	
List of Journal Papers	
1.	Bird Video Summarization Using Pre-trained CNN Model and Deep Learning , published in Smart Trends in Computing and Communications, Proceeding of SmartCom 2022 Conference and Lecture Notes in Networks and Systems Volume 396 in Dec, 2022.
2.	A Comparative Performance Analysis of Various Pre-Trained Convolutional Neural Network Models , published in International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI) 2022.
3.	Implementation of Pre-trained Deep Learning Model for Dog Breed Classification , published in Turkish Journal of Computer and Mathematics Education, Vol.12 No.7 (2021), pg. 555-558, March - 2021, e-ISSN 1309-4653
4.	Design and Performance Analysis of MEMS Micro-Heater for Uniform Temperature Platform for Efficient Gas Sensor Application , published in Journal of Shanghai Jiaotong University, Volume 16, Issue 11, Pg. 334-347, Nov - 2020, ISSN: 1007-1172.
5.	Traffic Signs Detection and Recognition Using Deep Learning With 96 Percent Accuracy , published in Journal of Shanghai Jiaotong University, Volume 16, Issue 11, Pg. 376-381, Nov - 2020, ISSN: 1007-1172.
6.	Motion Tracking Techniques: A Survey , published in Journal of Shanghai Jiaotong University, Volume 16, Issue 11, Pg. 423-430, Nov - 2020, ISSN: 1007-1172.
7.	Comparative Analysis of TCM-OSTBC MIMO System in Different Fading Environment , published in Kala Sarovar (UGC Care Group-1 Journal), Volume 23, Issue 02(V), Pg. 98-101, ISSN: 0975-4520 in July-September 2020 Issue.
8.	A review on security approaches of MQTT protocol with respect to

Internet of Things, published in International Journal of Research and Analytical Reviews (IJRAR), Volume 7, Issue 1, Pg. 458-468, March-2020, E-ISSN 2348-1269, P-ISSN 2349-5138.

9. **Comparative Architecture and Algorithm Study for Energy-aware Social Networking Virtualized Data Centers**, Published in International Journal of Computer Sciences and Engineering, Volume 07, Issue 11, Pg. 141-144, Nov-2019, ISSN(Online) : 2347-2693.
10. **Summarizing Animal Video using Pre-trained AlexNet and Deep Learning** presented in International Conference on Advancements in Computing & Management (ICACM) at Jagannath University, Jaipur, India on 13-14 April 2019, Pg. 629-635 and published in International Conference on Advancements in Computing & Management by Social Science Research Network (SSRN).
11. **A Novel Approach to Improve Quality of 4g Wireless Network For H. 265/HEVC Standard with Low Data Rate**, published in Journal of Information and Computational Science, Volume 12, Issue 02, Pg. 24-30, 2019, ISSN(Online) : 1548-7741.
12. **Performance Analysis of Software Implementation of Reproducing Music from Musical Notes (Mozart)**, published in International Journal on Future Revolution in Computer Science & Communication Engineering, Volume 4, Issue 4, Pg. 283-288, ISSN: 2454-4248 in April, 2018.
13. **Performance Analysis of TCM OSTBC MIMO System in Different Fading Environment**, published in International Journal on Future Revolution in Computer Science & Communication Engineering, Vol-4, Issue-4, Pg. 279-282, ISSN: 2454-4248 in April-2018.
14. **Software Implementation of Reproducing Music from Musical Notes (MOZART)**, published in i-manager's Journal on Image Processing, Volume 04, Issue 03, Pg. 32-35, ISSN: 2349-6827 in March, 2018.
15. **A novel approach of video compression over 4g system using H. 265 standard**, published in Proceedings of the International Conference on Inventive Computing and Informatics (ICICI 2017) IEEE Explore Compliant - Part Number: CFP17L34-ART, ISBN: 978-1-5386-4031-9, in November - 2017.
16. **Simulation Model of DVB-S2 using without and with filter**, published in International Journal of Innovative Research in Science, Engineering and Technology, Vol. 5, Issue 9, Pg. 15601-15606 September - 2016, ISSN: 2319-8753.
17. **Performance of Digital Video Broadcasting (DVB-T) using Filter for 64-QAM**, published in International Journal of Engineering Trends and Technology Volume 38, Issuer 2, Pg. 71-74., ISSN: 2231-5381 in August 2016.
18. **Performance Evaluation of Image Reconstruction Using Hybridization of Lossy Image Compression Techniques**, published in Journal of Information, Knowledge and Research in Electronics and Communication Engineering, Nov 15-Oct 16, Volume 04, Issue 01, Pg. 1322-1326, ISSN: 0975-6779.
19. **Implementation of Hybrid MIMO over IEEE 802.16 using Real Time Speech Signal** presented and published in International Journal of Advanced Technology in Engineering and Science, Vol. 04, Issue 01, ISBN: 978-81-932074-0-6 in January 2016. The paper is awarded as Best Paper Presented in 3rd International Conference on Science, Technology and Management held at India International Center, New Delhi
20. **A Novel approach to improve quality of 4G wireless network for H.265/HEVC standard with low data rate**, published in International Journal of Electrical and Electronics Engineering, Vol. 08, Issue 01, Pg. 104-110, ISSN: 2321-2055 in January 2016.
21. **PSD Analysis of Neural Spectrum during Transition from Awake Stage**

to Sleep Stage, published in Journal of Computer Science and Information Technologies, Volumes-06(06), Pg.5384-5389, ISSN: 0975-9646 in 2015.

- 22. Data Security Enhancement with Cryptography – A Combination of Cryptography and Steganography**, published in International Journal of Darshan Institute on Engineering Research & Emerging Technologies, Vol. 4, No. 1, ISSN 2320-7590, in 2015.
- 23. Simulation and Performance Analysis of INTERLEAVE DIVISION MULTIPLE ACCESS in Advance Wireless Communication System**, published in Journal of Information, Knowledge and Research In Electronics and Communication Engineering, Volume 03, Issue 02, Pg. 1156-1161 Nov 14 TO Oct 15, ISSN: 0975 – 6779.
- 24. Deformable Face Fitting Based Drowsiness Detection in Real Time System**, published in CiiT International Journal of Digital Image Processing, Vol 6, No 02, Pg. 52-55, ISSN: 0974-9691, in February 2014.
- 25. Performance Analysis of Different LSB Based Steganography**, published in CiiT International Journal of Digital Image Processing, Volume 05, Issue 04, Pg. 181-183, ISSN: 0974-9691, in April - 2013.
- 26. Performance Evaluation of Edge Detection Techniques in Differential Time Lapse Video**, published in CiiT International Journal Of Digital Image Processing, Volume 05, Issue 04, Pg. 181-183, ISSN: 0974-9691, in April - 2013.
- 27. Feature Extraction for Texture classification – An Approach with Discrete Wavelet Transform**, published in International Journal of Darshan Institute on Engineering Research & Emerging Technologies, Vol. 2, No. 1, Pg. 6-10, ISSN: 2320-7590 in 2013.
- 28. Performance Evaluation of LSB based Steganography for optimization of PSNR and MSE**, presented and published in International Conference on Research & Development in Engineering, Technology & Science, 2013 organized at G K Bharad Institute of Engineering, Rajkot Volume 02, Issue 02, Pg. 505-509, ISSN: 0975 – 6779 in April 7, 2013.
- 29. Wavelet Based Edge Detection Techniques**, published in Journal of Information, Knowledge and Research In Electronics and Communication Engineering, Volume 2, Issue 1, Pg. 373-380 ISSN: 0975 – 6779 in Nov 11 to Oct 12 Issue.
- 30. Dual Layer Data Hiding Using Cryptography and Steganography**, International Journal Of Scientific Engineering And Technology, Volume 1, Issue 4, Pg. 134-138 ISSN: 2277-1581 in October 2012.
- 31. Modeling Simulation and Performance Analysis of WiMax System Using Real Time Image Input**, presented and published in International Conference on Innovative Science And Engineering Technology (ICISSET-2011) organized at V. V. P. Engineering College, Rajkot, on April 8-9, 2011. The paper is awarded as Best Paper presented in the session of International Conference on Innovative Science And Engineering Technology.
- 32. Real Time Application To Generate The Differential Time Lapse Video**, published in International Journal of Advances in Engineering & Technology, Volume 01, Issue 02, Pg. 283-291, E-ISSN: 0976-3945 in July-September 2010.

List of Conference Papers

- 1. A Review of Face and Eye Detection Methods**, presented and published in National Conference on Emerging Trends in Computer & Electrical Engineering, organized at Atmiya Institute of Technology & Science Rajkot, Gujarat, on 7-8, March, 2014
- 2. Simulation and Performance Evolution of Edge Detection Techniques in Differential Time Lapse Video**, presented and published in 2011 IEEE International Conference On Computational Intelligence And Computing Research, organized at Cape Institute of Technology, Kanyakumari Pg. 1044-1047, ISBN: 978-1-61284-693-4 on December 15-18, 2011.

3. **A Novel Approach To Design And Implement Differential Time Lapse Video In Real Time Application**, presented and published in 2011 IEEE International Conference On Emerging Trends In Electrical And Computer Technology (ICETECT), organized at St. Xavier's Catholic College of Engineering, Nagercoil Pg. 731-735, ISBN: 978-1-4244-7926-9 on March 23-24, 2011.
4. **Speech Enhancement in Noise Environment Using Voice Activity Detection and Wavelet Thresholding**, presented and published 2010 IEEE International Conference on Computational Intelligence and Computing Research, organized at Tamilnadu College of Engineering, Coimbatore Pg.1-5, ISBN: 978-1-4244-5967-4 on December 28-29, 2010 doi: 10.1109/ICCIC.2010.5705834.
5. **Bubble Size Determination In Two-Dimensional Fluidized Beds By Decomposing The Power Spectral Density (PSD) Of Pressure Time Series**, presented and published in CHEMCON 2008, organized at Punjab University, Chandigadh, on December 27 – 30, 2008
6. **Time Frequency Analysis of Different Modes Of Bubble Flow In Two-Dimensional Fluidized Bed**, presented and published in CHEMCON 2008, organized at Punjab University, Chandigadh, on December 27 – 30, 2008.
7. **Determination of Transition from Bubbling To Turbulent Fluidization Using Chaotic Analysis In Two-Dimensional Fluidized Bed**, presented and published in CHEMCON 2008, organized at Punjab University, Chandigadh, on December 27 – 30, 2008.
8. **Recent Trends in Mobile TV Technologies**, presented and published in National Conference on Optical and Wireless Communication NCOW 2008, organized at DAV Institute of Engineering and Technology, Jalandhar on November 27-28, 2008.
9. **Mobile TV**, presented and published in Emerging Technologies and Applications in Engineering, Technology and Sciences ICETAETS 2008 organized at Saurashtra University, Rajkot on January 13-14, 2008.

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published	NIL
----------------------	-----

Details of Books

Project Carried out

NIL

Patents


Filled

NIL

Granted

NIL

Department of Electronics & Communication

Name of the Teaching Staff	Prof. Sheron Henry Christy	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	28/07/2011	

Date of Birth	24/05/1987
----------------------	------------

AICTE Unique id	1-759692256
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	NA
	UG BE	Electronics and Communication
	PG ME	Digital Communication
	Ph.D.	NA

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
12	NA	NA	NA	NA

Area of Specialization	Image Processing
-------------------------------	------------------

Course taught at	
Level	Subject
Diploma Level	NA
Post Diploma Level	NA
Under Graduate Level	Basic Electronics, Analog Electronics, Satellite Communication, Digital Fundamentals, Indian Constitution, Optical Communication, Image Processing
Post Graduate Level	Satellite Communication, Remote Sensing, Constitution of India, Video Processing, Fundamentals of Optical Communication
Post Graduate Diploma Level	NA

Research guidance (Number of Student)				
Master	Completed	3	On-going	0
Ph.D.	Completed	NA	On-going	0

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	4	5	1	4

Research Publication
List of Journal Papers
Research Paper entitled "Role of Satellite Sensors & GIS in discrete phases of Disaster Management" published in Journal of Remote Sensing & GIS (e-ISSN: 2230-7990) Volume 13 Issue 3 December 2022.
Research Paper entitled "An analysis of remote sensing sensor issues and sensor cross calibration" published in International Journal of Engineering applied sciences and technology (e-ISSN: 2455-2143) Volume 6 Issue 1 May 2021.
Research Paper entitled "Identification of Brain Tumor from MRI Images using Segmentation" published (free) in Journal of Image Processing and Artificial Intelligence (e-ISSN: 2581-3803) Volume 6 Issue 2 Year 2020.
Research Paper entitled "Roads Extraction from Satellite Images using Segmentation" published (free) in Journal of Image Processing and Artificial Intelligence (e-ISSN: 2581-3803) Volume 6 Issue 2 Year 2020.
Research Paper entitled "Extraction of road from satellite images using morphology and active contours" published in UGC Approved Journal of Artificial Intelligence Research & Advances, Volume 6, Issue 1, ISSN: 2395-6720 (Online).
Research Paper Entitled "A novel approach for desired information extraction from brain MRI images using harris corner detector followed by region growing on marker controlled watershed segmentation" in International Journal of Engineering Science and Futuristic Technology (IJESFT), Volume 3, Issue 11, ISSN : 2454-1338 (Online) ISSN : 2454-1125 (Print) in December 2017.
Research Paper Entitled "Comparative Analysis of various thresholding techniques, region based techniques and watershed technique for Image segmentation of Satellite and MRI Images" in International Journal of Advance Engineering and Research Development (IJAERD), Volume 4, Issue 3, e-ISSN (Online): 2348-4470, p-ISSN (Print): 2348-6406 in March 2017.
Research Paper Entitled "Comparative Analysis of various channel estimation techniques in next generation wireless communication system" in International Journal for Universal Science & Technology (IJUST), Volume 1, Issue 1 (ISBN No. 2454-3470) as a co-author with Mr. Gaurang Chachcha in May 2015.
Research Paper Entitled "Performance Evaluation of Image Segmentation using Fuzzy C Means Clustering" in E-Journal (International Journal of Engineering Development an Research (IJEDR)), Volume 2, Issue 1, March 2014.
List of Conference Papers
Research paper entitled "A novel approach to extract road from speckle noise corrupted satellite images using anisotropic diffusion filter and morphology" in IEEE's 5th International Conference for Convergence in Technology (I2CT) Pune on 31st March 2019.
Research paper entitled "A novel approach for extricating information from speckle noise corrupted color brain MRI images using morphological enhancement followed by watershed and region growing based segmentation" in IEEE's 3rd International Conference for Convergence in Technology (I2CT) Pune on 8th April 2018.
Research Paper Entitled "Edge and Region based Image Segmentation using Morphological Residue Edge Detection and Harris Corner Detector for Feature Tracking" in International Conference on Innovative Technologies in Engineering and Sciences (ITES 2012) at V.V.P. Engineering College, Rajkot, published in ISSN: 0975-4202.
Research Paper entitled "Contour based Image Segmentation using Morphological Residue Edge Detection and Harris Corner Detector" in International Conference on Innovative Science and Engineering Technology (ICISSET 2011) at V.V.P. Engineering College, Rajkot, published in ISBN 978-81-906377-5-6.
Research Paper entitled "Review of Recent Stages of Color Segmentation Techniques", in Second National Conference on Emerging Vistas of Technology in

21st Century (NCEVT'10) at Parul Institute of Engineering & Technology, Limda, Vadodara, December 2010.

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published	NA
-----------------------------	----

Details of Books

Nil

Project Carried out

2

Patents

Filled


NA

Granted

NA

Nil

Department of Electronics & Communication

Name of the Teaching Staff	Bhalani NirmalKumarRasiklal	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Ragular	
Joining Date at Institute	17-02-2010	

Date of Birth	21/11/1987
----------------------	------------

AICTE Unique id	1-448085525
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	Electronics and Communication
	PG ME/M.Tech	VLSI Design
	Ph.D.	--

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
12.6	--	--	0.7	--

Area of Specialization	VLSI Design
-------------------------------	-------------

Course taught at	
Level	Subject
Diploma Level	NA
Post Diploma Level	NA
Under Graduate Level	VLSI, Digital Logic design, Embedded System, Testing and Verification, Sensor and Transducer
Post Graduate Level	Digital Signal processing, DSP Architecture, ASIC Design, Business Analytics
Post Graduate Diploma Level	NA

Research guidance (Number of Student)				
Master	Completed	1	On-going	NIL
Ph.D.	Completed	NIL	On-going	NIL

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	0	2	0	4


Research Publication
List of Journal Papers
NodeMCU based Electrical Appliances control using internet of things and network of things" in IJCA(international Journal of Computer Application
Implementation of Karaoke Machine on the DSK6713" in International Journal of Computer Applications.
List of Conference Papers
IoT and NoT based home automation.
On constant BER analysis for adaptive modulation in WiMAX MISO system.
Karaoke Machine implementation and validation using Out of Phase Stereo method
Performance Analysis of Speech Transcription as Physical Layer Perspective Over IEEE 802.11

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	Nil
Details of Books	
Nil	

Project Carried out
IoT BASED ADVANCED HEALTH MONITORING SYSTEM

Patents	Filled	0	Granted	0

Department of Electronics & Communication

Name of the Teaching Staff	Sardhara Ravin Nathalal	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	08/10/2010	

Date of Birth	15/01/1985
----------------------	------------

AICTE Unique id	1-448085605
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	NA
	UG BE/B.Tech	Electronics and Communication
	PG ME/M.Tech	Digital Communication
	Ph.D.	NA

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
12 Years	NIL	NIL	2.5 Years	NIL

Area of Specialization	Embedded System
-------------------------------	-----------------

Course taught at	
Level	Subject
Diploma Level	NIL
Post Diploma Level	NIL
Under Graduate Level	Digital Electronics, Micro Controller and Interfacing, Embedded system, Python Programming
Post Graduate Level	Optic Communication
Post Graduate Diploma Level	NIL

Research guidance (Number of Student)
--

Master	Completed	2	On-going	NIL
Ph.D.	Completed	NIL	On-going	NIL

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	0	4	0	6


Research Publication
List of Journal Papers
Node MCU based Electrical Appliances control using internet of things and network of things
implementation of smart blind stick with location tracker and voice acknowledge using Raspberry pi
Differential Protection Of Transformer Using Arduino With GSM And Voice Circuit
Development and Performance Evaluation of. Supervisory Control for Proto -Type Cryoline. Test Facility using CODAC Core System
List of Conference Papers
Hybrid solution of smart food farming of Gujarat region specific
Smart food farming using wireless sensor Network
IoT and NoT based home automation
A Real Time Approach for Secure Text Transmission Using Video Cryptography
Real Time Implementation of Differential Time Lapse Video
Ant Colony Optimization and Gradient for Capacitor Placement in Electrical Systems

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	
Details of Books	

Project Carried out
IoT based real time implementation of Smart Gas Metering System

Patents	Filled	3	Granted	0
----------------	---------------	----------	----------------	----------

Biotechnology Engineering Department

Name of the Teaching Staff	Ms.Pooja V Chavda	
Designation	I/c. HOD & Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	01/06/2009	

Date of Birth	21/01/1987
----------------------	------------

AICTE Unique id	1-462373149
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	-
	UG BE/B.Tech	B.E. Biotechnology
	PG ME/M.Tech	M.E. Chemical
	Ph.D.	-

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
14	-	-	-	-

Area of Specialization	Chemical Engineering
-------------------------------	----------------------

Course taught at	
Level	Subject
Diploma Level	-
Post Diploma Level	-
Under Graduate Level	Cell Biology, Biochemistry, Molecular Biology, Biochemical Engineering.
Post Graduate Level	--
Post Graduate Diploma Level	--

Research guidance (Number of Student) -				
Master	Completed	-	On-going	-
Ph.D.	Completed	-	On-going	-

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	3	2	2	1

Research Publication
List of Journal Papers
➤ Published a paper entitled “Optimization of In-House PCR – SSP Techniques for HLA B27 detection in Saurashtra Patients” in International Journal of Modern Engineering Research, Vol 2, Issue 3, May – June 2012 Pg 996 - 1000.
➤ Published a paper entitled “Effect of Draft Tube Height and Superficial Gas Velocity on liquid circulation in Rectangular Air lift Loop Reactor” in International Journal of Science, Engineering and Technology, Vol 3, Issue 1, Jan-Feb 2015, Pg 347-349.
➤ Published a paper entitled “Effect of Draft Tube, its Height and Air Flow Rate on Growth Kinetics of Baker’s Yeast in Bubble Column” in Research & Reviews: A Journal of Biotechnology, Vol 7, Issue 3, 2017, Pg 28 – 32.
➤ Published a paper entitled “A Review on Micropropagation of Rare Plant Species: Ashwagandha” in Research & Reviews: A Journal of Botany, Vol 7, Issue 3, 2018, Pg 1 – 6.
➤ Published a Paper entitled “Study and Detection of Different Adulteration in Milk: A Comprehensive Review” in Research & Reviews: Journal of Dairy Science and Technology, Volume 9, Issue 1 (2020).
List of Conference Papers
➤ Worked as one of the Authors in a paper presented and published titled “Biodiesel-An alternative Fuel Resource for Rural Development” in National Conference on “Alternative Energy Sources for Rural Development” at ParvatibaiGenbaMoze College of engineering, Wagholi, Pune sponsored by University of Pune on 31 st Jan., 2009.
➤ Presented a Poster on “Extraction of Caffeine from Tea Waste” at 7 th BIOPROCESSING INDIA CONFERENCE organized by CSIR-CFTRI, AFSTI and DRDO-DFRL during 14-16 December, 2019 at CSIR CFTRI, Mysuru, India.
➤ Presented a Paper “Optimization of Parameters for Caffeine Extraction from Enzymatically Treated Tea Waste “ in 3 rd International Conference on Waste Management – Recycle 2020 held at IIT Guwahati on 13 th and 14 th February 2020.

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	---
Details of Books -	--


Project Carried out ---

Nil

Patents	Filled	-	Granted	-
Nil				

V.V.P. ENGINEERING COLLEGE, RAJKOT

Biotechnology Engineering Department

Name of the Teaching Staff	Shreyas Dhuliya	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	02 nd January 2017	

Date of Birth	10 th August 1987
----------------------	------------------------------

AICTE Unique id	1-3374794609
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	--
	UG BE/B.Tech	Biotechnology
	PG ME/M.Tech	Biotechnology
	Ph.D.	----

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
6 years 6 months	---	---	6 months	--

Area of Specialization	Biotechnology
-------------------------------	---------------

Course taught at	
Level	Subject
Diploma Level	----
Post Diploma Level	----
Under Graduate Level	Biochemistry, Cell biology, Bioinformatics, Advanced molecular biology, Mechanobiology, Animal cell culture, Agriculture and Food Biotechnology, Enzymes and Proteins, conscience and consciousness
Post Graduate Level	----
Post Graduate Diploma Level	---

Research guidance (Number of Student)				
Master	Completed	---	On-going	----
Ph.D.	Completed	---	On-going	----

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	--	--	--	--

Research Publication
List of Journal Papers : NIL
List of Conference Papers : NIL

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	Nil
Details of Books	
	Nil

Project Carried out
Nil

Patents	Filled	---	Granted	--
		Nil		

Biotechnology Engineering Department

Name of the Teaching Staff	Miss Kansagara Urmi Hiteshbhai	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	21-09-2022	

Date of Birth	25-05-1998
----------------------	------------

AICTE Unique id	1-43537302620
------------------------	---------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	-
	UG BE/B.Tech	B.Sc. Biotechnology
	PG ME/M.Tech	M.Sc. Biotechnology
	Ph.D.	-

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
01 years	-	-	-	-

Area of Specialization	Biotechnology
-------------------------------	---------------

Course taught at	
Level	Subject
Diploma Level	-
Post Diploma Level	-
Under Graduate Level	Biostatistics, Advanced Molecular Biology, Tissue Culture, Bioenergy, Cell Biology, Basic Biochemistry, Mechanobiology
Post Graduate Level	-
Post Graduate Diploma Level	-

Research guidance (Number of Student)
--

Master	Completed	-	On-going	-
Ph.D.	Completed	-	On-going	-

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	-	-	-	-


Research Publication
List of Journal Papers : -
List of Conference Papers : --

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	-
Details of Books	
	-

Project Carried out
-

Patents	Filled	-	Granted	-
		-		

Department of Civil Engineering

Name of the Teaching Staff	Dr. Jitendra Vasantlal Mehta	
Designation	Associate Professor & HOD	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	19-08-1997	

Date of Birth	01-10-1971
----------------------	------------

AICTE Unique id	1-448085637
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	NA
	UG BE/B.Tech	Civil Engineering
	PG ME/M.Tech	Water Resources and Management
	Ph.D.	Civil Engineering

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
26	Nil		01	

Area of Specialization	Water Resources and Management
-------------------------------	--------------------------------

Course taught at		
Level	Subject	
Diploma Level	Nil	
Post Diploma Level	Nil	
Under Graduate Level	1	Civil Engineering Drawing
	2	Surveying - I
	3	Engineering Mechanics
	4	Fundamental of Civil Engineering
	5	PSME

	6	FORTTRAN - IV
	7	Programming Language C
	8	QBASIC (Dos Base)
	9	DOS (Disk Operating System)
	10	Mechanics of Solids
	11	Concrete Technology
	12	Structural Analysis -I
	13	Structural Analysis -II
	14	Structural Analysis-III
	15	Environmental Science
	16	Environmental Engineering
	17	Irrigation Engineering
	18	Design of Hydraulic Structures
	19	Element of Civil Engineering
	20	Construction Management
	21	Fluid Mechanics
	22	Applied Fluid Mechanics
	23	Fluid Mechanics & Hydrology
	24	Strength of Materials
	25	Water Resources Engineering And Hydrology
	26	Environmental Impact Assessment
Post Graduate Level	NIL	
Post Graduate Diploma Level	NIL	

Research guidance (Number of Student)

Master	Completed	NIL	On-going	
Ph.D.	Completed	NIL	On-going	

No. of papers published

16	National Journal	International Journal	National Conference	International Conference
	0	8	2	6

Research Publication

List of Journal Papers

1	"A PARAMETRIC STUDY OF SIMPLE FOOTING AND PILED RAFT" , International Journal of Engineering Development and Research, ISSN:2321-9939, Volume 3 Issue 4, December 2015
2	"Effect of Fly Ash and Used Foundry Sand on Flexural Strength of RPC",

	International Journal of Advance Engineering and Research Development, ISSN:2249-8753, Volume 8 Issue 2, August 2018
3	“SEM ANALYSIS OF NANO CARBON BLACK CONCRETE”, International Journal of Creative Research Thoughts, ISSN:2320-2882, Volume 6 Issue 2, April 2018
4	“SWELLING POTENTIAL OF DIFFERENT EXPANSIVE SOIL AT DIFFERENT DRY DENSITY & INITIAL WATER CONTENT BY CONSTANT VOLUME METHOD”, International Journal of Innovative Research in Science, Engineering and Technology, ISSN:2319-8753, Volume 7 Issue 3, March 2018
5	“COMPARATIVE STUDY ON EFFECT OF EXPANSIVE SOIL PROPERTIES WHILE USING STABILIZER AS LIME FLY ASH AND CEMENT DUST MANUFACTURING WASTE”, Journal of Emerging Technologies and Innovative Research, ISSN: 2349-5162, Volume 6 Issue 3, March 2019
6	“COMPARISON OF CONSTANT VOLUME AND CONSOLIDOMETER METHOD FOR SWELLING POTENTIAL OF DIFFERENT EXPANSIVE SOIL PLACED AT DIFFERENT DRY DENSITY AND INITIAL”, Journal of Emerging Technologies and Innovative Research, ISSN: 2349-5162, Volume 7 Issue 7, July 2020
7	“FEA FOR CONFINED MASONRY WALL FRAME CONNECTION IN ANSYS”, ISSN: 2394-3114, Volume 40 Issue 9, February 2020
8	“STUDY EFFECT OF DEPTH AND SURFACE AREA ON EVAPORATION LOSSES FROM TANKS”, Journal of Emerging Technologies and Innovative Research JETIR International Journal UGC Approved (Journal No: 63975), ISSN: 2349-5162, Volume 10 Issue 1, January 2023

List of Conference Papers

1	“Computer Aided Design of Plus (+) Shape Short R.C.C Column for Axial Load & Biaxial Bending as per Is 456”, in International Conference of Information, knowledge & Research in Engineering, Technology & Sciences-2012, March 2012
2	“Reduction of Power Cost by the Selection of Appropriate Pipe Material for Water Supply Distribution Schemes”, International Conference of Information, knowledge & Research in Engineering, Technology & Sciences-2012, March-2012
3	“Economics and Study Under Border Irrigation on Groundnut Crop at Various Water Application Levels”, in International Conference of Information, knowledge & Research in Engineering, Technology & Sciences-2012, March 2012
4	“Socio-Economical Analysis for Utilization of Surplus Narmada Water in Saurashtra Region by Canal Networking with Using of GIS”, in International Conference of Information, knowledge & Research in Engineering, Technology & Sciences-2012, March 2012
5	“Evaporation Control and Clean Energy Generation Using Solar Panel”, in International Conference of Information, knowledge & Research in Engineering, Technology & Sciences-2012, March 2012
6	“Economic Distribution of Water Resources in the Water Supply Scheme using Transportation Programming”, in National Conference of Technology & Management, January 2012
7	“Use of Solar Panel to Control Evaporation Losses from Surface of Nyari Reservoir”, in National Conference on Emerging Trends in Advanced Technology in Engineering & Information Technology, November 2013

8	"Reduction of Evaporation by Covering Surface of Lalpari Lake", in International Conference 2015 "Emergence of India as a Global Economy: Challenges and Opportunities, January 2015
---	--

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published	NIL
----------------------	-----

Details of Books


--

Project Carried out

NIL

Patents	Filled		Granted	
NIL				

Department of Civil Engineering

Name of the Teaching Staff	Nagecha Keyur Vinodrai	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	01-06-2011	

Date of Birth	02-09-1975
----------------------	------------

AICTE Unique id	1-1519931948
------------------------	--------------

Education Qualifications	Degree	Branch
	Diploma	-

(Mention all)	UG BE/B.Tech	Civil Engineering
	PG ME/M.Tech	Town and Regional Planning
	Ph.D.	

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
20 years 6 months	--	--	06	--

Area of Specialization	Town and Regional Planning
-------------------------------	----------------------------

Course taught at	
Level	Subject
Diploma Level	-
Post Diploma Level	-
Under Graduate Level	Environmental Studies Mechanics of Solids Elements of Civil Engineering Building and Town Planning Disaster Assessment using GeoSpatial Techniques Environmental Engineering Water and Wastewater Engineering Professional Practice and Valuation Construction Management Advance Construction and Equipments Remote Sensing and GIS Integrated Personality Development Cyber Security Design Engineering Building Construction Engineering Economics, Estimating and Costing Construction Engineering and Management
Post Graduate Level	-
Post Graduate Diploma Level	-

Research guidance (Number of Student)
--

Master	Completed	-	On-going	-
Ph.D.	Completed	-	On-going	-

No. of papers published				
04	National Journal	International Journal	National Conference	International Conference
	--	03	01	--


Research Publication
List of Journal Papers
Comparative study of IS 456:2000 & Eurocode 2: EN 1992-1-1 for design of R. C. C. Beam Journal of Emerging Technologies and Innovative Research March 2020
study of height on response reduction factor of RC water tank in zone IV INTERNATIONAL JOURNAL OF ENGINEERING DEVELOPMENT AND RESEARCH May 2016
swelling pressure of different expansive soil placed at different dry density and initial water content International Journal of Advance Engineering and Research Development April 2015
List of Conference Papers
Evaluation of Housing Projects : LOC approach National Conference on Emerging Technologies and Applications (ETA 2006) October 2006

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	-
Details of Books - Nil	

Project Carried out Nil

Patents	Filled	--	Granted	--

Department of Civil Engineering

Name of the Teaching Staff	Dr. Hitesh Ashani	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	03/09/2012	

Date of Birth	17/07/1977
----------------------	------------

AICTE Unique id	1-1476210065
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	Civil Engineering
	UG BE/B.Tech	BE – Civil Engineering
	PG ME/M.Tech	ME – Water Resource Engineering
	Ph.D.	Civil Engineering

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
14 Y	NA	04 Y	06 Y	NA

Area of Specialization	Water Resource Engineering
-------------------------------	----------------------------

Course taught at	
Level	Subject
Diploma Level	
Post Diploma Level	

Under Graduate Level	Elements of Civil Engineering Basic Civil Engineering Building Construction & Technology Surveying Advance Surveying Remote Sensing and GIS Hydrology & Water Resource Engineering Water Resource Engineering & Hydrology Irrigation Environmental Impact Assessment Design of Hydraulic Structure Environmental Engineering Advance Construction and Equipment Building Construction Workshop Project Design Engineering
Post Graduate Level	
Post Graduate Diploma Level	

Research guidance (Number of Student)				
Master	Completed	--	On-going	--
Ph.D.	Completed	--	On-going	--

No. of papers published				
10	National Journal	International Journal	National Conference	International Conference
	01	06		03
Research Publication				
List of Journal Papers				
1. Role Of Nanotechnology In Concrete A Cement Based Material: A Critical Review On Mechanical Properties And Environmental Impact				
2. Review On Potential Of Nanotechnology And It's Application Opportunities In Civil Engineering Domain For Sustainable And Environmental Friendly Infra				
3. SEM Analysis Of Nano Carbon Black Concrete				
4. A Critical Review On The Significance Of Geographical Information System In Civil Engineering				
5. Dispersion Of Nano Carbon Black In Cement Paste Using Ultra Sonication To Improve The Properties Of Concrete				
6. Study Effect Of Depth And Surface Area On Evaporation Losses From Tanks				

7. Groundwater Potential, Status, And Its Recharge Behaviour Under Climate Change Consequence

List of Conference Papers

1. Reduction Of Power Cost By The Selection Of Appropriate Pipe Material For Water Supply Distribution Schemes
2. Evaporation Control And Clean Energy Generation Using Solar Panel
3. Amalgamation of nano Carbon for the advancement of the performance in mechanical properties of the concrete: A cementitious material

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published	--
Details of Books	---


Project Carried out 01

Project title: Use of nanomaterial for making of economical, durable concrete with desired strength and reduction of emission of greenhouse gases.

Grant Received from GUJCOST : Rs. 6,85, 400 /-

Patents	Filled	--	Granted	--
Award Received				
Gandhian Young Technological Innovation Award at Rashtrapati Bhavan, New Delhi.				

Department of Civil Engineering

Name of the Teaching Staff	Shah Jignesh Arvindbhai	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	15-06-2015	

Date of Birth	17-06-1965
----------------------	------------

AICTE Unique id	1-2657984553
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	BE(Civil)
	PG ME/M.Tech	ME(WREM)
	Ph.D.	--

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
11	--	--	18	--

Area of Specialization	Water Resources Engineering
-------------------------------	-----------------------------

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	Elements of Civil Engineering, Basic Civil Engineering, Surveying, Advance Surveying, Building Construction Technology, Hydrology and Water Resources Engineering,

	Advance Construction Equipment, Irrigation Engineering, Infrastructures for Smart City, Port and Harbour
Post Graduate Level	
Post Graduate Diploma Level	

Research guidance (Number of Student)				
Master	Completed	--	On-going	--
Ph.D.	Completed	--	On-going	--

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	2	7		

Research Publication	
List of Journal Papers	
1	'Cotton crop performance and economics under drip irrigation at various water application levels' in Peripex Indian Journal of Research ,April 2012
2	'cotton crop response to thermal regimes under surface irrigation at stress free water application level' in Peripex Indian Journal of Research ,April 2012
3	'Scour around a bridge pier- A Review' in International Journal of Advance Research in Engineering Science and Technology (IJAREST), April 2017
4	Degradation in channel and its medelling -A Review in International Journal of Advance Research in Engineering Science and Technology (IJAREST), April 2017
5	A Review on Potential of Nanotechnology and it's applications opportunities in civil engineering domain for sustainable and environmental friendly infrastructure development for economic growth in International journal of Innovative Research in Science, Engineering and Technology, June 2017
6	Identification of water storage site using GIS and Analytical Hierarchy Process- A review' in Journal of Emerging Technologies and Innovative Research (JETIR), March 2019
7	'Study of Engineering Parameter of Expansive Soil by Using Stabilizing Material Geopolymer and Lime' in Journal of Emerging Technologies and Innovative Research (JETIR), March 2019
8	'Comparative Study Of IS 456:2000 & Eurocode 2: EN 1992-1-1 For Design Of R.C.C Beam' Journal of Emerging Technologies and Innovative Research (JETIR) ,March 2020
9	'A REVIEW RESEARCH PAPER ON SELF CONSOLIDATING CONCRETE' Published In JETIR (www.jetir.org), March 2023


List of Conference Papers
Nil

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	Nil
Details of Books Nil	

Project Carried out

Patents	Filled	--	Granted	--
---------	--------	----	---------	----

Department of Civil Engineering

Name of the Teaching Staff	Kinjal P. Rank	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	1/7/2013	

Date of Birth	18/12/1987
---------------	------------

AICTE Unique id	1-1519775552
-----------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	Civil Engineering
	PG ME/M.Tech	Geotechnical engineering
	Ph.D.	

Work Experience (in year)

Teaching Degree	Teaching Diploma	Research	Industry	Other
10	-	-	-	-

Area of Specialization	Geotechnical engineering
-------------------------------	--------------------------

Course taught at	
Level	Subject
Diploma Level	Nil
Post Diploma Level	Nil
Under Graduate Level	Elements of Civil Engineering Water and Wastewater Engineering Construction Management Design Engineering Construction Engineering and Management Geotechnical engineering-1 Geotechnical engineering-11 Foundation engineering Soil mechanics Transportation engineering Repair and rehabilitation of concrete structures Traffic engineering Geotechnics and applied geology Railway and airport engineering Urban transportation planning Traffic engineering and management
Post Graduate Level	Nil
Post Graduate Diploma Level	NIL

Research guidance (Number of Student)				
Master	Completed	--	On-going	--
Ph.D.	Completed	--	On-going	--

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
Research Publication				


List of Journal Papers:	
1.“Comparative Study on Effect of Expansive Soil Properties While Using Stabilizer as Lime Fly ash And Cement Dust Manufacturing Waste” in JETIR, Vol. 6, Issue-3, March-19, ISSN No. 2349-5162.	
2.“Swelling Potential of Different Expansive Soil Placed At Different Dry Density and Initial Water Content by Constant Volume Method” in IJIRSET, Vol. 7, Issue-7, March-2018, ISSN No. 2347-6710.	
3.“Geo Polymer Concrete with Base Material as a Fly Ash Base Material” in IJAERD, Vol.-3, Issue-4, December-2017, ISSN No. 2348-6406.	
4. “A Parametric Study of Simple Footing and Piled Raft” in IJEDR, Vol.3, Issue-4, December-2015, ISSN No. 2321-9939.	
5. “Swelling Potential of Different Expansive Soil Placed At Different Dry Density and Initial Water Content” in IJAERD, Vol.2, Issue-3, March-2015, ISSN No. 2348-6406.	
6.Using Brick Dust Manufacturing Waste and Cement Dust Manufacturing Waste as Stabilizing Material for Expansive Soil in Journal of Emerging Technologies and Innovative Research,february 2020	
7. Comparison of Constant Volume And Consolidometer Method For Swelling Potential Of Different Expansive Soil Placed At Different Dry Density And Initial Water Content july 2020	
8.study Effect Of Depth And Surface Area On Evaporation Losses From Tanks.January-2023	
9.Study Of Comparative Experiment On Expansive Soil By Stabilizing Material Geopolymer And Cement Manufacturing Dust January-2023	
10.Study Of Engineering Parameter Of Expansive Soil By Using Stabilizing Material Lime Fly Ash And Brick Dust Manufacturing Waste.March 2022	
List of Conference Papers	
Nil	

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	NIL
Details of Books	NIL

Project Carried out	NIL
----------------------------	------------

Patents	Filled		Granted	
----------------	---------------	--	----------------	--

Department of Civil Engineering

Name of the Teaching Staff	Gaurav Kantilal Parmar	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	03-07-2013	

Date of Birth	29-01-1990
----------------------	------------

AICTE Unique id	
------------------------	--

Education Qualifications (Mention all)	Degree	Branch
	Diploma	Civil Engineering
	UG B.Tech	Civil Engineering
	PG M.Tech	Computer Aided Structural Analysis and Design (CASAD)
	Ph.D.	-

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
10 years	--	--	2 Years	--

Area of Specialization	Computer Aided Structural Analysis and Design
-------------------------------	---

Course taught at	
Level	Subject
Diploma Level	-
Post Diploma Level	-
Undergraduate Level	Mechanics of Solids Concrete Technology Structural Analysis Design of Structure Design of Reinforced Concrete Structure

	Design of Steel Structure Earthquake Engineering
Post Graduate Level	-
Post Graduate Diploma Level	-

Research guidance (Number of Student)				
Master	Completed	-	On-going	-
Ph.D.	Completed	-	On-going	-

No. of papers published				
08	National Journal	International Journal	National Conference	International Conference
	01	06	01	--

Research Publication
<p>1 Experimental investigation of RC Beam-Column Assemblies under Column Removal Scenario, Nirma University of Journal of Engineering and Technology Nirma University, Ahmedabad July-Dec 2014</p> <p>2 Comparative study of R.C.C. & Steel-Composite Structure International Conference on Automation on Industries, Junagadh April 2016, ISBN NO. 978-93-85016-99-8</p> <p>3 Geo Polymer concrete with base material as a FLY ash material international journal of advance engineering and research development IJAERD2017VO4I0341682</p> <p>4 Review on Potential of Nanotechnology & it's application Opportunities in Civil Engineering Domain for Sustainable and Environmental Friendly Infrastructure Development for Economic Growth, International journal of Innovative research in science, Engineering and Technology, June 2017, ISSN: 2319-8753</p> <p>5 Comparative Study on IS 456:2000 & Euro code 2 EN 1992-1-1 for analysis and design of R.C.C Beam. National Conference on Emerging research and innovation in civil engineering Dr. S. S. Gandhi Govt. Engineering College-Surat ISBN No.:978-93-53463-53-3</p> <p>6 Earthquake vibration control using shear wall Journal Emerging technologies and innovative research JETIR March 2020, ISSN 2349-5162</p> <p>7 COMPARATIVE STUDY ANALYSIS & DESIGN OF RESIDENTIAL BUILDING USING MANUAL & COMPUTER SOFTWARE, Journal Emerging technologies and innovative research JETIR April 2021, ISSN 2349-5162</p>

8 A STUDY ON CONCRETRE BLOCK AND PAVER BLOCK USING WASTE CONSTRUCTION MATERIAL, Journal Emerging technologies and innovative research JETIR April 2022, ISSN: 2349-5162

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published

-

Details of Books - Nil

Project Carried out Nil

Patents


Filled

--

Granted

--

Department of Civil Engineering

Name of the Teaching Staff	Mr. Jaydeep Bhanderi	
Designation	Asst. Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	01-01-2014	

Date of Birth	23-12-1987
----------------------	------------

AICTE Unique id	1-2190159870
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	B. E. - Civil Engineering
	PG ME/M.Tech	M. Tech – Geotechnical Engineering
	Ph.D.	

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
13				Educational

Area of Specialization	Geotechnical Engineering
-------------------------------	--------------------------

Course taught at	
Level	Subject
Diploma Level	Nil
Post Diploma Level	Nil
Under Graduate Level	Geotechnical Engineering, Soil Mechanics, Foundation Engineering, Fluid Mechanics, Applied Fluid Mechanics, Urban Transportation System, Pavement Design and Highway Construction, Transportaion Engineering, Highway Engineering.
Post Graduate Level	Nil
Post Graduate Diploma Level	Nil

Research guidance (Number of Student)				
Master	Completed	Nil	On-going	Nil
Ph.D.	Completed	Nil	On-going	Nil

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	-	7	1	-

Research Publication
List of Journal Papers
1. COMPARISON OF CONSTANT VOLUME AND CONSOLIDOMETER METHOD FOR SWELLING POTENTIAL OF DIFFERENT EXPANSIVE SOIL PLACED AT DIFFERENT DRY DENSITY in Journal of Emerging Technologies and Innovative Research
2. Using Brick Dust Manufacturing Waste and Cement Dust Manufacturing Waste as Stabilizing Material for Expansive Soil in Journal of Emerging Technologies and Innovative Research
3. Swelling Potential of Different Expansive Soil Placed At Different Dry Density and Initial Water Content by Constant Volume Method in International Journal of Innovative Research in Science, Engineering and Technology
4. GEO POLYMER CONCRETE WITH BASE MATERIAL AS A FLY ASH BASE MATERIAL in International Journal of Advance Engineering and Research Development
5. A Parametric Study of Simple Footing and Piled Raft in International Journal of Engineering Development and Research
6. Swelling Potential Of Different Expansive Soil Placed At Different Dry Density And Initial Water Content in International Journal of Advance Engineering and Research Development
7. Study Of Comparative Experiment On Expansive Soil By Stabilizing Material Geopolymer And Cement Manufacturing Dust in Journal of Emerging Technologies and Innovative Research.
List of Conference Papers
1. An Experimental Study of Pile Supported Strip Footing Having Various Pile Spacing in National Conference on Recent Trends in Engineering & Technology


No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	
Details of Books	
Nil	

Project Carried out
Nil

Patents	Filled		Granted	
Nil				

V.V.P. ENGINEERING COLLEGE, RAJKOT

Department of Civil Engineering

Name of the Teaching Staff	Prof. Bhargav H. Gokani	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	02/06/2016	

Date of Birth	13/07/1992
----------------------	------------

AICTE Unique id	1-3373946147
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	B.E. Civil
	PG ME/M.Tech	M.E. Civil (Structural Engineering)
	Ph.D.	

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
7+		7+	1	

Area of Specialization	Structural Engineering
-------------------------------	------------------------

Course taught at	
Level	Subject
Diploma Level	
Post Diploma Level	
Under Graduate Level	Mechanics of Solids, Concrete Technology, Structural Analysis-I, Structural Analysis-II, Elements of Civil Engineering, Professional Practice and Valuation.
Post Graduate Level	
Post Graduate Diploma Level	

Research guidance (Number of Student)				
Master	Completed	--	On-going	--
Ph.D.	Completed	--	On-going	--


No. of papers published				
	National Journal	International Journal	National Conference	International Conference
Research Publication	00	06	00	02
List of Journal Papers				
1. Published Paper in International Journal of Advanced Engineering and Research Development. IJAERD (November 2015) (Impact factor 4.14) Rank 62/18000, Journal Registered in SJIF. 2. Published Paper in International Journal of Engineering Development and Research. IJEDR (2017) (Impact Factor of 4.98) on Effect of fly ash and used foundry sand. 3. Published Paper in STM Journal (2018) in Recent Trends in Civil Engineering & Technology on Reactive Powder Concrete. 4. Published Paper in Journal of Engineering Technologies and Innovative Research JETIR (March 2020) (Impact Factor 5.87) on Comparative Study of IS 456 Euro code 2 EN 1992-1-1 For Design of R.C.C. Beam in March, 2020 5. Paper in Journal of Engineering Technologies and Innovative Research JETIR (April 2022) (Impact Factor 7.95) on A study on concrete block and paver block using waste construction material in April, 2022 6. Published Paper in Journal of Engineering Technologies and Innovative Research JETIR (January 2023) (Impact Factor 7.95) on Study Effect of Depth and Surface Area on Evaporation Losses from Tanks in January, 2023.				
List of Conference Papers				
1. Published Paper in (UKIERI) International Conference on Advances in Concrete Technology, Materials & Construction Practices CTMC (2016) is organized by Goa Engineering College, Farmagudi in association with Government Polytechnic Bicholim and University of Bath, UK. 2. Presented a paper in International Science Symposium on Recent Trends in Science and Technology organized by Christ College, Rajkot affiliated to Saurashtra University (2017).				

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No. of Book Published	1
Details of Books	: Testing and Evaluation of Civil Engineering (Gujarati)

Project Carried out
1. Integrated Approach towards Low Cost Housing 2. Use of Fly ash and Used Foundry Sand in Reactive Powder Concrete 3. RCC Corrosion

Patents	Filled	-	Granted	-
---------	--------	---	---------	---

Department of Civil Engineering

Name of the Teaching Staff	Miss Kajal Palan	
Designation	Assitant Professor	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	02/08/2016	

Date of Birth	27/04/1993
----------------------	------------

AICTE Unique id	13373946994
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	-
	UG BE	Civil Engineering
	PG ME	Structure Engineering
	Ph.D.	-

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
6 years 11 months	nil	nil	nil	nil

Area of Specialization	Structure Engineering
-------------------------------	-----------------------

Course taught at	
Level	Subject
Diploma Level	-
Post Diploma Level	-
Under Graduate Level	Mechanics of Solids Concrete Technology Design of Structures

	Geotechnics & Applied Geology Environmental Sciences Urban Transportation system Construction Management Earthquake Engineering Professional Practices & Valuation Basic Civil Engineering Elementary Structural Design Design of Reinforced Concrete Structures Engineering Economics, Estimation and Costing
Post Graduate Level	-
Post Graduate Diploma Level	-

Research guidance (Number of Student)				
Master	Completed	--	On-going	--
Ph.D.	Completed	--	On-going	--

No. of papers published				
06	National Journal	International Journal	National Conference	International Conference
	-	5	-	1

Research Publication
List of Journal Papers
<ol style="list-style-type: none"> Published paper on "Finite Element Modelling of Wall-Frame Connection for Confined Masonry Structure", in International Journal of Advance Engineering and Research Development, ISSN: 2348-4470, Volume 3 Issue 5, May-2016. Published paper on "FEA for Confined Masonry Wall Frame Connection in ANSYS", in UGC Care Journal, ISSN: 2394-3114, Volume 40 Issue 9 March-2020. Published paper on "The Optimization of Green Time at Indira Circle by Adaptive Traffic Light Timer" in Journal of Emerging Technologies and Innovative Research, (ISSN: 2349-5162) Volume 9 Issue 4 April-2022 Published paper on "Tensegrity Structures" in Journal of Emerging Technologies and Innovative Research, (ISSN: 2349-5162) Volume 9 Issue 3 March-2022 Published Paper in International Journal for Research Trends and Innovation on "Flexible Working Hours: A Bridge Between Personal Life & Work Life", (ISSN: 2456-3315) Volume 8 Issue, February-2023.
List of Conference Papers
<ol style="list-style-type: none"> Presented paper titled "FEA for Confined Masonry Wall-Frame Connection in

ANSYS”, Date: 1st February 2020, in International Conference on Emerging Trends in Engineering & Technology, Organized by School of Emerging and Applied Sciences, Rai University, Ahmedabad, Gujarat.

2.

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published

-

Details of Books

Nil

Project Carried out - Nil

Patents

Filled


-

Granted

-

V.V.P. ENGINEERING COLLEGE, RAJKOT

Department of Civil Engineering

Name of the Teaching Staff	Mr. Dholariya Vijay Rameshbhai	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	04/07/2019	

Date of Birth	27/02/1996
----------------------	------------

AICTE Unique id	
------------------------	--

Education Qualifications (Mention all)	Degree	Branch
	Diploma	-
	UG BE/B.Tech	B.E.(Civil)
	PG ME/M.Tech	M.Planning(Housing)
	Ph.D.	-

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
4 years	-	-	-	-

Area of Specialization	Housing
-------------------------------	---------

Course taught at	
Level	Subject
Diploma Level	
Post Diploma Level	
Under Graduate Level	Building & Town Planning Fluid Mechanics & Hydraulics Engineering Economics, Estimation and Costing Basic Civil Engineering Environmental Science Indian Constitution

	Contracts Management Integrated Personality Development Course
Post Graduate Level	-
Post Graduate Diploma Level	-

Research guidance (Number of Student)				
Master	Completed	-	On-going	-
Ph.D.	Completed	-	On-going	-


No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	1	1	-	-

Research Publication
List of Journal Papers
1.Comparison of constant volume and Consolidometer method for swelling potential of different expansive soil placed at different dry density and initial Water Content in Journal of Emerging Technologies and Innovative Research
2.Study of Comparative experiment on expansive soil by stabilizing material geopolymer and cement manufacturing dust.
List of Conference Papers Nil

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	--
Details of Books	--

Project Carried out --				
Patents	Filled	--	Granted	--

Department of Applied Sciences and Humanities

Name of the Teaching Staff	DR. URJA MANKAD	
Designation	Assistant professor& I/c. HOD	
Appointment Type (Regular/Adhoc)	REGULAR	
Joining Date at Institute	22-9-2010	

Date of Birth	07 TH MAY, 1978
----------------------	----------------------------

AICTE Unique id	1-456800013
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	--
	UG	B.A. (ENGLISH)
	PG	M.A. (ENGLISH)
	Ph.D.	PH.D. (ENGLISH)

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
12 years 6 months	1	-	-	

Area of Specialization	ENGLISH LANGUAGE AND LITERATURE
-------------------------------	---------------------------------

Course taught at	
Level	Subject
Diploma Level	COMMUNICATION SKILLS
Post Diploma Level	-
Under Graduate Level	COMMUNICATION SKILLS, PROFESSIONAL ETHICS, MANAGEMENT
Post Graduate Level	-
Post Graduate Diploma Level	-

Research guidance (Number of Student)				
Master	Completed	0	On-going	0
Ph.D.	Completed	0	On-going	0

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	--	--	4	3

Research Publication
List of Journal Papers
1. Aldous Huxley As The Novelist Of Ideas: INTERNATIONAL JOURNAL OF

ENGLISH LANGUAGE, LITERATURE AND TRANSLATION STUDIES (IJELR): July: 2015	
2.	Writing And Rewriting Of Political History The Novel “1984” By George Orwell: Research Journal of English Language and Literature (RJELAL): September: 2015
3.	Helpless And Hopeless Society: A Prominent Trait Of Dystopian Novels In The 20th Century: INTERNATIONAL JOURNAL OF ENGLISH LANGUAGE, LITERATURE AND TRANSLATION STUDIES (IJELR): October:2015
4.	Assertion Of Individuality Of The Protagonist In Anthem By Ayn Rand: INTERNATIONAL JOURNAL OF ENGLISH LANGUAGE, LITERATURE AND TRANSLATION STUDIES (IJELR): October:2015
5.	Winston’s Diary: Quest For Truth Of Past And Hope For Future In The Novel 1984 By George Orwell: NEW ACADEMIA: AN INTERNATIONAL JOURNAL OF ENGLISH LANGUAGE, LITERATURE AND LITERARY THEORY: October:2015
6.	Aldous Huxley’s Brave New World: A Timid World Of Ignorance And Artificiality: RESEARCH SCHOLAR:AN INTERNATIONAL REFEREED E-JOURNAL OF LITERARY EXPLORATIONS: November : 2015
7.	The History Of Science Fiction Weaving In Itself The Political And Historical Events Of The 20th Century: Research Journal of English Language and Literature (RJELAL): April 2016
8.	Scientific Terminology And Its Interpretation In The Novel Brave New World By Aldous Huxley: RESEARCH SCHOLAR:AN INTERNATIONAL REFEREED E-JOURNAL OF LITERARY EXPLORATIONS: November:2016
9.	Newspeak: The Possible Language In The 21 st Century?: RESEARCH REVIEW: THE ACADEMIC RESEARCH ISSUE: July: 2014
10.	Anthem: Themes Explored: RESEARCH REVIEW: THE ACADEMIC RESEARCH ISSUE: January: 2015
List of Conference Papers	
1.	1984: The Worlds In The Novel And The Movie: A Comparative Study: Ruminations: Andrean Journal of Literature:
2.	Reading of Brave New World with reference to multidisciplinary studies: 29-30-31 March,2010,Rajkot
3.	The Wasteland: fertile in mythical contexts: 27/28 September, 2012, Mumbai
4.	Energy Crisis in India: Solar Power as its solution: 20-21-22 January, 2013
5.	Shakespearean Tragedies through Marxist approach with reference to Hamlet and King Lear: 4-5-6- February, 2017
6.	“Trusteeship” Principle: the survival aid for the corporates in the 21 st Century: 30-31 Jan, 2007 ,Porbandar
7.	Mythology in Indian Writing in English: 16-17 Jan, 2010, Bhayavadar
8.	“Literature and Society”, humanism in Mulk Raj Anand’s Novels: 25-26 July,2008 Mansa

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published	5 books compiled
-----------------------------	------------------

Details of Books

- Essentials Of English: Kamlesh Prakashan Mandir: 978-1-63041-345-3: February 2015
- Objective General English, Grammar and Usages: Kamlesh Prakashan


Mandir: 978-1-63041-621-8: March 2015:
3. Professional Communication: Kamlesh Prakashan Mandir: 978-81-931724-0-7: June 2015
4. Elegant English: Kamlesh PrakashanMandir: 978-93-86103-04-8: April- 2016
5. Functional Grammar And Correspondence In English: Kamlesh Prakashan Mandir: 978-93-86103-05-5: July-2016

Project Carried out: nil

Patents	Filled	NIL	Granted	NIL
----------------	---------------	------------	----------------	------------

V.V.P. ENGINEERING COLLEGE, RAJKOT

Department of Applied Sciences and Humanities

Name of the Teaching Staff	Dr. Kirit N. Kalariya	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	02.01.2019	

Date of Birth	31.05.1984
----------------------	------------

AICTE Unique id	1-456744391
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	B.Sc.	Mathematics
	M.Sc.	Mathematics
	M.Phil.	Mathematics
	Ph.D.	Mathematics
	GSET	Mathematics

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
13 Year	-	3 Year	-	-

Area of Specialization	Mathematics
-------------------------------	-------------

Course taught at Level	Subject
Diploma Level	-
Post Diploma Level	-
Under Graduate Level	Mathematics-1, Mathematics-2, CVPDE, PS, DM, NSM
Post Graduate Level	-
Post Graduate Diploma Level	-

Research guidance (Number of Student)				
Master	Completed	NIL	On-going	NIL
Ph.D.	Completed	NIL	On-going	NIL

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	1	5	3	-

Research Publication


List of Journal Papers
H-Domination In Hypergraphs
Minimal Sets with Maximum Cardinality
Peterson Graph and its Hypergraph
Strong Vertex Covering in Hypergraphs
Transitivity and Parameters Related to Domination
Vertex Covering and Stability in Hypergraphs
Vertex covered Hypergraph
List of Conference Papers
Fractional Vertex Covering number of Regular graphs
H-Restrainedness for Hypergraphs
Roman Domination in Graphs

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	NIL
Details of Books	NIL

Project Carried out
NIL

Patents	Filled	-	Granted	-
----------------	---------------	---	----------------	---

Department of Applied Sciences and Humanities

Name of the Teaching Staff	Dr. Pravin B. Vadhel	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	15-01-2019	

Date of Birth	22/10/1987
----------------------	------------

AICTE Unique id	1-759692046
------------------------	-------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	-
	UG	B.Sc. (Mathematics)
	PG	M.Sc., M.Phil. (Mathematics)
	Ph.D.	Ph.D. (Mathematics)

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
12 Years	--	--	--	--

Area of Specialization	Algebraic Graph Theory
-------------------------------	------------------------

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Undergraduate Level	Calculus (2110014), V.C.L.A. (2110015), Maths-1 (3110014), Maths-2(3110015), A.E.M. (2130002), CVNM, P and S (3130006), C.V.P.D.E. (3130005), N.S.M.E. (2140610)
Post Graduate Level	Mathematical Foundation of Computer Science (3710214)
Post Graduate Diploma Level	--

Research guidance (Number of Student)				
Master	Completed	--	On-going	--

Ph.D.	Completed	--	On-going	--
--------------	-----------	----	----------	----

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	1	9	2	2

Research Publication	
List of Journal Papers	
(1)	S. Visweswaran, Pravin Vadhel, Some results on a spanning subgraph of the intersection graph of ideals of a commutative ring, Mathematics Today, 0976-3228,31,2015, 1-20
(2)	S. Visweswaran, Pravin Vadhel, On the dominating sets of the complement of the annihilating ideal graph of a commutative ring, Gulf Journal of Mathematics, 2309-4966, 4 (1), 2016, 27-38
(3)	S. Visweswaran, Pravin Vadhel, Planarity of a spanning subgraph of the intersection graph of ideals of a commutative ring (Non-Quasi Local Case), Algebra and Discreet Mathematics, 1726-3255, 26 (1), 2018, 130-143
(4)	S. Visweswaran, Pravin Vadhel, Some results on a subgraph of the intersection graph of ideals of a commutative ring, Journal of Algebra and Related Topics, 2345-3931, 6(2),(2018), 35-61
(5)	S. Visweswaran, Pravin Vadhel, Planarity of a spanning subgraph of the intersection graph of ideals of a commutative ring (Quasi Local Case), Algebra and Discreet Mathematics 1726-3255,27(1), 2019,117-143
(6)	S. Visweswaran, Pravin Vadhel, Some results on the complement of the intersection graph of subgroups of a finite group, Journal of Algebraic System, 2345-5128, 7 (2), 2020, 105-130
(7)	Pravin Vadhel, Some Results on intersection graph of ideals of Commutative ring, International Journal of Math. And its Appl. 2347-1557, 8(1), 2020,69-75
(8)	J. Parejiya, S. Patat, Pravin Vadhel, Planarity of a unit graph: Part-I local case, Malaya Journal of Matematik 2319-3786, 8(3),2020 1155-1157
(9)	J. Parejiya, Pravin Vadhel, S. Patat, Planarity of a unit graph: Part-II $ \text{Max}(R) =2$ local case, Malaya Journal of Matematik, 2319-3786,8(3),2020,1162-1170
(10)	J. Parejiya, S. Patat, Pravin Vadhel, Planarity of a unit graph: Part-II $ \text{Max}(R) =2$ non-local case, Malaya Journal of Matematik, 2319-3786,8(4) 2020,1413-1416
List of Conference Papers	
--	


No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	3
Details of Books	
A study on Intersection graph of Ideals of Commutative Rings LAMBERT Academic Publishing, 978-620-0-58552-3,2020	
Complex Analysis, Bharat Book Depot, 987-93-89773-09-5, 2020	
Discrete Mathematics, Bharat Book Depot,987-93-89773-08-8, 2020	

Project Carried out
--

Patents	Filled	1	Granted	--
----------------	---------------	---	----------------	----

V.V.P. ENGINEERING COLLEGE, RAJKOT

Department of Applied Sciences and Humanities

Name of the Teaching Staff	Dhaval Mahendrabhai Vyas	
Designation	Assistant Professor	
Appointment Type (Regular/Adhoc)	Regular	
Joining Date at Institute	01-02-2019	

Date of Birth	21-09-1977
----------------------	------------

AICTE Unique id	1- 3360067643
------------------------	---------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG	B.Sc. (Mathematics), B.Ed. (Maths, Science)
	PG	M.Sc. (Mathematics), M.Phil. (Mathematics)
	GSET (SLET)	GSET in Mathematics cleared in Sep.-2017
	NET	NET in Mathematics cleared in Dec.-2017
	Ph.D.	Pursuing

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
14	0	4	0	0

Area of Specialization	Mathematics
-------------------------------	-------------

Course taught at	
Level	Subject
Diploma Level	Nil
Post Diploma Level	Nil
Under Graduate Level	Calculus, Vector Calculus & Linear Algebra, Advanced Engineering Mathematics, Complex Variables & Numerical Methods, Mathematics-1, Mathematics-2, Complex Variables & Partial Differential Equations, Probability & Statistics, Discrete Mathematics
Post Graduate Level	Nil
Post Graduate Diploma Level	Nil

Research guidance (Number of Student)				
Master	Completed	Nil	On-going	Nil
Ph.D.	Completed	Nil	On-going	Nil

No. of papers published				
2	National Journal	International Journal	National Conference	International Conference
		2		3

Research Publication
List of Journal Papers
<ol style="list-style-type: none"> 1. Research paper entitled with "Eccentric domination number of some path related graphs" published in Malaya Journal of Matematik, in Oct. 2020 [8(4) (2020), 1728-1734]. 2. Research paper entitled with "Eccentric domination number of some cycle related graphs" published in Journal of Mathematical and Computational Science (JMCS), in Nov. 2021 [11(6) (2021), 7728-7753]. 3. Research paper entitled with "Total eccentric domination number of some path related graphs" communicated (& under review) to Journal Calcutta Mathematical Society, in Jan. 2023.
List of Conference Papers
<ol style="list-style-type: none"> 1. Research paper entitled with "Eccentric domination number of some cycle related graphs" presented in the International Conference (online) on Recent Trends in Mathematics and its Applications to Graphs, Networks and Petri Nets (ICRTMA-GPN-2020) during 20-24 July, 2020. 2. Research paper entitled with "On Total Eccentric Domination Number of Some Graphs" presented in the 18th Annual Conference of ADMA and Graph Theory Day, during 09-11 June, 2022. 3. Research paper entitled with "Total Eccentric Domination Number of Some Path Related Graphs" presented in the International Conference on Applied Mathematical Sciences (ICAMS)-2022-(GU+Parul Uni.) (in online mode), during 12-13 Nov, 2022.


No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	1
Details of Books	
<ol style="list-style-type: none"> 1. Sub.: Mathematics-1, Authors: Prof. R. M. Baphana, Prof. Dhaval M. Vyas, Dr. Rajesh M. Darji, Prof. Tejas B. Shah ISBN: 978-81-8407-893-0 Publication: Tech-Neo Publications Date: 02-09-2021 	

Project Carried out
Nil

Patents	Filled	Nil	Granted	Nil
---------	--------	-----	---------	-----

--

Department of Applied Sciences and Humanities

Name of the Teaching Staff	Zarana Mehta	
Designation	Assistant Professor in Mathematics	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	10-06-2015	

Date of Birth	17-03-1991
----------------------	------------

AICTE Unique id	1-2657440433
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG	B.Sc. in Mathematics
	PG	M.Sc. in Mathematics
	Ph.D.	Ph.D. Mathematics

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
8 yrs and 6 months	--	--	--	--

Area of Specialization	Mathematics
-------------------------------	-------------

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	Calculus, Vector calculus and Linear algebra, Advanced Engineering Mathematics, Complex variables and Numerical Analysis, Mathematics-1, Mathematics-2, Applied Mathematics for Electrical Engineering
Post Graduate Level	--
Post Graduate Diploma Level	--

Research guidance (Number of Student)				
Master	Completed	0	On-going	0
Ph.D.	Completed	0	On-going	0
No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	1	5	--	--


Research Publication	
List of Journal Papers	
1)	Transaction Exposure Model Under Gamma Distribution Exchange Rate Error in a Newsvendor Framework, Alochana Chakra Journal (2231-3990)
2)	Mathematical Model of Foreign Exchange Risk in a Supply Chain with Newsvendor Setting using a Log- Normally Distributed Exchange Rate Error, IOSR Journal of Economics and Finance (IOSR-JEF) (2321-5933)
3)	Transaction Exposure model using Gumbel distribution Exchange rate error in a Newsvendor Framework, IOSR Journal of Mathematics (IOSR-JM)(2278-5728)
4)	Transaction Exposure Model Under Exponential Distribution Exchange Rate Error With Newsvendor Setting”, PIMT Journal of Research, ISSN No: 2278-7925 Volume-14 Number 3, April-June-2022, pp. 25-36.
5)	Mathematical Model of Foreign Exchange Risk in a Supply Chain with Newsvendor Setting using a Log-Normally Distributed Exchange Rate Error and Isoelastic Demand, IOSR Journal of Mathematics (IOSR-JM), e-ISSN: 2278-5728, p-ISSN: 2319-765X. Volume 18, Issue 5 Ser. I (Sep. – Oct. 2022), PP 06-09
6)	Exchange Rate Risk in a Newsvendor Framework under a Gamma-Distributed Exchange Rate Error and Isoelastic Demand, International Journal of Engineering Science Technologies, IJOEST, e-ISSN: 2456-8651, September-October 2022 6(5), 34-45
List of Conference Papers	
NIL	

No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	NIL
Details of Books	
Nil	

Project Carried out
NIL

Patents	Filled	-	Granted	-
----------------	---------------	---	----------------	---

Department of Applied Sciences and Humanities

Name of the Teaching Staff	DR. DHAIVATSINH RATHOD	
Designation	ASSISTANT PROFESSOR	
Appointment Type (Regular/Adhoc)	ADHOC	
Joining Date at Institute	5 TH FEBRUARY 2016.	

Date of Birth	28 TH JULY, 1974
----------------------	-----------------------------

AICTE Unique id	1-2911045907
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG	B.A (ARTS)
	PG	M.A. (ARTS)
	Ph.D.	PH.D. (ARTS)

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
10 YEARS	--	--	--	--

Area of Specialization	ENGLISH LITERATURE
-------------------------------	--------------------

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	1. English, 2. Communication Skills, 3. Professional ethic, 4. Organisational Behaviour 5. Engineering Economics And Management 6. Contributor Personality Development Programme 7. Marketing Management
Post Graduate Level	
Post Graduate Diploma Level	

Research guidance (Number of Student)				
Master	Completed	NIL	On-going	NIL
Ph.D.	Completed	NIL	On-going	NIL

No. of papers published				
	National	International	National	International

	Journal	Journal	Conference	Conference
	2	--	--	--

Research Publication

List of Journal Papers

1. Newfangled facet of Matrimonial relationship in novel of Shobha De : 'Starry Night' and 'Snapshot '.
2. I have published research paper on Krishna Sobti titled as "Theme of Alienation in Selected Novels of Krishna Sobti"

List of Conference Papers

1. Translation : A curtailed trans- creation' in International conference on "The journey of Indian Languages : Perspectives Culture and Society which was organized by BAOU and IGNOU 'Ahmedabad


No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Published	Nil
Details of Books	Nil

Project Carried out : Nil

Patents	Filled		Granted	
NIL				

Department of Applied Sciences and Humanities

Name of the Teaching Staff	BADVA TARUNA KESHAVBHAI	
Designation	ASSISTANT PROFESSOR	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	01/07/2019	

Date of Birth	06/03/2019
----------------------	------------

AICTE Unique id	1-7698401521
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG	B.A. (English)
	PG	M.A. (English), M.phil (English)
	Ph.D.	Pursuing

Work Experience (in year)				
Teaching Degree	Teaching Diploma	Research	Industry	Other
2	--	1	--	--

Area of Specialization	English and Communication
-------------------------------	---------------------------

Course taught at Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	English, Effective Technical Communication, Professional Ethics
Post Graduate Level	--
Post Graduate Diploma Level	--

Research guidance (Number of Student)				
Master	Completed	-	On-going	-
Ph.D.	Completed	-	On-going	-

No. of papers published				
	National Journal	International Journal	National Conference	International Conference
	-	-	-	-

Research Publication
List of Journal Papers
-
List of Conference Papers
-


No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	
No of Book Published	--
Details of Books	--

Project Carried out
Nil

Patents	Filled	Nil	Granted	Nil
----------------	---------------	-----	----------------	-----

V.V.P. ENGINEERING COLLEGE, RAJKOT

Department of Applied Sciences and Humanities

Name of the Teaching Staff	Harshit Rameshbhai Palan	
Designation	Adhoc Assistant Professor (Management)	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	09-02-2022	

Date of Birth	07-10-1996
----------------------	------------

AICTE Unique id	1-1133673624
------------------------	--------------

Education Qualifications (Mention all)	Degree	Branch
	Diploma	
	UG BE/B.Tech	BE (Electrical Engineering)
	PG ME/M.Tech	PGDM IN BUSINESS MANAGEMENT
	Ph.D.	

Work Experience (in year):				
Teaching Degree	Teaching Diploma	Research	Industry	Other
1 year 5 months			2 year 1 month 24 days	

Area of Specialization	Management
-------------------------------	------------

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	-- Professional Ethics, Organisational Behaviour, Economics For Engineers, Principles Of Economics and Management, Principles of Management
Post Graduate Level	--
Post Graduate Diploma Level	--

Research guidance (Number of Student)				
Master	Completed		On-going	
Ph.D.	Completed		On-going	

No. of papers published :

	National Journal	International Journal	National Conference	International Conference
	--	--	--	--

Research Publication

List of Journal Papers :

“Flexible working hours : A bridge between personal life and work life”
International Journal for Research Trend and Innovation. Published in Volume 8
Issue 2, Feb -2023 ISSN : 2456-3315 Paper ID – IJRTI2302087

“POWER CONVERTER TOPOLOGY OF SEPIC FED BRUSHLESS DC MOTOR
DRIVE FOR IMPROVEMENT OF POWER QUALITY” SPM Journal Of Energy and
Management Vol 6 ISSN No – 2581-5849 UGC approved No : 63922

List of Conference Papers:

Nil

No. of Books Chapter published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Chapter
Published

Details of Books


Nil

Project Carried out

Flexible working hours: A bridge between personal life and work life

Patents	Filled	--	Granted	--
----------------	---------------	----	----------------	----

Department of Applied Sciences and Humanities

Name of the Teaching Staff	Parth Rohitbhai Faldu	
Designation	Adhoc Assistant Professor	
Appointment Type (Regular/Adhoc)	Adhoc	
Joining Date at Institute	04-10-2022	

Date of Birth	20-04-1997
----------------------	------------

AICTE Unique id	
------------------------	--

Education Qualifications (Mention all)	Degree	Branch
	UG	B.Sc. in Mathematics
	PG	M.sc. in applied Mathematics
	Ph.D.	---

Work Experience (in year):				
Teaching Degree	Teaching Diploma	Research	Industry	Other
2 Yrs	---	---	---	---

Area of Specialization	Calculus, Graph theory
-------------------------------	------------------------

Course taught at	
Level	Subject
Diploma Level	--
Post Diploma Level	--
Under Graduate Level	--
Post Graduate Level	--
Post Graduate Diploma Level	--

Research guidance (Number of Student)				
Master	Completed	---	On-going	---
Ph.D.	Completed	---	On-going	---

No. of papers published :				
	National Journal	International Journal	National Conference	International Conference
	--	--	--	--

Research Publication
List of Journal Papers :
Nil

--

List of Conference Papers:

Nil

No. of Books Chapter published with details (Name of the book, Publisher with ISBN, year of publication, etc.)

No of Book Chapter
Published

Details of Books

Nil

Project Carried out

Solution of integro differential equation using collocation method

Patents**Filled**

--

Granted

--

V.V.P. ENGINEERING COLLEGE, RAJKOT

9. Fee

- Details of Fee, as approved by State Fee Committee, for the Institution



FEE REGULATORY COMMITTEE (TECHNICAL)

Constituted under Section 9(1) of the Gujarat Professional Technical Educational Colleges or Institutions (Regulation of Admission and Fixation of Fees) Act, 2007 (Gujarat Act No. 2 of 2008)

2nd Floor, Room No. 126, ACPC Building, L. D. College of Engineering Campus, Opp. Gujarat University, Navrangpura, Ahmedabad 380015.

Phone: 079-26302937 Fax: 079-26304118 Email: frctechguj@gmail.com Website: www.frctech.ac.in

No: FRC/FEE/2017-18 to 2019-20/ 10

Date: 11th January, 2018

(In pursuance to power conferred upon Officer on special duty by the Fee Regulatory Committee (Technical) vide its resolution dated 4th January, 2018, the following circular is issued accordingly.)

Circular

The Fee Regulatory Committee which is constituted under the **Gujarat Professional Technical Educational Colleges or Institutions (Regulation of Admission and Fixation of Fees) Act, 2007** by exercising power conferred upon it under section 10 of the said Act has determined the fee structures of unaided professional institutions imparting professional education and which are falling within its purview for the block period of 3 years of 2017-18, 2018-19 and 2019-20 as per the Appendix attached herewith. The fee determined by the committee is applicable to a student who is admitted in that academic year and shall continue to apply till completion of his or her course in the same institution. The difference between the provisional fee charged by the institution and the fee determined by the committee shall have to be paid by the student if the fee determined is higher than the provisional fee charged by the institution and paid by the student **OR** the institution will have to refund the difference to the student if the provisional fee charged by it, is higher than the fee determined by the committee. The institution shall not charge or collect any fee other than the fee determined by the committee. It is also not allowed to collect the fee at a time amounting to more than one term fee from a student in an academic year.

Detailed order will be issued in due course.




Officer on Special Duty

Encl: Appendix as stated above

Copy to:

- (1) On website of the committee.
- (2) Director of Technical Education, Gujarat State, Gandhinagar.
- (3) Member Secretary, Admission Committee for Professional Courses, Ahmedabad
- (4) Member Secretary, Admission Committee for Professional Diploma Courses, Ahmedabad
- (5) Registrar, Concern Universities.

Fee Regulatory Committee (Technical), Gujarat State
Fee structure for the block year 2017-18 to 2019-20.

Bachelor of Engineering / Technology

Sr. No	Institution Code	Name of Institution	Name of Program	Existing Fee 2016-17	Fee Proposed by the Institution for year 2017-18	Maximum Ceiling Limit of Fee determined for the year 2017-18	Fee Proposed by the Institution for year 2018-19	Maximum Ceiling Limit of Fee determined for the year 2018-19	Fee Proposed by the Institution for year 2019-20	Maximum Ceiling Limit of Fee determined for the year 2019-20
1	2	3	4	5	6	7	8	9	10	11
99	11551	Shri Satnangi Saketidham 'Ram Ashram' Group Of Institution, Faculty Of Engineering, Vadasana, Dist. Mehsana.	B.E./B.Tech	64000	70000	64000	77000	64000	84000	64000
100	11159	Shri Svaram N Patel Institute Of Technology & Research, Umrekh	B.E./B.Tech	63000	70000	65000	74000	65000	78000	65000
101	11184	Shri Swami Atmanand Saraswati Inst.Of Tech., Surat	B.E./B.Tech	64000	70000	66000	80000	69000	90000	73000
102	11563	Shroff S. R. Rotary Institute Of Chemical Technology, Vateria, Valia.	B.E./B.Tech	87000	91000	91000	95000	95000	99000	99000
103	11564	Sigma Engineering College (Matar) previously known as Leads Institute Of Technology & Engineering.	B.E./B.Tech	70000	70000	70000	70000	70000	70000	70000
104	11163	Sigma Institute Of Engineering, Vadodara	B.E./B.Tech	60000	60000	60000	60000	60000	60000	60000
105	11179	Silver Oak College Of Engg. & Technology, Ahmedabad	B.E./B.Tech	75000	78000	78000	83000	78000	88000	78000
106	11170	Smt. S. R. Patel Engineering College, Unjha	B.E./B.Tech	77000	90000	77000	95000	77000	100000	77000
107	11600	Smt. Shantaben Haribhai Gajera Engineering College, Anand	B.E./B.Tech	55000	65000	55000	70000	55000	75000	55000
108	11577	Saeminarayan College Of Engg. & Tech. (Degree), Kadi	B.E./B.Tech	53000	53000	53000	53000	53000	53000	53000
109	11199	Tatva Institute Of Technological Studies, Modasa	B.E./B.Tech	51000	51000	51000	51000	51000	51000	51000
110	11128	V.V.P. Engineering College, Rajkot	B.E./B.Tech	82000	103000	84000	110000	88000	115000	93000
111	11173	Vadodara Institute Of Engineering, Kotambhi, Wagbodia, Vadodara	B.E./B.Tech	52000	80000	55000	85000	57000	90000	61000
112	11556	Veerayatan Institute of Engineering (Previously Known as Arham Veerayatan Institute Of Engg. Tech. & Research, Haripur, Mandvi)	B.E./B.Tech	60000	63000	60000	66000	60000	69000	60000
113	11558	Vidhyadeep Inst.Of Engineering & Technology, Anita (Kim)Name Changed Vidhyadeep Inst.Of Management & Technology, Anita (Kim)	B.E./B.Tech	72000	72000	72000	72000	72000	72000	72000



- Time schedule for payment of Fee for the entire Programme January and July

10. Admission

- Number of seats sanctioned with the year of approval

Sr.	Name of course	1st Year of Approval by the Council	Sanctioned Intake	
			1st year of approval by the Council	for the Academic year
1	Mechanical Engineering	1996	60	120
2	Electrical Engineering	1996	60	60
3	Chemical Engineering	1996	60	60
4	Information Technology	1999	60	120
5	Computer Engineering	2001	60	180
6	Electronics & Communication	2001	60	30
7	Bio-Technology	2004	30	30
8	Civil Engineering	2011	60	60

- Number of Students admitted under various categories each year in the last three years

Number of Students admitted under various categories - 2018-19																		
		OPEN		SC		ST		SEBC		EWS		TFWS		ICCR		JK		TOTAL
Branch	Sem	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
BT	I	4	3					4										11
CE	I	26	14	3	1			14	2			2	1	2	1			66
CH	I	42	2	2				15				3						64
CI	I	43	2	5	1			7				2		3				63
EC	I	34	18	3	1			2	2			2	1	1				64
EL	I	28	3	3				21	2			2						59
IT	I	31	12	3				13	1			2	1					63
MECH	I	92		5				21	2			6						126
TOTAL		300	54	24	3	0	0	97	9	0	0	19	3	6	1	0	0	516
BT	III	8	2	1	1			2	3			1						18
CE	III	31	15	1	2			14	9			1	3	1	1			78
CH	III	36	5	4	1	1		18	3			4						72
CI	III	34	6	10	1			21				3		6				81
EC	III	33	8	3				9	3			2	2	1				61
EL	III	31	1	12				25	2			3		1				75
IT	III	32	11	2				15	1			3	1	1	1			67
MECH	III	84		6				49	1			6						146
NT	III	6	3					2	1			3						15
TOTAL		295	51	39	5	1	0	155	23	0	0	26	6	10	2	0	0	613
BT	V	14	2	1				1					1				1	20

CE	V	28	21		3			11	6			3		4				76
CH	V	40		1	1			23	1			4		2				72
CI	V	30	4	8	1			18	7			3	1					72
EC	V	31	6	6				14	2			1	2	4				66
EL	V	27	4	4	1			35				3	1					75
IT	V	39	8	4	1			10	4			2	1					69
MECH	V	74		8	1	1		47	1			6		2				140
NT	V	11	7					4				3						25
TOTAL		294	52	32	8	1	0	163	21	0	0	25	6	12	0	0	1	615
BT	VII	4	1					1	1				1					8
CE	VII	21	24	2	3			14	6			1	3	2				76
CH	VII	43	3	4				20				3			2			75
CI	VII	34	1	5	1			27				4			1			73
EC	VII	38	9	8	1	1		10	1			3						71
EL	VII	34	4	10		1		19	1			3						72
IT	VII	30	15	1				11	4			1	2					64
MECH	VII	81		10				51				8		1		1		152
NT	VII	17	6					3				2						28
TOTAL		302	63	40	5	2	0	156	13	0	0	25	6	3	3	1	0	619
TOTAL ALL SEM.		1191	220	135	21	4	0	571	66	0	0	95	21	31	6	1	1	2363

Number of Students admitted under various categories - 2019-20																		
		OPEN		SC		ST		SEBC		EWS		TFWS		ICCR		JK		TOTAL
Branch	Sem	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
BT	I	5	4		1													10
CE	I	25	19	3	1			15	3	5		3	1					75
CH	I	49	2	3				4		1		3		1				63
CI	I	31	5	9		1						2	2	3				53
EC	I	21	5	8	1							2	1					38
EL	I	31	3	4								2	1	3				44
IT	I	22	21	3				14	5	4	2	3	1					75
MECH	I	92	2	2								7						103
	Total	276	61	32	3	1	0	33	8	10	2	22	6	7	0	0	0	461
BT	III	5	3					4										12
CE	III	29	17	3	1			15	2	1		2	2	2	1			75
CH	III	50	2	1	1			14				3						71
CI	III	47	3	6	1			8				2		3				70
EC	III	32	17	3	1			1	2			2	1	1				60
EL	III	32	3	4	1			23	3	1		2						69
IT	III	37	12	2				13	1			1	2					68
MECH	III	102		7				20	2	1		7						139
	Total	334	57	26	5	0	0	98	10	3	0	19	5	6	1	0	0	564

	1																
BT	V	8	2	1	1			1	3			1					17
CE	V	31	15	1	2			14	9			1	2	2			77
CH	V	36	4	3	1	1		18	3			4					70
CI	V	35	6	10	1	1		20				3		6			82
EC	V	32	8	2				9	3			2	2	2			60
EL	V	30	1	11				24	2			3		1			72
IT	V	32	10	2				15	1			3	1	2	1		67
MECH	V	83		3				45	1			7					139
NT	V	6	3					2	1			3					15
	Tota 1	293	49	33	5	2	0	148	23	0	0	27	5	13	1	0	599
BT	VII	15	3	1				1							1		21
CE	VII	26	21		2			12	6			3		4			74
CH	VII	40		1	1			23	1			4		2			72
CI	VII	29	4	8	1			18	7			3	1				71
EC	VII	32	6	6				14	2			1	2	4			67
EL	VII	25	4	4	1			35				3	1				73
IT	VII	38	8	3	1			10	4			2	1				67
MECH	VII	71	9	1		1		47	1			6		2			138
NT	VII	11	7					4				3					25
	TOT.	15	3	1				1							1		21
Total All Branch		1190	229	115	19	4	0	443	62	13	2	93	21	38	2	1	2232

Number of Students admitted under various categories - 2020-21

		OPEN		SC		ST		SEBC		EWS		TFWS		ICCR		JK		TOT-AL
Branch	Sem	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
BT	I	3	3															6
CE	I	29	11	3	1	0	0	13	5	3	3	1	2	1	1	1	1	75
CH	I	24	2									3	0					29
CI	I	19	3	3	3	1	0					2	2					33
EC	I	23	10	1	2							1	1					38
EL	I	13	2	3	0	1	0					3	0					22
IT	I	28	11	4	1			11	5	5	3	4	0					72
MECH	I	71	2	5	0							7	0					85
	Total	210	44	19	7	2	0	24	10	8	6	21	5	1	1	1	1	360
BT	III	4	4	0	1													9
CE	III	27	22	4	1			16	3	6	0	3	1					83
CH	III	62	3	6	0			6	0	1	0	4	0	1	0			83
CI	III	50	7	15	0	1	0					2	2	2	0			79
EC	III	23	5	10	1							2	1					42
EL	III	58	8	10	2							3	1	3	0			85
IT	III	27	23	4	0			14	5	4	2	3	1					83
MECH	III	135	2	7	0							8	0					152
	Total	386	74	56	5	1	0	36	8	1	2	25	6	6	0	0	0	616
BT	V	5	3					5	0									13
CE	V	27	17	3	1	0	0	15	2	1	0	2	2	4	2	0	0	76
CH	V	47	3	1	1	0	0	16	0	0	0	3	0	0	1	0	0	72
CI	V	42	2	6	1	0	0	9	1	0	0	2	0	3	0	0	0	66
EC	V	31	17	3	1	0	0	3	2	0	0	2	1	1	0			61
EL	V	32	3	4	1	0	0	25	3	1	0	2	0	0	0	0	0	71
IT	V	33	12	2	0	0	0	17	1	0	0	1	2	0	0	0	0	68
MECH	V	94	0	8	0	0	0	28	2	1	0	7	0	0	0	0	0	140
	Total	311	57	27	5	0	0	118	11	3	0	19	5	8	3	0	0	567
BT	VII	6	2	1	1			1	3			1						15
CE	VII	33	15	1	3			14	9			1	2	2				80
CH	VII	36	4	3		1		18	3			4						69
CI	VII	36	6	10	1	1		21				3		6				84
EC	VII	30	8	2				9	3			2	2	2				58
EL	VII	30	1	11				25	2			3		1				73
IT	VII	32	10	3				16	1			3	1	2	1			69
MECH	VII	81		3				46	1			7						138
NT	VII	6	3					2	1			3						15
	Total	290	49	34	5	2	0	152	23	0	0	27	5	13	1	0	0	601
Total All Branch		1197	224	136	22	5	0	330	52	22	8	92	21	28	5	1	1	2144

Number of Students admitted under various categories - 2021-22																		
		OPEN		SC		ST		SEBC		EWS		TFWS		ICCR		JK		TOTAL
Branch	Sem	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
BT	I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CE	I	24	17	4	1	1	0	16	2	3	0	1	3	0	0	0	0	72
CH	I	36	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	39
CI	I	13	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	15
EC	I	11	10	0	0	0	0	0	0	0	0	0	2	0	0	0	0	23
EL	I	9	4	0	0	0	0	0	0	0	0	2	1	0	0	0	0	16
IT	I	26	16	5	0	0	0	12	4	2	3	2	1	0	0	0	0	71
MECH	I	61	1	1	0	0	0	0	0	0	0	6	0	0	0	0	0	69
TOTAL		180	49	12	1	1	0	30	6	5	3	11	7	0	0	0	0	305
BT	III	3	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	5
CE	III	29	13	3	1	0	0	16	5	5	2	1	3	1	1	1	1	82
CH	III	41	3	0	0	0	0	5	0	0	0	3	0	0	0	0	0	52
CI	III	27	6	4	2	2	0	4	0	0	0	2	2	0	0	0	0	49
EC	III	21	10	1	2	0	0	2	1	0	0	1	1	0	0	0	0	39
EL	III	25	6	6	0	1	0	3	0	0	0	2	0	0	0	0	0	43
IT	III	30	16	4	1	0	0	11	5	4	3	5	0	0	0	0	0	79
MECH	III	85	2	8	0	0	0	9	0	0	0	8	0	0	0	0	0	112
TOTAL		261	57	26	6	3	0	50	12	9	5	22	6	1	1	1	1	461
BT	V	3	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	8
CE	V	20	20	4	1	0	0	21	4	8	0	3	1	0	0	0	0	82
CH	V	49	3	6	0	0	0	15	0	1	0	4	0	1	0	0	0	79
CI	V	38	4	14	0	1	0	11	3	0	0	2	2	2	0	0	0	77
EC	V	16	5	7	1	0	0	4	0	0	0	1	1	0	0	0	0	35
EL	V	45	5	10	1	0	0	11	3	0	0	3	1	3	0	0	0	82
IT	V	24	22	4	0	0	0	16	5	4	2	3	1	0	0	0	0	81
MECH	V	103	1	8	0	0	0	22	1	0	0	8	0	0	0	0	0	143
TOTAL		298	64	53	4	1	0	100	16	13	2	24	6	6	0	0	0	587
BT	VII	6	3	0	0	0	0	5	0	0	0	0	0	0	0	0	0	14
CE	VII	26	17	3	1	0	0	15	2	1	0	2	2	4	2	0	0	75
CH	VII	46	3	1	2	0	0	16	0	1	0	3	0	0	0	0	0	72
CI	VII	42	2	4	2	0	0	9	1	0	0	2	0	3	0	0	0	65
EC	VII	35	17	4	1	0	0	4	2	0	0	2	1	1	0	0	0	67
EL	VII	32	3	4	1	0	0	25	3	1	0	2	0	0	0	0	0	71
IT	VII	33	12	2	0	0	0	17	1	0	0	1	2	0	0	0	0	68
MECH	VII	90	0	8	0	0	0	27	2	1	0	7	0	0	0	0	0	135
TOTAL		310	57	26	7	0	0	118	11	4	0	19	5	8	2	0	0	567
TOTAL ALL SEM.		1049	227	117	18	5	0	298	45	31	10	76	24	15	3	1	1	1920

Sr.	New No.	Location	Department
1	G-02	Class Room Building Ground Floor	MECHANICAL
2	G-03	Class Room Building Ground Floor	MECHANICAL
3	G-04	Class Room Building Ground Floor	MECHANICAL
4	G-06	Class Room Building Ground Floor	IT
5	G-07	Class Room Building Ground Floor	EC
6	G-08	Class Room Building Ground Floor	MECHANICAL
7	G-09	Class Room Building Ground Floor	MECHANICAL
8	G-10	Class Room Building Ground Floor	EXAM ROOM
9	G-101	Class Room Building First Floor	BT
10	G-102	Class Room Building First Floor	BT
11	G-105	Class Room Building First Floor	ELEC
12	G-106/G-107	Class Room Building First Floor	CHEMICAL
13	G-108	Class Room Building First Floor	ELEC
14	G-109	Class Room Building First Floor	MECHANICAL
15	G-110	Class Room Building First Floor	CHEMICAL
16	G-111	Class Room Building First Floor	CHEMICAL
17	G-112	Class Room Building First Floor	EC
18	E-02	EC Department Ground Floor	EC
19	H-202	Round Building	MECHANICAL
20	A-03	OPP.RNSB BANK	
21	C-203	New IT Building Second Floor	CE
22	C-204	New IT Building Second Floor	CE
23	D-202	New IT Building Second Floor	IT
24	D-204	New IT Building Second Floor	IT
25	J-201	New Civil Department Second floor	CIVIL
26	J-203	New Civil Department Second floor	CIVIL
27	J-205	New Civil Department Second floor	CIVIL
28	J-206	New Civil Department Second floor	CIVIL
29	M-201	Nano Building Second floor	
30	M-202	Nano Building Second floor	ELEC
31	M-203	Nano Building Second floor	CHEMICAL
32	M-204	Nano Building Second floor	CE

TUTORIAL ROOM				
1	J 202	CIVIL-TUTORIAL ROOM	New Civil Department Second floor	CIVIL
2	M 101	EC-TUTORIAL ROOM	Nano Building First floor floor	EC
3	M102	CE-TUTORIAL ROOM	Nano Building First floor floor	CE
4	A-203	ELEC-TUTORIAL ROOM	Office Bulilding	ELEC

Drawing Hall				
1	G-05	Drawing Hall	Class Room Building Ground Floor	ALL BRANCH
2	A102	Drawing Hall	OFFICE BUILDING	ALL BRANCH
3	A202 a	Drawing Hall	OFFICE BUILDING	ALL BRANCH
4	A202 b	Drawing Hall	OFFICE BUILDING	ALL BRANCH
5	J 106	Drawing Hall	CIVIL DEPARTMENT	CIVIL

Workshop		
	Room Type	Room Id/Name
	Workshop	F-01A

Number of Laboratories	
------------------------	--

Room Type	Room Id/Name
Laboratory	A-09A
Laboratory	A-09B
Laboratory	A-10
Laboratory	A-106A
Laboratory	A-106B
Laboratory	A-206A
Laboratory	A-206B
Laboratory	A-207
Laboratory	C-03
Laboratory	C-04
Laboratory	C-103
Laboratory	C-104
Laboratory	C-202
Laboratory	H-203A
Laboratory	A-05A
Laboratory	A-05B
Laboratory	A-06
Laboratory	A-105A
Laboratory	A-105B
Laboratory	A-204A
Laboratory	A-204B
Laboratory	A-205A
Laboratory	J-01
Laboratory	J-03
Laboratory	J-04
Laboratory	J-102
Laboratory	J-103
Laboratory	J-104
Laboratory	J-202
Laboratory	J-204
Laboratory	E-01A

Laboratory	E-03
Laboratory	E-101
Laboratory	E-102
Laboratory	E-103A
Laboratory	E-103B
Laboratory	E-201
Laboratory	E-202
Laboratory	E-203
Laboratory	B-01A
ratory	B-01B
Laboratory	B-02
Laboratory	B-03A
Laboratory	B-101A
Laboratory	B-101B
Laboratory	B-103A
Laboratory	B-103B
Laboratory	B-201
Laboratory	B-202
Laboratory	B-203A
Laboratory	B-203B
Laboratory	D-02
Laboratory	D-03
Laboratory	D-05A
Laboratory	D-103
Laboratory	D-105
Laboratory	D-201
Laboratory	A-109A
Laboratory	A-109B
Laboratory	A-11
Laboratory	A-12 A
Laboratory	A-208
Laboratory	A-209A
Laboratory	A-209B
Laboratory	G-01
Laboratory	F-101A
Laboratory	F-101B
Laboratory	M-01
Laboratory	M-02
Laboratory	M-04
Laboratory	M-101
Laboratory	M-102
Laboratory	M-103
Laboratory	M-104
Laboratory	H-03
Laboratory	D-05B
Laboratory	A-205B
Laboratory	H-203B

Seminar rooms and auditorium

Room Type	Room Id/Name
Seminar Room	D-204
Seminar Room	L-01
Seminar Room	H-203
Seminar Room	J-02
Seminar Room	E-05
Seminar Room	E-107
Seminar Room	G-03
Seminar Room	G-10
Seminar Room	G-101
Seminar Room	G-102
Seminar Room	G-112

Number of Computer Centres with capacity of each

Central Examination Facility, Number of rooms and capacity of each

Total no of Class rooms : 28
Capacity of each class room : 30 Student

Online examination facility (Number of Nodes, Internet bandwidth, etc.)

Number of Nodes : 350
Internet bandwidth : 300 mbps

• **Occupancy Certificate**


Date: 4/1/2017

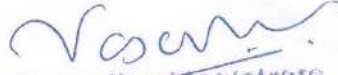
JA. No.

CERTIFICATE OF USE AND OCCUPATION OF LAND

This is to certify, that under the order of respectable collector shree, Vide Letter No Jamin-1 Rajkot Vashi 4040-4052/97 dated 06-12-1997, the Land admeasuring 33.08 Guntha situated at village Vajdi Virda of Survey 120 has been allotted to Shree Vyavasayi Vidya Pratisthan Trust – Rajkot to develop and to form Engineering and Architect College. After due inspection of the records of the approved development plans and completed buildings, NOCs of fire and pollution, tax assessment and tax paid receipts, provision of the rainwater harvesting and recharging, provision of 160kW solar power installation. The possession and occupation of the said land is also at present vests to the same*trust.






And the use and occupation of the said allotted land to the trust is as per order, Hence, this certificate is granted.


Principal,
V. V. P. Engineering College
Rajkot.


Executive Magistrate
Rajkot Taluka.

V.V.P. ENGINEER

• Fire and Safety Certificate

	RAJKOT MUNICIPAL CORPORATION	સ્વચ્છ સર્વેક્ષણ લીગ 2Q2Q
	Fire And Emergency Services	<i>To Hops Display on NB</i>
Dr. Ambedkar Bhavan, Dhebar Road, Rajkot - 360 001 Phone No. 0281 2227222.		
RMC/RFES/College Building/NOC/11/22/2023.		
FORM B13 (Sec Sub-Rule (1) of Rule 23)		
FIRE SAFETY CERTIFICATE		
<p>Certified that the V. V. P. Engineering College, At. Vajdi Virda, Kalawad Road, Rajkot - 360 005 Comprised of Building G.F. + 1st Floor + 2nd Floor, Height of Building:-12.00 Mt. and Having Occupancies of Educational Activity Owned/Occupied by Vyavasayi Vidya Pratishthan Sanchalit Engineering College Have Complied With the Fire Prevention and Fire Safety Requirements in Accordance with Section 18 and Verified by the Rohit Vigora Station Fire Officer Concerned of Rajkot Fire & Emergency Services on 12/01/2023 in the Presence of Principal Shree Patalia Tejas Prataprai - Management & Sahaj Group and that the Building/Premises is fit for Occupancy With Effect From For a Period of (from Date:-12/01/2023 to Date:-11/01/2026) Three (03) Year in Accordance With Rules and Subject to Compliance of any Specific Laid by the Issuing Officer.</p>		
<p>• <u>You are hereby advised to maintain the fire system in good working condition.</u></p>		
<p>(1)The Fire Fighting System to be Maintain perfect working condition all the time. (2)In Case of Emergency Fire Safety System must be operated by your trained person immediately. (3)The Fire Department of RMC will not be responsible for any loss of life & property Due to Fire/Emergency incident of your premises. (4)Trained man power shall be available for Firefighting premises round the clock. (5)Our fire Certificate is limited to Fire Fighting System available in your premises Only. (6) Any other instructions given by fire Department from time to time about fire Safety of the premises to be followed. (7)This Certificate has been issued on the base of Documents Produce in front of us; We are not responsible for any forge Presentation of documents in our Office. (8)This Certificate is Valid Up to Three Year From The Date of Inspection OR Till The Fire Protection System & Equipments Installed are Working Condition Whichever is Earlier.</p>		
Issued on Date: -12/01/2023.		
 Dy. Chief Fire Officer Fire & Emergency Services Rajkot Municipal Corporation		 Chief Fire Officer Fire & Emergency Services Rajkot Municipal Corporation
<small>D:\Fv\NOC\Date-01-04-2022 To Date-31-03-2023\College 22 - 227\460 V.V. P.Engineering College 2013</small>		
Page 1		

• Library

Number of Library books/Titles/Journals available (Programme-wise)

Sr	Department	Number of Library books	Number of Titles	Number of Journals	No. of e-Book Titles	No. Title of other books	Number of books other than technical
				National/International			
1	Mechanical Engineering	9444	2112	6	6426644-NDL 15099-DELNET	3832	3918
2	Electrical Engineering	6717	1425	6			
3	Chemical Engineering	4869	824	6			
4	Information Technology	5869	938	6			
5	Computer Engineering	6051	938	6			
6	Electronics & Communication	8405	1424	6			
7	Bio-Technology	2706	637	6			
8	Civil Engineering	4037	516	6			
9	ASH Dept.	5019	2059	0			
10	Nano Technology	1249	149	0			
11	Library	4405	4079	1			

List of technical journals & magazines

LIST OF JOURNALS			
Sr. No.	TITLE	Supplier	Dept.
1.	Journal Of Network Security And Data Mining	HBRP	CE
2.	Research And Applications Of Web Development And Design	HBRP	CE
3.	Journal Of Advancement In Software Engineering And Testing	HBRP	CE
4.	Recent Innovations In Wireless Network Security	HBRP	CE
5.	Recent Trends In Parallel Computing	STM	CE
6.	Journal Of Computer Technology And Its Applications	STM (UGC Indexed)	CE
7.	Indian Journal Of Chemical Technology	NISCAIR	CH
8.	IOSR Journal Of Applied Chemistry (IOSR-JAC)	IOSR PUBLICATION	CH
9.	International Journal Of Process Waste Treatment	Serial Publications	CH
10.	Indian Journal Of Chemical Engineering	Serial Publications	CH
11.	International Journal Of Waste Water Treatment & Green Chemistry	Serial Publications	CH
12.	International Journal Of Advance Development In Chemical Engineering	International Research Publication House	CH
13.	Indian Concrete Journal	ACC Ltd.	CI
14.	Indian Journal Of Advances In Civil Engineering	Serial Publications	CI
15.	Indian Journal Of Civil Engineering Research & Technology	Serial Publications	CI
16.	Journal On Civil Engineering(I Manager)	I-Manager	CI
17.	Journal Of Structural Engineering	Structural Engineering Research Centre	CI
18.	The IUP Journal of Structural Engineering		CI
19.	International Journal of Embedded Systems and Computer Engineering	Vidyasagar Journals	EC
20.	IUP Journal of Telecommunications	IUP	EC
21.	International Journal of Research in Electrical, Electronics and Communications	Vidyasagar Journals	EC
22.	Electronics Journal of Electronics Engineering	Vidyasagar Journals	EC
23.	International Journal of Digital Electronics	Vidyasagar Journals	EC
24.	International Journal of Automatic Control System	Vidyasagar Journals	EC
25.	Journal Of Resources Energy & Development-1 Year	TERI, Delhi	EL
26.	TIDEE - TERI Information Digest On Energy & Environment	TERI, Delhi	EL
27.	Electrical and Electronics Engineering	IUP	EL
28.	IEEMA	Vidyasagar Journals	EL
29.	Journal Of Power Electronics & Power Systems	STM	EL
30.	Journal of Control and Instrumentation	STM	EL
31.	Indian Journal Of Computational Intelligence And System Science	ACADEMIC RESEARCH JOURNALS (INDIA), New Delhi	IT
32.	Indian Journal Of Information Technology Research And Development	ACADEMIC RESEARCH	IT

		JOURNALS (INDIA), New Delhi	
33.	Indian Journal Of Computer Science And Engineering	ACADEMIC RESEARCH JOURNALS (INDIA), New Delhi	IT
34.	Indian Journal Of Neural Networks Research	SERIAL PUBLICATIONS	IT
35.	Journal Of Cybernatics & Systems	SERIAL PUBLICATIONS	IT
36.	Journal of Information Technology and Engineering	SERIAL PUBLICATIONS	IT
37.	Indian Journal Of Engineering & Material Science	NISCAIR	ME
38.	Journal Of Scientific & Industrial Research	NISCAIR	ME
39.	Iup Journal Of Mechanical Engineering	IUCF	ME
40.	Foundry	FOUNDRY	ME
41.	Journal Of Materials And Metallurgical Engineering (Ugc No.63741)	STM	ME
42.	Recent Trends In Mechanical Engineering & Technology (Ugc No. 62895)	STM	ME
43.	Indian Journal Of Biotechnology and Biochemsitry Research	VIDYASAGAR	BT
44.	International Journal of Molecular Biology	VIDYASAGAR	BT
45.	International Journal of Computational Biology and Bioinformatics	VIDYASAGAR	BT
46.	International Journal of Genetic Engineering and Recombination	VIDYASAGAR	BT
47.	International Journal of Industrial Biotechnology and Biomaterials	VIDYASAGAR	BT
48.	Research and Reviews: A Journal of Biotechnology	VIDYASAGAR	BT
49.	University News	Association of Indian Universities	LI

LIST OF MAGAZINES			
SR. NO.	TITLE	SUPPLIER	DEPT.
1	ABHIYAN	Sambhav Media	LI
2	CHITRLEKHA	Liberty Publication	LI
3	CIVIL SERVICES CHRONICLE	Chitralikha	LI
4	COMPETITION AFFAIRS	Rojgar Darshan	LI
5	COMPETITION SUCCESS REVIEW	World In box	LI
6	CYBER SAFAR	Harshal Pub.	LI
7	DHATUKAM	Harshal Pub.	LI
8	DIGIT	Rajesh Book Supplier	LI
9	E-EMPLOYMENT NEWS	Rajesh Book Supplier	LI
10	ENGINEERING SUCCESS REVIEW	Reader's Digest	LI
11	GENERAL KNOWLEDGE TODAY	Liberty Publication	LI
12	GST MARGDARSHAK	Living Media India Ltd.	LI
13	GYPSY	Uranus Books	LI
14	INDIA TODAY	Competition Review Ltd.	LI
15	LATEST FACT IN GENERAL KNOWLEDGE	Competition Review Ltd.	LI
16	LIBERTY CAREER NEWS	Competition Review Ltd.	LI
17	OPEN SOURCE FOR YOU	Business India Pub. Ltd.	CI
18	OUTLOOK	Digit	IT
19	PANCHHJANYA	Employment News	LI
20	PRATIYOGITA DARPAN	-	-
21	PUMPS VALVES AND SYSTEMS	-	ME
22	READER DIGEST	-	-
23	SADHANA	-	-
24	SAFARI - ENG.	-	-
24	SAFARI - GUJ.	-	-
25	TAX REPORTER	-	-
26	UNIVERSITY NEWS	-	-
27	WORLD IN BOX	-	-

Online Digital Library			
28	DELNET-Online	DELNET	LI

Total Collection		
Books	Title	15101
	Volume	58771
	Worth Rs.	2,03,69,568/-
No. of Journals/Magazines	National/Int.	49+28=77
Non Tech Books	Volume	6064
	Rs.	9,33,478/-
Book Bank (for all semester)	Volume	21334
	Rs.	74,59,447/-
Reference Books	Volume	2336
	Rs.	18,24,258/-
Sangh Corner Books	Nos.	517
	Rs.	31,443/-
E-Books (DELNET)	Nos.	15099
News Papers	Nos.	14
No. of Magazines (Non Tech)	National	28
CD/DVD	Journal/Magazine	2314
	Books	919
NPTEL VIDEO LECTURES	OF IIT's	50 Thousand Hours (1.5 TB HDD)+43 DVDs (4422+43=4465 Lectures)
Membership (To access digital resources)	DELNET (Development Library Network)	7008 Member Libraries across the world to access online materials.
	NDLI (National Digital Library of India)	Digital Library to access thousands of e-resources
	IIT Gandhinagar Library Membership	Membership to acquire online resources of IIT Library as well borrowing facility
Standards Codes	Bureau Of Indian Standards	10,842/-

Branch wise Collection

Branch wise Journal-Magazine List (2017-18 to 2020-21)

SR.	DEPARTMENT	TITLE	VOLUME	AMOUNT
1	Mechanical Engineering Department	2112	9444	2831895.16
2	Electrical Engineering Department	1425	6717	1714766.59
3	Chemical Engineering Department	824	4869	2445891.94
4	Information Technology Department	938	5869	2209757.12
5	Nano Technology	149	1249	645262.71
6	Computer Engineering Department	938	6051	2427377.58
7	Electronics & Communication Engineering Department	1424	8405	3194218.79
8	Bio Technology Department	637	2706	1609985.20
9	Civil Engineering Department	516	4037	1321374.13
10	Applied Sciences & Humanities	2059	5019	1027531.44
11	Library	4079	4405	941508.76
	TOTAL	15101	58771	20369568.42

J=Journal, M=Magazine

Br.	2022-23				2021-22				2020-21				2019-20			
	J	Rs.	M	Rs.	J	Rs.	M	Rs.	J	Rs.	M	Rs.	J	Rs.	M	Rs.
CE	6	13030	-	-	6	13266	-	-	6	13266	-	Nil	6	11250	Nil	-
CHEM	6	16362	-	-	6	17200	-	-	6	17200	-	Nil	7	16900	Nil	-
CIVIL	6	13724	-	-	6	13500	-	-	6	13500	1	Nil	7	22000	1	2250
EC	6	13270	-	-	6	8750	-	-	6	8750	-	Nil	6	7751	Nil	-
ELEC	6	11064	-	-	6	11167	-	-	6	11167	-	Nil	6	5900	1	2100
IT	6	17100	-	-	6	19600	-	-	6	19600	1	Nil	6	18500	1	5499
MECH	6	14538	-	-	6	12418	-	-	6	15550	-	Nil	6	13650	Nil	-
BT	6	18900	-	-	-	-	-	-	1	1200	-	-	3	3000	Nil	-
LIB	1	-	25	7839	2	3200	19	12955	3	3200	15	6935	3	3900	18	45819
A/c	0	-	2	5650	-	-	2	5250	-	-	2	5250	-	-	-	-

[illegible]

List of online National/ International Journals subscribed :
Available on- DELNET- http://164.100.247.26/ NATIONAL DIGITAL LIBRARY(NDL)- https://ndl.iitkgp.ac.in/

E- Library facilities
DELNET- http://164.100.247.26/ NATIONAL DIGITAL LIBRARY(NDL)- https://ndl.iitkgp.ac.in/ NPTEL Video Lectures of IIT are available of 50000 hours.

National Digital Library (NDL) subscription details
NDLI Club Registration Number : INGJNC3CXWBAKKR

Total Library Area in m2.
656.11 m2

Library Networking
YES

Reprographic Facility
YES

No. of Multimedia PCs
32

Reading Room Seating Capacity
200

Bar Code RF Tab book handling Details
YES

Library Management Software Details
College ERP

• Laboratory and Workshop

List of Major Equipment/Facilities in each Laboratory/Workshop & List of Experimental Setup in each Laboratory/Workshop

Name of Laboratory	CAD Laboratory
--------------------	-----------------------

List of Major Equipment / Facilities

21" Monitor (Samsung)

XEON 3.0GHz Processor

4 System - HP DX6100 System with P4 2.8 GHz HT 915 Chip / 512 MB DDR / 80 GB SATA / 17" Monitor / CD ROM / HP KBD / OPTT. Mouse.

HP A1 – Size Plotter

D-Link 10/100 24 Port 1Gig – Switch

D-Link CAT-6 Cable

Rack with Accessories & Patch Panel

D-Link 10/100 24 Port 2Gig – Switch

Laser printer HP-P1505

Laser printer - HP-P1505

AutoCAD Software (30 License)

Pro-Engineer University Plus Site software
License (50) users.

HP MFP 1005, All in One Printer

Projector Multimedia Projector (3 Nos.)

Acer Vention M200-H61 , Ci3-2130
(3.40 GHz/3MB CACHE/2 Cores/65 W/
500 GB SATA HDD - 7200 RPM,
4GB DDR3-1066 MHz RAM : (4 Nos.)

Dell Vostro Laptop + Charger (2 Nos.)

ACER Desktop
ACER Vention M200MT, CI3/Q7100/H110-M4/1X8GBDDR4, 1TB HDD/INTERNAL
DVDRW/FDQS, USB KEYBOARD+MOUSE/
GIGABYTELAN/200W
ACER 19.5" WIDE LED (5 Nos.)ACER Desktop
ACER Vention M200 System LED OS
Intel Core I3 7100/1TB SATA HDD/
1 X 8 GB Memory DVDRW/3 Yrs. Warranty
ACER 19.5" LED, Windows 10
HOME 64 BIT Preloaded (10 Nos.)**List of Experimental Setup**

AutoCAD Software

Pro-Engineer University Plus Site software

Name of Laboratory	ME Lab
---------------------------	---------------

List of Major Equipment / Facilities
Acer Vention M200-H61 , Ci3-2130 (3.40 GHz/3MB CACHE/2 Cores/65 W/ 500 GB SATA HDD - 7200 RPM, 4GB DDR3-1066 MHz RAM : (1 Nos.)
Multi Media Projector CASIO - LED X J.M.140 Sr. No. 138762 (1 Nos.)
Ansys Software
Printer Canon
Aristo 6 Axis Robot Model Aristorobot Machine No. 117, Compressor & Stabilizer 3KVA & Computer
BENQ Multimedia Projector MX 532 P SR. NO. PDC1J0184104E

List of Experimental Setup
Ansys Software
Aristo 6 Axis Robot Model Aristorobot Machine No. 117, Compressor & Stabilizer 3KVA & Computer

Name of Laboratory	Automobile Laboratory
---------------------------	------------------------------

List of Major Equipment / Facilities
Engine Assembly Four Stroke Petrol Engine (Ambassador)
Engine Assembly Four Stroke Petrol Engine (Fiat)
Steering Assembly With Gear Box, Link & Tie Road
Break Assembly Diaphragm, Linkage, Break shoe
Clutch Assembly with plate
Four Speed Gear Box Assembly (Ambassador)
Propeller Shaft Assembly (Fiat)
Differential With Crown Pinion, Half Shaft & Brake Drum
Wheel Plate With Tire
Leaf Spring (Fiat)
Shock Absorbers
Torsion Bar (Ambassador)
Coil Spring
Automatic Gear Drive
Old Chassis of Jeep
Computer system
Cut Section Model of synchromesh gear box
Cut section model of constant mesh gear box
Starter Bendix drive
Cut section of differential
Working model of diaphragm type clutch
Working model of spring type Clutch
Transaxle differential gear assembly

List of Experimental Setup
Steering Assembly With Gear Box, Link & Tie Road
Break Assembly Diaphragm, Linkage, Break shoe
Clutch Assembly with plate
Propeller Shaft Assembly
Differential With Crown Pinion, Half Shaft & Brake Drum
Wheel Plate With Tire
Old Chassis of Jeep
Starter Bendix drive
Transaxle differential gear assembly

Name of Laboratory	AES Laboratory
---------------------------	-----------------------

List of Major Equipment / Facilities
Direct Focusing type Octagonal shaped concentrator
Precision Pyranometer with Shading Ring
Thermo Electric Pyrhelimeter
Solar Performance Testing Unit
Solar Cooker Trainer Complete With Penal & Connecting Cable

List of Experimental Setup
Direct Focusing type Octagonal shaped concentrator
Precision Pyranometer with Shading Ring
Thermo Electric Pyrhelimeter
Solar Performance Testing Unit
Solar Cooker Trainer Complete With Penal & Connecting Cable

Name of Laboratory	Engineering Drawing & Machine Design Laboratory
---------------------------	--

List of Major Equipment / Facilities
Models (Wooden Workshop Made)
ACER Desktop ACER Vention M200 System LED OS Intel Core I3 7100/1TB SATA HDD/ 1 X 8 GB Memory DVDRW/3 Yrs. Warranty ACER 19.5" LED, Windows 10 HOME 64 BIT Preloaded (22 Nos)
ACER Desktop ACER Vention M200 System LED OS Intel Core I3 7100/1TB SATA HDD/ 1 X 8 GB Memory DVDRW/3 Yrs. Warranty ACER 19.5" LED, Windows 10 HOME 64 BIT Preloaded (1 Nos)
HP DX6100 System with P4 2.8 GHz HT 915 Chip / 512 MB DDR / 80 GB SATA / 17" Monitor / CD ROM / HP KBD / OPTT. Mouse. (1 System)
D-LINK DGS S SFP+10GBE PORTS
Rack
Patch Panel

Name of Laboratory	RESEARCH LABORATORY
---------------------------	----------------------------

List of Major Equipment / Facilities

3D Printer Markerbot The Replicator-MPO7825,MarkerBoT Large True Red PLA-MPO5779
D Link DGS-1510-28 Switch 2410/100/1000 MBPS with 4 SFP Ports/2SFP + 10GBE Ports S No : HSN/SAC NO. 8473 SR NO : RZC5SH5000884 RACK, JSNET-9U RACK With Standard, Accessories, SR NO : HSN/SAC NO : 8544
LAPTOP Acer Travel mate TMPS59-82 Core I5 7th Gen Laptop, Intel Core I3 7th Generation 4GB RAM, 1 TB SATA Hard disk/No Optical Drive/No OS/14" LED/WIFI/Bluetooth/Camera (1 No)
HP DX6100 System with P4 2.8 GHz HT 915 Chip / 512 MB DDR / 80 GB SATA / 17" Monitor / CD ROM / HP KBD / OPTT. Mouse. (17 Nos.)
IBM THINKCENTER, Intel P IV Processor-3.0 GHz, 800MHz FSB, 1MB Cache, 915G. Chipset, 512 MB DDR 400Mhz RAM, Key Board, Optical Scroll Mouse, 10/100/1000 Gigabit Ethernet, 17" IBM colour VGA. (2 Nos.)
Power Quality & Energy Analyzer, Fluke 43511, Part No: Fluke 43511
True RMS AC/DC Clamp Meter, Fluke 376, Part No: Fluke 376
Industrial Multi meter, Fluke 87V, Part No. : Flake 87V
Fluke Make Digital Temperature Indicator, Mode No. : Fluke -51-2
Fluke Make Digital Infrared Pyrometer, Model No. : Fluke-62 MAX+
Fluke Make Digital Anemometer, Model No : Fluk-TMA10A
Am probe Make Digital Differential Pressure Indicator, Model No : AMPROBE MAN30
Am probe Make Light Meter, Model No : AMPROBE LM120
Am probe Make Digital Tachometer, Model No : AMPROBE TACH20
Testo Make Thermal Imager
Testo Make Micro Manometer & Pitot tube, Testo 440
770 - 3 TRMS Clamp on Meter
Ultrasonic Flow Meter
Absbody 500V/100 Mohms Insulation Tester
Set - 10, Single Range Earth Tester

List of Experimental Setup

3D Printer Markerbot The Replicator-MPO7825,MarkerBoT Large True Red PLA-MPO5779

Nam of Laboratory

DYNAMICS OF MACHINE LABORATORY (A-109)

List of Major Equipment / Facilities

CAM ANALYSIS APPARATUS

KINEMATIC PAIRS (BOARD MODEL)

INVERSION OF FOUR BAR CHAIN (BOARD MODEL)

WITH WORTH QUICK RETURN MECHANISM. (BOARD MODEL)

TYPES OF GEAR (BOARD MODEL)

TYPES OF BELT, ROPE & CHAIN DRIVES (BOARD MODEL)

CYLINDRICAL CAM WITH OSCILLATING FOLOWER (MODEL)

CRANK & SLOTTED LEVER QUICK RETURN MECHANISM.
INVERSION OF DOUBLE SLIDER CRANK
MECHANICAL MODEL ASSEMBLED.
EPICYCLIC GEAR TRAIN & TORQUE HOLDING APPARATUS
JOURNAL BEARING APPARATUS
CORIOLIS COMPONENTS OF ACCELERATION
SLIP & CREEP MEASUREMENT IN BELT DRIVE WITH STROBOSCOPE
SINGLE PLATE CLUTCH MODEL
MULTI PLATE CLUTCH MODEL
CENTRIFUGAL CLUTCH MODEL
COMPOUND PENDULUM DEVICE
BIFILAR & TRIFILAR SUSPENSION
MOTORISED GYROSCOP APPARATUS
TACHOMETER
STATIC & DYNAMIC BALANCING APPARATUS
INTERNAL EXPANDING SHOE BRAKE
CONE/CONICAL FRICTION CLUTCH
GOVERNOR APPARATUS
SINGLE SHOE BRAKE MODEL
DOUBLE SHOE BRAKE MODEL
BAND & BLOCK BRAKE MODEL
INTERFERENCE & UNDERCUTTING MODEL
KINEMATICS OF INVOLUTE GEAR TEETH MODEL
GENERATING OF INVOLUTE GEAR TEETH
UNIVERSAL VIBRATION APPARATUS
WHIRLING OF SHAFT DEMONSTRATOR
DYNAMIC BALANCING MACHINE.
DYNAMIC BALANCING OF RECIPROCATING MASSES APPARATUS

List of Experimental Setup

UNIVERSAL VIBRATION APPARATUS
STATIC & DYNAMIC BALANCING APPARATUS
WHIRLING OF SHAFT DEMONSTRATOR
DYNAMIC BALANCING MACHINE
DYNAMIC BALANCING OF RECIPROCATING MASSES APPARATUS
GOVERNOR APPARATUS
MOTORISED GYROSCOP APPARATUS
CAM ANALYSIS APPARATUS
EPICYCLIC GEAR TRAIN & TORQUE HOLDING APPARATUS
JOURNAL BEARING APPARATUS
CORIOLIS COMPONENTS OF ACCELERATION
SLIP & CREEP MEASUREMENT IN BELT DRIVE.

Name of Laboratory	FLUID MECHANICS LABORATORY
--------------------	-----------------------------------

List of Major Equipment / Facilities

Multi Stage Compressor test Rig
Study of Pressure Measurement Devices
Model of Francis Turbine
Model of Kaplan Turbine
Model of Hydro Electric Power Plant
"Prestige" Make Contact Type Hand Tachometer Model :630
Model of Hydraulic Brake

Free & Forced Vortex Apparatus
Water Hammer surge Apparatus (Closed circuit type)
Centrifugal compression Model
Computer System Acer Veriton –m-200-H-61, Desktop
Bernoulli Theorem Apparatus
Flow meter, pipe fitting, & Pipe friction apparatus
Centrifugal Pump (variable speed) apparatus
Pelton Wheel apparatus
Reciprocating Pump (variable speed) apparatus
2 in 1 Turbine Test Rig (Reaction Type) Apparatus , Kaplan & Francis Type Turbine
4 in 1 Fluid mechanics combined model of (1) Flow over notches (2) Impact of Jet Apparatus (3) Reynolds Apparatus (4) Metacentric Height Apparatus

List of Experimental Setup
Multi Stage Compressor test Rig
Study of Pressure Measurement Devices
Free & Forced Vortex Apparatus
Water Hammer surge Apparatus (Closed circuit type)
Bernoulli Theorem Apparatus
Flow meter, pipe fitting, & Pipe friction apparatus
Centrifugal Pump (variable speed) apparatus
Pelton Wheel apparatus
Reciprocating Pump (variable speed) apparatus
2 in 1 Turbine Test Rig (Reaction Type) Apparatus , Kaplan & Francis Type Turbine
4 in 1 Fluid mechanics combined model of (1) Flow over notches (2) Impact of Jet Apparatus (3) Reynolds Apparatus (4) Metacentric Height Apparatus

Name of Laboratory	MECHANICAL MEASUREMENT & METROLOGY
---------------------------	---

List of Major Equipment / Facilities
Vernier Calliper (Simple)
Outside Micrometer
Dial Vernier
Bevel Protector
Sine Bar
Dial Indicator
China Make Gear Tooth Vernier
Forbes Height Gauge
Stopwatch

Surface Plate
Surface Plate Stand
Dead Weight Tester
100 Mm Industrial Pressure Gauge
100 Diaphragm Gauge
Comparator Stand
Thread Gauge
Micrometer Stand
Temperature Gauge Vertical
Temp Distance Type
Adjustable Snap Gauges
Measurement Pin Set
Micrometer Stand
Thread Plug Gauge
Thread Ring Gauge
Plain Plug Gauge
Air Plug Gauge
Air Setting Ring
Plain Ring Gauge
Digimatic Vernier Calliper
Inside Micrometer
Depth Gauge Micrometer
Feeler Gauge
Screw Thread Micro
Bore Gauge With Dial
Radius Gauge
Screw Pitch Gauge
Samrat V Block (Pair)
Checking Component For Sine Bar
Plastic Limited Charts
Anvil Set For Screw Thread Micro.
Surface Roughness Tester
Surface Roughness Tester Stand
Display Charts
Slide O Chart
Dial Test Indicator
Magnetic Stand
Mitutoyo Make Disk Micrometre (0-25 Mm)

Mitutoyo Make Disk Micrometre (25-50 Mm)
Mitutoyo Make Outside Micrometre (0-25 Mm)
Profile Projector
Gear Rolling Tester

List of Experimental Setup
Vernier Calliper (Simple)
Outside Micrometer
Bevel Protector
Sine Bar
Dead Weight Tester
Comparator Stand
Temp Distance Type
Adjustable Snap Gauges
Screw Thread Micro
Checking Component for Sine Bar
Surface Roughness Tester
Surface Roughness Tester Stand
Dial Test Indicator
Profile Projector
Gear Rolling Tester

Name of Laboratory	MATERIAL TECHNOLOGY LABORATORY
--------------------	---------------------------------------

List of Major Equipment / Facilities
Wardhan Make Metallurgical Microscope Model INBT II
Muffle Furnace
Hardness Tester
Analytical Balance
SINGLE DISK POLISHING M/C
Muffle Furnace/Microscopic Specimen Set
Hardness Tester Stand
Jomeny End Quench App.
Polishing Stand
Hardness Test Block
Microscope
Projection Screen For Microscope
Microscopic Specimen Set

Digital Muffle Furnace
Ups (D.S. 600 VA Mini)
HP D X 6100 SYSTEM WITH P4.2 GHz HT COMPLETE
CD Writer 52x
Advanced Inverted Metallurgical Microscope With 5MP CMOS Camera With Calibration

List of Experimental Setup
Wardhan Make Metallurgical Microscope Model INBT II
Muffle Furnace
Hardness Tester
Analytical Balance
SINGLE DISK POLISHING M/C
Muffle Furnace/Microscopic Specimen Set
Hardness Tester Stand
Jomeny End Quench App.
Hardness Test Block
Microscope
Projection Screen For Microscope
Digital Muffle Furnace
Advanced Inverted Metallurgical Microscope With 5MP CMOS Camera With Calibration

Name of Laboratory	REFRIGERATION AND AIR CONDITIONING
---------------------------	---

List of Major Equipment / Facilities
Re-Circulation Type Air – Conditioning Trainer
Water to water Heat pump
Split Air conditioning Trainer
Refrigeration Cycle Test Ring
Water Chilling Test Ring
Evaporative Cooling Unit
Anemometer -2 nos.
Thermometer - 6 nos.

List of Experimental Setup
Re-Circulation Type Air – Conditioning
Water to water Heat pump
Split Air conditioning Trainer
Refrigeration Cycle Test Ring

Water Chilling Test Ring
Evaporative Cooling Unit

Name of Laboratory	HEAT POWER
--------------------	------------

List of Major Equipment / Facilities
Sectional Working Model of 2 Stroke Petrol Engine
Lever Safety Valve
Spring Loaded Safety Valve
Dead Weight Safety Valve
Feed Check Valve
Blow off Cock
Fusible Plugs
Stop Valve Hopkinson type
Model of Steam Engine
Stuffing Box
Green Economizer
Sugden Super heater
Model of Compound Steam Engine
Governor Models - Hartnell Governor
Pressure Gauge - Bourden's Type
Steam Engine 'D' Slide Valve
Fuel Supply System of A Petrol Engine
Fuel Supply System of A Diesel Engine
Four Stroke Diesel Engine
Sectional Model of Four Stroke Diesel Engine
Combined High Steam & Low Water Safety Valve
Model of Babcock & Wilcox Boiler
Model of Cochran Boiler
Model of Cornish Boiler
Model of Lancashire Boiler
Model of Locomotive Boiler
Model of Marcet Boiler
Model of Anti Priming Pipe
System make contact type Digital Tachometer

List of Experimental Setup
Single Cylinder Four Stroke Diesel Engine with Rope Brake Dynamometer

Name of Laboratory	ENERGY CONVERSION
---------------------------	--------------------------

List of Major Equipment / Facilities
Carburettor of a Bajaj (Super) Scooter
Four Stroke Four Cylinder I.C. Engine Test Rig (Petrol)
Single cylinder four stroke diesel engine test rig with eddy current dynamometer

List of Experimental Setup
Four Stroke Four Cylinder I.C. Engine Test Rig (Petrol)
Single cylinder four stroke diesel engine test rig with eddy current dynamometer

Nam of Laboratory	WORKSHOP
--------------------------	-----------------

List of Major Equipment / Facilities
C.N.C. Turning Centre – Power-150
V.M.C. Machine- Fine Mill
All Geared Lathe Machine
Lathe Machine 4.5', 5.5' & 7' - 12 Nos.
Spark Erosion Machine (EDM)
Milling Machine
Hydraulic Surface Grinding Machine
Shaping Machine
Slotting Machine
Hacksaw Machine
Oil fired rotary furnace
Open Fire furnace
Universal Tool & Cutter Grinding Machine
Redial Drill Machine
Wood Turning Lathe Machine
Arc Welding Machine
Spot Welding Machine
Gas Welding & Cutting Set
TIG Welding Machine
MIG Welding Machine
Bench drill machine 1/2"
Wood Working Machine
Drill Machine 3/4"
Pipe Bending Machine
Hand Grinding Machine
Open Fire Furnace
Fitting Bench vice - 25 Nos.
Carpentry Bench Vice - 24 Nos.
Surface Plate-C.I.1000x630mm
Surface Plate Granite 630x630mm
Dial Vernier 0-200
Bevel Protractor 360°
Combination Set

Height Gauge 0-250 mm
Magnetic V-Block 150x95x75mm
Inside Micrometer 25-50 mm
Outside Micrometer 25-50 mm - 2 Nos.
Bore Gauge 35-60 mm
Out Side Micrometer 0-150 mm
Depth Micrometer 0-25 mm
Micrometer 0-25 mm - 2 Nos.
Digital Micrometer 0-25 mm
Digital Vernier Calliper
Vernier Calliper set - 6 Nos.
Lever type Hand Shearing Machine
Bench Grinder Machine - 2 No
Bench Centre 300 x 100 mm

List of Experimental Setup
C.N.C. Turning Centre – Power-150
V.M.C. Machine- Fine Mill
All Geared Lathe Machine.
Lathe Machine 4.5', 5.5' & 7' - 12 Nos.
Spark Erosion Machine (EDM)
Milling Machine
Hydraulic Surface Grinding Machine
Shaping Machine
Slotting Machine
Oil fired rotary furnace
Open Fire furnace
Universal Tool & Cutter Grinding Machine
Redial Drill Machine
Wood Turning Lathe Machine
Arc Welding Machine
Spot Welding Machine
Gas Welding & Cutting Set
TIG Welding Machine
MIG Welding Machine
Bench Grinder Machine
Wood Working Machine
Drill M/c. ¾" & 1/2"
Pipe Bending Machine
Lever type Hand Shearing Machine

Name of Department	ELECTRICAL ENGINEERING	Total No of Laboratory :	11
---------------------------	-------------------------------	---------------------------------	-----------

Name of Laboratory	ELEMENT OF ELECTRICAL ENGINEERING LABORATORY
---------------------------	---

List of Major Equipment / Facilities
Variac/AC Single phase Power Supply 230 V, 5 Amp
DC Power Supply 0 to 30 V variable
Resistance box
Resister bank

Capacitor bank
Chalk Coil
Multimeter , Voltmeter, ammeter
Reostate
Wattmeter
Probes and wires

List of Experimental Setup	
1. To verify DC circuit currents and voltage	
2. To verify Kirchhoff's Laws	
3. To verify Thevenin's theorem	
4. To verify Norton's theorem	
5. To obtain response of RL circuit	
6. To obtain response of RC circuit	
7. To obtain response of RLC circuit	
8. To verify two single phase power	
9. To verify two wattmeter method	

Nam of Laboratory	HIGH VOLTAGE ENGINEERING LABORATORY
--------------------------	--

List of Major Equipment / Facilities	
Impulse generator(150kv,225J)	
Oil testing kit (0-80kV)	
Paper Insulation Tester (0-30kV)	
100 kV Capacitance Divider)	
Cascading transformer (230/50kV)	

List of Experimental Setup	
(1)To Understand Design Planning Layout & safety measures of High Voltage Laboratory.	
(2)To study the phenomenon of corona formation (Using Horn Gap).	
(3)To Perform Breakdown characteristics of air between different electrodes.	
(4)To measurement of AC voltage using varying sphere gap.	
(5)To measurement of DC voltage using varying sphere gap.	
(6)To Perform Generation of AC High Voltage by Cascading of Transformer.	
(7)To perform the Impulse Generation.	
(8)To measurement of breakdown strength of transformer oil.	
(9)To measure of insulation level of solids.	

- | |
|--|
| (10)To plot equipotential filed lines to calculate the capacitance and energy for a given (a) parallel plate and (b) co-axial cable capacitor model electrode configuration. |
| (11) To study corona formation of HVAC Lines. |
| (12)To measure High voltage using CVT. |

Nam of Laboratory ELECTRICAL MACHINE LABORATORY

List of Major Equipment / Facilities

- | |
|---|
| DC Motor Generator Set- Shunt, Series and Compound. |
| 3 phase Induction Motor Generator Set |
| 1 phase Induction Motor Generator Set |
| 3 Phase Transformers. |
| 1 Phase Transformers |
| 3 Winding Transformers |
| VFD Drives, Siemens make Micro Master |
| Schrage Motor |
| 3 phase resistive, inductive loads |
| 3 phase and 1 phase variac |

List of Experimental Setup

- | |
|---|
| (1)To draw magnetizing characteristic of the separately excited DC Generator. |
| (2)To draw external characteristic of DC shunt Generator. |
| (3)To draw external characteristic of DC compound Generator. |
| (4)To perform speed control of DC Machine. |
| (5)To separate out the loses of DC Machine |
| (6)To draw various Motor characteristics. |
| (7)To perform Swinburn's test of DC Machine. |
| (8)To perform Field Test of DC Series machie. |
| (9)To perform Hopkinson test on DC machine. |
| (10)Polarity test and voltage ratio test of single phase transformer |
| (11)Load test of single phase transformer |
| (12)To perform SC and OC test of a 1 phase transformer. |
| (13)To perform Back to Back test of Single phase transformer |
| (14)Parallel operation of two 1 phase transformer |
| (15)Parallel operation of two three phase transformer |
| (16)Scot connection of two single phase transformer. |
| (17)To find out the DY11 and DY1 vector group of the transformer with the |

multimeter.
(18)To perform direct load test on 3 phase transformer.
(19)No load and block rotor test of 1 phase Induction Motor.
(20)To perform polarity test on 3 phase induction motor.
(21)No load and block rotor test of 3 phase Induction Motor and draw circle diagram.
(22)To draw equivalent circuit of a 3 phase Induction Motor.
(23)To perform Load test of a 3 phase Induction Motor.
(24)Speed control of a Schrage Motor.
(25)To perform cascading of 3 phase induction motor
(26)To perform speed control of 3 phase induction motor by VFD
(27)Measurement of the slip of the 3 phase induction motor.
(28)To perform direct load test on 3 phase alternators.
(29)To find out regulation of an alternator by Synchronous Impedance Method.
(30)To find out regulation of an alternator by MMF Method.
(31)To find out regulation of alternator by ZPF Method.
(32)To perform Slip test of the Synchronous Machine.
(33)To plot the V curve of the Synchronous Machine.
(34)Synchronization of the two alternators.
(35)To perform the slip test of the synchronous machine
(36)To find out the zero-sequence reactance of the Synchronous machine
(37)To find out the negative sequence reactance of the Synchronous machine
(38)To find out the sub transient reactance of the Synchronous machine

Nam of Laboratory	ELECTRICAL MEASUREMENT & MEASURING INSTRUMENTS
--------------------------	---

Bridges
Energy Meter Testing Panel
Meter Calibration Kit
Experimental Kit
D.C.Power supply
Digital Multimeter
C.R.O.

List of Experimental Setup
(1)To Measure medium value of unknown resistance by Wheatstone bridge method.
(2)Measurement of low resistance Kelvin Double Bridge Method.
(3)Measurement of High Resistance by Megohm Bridge method.

(4) Measurement of Self-inductance by using Maxwell Bridge.
(5) Measurement of Self-Inductance (High Quality factor) by using Hay's Bridge.
(6) To determine accurate Quality Factor of an unknown coil.
(7) Measurement Of Self Inductance By using Owen Bridge.
(8) Measurement of Capacitance by using Wien Series Bridge.
(9) To study the measurement of Insulation Resistance by Megger
(10) Measurement of Capacitance by De-Sauty bridge.
(11) To Perform & measurement of various parameter on Digital multi-meter trainer kit
(12) measurement of capacitance using Schering bridge
(13) Extension of range of ammeter using CT.
(14) Measurement of high voltage
(15) To obtain CT saturation curve.
(16) Calibrate of single phase energy meter.
(17) To measure power single phase A.C. circuit by 3 voltmeter method.
(18) To measure the unknown medium resistance by substitution method.
(1) To verify the Superposition theorem.
(2) To verify the Thevenin's theorems.
(3) To verify the Norton's theorems.
(4) To verify the maximum power transfer theorem.
(5) To verify the reciprocity theorem.
(6) To measure and verify transient time-response of R-C circuit.
(7) To measure and verify transient time-response of R-L circuit.
(8) To perform Polarity and voltage Ratio Test of 1 phase transformer.
(9) To verify the Impedance parameters of two port networks.
(10) To verify the admittance parameters for a two port network.
(11) To verify the hybrid parameters for a two port network.
(12) To verify the transmission parameters for a two port network.

Nam of Laboratory	Power Electronics
--------------------------	--------------------------

List of Major Equipment / Facilities

- | |
|--|
| 1. Device Characteristics Trainer Kit |
| 2. Three Phase Inverter Trainer Kit |
| 3. Three Phase AC Voltage Controller Kit |
| 4. Three Phase Thyristor Power and Driver Card |
| 5. Three Phase Driver and Power Card With Protection |
| 6. Starter kit for 8051 Microcontroller |

7. ARM Cortex M4 32 Bit Microcontroller Kit
8. Single Phase Rectifier with Capacitor Filter
9. Three Phase Rectifier with Capacitor Filter
10. 70 MHz Bandwidth, 2 Channel, Digital Storage Oscilloscope

List of Experimental Setup

1. (a) V-I characteristic and measurement of latching/holding current of SCR. (b) Observation of SCR V-I characteristic on oscilloscope.
2. To perform the output characteristic of MOSFET
3. To perform the transfer characteristic of MOSFET.
To perform Study the output characteristic of IGBT.
4. To perform the transfer characteristic of IGBT.
5. To study TRIAC characteristic (a) Mode identification of TRIAC (b) Speed control of fan using TRIAC
6. To study about chopper.
7. To study the firing scheme of SCR (a) R-C triggering scheme (b) UJT triggering scheme
8. Study of gate pulse generating circuit for 3 phase inverters.
10 Study of 120 degree conduction mode 3 phase inverter with Y-connected R load.
11 Study of 180 degree conduction mode 3 phase inverter with Y-connected R load.
12 Study of SPWM 3 phase inverter with Y-connected R load.
13 Study of SVM 3 phase inverter with Y-connected R load.
14 Study of 3 phase 4 wire ACVC with Y-connected load.
15 Study of 3 phase 3 wire ACVC with Y-connected load.
16 Study of 3 phase 3 wire ACVC with Δ -connected load.

Name of Laboratory

CONTROL SYSTEM LABORATORY

List of Major Equipment / Facilities

Trainer Kit
Digital Multimeter
Ammeter
Probes and wires

List of Experimental Setup

1. To generate various types of testing signals.
2. To Perform The Experiment for Type "0" Control System.

3. To Perform The Experiment for Type “1” Control System.
4. To Perform The Experiment for Type “2” Control System.
5. To Plot The Characteristics Of A Potentiometer and Study The Effects Of Loading.
6. An Experiment To Understand Working of Synchros.
7. Study of Speed-Torque Characteristics of Separately Excited DC Motor using open loop Armature Voltage Variation.
8. Study of Speed -Torque Characteristics of Separately Excited DC Motor using Closed loop Armature Voltage Control (P-PI)
9. To Perform Speed-Torque Characteristics of AC Motor using open loop system
10.To Perform Speed-Torque Characteristics of AC Motor using closed loop system(P-PI)

Name of Laboratory	INDUSTRIAL INSTRUMENTATION LABORATORY
---------------------------	--

List of Major Equipment / Facilities
Trainer Kit
Function Generator
20 MHz Dual Trace CRO
Electronic Voltmeter (DMM)
Digital Multimeter
Probes and wires

List of Experimental Setup
SUB:- II
1. To perform the working of Digital Strain Indicator
2. To Perform the Electronic Weighing System using load cell
3. To Study and observe Pressure measurement using Piezo Resistive Sensor
4. To Study and observe LVDT for pressure measurement
5. To study and observe angular displacement measurement by capacitive pick up
6. To Study and observe synchro transmitter rotor position v/s stator voltage for 3φ
7. To Study and observe displacement measurement using inductive pick up
8. To measure Static Torque By Static Torque Sensor
9. To study about some of the symbols used in instrumentation systems

Name of Laboratory	Power System Protection
---------------------------	--------------------------------

List of Major Equipment / Facilities
Auxiliary Relay- Two Element CV2 in casing A.C. version
"ABB" 1-Q IDMTL Relay, Current - 1A, AUX. V -110 V D.C. with high set

"ABB" ICM21 Relay with high set 2 Nos . O/C& 1 Nos. E/F with O/C setting
"ABB" Static motor Protection Relay
1phase IDMT O/C Relay with high set, 0.5-2A
1phase Very Inverse type O/C Relay with high set 0.5-2 OF 1 AMP, 110 V D.C.
Static type O/C & EIF Relay
"ABB" ICM 21 np Relay 2 NOS O/C +1 NO EIF, O/C Setting 0.5-2.0 A1 EIF O/C
Loading Rheostate 3-0,415V, STAR ,VOLT/PHASE,240,15kW,,DISSIPAS./PHASE, 5kW,, AMP./PHASE20A,LOAD/STEP 500W.
"ALSHTOM" CDG 14, Extremely Inverse O/C Relay.
"GEC ALSHTOM" 1-0 IDMTL Directional, O/C Relay MODEL :- CDD – 21
Reverse Power Relay
Electromagnetic TYPE 1-0 Definite Time O/C Relay CTU 12
1phase IDMTL Directional E/F Relay
Percentage based Differential Relay MODEL : DDT-32
Negative phase Sequence Current Relay CTMM 12
Portable Testing Kit for distance Relay with Acce. type ZFB
Semaphore Indicator VAM – 12 Electromagnetic O/C Relay
"TRIO" 3 phase Transformer capacity : 5kVA
Power Transmission Line Trainer Kit

List of Experimental Setup
Testing of Radial Feeder Protective System.
Testing of Parallel Feeder Protective System.
Testing of Comprehensive Over Current Line Protective System.
Testing Of Differential Protection Of Transformer.
Testing Of Reverse Power Protection Of Alternator.
Testing Of Induction Motor Protection System.
Testing Of Restricted Earth Fault Protection For Transformer.
To Study The Testing Of Circuit Breaker.
To obtain voltage regulation and efficiency of a short transmission line for different specified set of receiving end quantities.
To obtain voltage regulation and efficiency of a medium transmission line for different specified set of receiving end quantities.
Working with Bi-directional 3phase AC Measurement panel & Observing Flow of Real & Reactive Power.
Load test for RL & RC load & Calculation of regulation, Efficiency of transmission line.
To analyze L-G fault of a interconnected power system using interconnection of sequence networks.
To analyze L- L-G fault of a interconnected power system using interconnection of sequence networks.
To analyse L-L-L fault of a interconnected power system using interconnection of

sequence networks.

Name of Laboratory	ELECTRICAL MACHINE DESIGN LABORATORY
---------------------------	---

List of Major Equipment / Facilities

A.C. Motor Cut set model

D.C. Motor cut set model

Transformer cut set model

Variac

List of Experimental Setup

1. To demonstrate the A.C. Motor Cut set model.
2. To demonstrate the D.C. Motor Cut set model.
3. To demonstrate the Transformer cut set model.
4. Tutorial

Name of Laboratory	Computer Programming Laboratory
---------------------------	--

List of Major Equipment / Facilities

Desktop Dell – 9 Intel CORE i5 7th Generation 8 GB RAM, 1 TB HARD DISK WINDOS 10 OS

Desktop Acer – 10 Intel CORE i5 7th Generation 8 GB RAM, 1 TB HARD DISK WINDOS 10 OS

Desktop Acer – 03 Intel CORE i3 7th Generation 8 GB RAM, 1 TB HARD DISK WINDOS 10 OS

List of Experimental Setup (Python Programming)
--

- [1] Write Python programs to understand control structures.
- [2] Write Python programs to understand list and tuples.
- [3] Use conditional statements and loops in Python programs.
- [4] Write python programs to create functions and use functions in the program.
- [5] Import module and use it in Python programs.
- [6] Write python program to plot data using PyPlot.
- [7] To become familiar with MicroPython and NodeMCU. Configure NodeMCU for MicroPython.
- [8] Write program in MicroPython to send digital data on GPIO pins of NodeMCU and glow LED connected with NodeMCU or any other MicroPython supported board.
- [9] Connect Digital/Analog I/O module with NodeMCU and write program to display temperature in MicroPython.
- [10] Connect NodeMCU with with WiFi Access Point and transmit data from NodeMCU to Cloud. Connect Digital/Analog I/O module with NodeMCU and send temperature and

light data on cloud (Thingspeak, Firebase or any other cloud service).

List of Experimental Setup (Signals And Systems)

- [1] To generate and plot continuous time and discrete time signal using MATLAB.
- [2] To generate discrete time signal using different sampling rates and to observe aliasing effect using MATLAB.
- [3] To simulate various properties of systems using MATLAB.
- [4] To simulate various mathematical operations on signals using MATLAB.
- [5] To simulate convolution theorem using MATLAB.
- [6] To simulate continuous and discrete time system.
- [7] To compute FT and DTFT of continuous time and discrete time sequences.
- [8] To study Arduino board, various sensors and their features.
- [9] To interface IR sensors and measure distance using Arduino.
- [10] Automation using Arduino and ESP8266 WiFi module.

Name of Laboratory **MICROPROCESSOR LABORATORY**

List of Major Equipment / Facilities

Trainer Kit

Function Generator

20 MHz Dual Trace CRO

Electronic Voltmeter (DMM)

Digital Multimeter

Probes and wires

List of Experimental Setup

1. Verifying the different parameters of op-amp in a trainer kit.
2. An experiment -the op-amp as an inverting amplifier in a trainer kit.
3. Verifying op-amp as a non- inverting amplifier in a trainer kit.
4. An experiment - the op-amp as a comparator.
5. Verifying half adder with truth table in a trainer kit.
6. An experiment on full adder and verify truth table.
7. Experiment on 2 to 1 line Multiplexer (Encoder) and verify their truth tables.
8. An experiment - 2 to 4 Demultiplexer (Decoder) and verify the Truth tables.
9. Experiment on half subtractor and verify truth table with a trainer kit.
10. An experiment - full subtractor and verify truth table with a trainer kit.
11. Verifying the binary to gray code converter and verify truth table with a trainer kit.

Name of Department	Chemical Engineering	Total No of Laboratory :	11
---------------------------	-----------------------------	---------------------------------	-----------

Name of Laboratory	Chemistry-(A-09)
---------------------------	-------------------------

List of Major Equipment / Facilities	
1.	Laboratory Oven
2.	Single pan Rough Balance
3.	Digital Balance
4.	Controller Based Conductivity meter
5.	Digital Conductivity –TDS meter
6.	Microprocessor pHmeter

List of Experimental Setup	
1.	To determine the hardness of given sample of water. (Potable water)
2.	To prepare 0.1 N sulphuric acid standard solution and find out the strength of the supplied sodium carbonate and sodium bicarbonate solution in a mixture of both.
3.	To determine the alkalinity of given sample.
4.	To determine the Equivalent weight of an organic acid, say Acetic Acid.
5.	To prepare a sample of Colloid (Cream).
6.	To determine Total Dissolve Solid in given waste water sample.
7.	To determine Total Hardness in given waste water sample.
8.	To determine the Chloride in given waste water sample.
9.	To determine the alkalinity of given sample.
10.	To determine the Equivalent weight of an organic acid, say Acetic Acid.
11.	To study the effect of concentration of reactant on the rate of reaction between sodium Thiosulphate and hydrochloric acid
12.	To study the effect of temperature on the rate of reaction between sodium Thiosulphate and hydrochloric acid.
13.	To determine the strength of the given Hydrochloric acid by Sodium hydroxide conductometrically.
14.	To determine the concentration and amount of acid in a mixture of HCL and HAc (pH metrically)
15.	To determine the turbidity of given sample in NTU unit by turbidity meter.
16.	Determine saponification value of an oil sample.
17.	To determine the acid value of the given sample of oil.
18.	To synthesis aspirin from salicylic acid.
19.	To study the effect of concentration of reactant on the rate of reaction between sodium Thiosulphate and hydrochloric acid
20.	To study the effect of temperature on the rate of reaction between sodium Thiosulphate and hydrochloric acid.
21.	To determine the concentration and amount of acid in a mixture of HCL and HAc (pH metrically)
22.	Preparation of phenyl azo – β – naphthol from aniline.
23.	Preparation of nitro benzene from benzene.
24.	To prepare mordant yellow dye.
25.	Preparation of fast green O dye. (di nitro so resorcinol)
26.	Preparation of disperse dye.
27.	To prepare m-Di-Nitrobenzene from Nitrobenzene.
28.	Characterization of a given sample of wastewater by determining its pH.

29.	Determination of Total Dissolved Solid (TDS) of a given sample of water.
30.	Determination of Total Suspended Solid (TSS) of a given sample of water.
31.	To find out the quantity of Dissolved Oxygen (DO) present in the given water sample by Winkler's Method.
32.	To determine Biochemical Oxygen Demand (BOD) exerted by the given wastewater sample.
33.	To find out Chemical Oxygen Demand (COD) of the given wastewater sample.
34.	Determination of total residual chlorine in a given water sample
35.	Determination of alkalinity a given sample of water or wastewater.
36.	Determination of Hardness a given sample of water or wastewater.
37.	Demonstration of portable fire extinguisher and other personal protective equipment used in the laboratories.

V.V.P. ENGINEERING COLLEGE, RAJKOT

Name of Laboratory	Heat Transfer (Unit operations Lab-I –(A-05)
---------------------------	---

List of Major Equipment / Facilities	
1	Thermal conductivity
2	Forced convection apparatus
3	Lagged pipe apparatus
4	Emissivity apparatus
5	Critical heat flux apparatus
6	Composite wall apparatus
7	Finned tubes apparatus
8	Shell & tubes heat exchanger
9	Plate type heat exchanger

List of Experimental Setup	
1	To Determine The Emissivity Of Gray Body.
2	To Determine The Thermal Conductivity Of Given Metal Rod.
3	To Determine The Thermal Conductivity Of The Given Composite Walls.
4	To Determine Heat Transfer Co-Efficient By Forced Convection.
5	To Determine The Overall Heat Transfer Co-Efficient Of Shell And Tube Type Heat Exchangers.
6	To Determine Overall Heat Transfer Co-Efficient For Finned Tube Type Heat Exchangers.
7	To Determine Outside And Inside Heat Transfer For Parallel Plate Type Heat Exchanger.
8	To determine heat flow rate through the lagged pipe and compare it with the heater input for known value of thermal conductivity of lagging material.
9	To determine the thermal conductivity of lagging material, by heater input to the pipe.
10	To study the phenomenon of the boiling heat transfer and to plot the graph of heat flux versus temperature difference.

Name of Laboratory	Mechanical Operation -(Unit operations Lab-I –(A-05)
---------------------------	---

List of Major Equipment / Facilities	
1	Ball mill
2	Ribbon Blender
3	Cyclone separator
4	Jaw Crusher
5	Sieve shaker
6	Roll crusher
7	Agitated vessel
8	Plate & frame Filter Press
9	Brass Frame test sieve

List of Experimental Setup	
1	To determine the screen efficiency for the given sample.
2	To find mixing index.
3	To calculate the overall efficiency of the cyclone separator.
4	To determine Ratingen's constant, Bond's constant, Kick's constant and Work Index.

5	To determine nip angle, Reduction Ratio, Ribbon Factor, Ratingen's constant, Bond's constant, Kick's constant, Work Index as well as Theoretical & Actual Capacity.
6	To determine Critical index, Work Index, Bond's Law, Ratingen's Law and Kick's Law for Ball mill.
7	To Study how the power consumption of an agitator changes with Reynolds and Froude numbers.
8	To carry out the batch sedimentation tests.
9	To study the Filter Press.

Name of Laboratory	Chemical Reaction Engineering (Chemical Reaction Engineering Lab -A205)
---------------------------	--

List of Major Equipment / Facilities	
1	Spiral Tube Reactor
2	CSTR (RTD)
3	RTD in Plug Flow
4	RTD Sine Tube
5	Packed Bed Reactor

List of Experimental Setup	
1	To determine the activation energy of the reaction between sodium thiosulphate and HCl using Arrhenius Equation for unknown kinetics.
2	To determine the kinetics of the reaction between ethyl acetate and sodium hydroxide at room temperature by the integral method of analysis.
3	To measure the kinetics of a reaction between ethyl acetate and sodium hydroxide under condition of excess ethyl acetate at room temperature.
4	To determine the activation energy and frequency factor for reaction between ethyl acetate and sodium hydroxide.
5	To determine the kinetics of the reaction between ethyl acetate and sodium hydroxide at room temperature by the differential method of analysis.
6	To determine effect of initial concentration of reactant on conversion of reaction between ethyl acetate and NaOH.
7	To determine effect of initial concentration on rate of reaction sodium thiosulfate and hydrochloric acid.
8	To find the RTD data in tubular reactor using Pulse Input method
9	To find the RTD data in sine tube reactor using Pulse Input method
10	To find the RTD data in PFR using Pulse Input method
11	To find the RTD data in spiral tubereactor for Pulse Input.
12	To determine the various curves like E, F, EQ for packed bed reactor.
13	To evaluate the effective Mass Transfer relevant to intrinsic kinetics for ethyl acetate - NaOH system conducted in homogeneous & heterogeneous manner.
14	To study the kinetics of dissolution of benzoic acid.
15	Preparation of Ag/Al ₂ O ₃ Catalyst preparation method using wet impregnation method.
16	Determine Kinetic parameter for cyclohexane oxidation reaction.
17	To determine the mass transfer coefficient (K_{Ga}) on the gas side for the system of air and CO ₂ reacting with buffer solution and further evaluating the concentration differences over a period of time from the mass transfer rate in bubble contactor.
18	To demonstrate the adsorption phenomena. -To determine the adsorption parameters using Langmuir adsorption.
19	-To demonstrate the adsorption phenomena. -To determine the adsorption parameters using Freundlich adsorption.
20	To conduct an experiment on a cylindrical pellet of benzoic acid in an agitated liquid to determine the following basic characteristics. a) Saturation solubility b)

	Volumetric mass transfer coefficient
--	--------------------------------------

Name of Laboratory	Petroleum Refining & Petrochemicals (Chemical Process Industries Lab -A204)
---------------------------	--

List of Major Equipment / Facilities:	
1	Distillation Apparatus
2	Carbon Residue Apparatus (Rams Bottom)
3	Carbon Residue Apparatus (Conradson)
4	Bomb Calorimeter
5	Engler Viscometer
6	Saybolt Viscometer
7	Cleveland Flash & Fire Point Apparatus
8	Smoke Point Apparatus
9	Copper Strip Corrosion Test Apparatus
10	Cloud & Pour Point Four Test with Insulated Body
11	Softening Point Apparatus
12	Penetrometer Apparatus

List of Experimental Setup	
1	To determine the smoke point of given Kerosene sample by Smoke Point Apparatus.
2	To determine the viscosity of given sample using Engler Viscometer.
3	To determine the viscosity of given sample using Saybolt Viscometer.
4	To determine the Flash and Fire Point of given sample by Cleveland Open Cup Apparatus
5	To determine the amount of carbon content in the given sample of oil using Rams Bottom carbon residue apparatus.
6	To determine the percentage of corrosive Sulphur in a given petroleum product using Constant Temperature Bath.
7	To evaluate the crude oil stock by A.S.T.M. distillation (in terms of naphtha and distillation of naphtha. To characterize the given petroleum product by A.S.T.M. distillation (To plot A.S.T.M. curve)
8	To determine Softening point of given sample by Ring & Ball Apparatus
9	To determine Cloud & Pour point of given sample by Cloud & Pour Point Apparatus
10	To determine Penetration test of Bitumen by Penetration Apparatus

Name of Laboratory	Unit Process and Chemical Technology (Chemical Process Industries Lab -A204)
---------------------------	---

List of Major Equipment / Facilities:	
1	Laboratory Oven
2	Muffle Furnace with digital control
3	Rectangular Water Bath

List of Experimental Setup	
1	To prepare soap in the laboratory and carry out its cost analysis.
2	To prepare detergent in the laboratory and to carry out its cost analysis.
3	To prepare hydrated lime from the given calcium carbonate powder
4	To prepare caustic soda by chemical method.
5	Preparation of phenyl azo - β - Naphthol from aniline.
6	To prepare mordant yellow dye
7	Preparation of fast green o dye.
8	Preparation of m di nitro benzene from nitrobenzene.
9	To determine saponification value of an oil sample.

10	To determine the acid value of the given sample of oil.
----	---

Name of Laboratory	Unit Operation Lab-II (Mass Transfer Operation) –A105
---------------------------	--

List of Major Equipment / Facilities	
1	Stirred Cell Solid - liquid mass transfer coefficient Reactor MOC: Glass Agitator Variable Speed Motor HP 1.2
2	Diffusion Coefficient of CCl_4 in air
3	Fixed bed Adsorption With regeneration. (Solid Liquid system)
4	Air Drier.
5	Forced Draft Cooling Tower.
6	Bubble Cap Distillation Column

List of Experimental Setup	
1	To determine the % extraction for the benzoic acid from dilute aqueous solution using toluene as solvent.
2	To determine the diffusion co-efficient of CCl_4 in air & it's variation with temperature.
3	Determine mass transfer co-efficient of liquid (water) evaporation to atmospheric air at elevated temperature.
4	To determine the efficiency of single stage leaching operation for leaching of NaOH aqueous solution & CaCO_3 .
5	To study the (cross current) liquid-liquid extraction for extracting acetic acid from benzene using water as solvent and determine:
6	To determine the stage efficiency and the overall recovery of NaOH for multistage cross current leaching operation for leaching NaOH from mixture of NaOH and CaCO_3 using water as a solvent.
7	To find out crystal yield with & without seeding
8	To prepare the ternary diagram for a system of three liquid one pair partially soluble i.e. acetic acid, benzene and water system.
9	To study the Characteristics of Adsorption for Silica Gel.
10	To study and verify the Freundlich's Adsorption Isotherm of adsorption of Oxalic Acid and Charcoal.
11	To measure the vapor pressure of acetone and calculate latent heat of vaporization.
12	To Verify Rayleigh's Equation for Differential Distillation.
13	To verify the Equilibrium Relationship for n-Butanol Water System
14	To Find Out The Critical Moisture Content of A Given Material.
15	To study the humidification operation and calculate all the terminology's used for air – water contact operation.
16	To study the batch distillation with rectification (Bubble Cap Distillation Column) and to compare the theoretical procedure with experimental results.

Name of Laboratory	Instrumentation & Process Control – A06
---------------------------	--

List of Major Equipment / Facilities	
1	Computerized Pressure Trainer
2	Computerized Temperature control Trainer
3	Interacting & Non Interacting System
4	First and Second Order System

List of Experimental Setup	
1	Dynamic Response of First Order Systems Thermometer and Thermo well
2	Step response of Single Capacity System
3	Impulse response of Single Capacity System
4	Step Response of Non-Interacting Multi-Capacity Systems
5	Impulse Response of Non-Interacting Multi-Capacity Systems
6	Step Response of Interacting Multi-Capacity Systems
7	Impulse Response of Interacting Multi-Capacity Systems
8	Dynamic Response of Thermo well to a Periodic Change in Input
9	Dynamic Response of a Mercury Manometer
10	Dynamic Response of a Water Manometer

Name of Laboratory	Modelling and Simulation-A10
---------------------------	-------------------------------------

List of Major Equipment / Facilities	
1	22 Nos. :- Acer Computer System, 8GB RAM, 1TB HDD, Windows 10 Home Edition.

List of Experimental Setup	
	NIL

Name of Laboratory	Research Lab-A09
---------------------------	-------------------------

List of Major Equipment / Facilities	
1	VLE Apparatus
2	Photo Catalytic reactor
3	Draft bubble column
4	Refractrometer

List of Experimental Setup	
	NIL

Name of Laboratory	Environment Lab-H101
---------------------------	-----------------------------

List of Major Equipment / Facilities	
1.	Digital Weighing Balance
2.	Hot Air Oven
3.	COD Digester
4.	BOD Incubator
5.	Water Analyzer Kit
6.	Pocket type pH meter
7.	Pocket type TDS meter
8.	UV-VIS double beam spectrophotometer
9.	Water Bath
10.	Ambient Air Combo Dust Sampler
11.	Stack Monitoring Kit
12.	Digital Sound Level Meter
13.	Pen type digital thermometer
14.	Distillation Assembly

List of Experimental Setup(For Waste water)	
1.	pH Testing
2.	TDS Testing
3.	TSS Testing
4.	TS Testing
5.	Dissolved Oxygen Testing
6.	BOD Testing
7.	COD Testing
8.	Oil & Grease Testing
9.	Chloride Testing
10.	Sulfide Testing
11.	Sulphate Testing
12.	Phenol Testing
13.	Phosphate Testing
14.	Residual Chlorine Testing

Name of Department	Information Technology Department	Total No of Laboratory :	06
---------------------------	--	---------------------------------	-----------

Name of Laboratory	Simulation and Designing Lab (D02)
---------------------------	---

List of Major Equipment / Facilities
24 - Computer System
01 - L2 24 Port Switch
01 - L2 48 Port Switch
01 - 24 Port Patch Panel
01 - 48 Port Patch Panel
01 - 12U Rack

List of Experimental Setup - Nil

Name of Laboratory	Network Lab (D03)
---------------------------	--------------------------

List of Major Equipment / Facilities
25 - Computer System
01 - LaserJet Printer Canon

List of Experimental Setup
Nil

Name of Laboratory	Database System and System Software Lab (D05)
---------------------------	--

List of Major Equipment / Facilities
24 - Computer System
01 - L2 48 Port Switch
01 - 48 Port Patch Panel
01 - 9U Rack
01 - Canon LaserJet Printer

List of Experimental Setup

Name of Laboratory	Advance Programming Lab (D103)
---------------------------	---------------------------------------

List of Major Equipment / Facilities
25 - Computer System
01 - Smart Station
L2 - 48 Port Switch
48 - Port Patch Panel
01 - LaserJet Printer
01 - A4 Size Flat Scanner
9U – Rack

List of Experimental Setup

Name of Laboratory	Internet Lab (D105)
---------------------------	----------------------------

List of Major Equipment / Facilities
24 - Computer System
01 - LaserJet Printer HP 1018
01 - A4 Size Flat Scanner
01 - L2 24 Port Switch
01 - L2 48 Port Switch
01 - 24 Port Patch Panel
01 - 48 Port Patch Panel
01 - 12U Rack

List of Experimental Setup

Name of Laboratory	Basic Programming Lab (D201)
---------------------------	-------------------------------------

List of Major Equipment / Facilities
24 - Computer System
01 - 9U Rack
01 - L2 24 Port Switch
01 - 48 Port Patch Panel
01 - D-link E-Switch 24 Port

List of Experimental Setup

Name of Laboratory	Server Room (D101)
---------------------------	---------------------------

List of Major Equipment / Facilities

- | |
|-----------------------------|
| 01 - Dell – Server |
| 01 - IBM – Server |
| 01 - HCL – Server |
| 01 - Sophos XG Firewall |
| 01 - 6 KVA ONLINE UPS |
| 04 - BENQ LCD Projector |
| 01 - CASIO LCD Projector |
| 01 - Multi Function Printer |

List of Experimental Setup

Name of Department	COMPUTER ENGINEERING	Total No of Laboratory :	6
		Server Room :	1

Name of Laboratory	PROJECT LAB (C03 - Lab - 1)
---------------------------	------------------------------------

List of Major Equipment / Facilities

- | |
|--|
| <ol style="list-style-type: none"> 1. ACER VERITON M200-H61, I3 2130, 500 GB HDD,4 GB RAM (23) 2. L2 24 Port Manageable Network Switch DES-3526 (1) 3. L2 48 Port Manageable Network Switch DES -3550 (1) 4. Laser Printer HP-1020- Plus (1) 5. LaserJet 01 Multi-Function Printer Canon All in One (1) |
|--|

List of Experimental Setup

Practical Experimental setup for Odd and Even Semester Students.

Subjects are :

- 1) Python for Data Science
- 2) Software Engineering
- 3) Mobile computing & wireless comm.
- 4) Web Programming
- 5) Design Engineering

Name of Laboratory	Computer Network Lab (C04 - Lab – 2)
---------------------------	--

List of Major Equipment / Facilities
1. Acer C2D, 4GB RAM,320 GB HDD (24) 2. ACER VERITON M200-H61, I3 2130, 500 GB HDD,4 GB RAM (1)

List of Experimental Setup
Practical Experimental setup for Odd and Even Semester Students. Subjects are : 1) Computer Networks 2)Artificial Intelligence 3) Information and Network Security 4) Advanced Java 5) Object-Oriented Programming 1

Name of Laboratory	Advanced Software Development Lab (C-103 Lab – 3)
---------------------------	--

List of Major Equipment / Facilities
1. Acer C2D, 4GB RAM,320 GB HDD (3) 2. Dell Vostro 3800 Desktop Slim Tower, I3 4th Generation, 4 GB Ram, 500 GB Hard Disc, 16x DVD Writer, Dell 18.5 Monitor, Dell USB Mouse (20) 3. SMART STATION THINK CLIENT 2510 (1) 4. L2 24 Port Switch DES-3526 (1) 5. L2 48 Port Switch DES-3550 (1) 6. Laser Printer Canon 1210 (1)

List of Experimental Setup
Practical Experimental setup for Odd and Even Semester Students. Subjects are : 1) Data Structures 2) Mobile Application 3)Big Data Analytics 4)IoT

Name of Laboratory	Database Lab (C-104 Lab – 4)
---------------------------	-------------------------------------

List of Major Equipment / Facilities
1. Acer C2D, 4GB RAM,320 GB HDD (12) 2. ACER PC VERITON I3 540, 500 GB, 4 GB RAM(8) 3. Dell Vostro 3800 Desktop Slim Tower, I3 4th Generation, 4 GB Ram, 500 GB Hard Disc, 16x DVD Writer, Dell 18.5 Monitor (5)

4. A4 SIZE SCANNER LiDe 100 (1)

List of Experimental Setup

Practical Experimental setup for Odd and Even Semester Students.

Subjects are :

- 1) Database Management System
- 2) Analysis & Design Algorithm
- 3) Compiler Design
- 4) Theory of Computing
- 5) Operating System

Name of Laboratory

Computer Programming & Utilization Lab (C-202 Lab – 5)

List of Major Equipment / Facilities

1. Acer C2D, 4GB RAM, 320 GB HDD (24)
2. ACER PC VERITON I3 540, 500 GB, 4 GB RAM (1)
3. L2 48 Port Switch - DES 3550 (1)

List of Experimental Setup

Practical Experimental setup for Odd and Even Semester Students.

Subjects are :

- 1) Data Structures
- 2) Computer Organization
- 3) Programming for Problem Solving

Name of Laboratory

Internet Lab (D-105 CE Internet Lab)

List of Major Equipment / Facilities

1. Acer C2D, 4GB RAM, 320 GB HDD (21)
2. ACER PC VERITON I3 540, 500 GB, 4 GB RAM (4)
3. L2 48 Port Switch - DES 3550 (1)

List of Experimental Setup

Practical Experimental setup for Odd and Even Semester Students.

Subjects are :

- 1) Design Engineering
- 2) Project

Name of Laboratory	SERVER Room (D-101 SERVER Room)
---------------------------	--

List of Major Equipment / Facilities
<ol style="list-style-type: none"> 1. HCL INFINITI 146 SAS,16 MB (2) 2. DELL Xenon Processor 128 GB RAM 4TB HDD (1) 3. ACER VERITON M200-H61, I3 2130, 500 GB HDD,4 GB RAM (1) 4. 1-Port Mini Gbic LX SM (9 for lab) 5. Zone Flex 802.11g Wireless Access Point High-Performance Controller(1) 6. 1000 Base-T to 1000 Base LX Media Converter (6) 7. RACK 42U (1) 8. Projector Casio LED XJ-M140 (1 for All Labs) 9. Benq Projector MX 532P (2 for All Labs) 10. 5 KVA UPS

List of Experimental Setup
<p>Servers for Students experimental Setup.</p> <ol style="list-style-type: none"> 1) Oracle Client, 2) MS SQL, 3) ERP Online, 4) FTP

Name of Department	Biotechnology Engineering Department	Total No of Laboratory :	04
---------------------------	---	---------------------------------	-----------

Name of Laboratory	General Biotechnology Lab
---------------------------	----------------------------------

List of Major Equipment / Facilities
<ul style="list-style-type: none"> • Autoclave • Orbital Shaking Incubator • pH meter • Microscope • COD Digester • Water Bath • Weighing Balance • Hot Air Oven • Biological Incubator • Centrifuge • Magnetic Stirrer • Laminar Air Flow • Shaker • Refrigerator

List of Experimental Setup

Name of Laboratory	Bio Informatics Lab
---------------------------	----------------------------

List of Major Equipment / Facilities

- ACER VERETION M-200System CORE I3
- D Link DGS-150-28 Switch
- Air Conditional

List of Experimental Setup

Name of Laboratory	Basic Taxonomy and Techniques Lab
---------------------------	--

List of Major Equipment / Facilities

- Microscope
- Water Bath
- Weighing Balance
- Centrifuge
- Magnetic Stirrer
- PC based double beam UV-Vis Spectrophotometer
- Distillation Unit Borosil
- UV light
- Colorimeter

List of Experimental Setup

Name of Laboratory	Animal and Plant Biotechnology Lab
---------------------------	---

List of Major Equipment / Facilities

- Air Conditional
- Laminar Air Flow
- Refrigerator

List of Experimental Setup

Name of Department	CIVIL	Total No of Laboratory :	10
---------------------------	--------------	---------------------------------	-----------

Name of Laboratory	Earthquake Engineering & Surveying (J-01)
---------------------------	--

List of Major Equipment / Facilities
<ol style="list-style-type: none"> 1. Uniaxial shake table 2. Earthquake models(08 Numbers) 3. Prismatic compass 4. Automatic level 5. Theodolite 6. Total station 7. Plane Table set 8. EDM (Electronic Distance Measurement)

List of Experimental Setup(Earthquake Engineering)
<ol style="list-style-type: none"> 1. Spring Mass Model 2. Mode shapes of Multi-storey buildingBuilding 3. Response of Structure with & Without shear wall and bracing system 4. Response of Building with re-entrant corner 5. Behavior of Structure under Pounding 6. (a) Liquefaction Potential of Clayey & Sandy Soil (b) Response of Structure with isolated, Raft & Pile Foundation under Liquefaction

List of Experimental Setup (Surveying)
<ol style="list-style-type: none"> 1. Understanding of Plane Table Surveying instruments and its setting out work 2. Plane Table Surveying practice by : intersection method 3. Plane Table surveying practice by: radiation method. 4. Theodolite instrument : Introduction to components and its function 5. Tachometry Survey Project 6. Theodolite traversing and plotting of traverse by applying corrections in Gale's traverse table 7. Setting out simple circular curve by Offsets From Long Chord Method 8. Computation of area of submergence and storage volume from contour maps for reservoir projects 9. Introduction to modern surveying Instruments.

Name of Laboratory	Highway Engineering(J-03)AND (J-05)
---------------------------	--

List of Major Equipment / Facilities
<ol style="list-style-type: none"> 1. Bitumen Ductility test apparatus 2. Bitumen extractor 3. Ring & ball app.

4. Standard Penetrometer
5. Marshal stability test machine
6. Water bath

List of Experimental Setup

1. Introduction To Highway Engineering Laboratory Equipment
2. Flakiness Index
3. Elongation Index
4. Aggregate Impact Test
5. Los Angeles Abrasion Test
6. Softening Point Test
7. Ductility Test
8. Penetration Test
9. Flash & Fire Point Test

Name of Laboratory	Geo tech /Soil Mechanics(J-04)
---------------------------	---------------------------------------

List of Major Equipment / Facilities

1. Triaxial machine
2. Swelling pressure instruments
3. Consolidation test apparatus
4. SPT test apparatus
5. C.B.R. testing machine
6. Liquid limit test apparatus
7. Compaction test apparatus
8. Permeability test apparatus
9. Hot air oven
10. Shrinkage limit
11. Hydrometer

List of Experimental Setup

1. In-situ Density Test
2. Sieve Analysis
3. Atterberg limits test
4. Permeability Test
5. Proctor Compaction Test
6. Consolidation /Odometer Test
7. Direct Box Shear Test

List of Experimental Setup

1. Proctor Compaction Test
2. California Bearing Ratio Test
3. Direct shear test
4. Unconfined compression test
5. Consolidation test
6. Demonstration of Triaxial test
7. Free swell and swelling Potential

Name of Laboratory	Concrete Technology(J-05)
---------------------------	----------------------------------

List of Major Equipment / Facilities

1. Compression testing machine
2. Universal testing machine
3. Beam and Cube moulds
4. Vicat apparatus
5. Accelerated curing tank
6. Sieve shaker
7. Vibrating machine
8. Concrete mixture machine
9. Sieve shaker
10. Hot air oven
11. Density basket
12. F.I. & E.I. test apparatus
13. Aggregate Impact & crushing test apparatus
14. Los angles abrasion machine
15. Profoscope
16. Ultrasonic Pulse Velocity Apparatus
17. Rebound Hammer

List of Experimental Setup

1. Fineness of Cement By Sieving
2. Standard Consistency Test of Cement
3. Initial & Final Setting Time of Cement
4. Compressive Strength of Cement
5. Soundness Test of Cement
6. Sieve Analysis (Fine And Coarse Aggregates)
7. Flakiness & Elongation Index Test
8. Water Absorption & Specific Gravity of Aggregates
9. Aggregate Impact Value Test
10. Aggregate Crushing Value Test
11. Aggregate Abrasion Value Test
12. Project :- Concrete Mix Design
13. Slump Test
14. Compaction Factor Test
15. Compressive Strength of Concrete
16. Rebound Hammer Test
17. UPV Test
18. Rebars Detection Test

Name of Laboratory	Environmental Engineering(J-102)
---------------------------	---

List of Major Equipment / Facilities

1. Jar Test apparatus
2. Digital pH Meter
3. COD Digester
4. BOD Incubator
5. Noise Level Meter
6. Ambient air monitoring
7. Stack monitoring

8. Distillation plant

List of Experimental Setup

- | |
|---|
| <ol style="list-style-type: none">1. Introduction to Equipment in Environmental Engineering Laboratory2. Introduction to Standards, Sampling, Collection and Preservation of samples3. Presumptive test for coliform bacteria4. Determination of pH and conductivity for water and wastewater5. Determination of Solids (suspended, dissolved and Settle able)6. Determination of Acidity, Alkalinity and Hardness7. Determination of fluoride and nitrate8. Measurement of Chlorides and Residual chlorine9. Determination of BOD in wastewater sample10. Determination of COD in wastewater sample11. Determination of optimum coagulant dosage for sedimentation12. Ambient air quality measurement using High Volume sampler13. Exhaust gas analysis for air pollutants14. Measurement of noise at different sources using sound meter |
|---|

Name of Laboratory	Fluid Mechanics(J-103) AND (G-01)
---------------------------	--

List of Major Equipment / Facilities

- | |
|---|
| <ol style="list-style-type: none">1. Electric analogy apparatus2. Open channel apparatus |
|---|

List of Experimental Setup

- | |
|--|
| <ol style="list-style-type: none">1. To study and understand different pressure measurement devices.2. To determine meta centric height of floating body.3. Verification of Bernoulli's theorem.4. To determine of co-efficient of discharge of a venturimeter5. To determine of co-efficient of discharge of a orifice meter6. To determine the coefficient of discharge of triangular notch.7. To determine the coefficient of discharge of Rectangular notch.8. Pipe Friction9. Performance characteristics of water Turbine10. Performance characteristics of centrifugal pump11. Hydraulic Jump |
|--|

Name of Laboratory	Computer Aided Design(J-104)
---------------------------	-------------------------------------

List of Major Equipment / Facilities

- | |
|---|
| <ol style="list-style-type: none">1. Dell vostro intel i3 3.6 GHz, 4 GB RAM, 500GB storage PC(25nos)2. RCDC (software)3. RCDC FE, PLANWIN, STEEL AUTO Drafter (software) |
|---|

- 4.AutoCAD (software)
- 5.Revit Architecture (software)
- 6.Resist (software)
- 7.QGIS Software

List of Experimental Setup

- 1.2D Drafting using AutoCAD
2. 3D modelling using AutoCAD
3. 3D modelling using Revit architecture

List of Experimental Setup

1. Projections and Reprojections
2. Georeferencing the map
3. Map digitization
4. Spatial analysis
5. Terrain data analysis
6. Soil erosion and hazard mapping
7. Watershed delineation
8. Map preparation

Name of Laboratory	Mechanics of Solids(J-105) AND (J-05)
---------------------------	--

List of Major Equipment / Facilities

1. System of forces apparatus
2. Fly wheel
3. Simply supported Beam apparatus
4. Inclined plane & friction apparatus
5. Simple lifting machines
6. Structural mechanics apparatus

List of Experimental Setup

1. Coplanar Concurrent Forces
2. Non- Concurrent and Coplanar Forces
3. Compression Test
4. Shear Test
5. Izod Impact Test
6. Tension Test
7. Coefficient of static friction
8. Simply supported Beam
9. Differential Wheel and axle
10. Single purchased crab

Name of Laboratory	Drawing Hall(J-106)
---------------------------	----------------------------

List of Major Equipment / Facilities

1. Drawing tables (30 Nos)

List of Experimental Setup

Not Applicable

Name of Laboratory	Building Construction(J-204)
---------------------------	-------------------------------------

List of Major Equipment / Facilities

- | |
|-------------------------|
| 1. Models of Doors |
| 2. Models of Windows |
| 3. Models of Foundation |
| 4. Models of Staircase |
| 5. Models of Piles |
| 6. Models of Truss |

List of Experimental Setup

Not Applicable

• Computing Facilities

Internet Bandwidth

300 mbps bandwidth 1:1

Number and configuration of System

No. of PC	Branded PC like Acer, Dell, IBM, Lenovo, HP etc.	Configuration
35	ACER	ACER VERITON i5 3330, 8 GB RAM, 500 GB HDD
10	DELL	DELL VOSTRO i5 7400, 8 GB RAM, 1 TB HDD
10	ACER	ACER VERITON i5 7400, 8 GB RAM, 1 TB HDD
6	ACER	ACER VERITON i3 8GEN, 8 GB RAM, 1 TB HDD
142	ACER	ACER VERITON i3 7100, 8 GB RAM 1 TB HDD
13	DELL	DELL VOSTRO i3 7100, 8 GB RAM, 1 TB HDD
75	DELL	DELL VOSTRO i3 4150, 4 GB RAM 500 GB HDD
15	ACER	ACER VERITON i3 4130 4 GB RAM 500 GB HDD

27	ACER	ACER VERITON i3 3220, 2 GB RAM, 500 GB HDD
63	ACER	ACER VERITON i3 2130, 4 GB RAM, 500 GB HDD
36	ACER	ACER VERITON i3 550, 4 GB RAM, 500 GB HDD
171	ACER	ACER SYSTEMS C2D, 4 GB RAM, 320 GB HDD
32	LENOVO	LENOVO, P4, 512 RAM, 160 GB HDD
52	IBM	IBM P4, 1 GB RAM, 80 GB HDD
23	HP	HP-COMPAQ P4, 512 MB RAM, 80 GB HDD
20	ZENITH	ZENITH P-IV, 1 GB RAM, 80GB HDD
02	IBM	IBM 8434-KAK PIV, 256 MB RAM, 40 GB HDD

No. of Laptop	Brand	Configuration
01	DELL VOSTRO 3480	i3 8TH GEN, 4 GB RAM, 1 TB RAM
02	ACER TRAVEL MATE TMP249-G2-M	i3 7TH GEN, 4 GB RAM, 1 TB RAM
08	Dell VOSTRO 2420	i3, 2 GB RAM, 500 GB HDD
01	Dell VOSTRO 1400	C2D, 1 GB RAM, 120 GB HDD

No. of Server	Branded PC Dell, HCL, IBM etc...	Configuration
01	DELL R740 SERVER	INTEL XEON BRONZE 3106 8 CORE, 128 GB RAM, 4 TB SAS HDD, 495 W DUAL HOT PLUG POWER SUPPLY, DELL PERC H330 INTEGRATED RAID CONTROLLER + SOFTWARE, BROADCOM 5720 QP 1 GB NETWORK DAUGHTER CARD
04	HCL SERVER	HCL INFINITI GLOBAL LINE 270050 SERVER XEON E5405, 8 GB RAM, 146 GB SAS HDD DUAL, 1 GB ETHERNET DUAL
05	IBM SERVER	IBM X SERIES 226 SERVER, MT-M8648-I65, 1GB RAM, 3.0 GHZ PROCESSOR, 73 GB SCSI HDD, 2 ETHERNET
01	COMPAQ SERVER	INTEL XEON PROCESSOR@3.0GHz, INTEL E7320 SERVER CHIPSET, 1GB ECC DDR RAM, ONBOARD GIGA ETHERNET

No of Printers available at Institute
--

48

No of Scanner available at Institute

11

No of Multi-Function Scanner available at Institute
--

17

No of Legal System Software

12

No of Legal Application Software

37

No of Peripheral(s)

SR	Peripheral Details	Qty
01	Head Phone	158
02	External HDD	08
03	Bio-Metrics Machine	01
04	Bio-Metrics Face Recognition	04
05	Wi Fi Controller	01
06	Wi Fi Routers	35
07	Sophos XG Firewall	01
08	Plotter	01
09	Bar Code Reader	08
10	Fiber GBIC Module	20
11	D-Link Single-Mode Media Converter (10KM)	23
14	Fiber LIU	16
15	Fiber Optic Pigtail	84

Total number of system connected by LAN/WAN

755

Major software packages available

Sr. No	Name of Software	Version	License No.	QTY	Cost
01	WIN SL8 SNGL OLP NL Academic Legalization Get Genuine	WINODWS 8	BASE LICENSE	337	19,56,918.00
02	Windows NT 4.	NT4	12931441		25500.00
03	MS-Office 2000	2000			11250.00
04	Norton Anti-Virus for NT	NT4			7500.00
05	Auto-Cad 2000	2000			37500.00
06	Borland Java Builder	4			7000.00

07	Windows 98	98			3500.00
08	MS-Visual Studio 6	6			12000.00
09	Norton Anti-Virus 2000	2000			7500.00
10	Red-Hat Linux 9.0	9.0			8000.00
11	Turbo C++	3.0			5000.00
12	Novel Netware 5.1 Base Pack	5.1			53850.00
13	Flash 5.0	5.0			6750.00
14	Oracle 9i	9.i			51000.00
15	MSDN Universal AA				42500.00
16	Cyberoam Suite	2007			58998.00
17	Norton Anti-Virus Corporate Endpoint	2008	7654031		21500.00
18	All Microsoft Operating Systems, Servers Operating Systems, All Visual Studio .NET products, MSDN, CAMPUS LICENSE	ALL VERSION	98M40098		233820.00
19	ORACLE 10G with ANNUAL TECHNICAL SUPPORT	10.2.0.1.0	35106/2006		213340.00
20	Cyberoam Basic DPU 250i-Web & Application Filter, IDP, Gateway Anti Virus & Anti Spam	9.5.4 Build 92	C010000825-QAXSJ6		4332260.00
21	Windows 2000 server 2 user , Windows 2000 21 user	2000			20000.00
22	Ultiboard 2001	2001			
23	A-MultiSIM 2001 B-Addon module for S/W MultiSIM VHDL	2001			
24	Comm SIM 2001	2001			
25	TINA PRO Educational Version 5 user				44,206.35
26	(a) MATLAB Ver 6.5 (rel 13) (b) MATLAB Toolbox (signal processing) (c) MATLAB Toolbox (filter design)	6.5			337500.00
27	MATLAB cdkit for PC & Unix,(UPDATION)	14	CDALL14		0.00
28	VLSI Design software xilinx make ISE series				171600.00
29	DSP application software system generator for DSP model : US-SYSGEN-4SL-PC				
30	ALTERA university program VHDL – VLSI software package				
31	Edutech make microtutor DSP lab MT DSP TMS 320LF2407 DSP processor Along with kits				57,573.00
32	Bloom with DSP tutor/Mat lab				240000.00

	tutor/Arch tutor Along with kits				
33	Prep: Pulse radar simulation software				90,000.00
34	Microtutor '51 Lab (Edutech Make)				68,700.00
35	Edutech make Microtutor '85 with windows based simulator for 5 user				19,475.00
36	Microtutor ' 86 (a full curriculum CD ROM Program for 5 user)				10,312.00
37	SC51 C compiler for 8051, Microcontroller family 2 user				60000.00
38	SCRAM - "C" Compiler (6 user)				123750.00
39	Lab View (50 User)	8.5			4,95,000.00
40	NETSIM - Network Simulator Academic Version 10 user	10.2			3,25,000.00
41	Mat Lab	05	336790		395200.00
	Simulink	02			
	Control System Toolbox	01			
	Data Equation Tool Box	01			
	Instrument Control Tool Box	01			
	Sim Power System	02			
	Simulink Control Design	01			
42	Mi Power	6.0	615805		364444.00
43	DIgSILENT Power Factory Software (PF4E) Education Version(50 Busbars)	Power Factory 2018			271,400.00
44	Engineering Drawing Learning				1400.00
45	Machine Drawing Learning				1600.00
46	Basic Mechanical Engineering				2100.00
47	AutoCAD 2010 inventor & AutoCAD 2010 Mechanical	2010			282000.00
48	Pro Engineering	Wild Fire 5.0			600000.00
49	ANSYS Academic Teaching Advance	ANSYS 14.5			508499.00

- Facilities for conduct of classes/courses in online mode (Theory & Practical)

Innovation Cell

Student Empowerment and Entrepreneurship Cell (SEEC), VVP Engineering College, Rajkot established to promote knowledge based & technologically driven start-ups by leveraging young minds and their capacity for Innovation, with the goal of creating jobs rather than searching for them.

SEEC, VVP Engineering College, Rajkot is working with objective:

1. To cultivate the entrepreneurial pursuit amongst students.
2. To provide exposure to Entrepreneurship development activities whereas students get motivated and develop the spirit of Entrepreneurship.
3. To act as a mentor and guide providing information about various grants and services to budding student entrepreneurs.

SEEC, VVP Engineering College has signed a Memorandum of Understanding with:

- Entrepreneurship Development Cell, Centre for Entrepreneurship Development (ED Cell / CED), Government of Gujarat.
- The Government of Gujarat pioneered Student Startup Innovation Policy (SSIP/GoG).
- Rural Entrepreneurship Development Cell, Department of Higher Education, Ministry of Education, Government of India (REDC/MoE/GoI).
- Institution Innovation Council, Ministry of Human Resource Development (IIC/MHRD).

The facilities being provided:

The institute has provided a well-organized seminar hall to the students of capacity of around 50 students. The room is dedicated only for entrepreneurship related activities. Internet Facility, dedicated computers and printers are also available to support the innovative activities of students and ED Cell. The major activities are:

1. Frequently organizing expert talks, lectures, interaction with young, successful Entrepreneurs. The objective of such activities is to inspire and motivate students to become successful entrepreneurs.
2. Organizing focused workshops on Design Thinking, Idea Generation, Business Model Canvas, and Business Plan Pitch-deck from resource persons with vast experience in such fields.
3. Organizing innovative Competitions such as Ideathon, Business Plan competitions, and Hackathon.
4. Mentoring students startups and counsel them till they have sustainable startup.

Major Activities Covered:

Date	Event Name	Description
24-04-2021	Eklavya (Ideathon) 2021	Eklavya (Ideathon) 2021 is organized on 24-04-2021 for VVP Engineering College students. Eklavya was organized on the theme of helping society with innovative idea during covid pandemic.
13-01-2020 to	Entrepreneurship Development Program (EDP)	Entrepreneurship Development Program (Module-2) in collaboration with Centre for Entrepreneurship Development (CED).

28-01-2020		During these days, expert sessions are conducted likewise Micro lab and business opportunity by Mr. Nilesh Raval, Business Selection Criteria by Mr. Dharmendra Rajput, How to get financial support by Mr. M. Chandrani, Market Management by Mr. Kartik Pandya, Account and Financial Management by Mr. Manish Raval and Ms. Aprana Puranik, Business Ethics and Value of Gandhian Philosophy in Entrepreneurship by Mr. Meghraj Singh Jadeja, etc followed by an Industrial Visit.
27-12-2018 to 29-12-2018	Entrepreneur Awareness Camp (EAC)	<p>A 3 days Entrepreneur Awareness Camp (EAC) in collaboration with National Science & Technology Entrepreneurship Development Board, Department of Science and Technology, Government of India, New Delhi (NSTEDB/DST/GoI).</p> <p>During these 3 days, expert session are conducted on Identification of Opportunity of entrepreneurs, how to start SSI Unit, Financial aspect of SSI Unit, Creativity in business, how to solve common problems faced by Entrepreneurs etc.</p>
10-07-2018	VVP Hackathon	VVP Hackathon is declared on 11th January, 2018 and it is first time initiated by VVP Engineering College, Rajkot. This Hackathon was mainly organized to encourage innovation amongst students and to provide solution of some VVP college's problems. Problems were divided in 3 categories like Implementation, Prototype and Idea. The Final Round of Hackathon 2018 was on 10th July, 2018. Total 41 problem statements were decided by the college which include all department's problems and some general problems. On 10th July 2018, final round was declared. Before final round, registration verification was done to finalize entries. In the final round total 34 teams were selected who have given solution to 17 problems.
15-02-2018 to 17-02-2018	Entrepreneur Awareness Camp (EAC)	<p>A 3 days Entrepreneur Awareness Camp (EAC) in collaboration with National Science & Technology Entrepreneurship Development Board, Department of Science and Technology, Government of India, New Delhi (NSTEDB/DST/GoI).</p> <p>During these 3 days, expert session are conducted on how to select business, Firm registration, Financial support from government, Business loans etc.</p>

Patent Details:

Sr. No	Title	Team	Patent File no	Date of filing	Detail of publishing with date
1.	Preparation of ambient cured eco-friendly concrete (EFC)	Prof. Milan H Manek, Mohit N Pandya	2017210357 12A	9.10.2017	5.10.2018
2.	Cooling System for Helmet and Similar Headgear	Vadgama Deep Pravinbhai Dhandhukiya Kaushik Kishorbhai Chauhan Akash Jayantbhai Prof. Ghodasara Pooja Mayurbhai	337094	29.06.2019	19.05.2020

• **List of facilities available**

- Games and Sports Facilities

Ground Name	Approximate Dimensions
Cricket + Football multipurpose ground	153 m * 168 m
Kabaddi	25 m * 28 m
Basketball Cement Concrete Court	15 m * 30 m
Kho-Kho	30 m * 15 m
Badminton Court @ Workshop	7 m * 15 m
Volleyball	18 m * 9 m
Indoor games room Chess, Carom, Table Tennis	10 m * 12 m

Indoor Games

- The institute celebrated indoor sports festival "Spirit Indoor 2021" on 5th September, 2021.
- There were 292 participants in total for the games of Chess, Carom, Table Tennis and Badminton.
- Students played these games with a high level of enthusiasm and spirit of the game.
- Winners of the game were declared on the same day and will be felicitated in the coming times.
- Some images of the events are attached herewith.



• Extra-Curricular Activities

LIST OF ACTIVITIES OF CULTURAL COMMITTEE

AY 17-18

Sr.No.	Activity Name	Date & Year	Brief of Activity	No. of Participants
1	15th AUGUST	15/08/2017	Flag Hosting, National Anthem	30
2	Youthfest - 2017	13/10/2017	This program various competition related Music, Dance, Literature, Theater & Fine Arts activity.	43
		30/10/2017	This program various competition related Music, Dance, Literature, Theater & Fine Arts activity.	18
3	Navratri - 2017	29/9/2017	A Garba competition was organized among students. We gave prizes to Prince, Princess & well dressed	190
4	26th JANUARY	26/01/2018	Flag Hosting, National Anthem, Petroitic, Song, Dance	50
5	Farewell - 2018	6/4/2018	In this activity student's Dance Performance, Sing a Song, Drama	90

6	Best out of waste	30/06/2018	Students make bags from waste colthes	60
---	-------------------	------------	---------------------------------------	----



AY 18-19

Sr.No.	Activity Name	Date & Year	Brief of Activity	No. of Participants
1	15th AUGUST	15/08/2018	Flag Hosting, National Anthem, Patriotic Song, Dance	50
2	Rasotsav - 2018	05/10/2018	A Garba competition was organized among students. We gave prizes to Prince, Princess & well dressed	150
3	26th JANUARY	26/01/2019	Activity on "India Since Freedom" Dance, Song, Drama, Flag Hosting, National Anthem.	65
4	Farewell - 2019	30/03/2019	In this activity student's Dance Performance, Duha ,Dayaroa ,Drama.	90



AY 19-20

Sr. No.	Activity Name	Date & Year	Brief of Activity	No. of Participants
1	15th AUGUST	15/08/2019	Flag Hosting, National Anthem	40
2	Youthfest - 2019	6-9-2019; 7-9-2019; 8-9-2019	This program various competition related Music, Dance, Literature, Theater & Fine Arts activity.	90
		12-10-2019; 13-10-2019; 14-10-2019	This program various competition related Music, Dance, Literature, Theater & Fine Arts activity.	55
3	Rasotsav - 2019	12/10/2019	A Garba competition was organized among students. We gave prizes to Prince, Princess & well dressed	210
4	26th JANUARY	26/01/2020	Flag Hosting, National Anthem, Patriotic, Song, Dance	45



AY 20-21

Sr. No .	Activity Name	Date & Year	Brief of Activity	No. of Participants
1	15th AUGUST	15/8/20	Flag Hosting, National Anthem (Only for staff)	
2	26th JANUARY	26/1/21	Flag Hosting, National Anthem, (Students of NCC & NSS + Staff)	45
3	Kalgi 2021	14-8-21	Offline Exhibition of Paintings, Sketches, Cartoons, Best out of waste, etc. by Fine Arts Club	25
4	Navrang 2021	4-9-21	This program covered various competition related Music, Dance, Literature, Theater & Fine Arts activity at Institute Level	80



V.V.P. E

- Soft Skill Development Facilities**

Name of Laboratory Language Lab (1)

List of Major Equipment / Facilities
1.A server
2.25 Client Computers
3.Globerena language lab software
4.White board
5.Project screen

List of Experimental Setup

PRACTICALS OF ENGLISH LAB		
Sr.	Particals	Hrs
1	Word Formation-1	2
2	Word Formation-2	2
3	Listening Comprehension	2
4	Transcription and dictionary usage	2
5	Common Everyday Situations: Conversations and Dialogues	4
6	Communication at Workplace	4
7	Common errors in writing	4
8	Reading Comprehension	2
9	Letter Writing, Precis Writing	4
10	Email Writing: Formal and Informal	2
PRACTICALS OF EFFECTIVE TECHNICAL COMMUNICATION LAB		
1	Role Play	2
2	Letter writing: Formal	2
3	Group Discussion	4
4	Presentations	4
5	Book Review (Preferably related to self-development)	4
6	Mock Interview	4
7	Report writing	2
8	Case studies related to unit 4, 5 and 6	6
9	Conducting meeting and minutes of meeting	2
10	Practical assessment	2

• Teaching Learning Process

- Curricula and syllabus for each of the Programmes as approved by the University

Curricula and syllabus for each of the Programmes as approved by the University	http://syllabus.gtu.ac.in/Syllabus.aspx?tp=BE
Academic Calendar of the University	Is as shown below
Teaching Load of each Faculty	As per norms
Internal Continuous Evaluation System and place	Internal continuous evaluation is being done as per Gujarat technological university guidelines and curriculum specification. Internalevaluation is done through components like mid-semester examination and technical knowledge test.

Academic Calendar of the University



GUJARAT TECHNOLOGICAL UNIVERSITY

(Established by Government of Gujarat under Gujarat Act No.:20 of 2007)

ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી

(ગુજરાત સરકારના ગુજરાત અધિનિયમ ક્રમાંક : ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

Accredited with A+ Grade by NAAC

Ref: GTU/Academic_Calendar_2023-24/ 5159

Date: 14/07/2023

ACADEMIC CALENDAR 2023-24(ODD TERM)

Sr. No.	Program / Course	Sem / Year	Term Start Date	Term End Date
1	B.Arch.	1	26-08-2023	30-12-2023
2	B.Arch.	3	24-07-2023	09-11-2023
3	B.Arch.	5,9	03-07-2023	04-11-2023
4	B.Arch.	7	04-07-2023	04-11-2023
5	B.Design	1	28-07-2023	09-11-2023
6	BID	1	28-07-2023	09-11-2023
7	BID	3	24-07-2023	09-11-2023
8	BID	5,7	03-07-2023	04-11-2023
9	D.Arch	1	18-07-2023	09-11-2023
10	D.Arch	3	01-08-2023	23-12-2023
11	D.Arch	5	03-07-2023	04-11-2023
12	M.Arch.	1	10-08-2023	30-12-2023
13	M.Arch.	3	24-07-2023	09-11-2023
14	DE	1	18-07-2023	09-11-2023
15	DE	3	10-08-2023	30-12-2023
16	DE	5	27-07-2023	16-12-2023
17	DE	7	24-07-2023	09-11-2023
18	B.Voc	1	28-07-2023	09-11-2023
19	B.Voc	3	24-07-2023	09-11-2023
20	B.Voc	5	03-07-2023	04-11-2023
21	BE	1	11-07-2023	04-11-2023
22	BE	3	14-08-2023	30-12-2023
23	BE	5	31-07-2023	16-12-2023
24	BE	7	27-07-2023	30-12-2023
25	BE (Part Time)/PDDC	3	07-08-2023	23-12-2023
26	BE (Part Time)/PDDC	5,7	24-07-2023	09-11-2023
27	D.Voc	1	28-07-2023	09-11-2023
28	D.Voc	3	24-07-2023	09-11-2023
29	D.Voc	5	03-07-2023	04-11-2023
30	ME	1	10-08-2023	30-12-2023
31	ME	3	01-08-2023	09-11-2023
32	BHMCT	1	10-08-2023	30-12-2023
33	BHMCT	3,5	24-07-2023	09-11-2023
34	BHMCT	7	13-07-2023	04-11-2023
35	MBA	1	22-08-2023	30-12-2023
36	MBA	3	20-07-2023	23-12-2023
37	MBA Integrated	1	28-07-2023	09-11-2023
38	MBA Integrated	3	24-07-2023	09-11-2023
39	MBA Integrated	5	13-07-2023	04-11-2023
40	MBA Integrated	9	24-07-2023	09-11-2023
41	MBA Integrated	7	03-07-2023	09-11-2023
42	MBA Part Time	3	24-07-2023	09-11-2023
43	MBA Part Time	5	03-07-2023	04-11-2023
44	M.Sc (CS) Integrated	3,5	13-07-2023	04-11-2023

Sr. No.	Program / Course	Sem / Year	Term Start Date	Term End Date
45	M.Sc (IT) Integrated	1	28-07-2023	09-11-2023
46	M.Sc (IT) Integrated	3	13-07-2023	04-11-2023
47	MCA	1	22-08-2023	30-12-2023
48	MCA	3	01-08-2023	23-12-2023
49	MCA	5	03-07-2023	04-11-2023
50	MCA Integrated	1	28-07-2023	09-11-2023
51	MCA Integrated	3	13-07-2023	04-11-2023
52	MCA Integrated	5	01-08-2023	23-12-2023
53	MCA Integrated	7	24-07-2023	09-11-2023
54	MCA Integrated	9	03-07-2023	04-11-2023
55	BBA	1	13-07-2023	04-11-2023
56	BBA	3	24-07-2023	09-11-2023
57	Integrated M.Sc(BT)	1,3	03-07-2023	04-11-2023
58	M.Sc(IBT)	1,3	03-07-2023	04-11-2023
59	MAHS	1	13-07-2023	04-11-2023
60	MAHS	3	03-07-2023	04-11-2023
61	PGDBI	1	03-07-2023	04-11-2023
62	PGDCS	1	13-07-2023	04-11-2023
63	PGDDM	1	24-07-2023	09-11-2023
64	PGDDS	1	01-08-2023	09-11-2023
65	PGDHM	1	24-07-2023	09-11-2023
66	B.Pharm	1	13-07-2023	04-11-2023
67	B.Pharm	3	21-08-2023	30-12-2023
68	B.Pharm	5	22-07-2023	09-11-2023
69	B.Pharm	7	03-07-2023	04-11-2023
70	D.Pharm	1	13-07-2023	05-04-2024
71	D.Pharm	2	24-07-2023	05-04-2024
72	M.Pharm	1	10-08-2023	30-12-2023
73	M.Pharm	3	21-08-2023	30-12-2023
74	Pharm.D.	1	07-08-2023	15-04-2024
75	Pharm.D.	2	21-08-2023	30-04-2024
76	Pharm.D.	3,4,5	13-07-2023	05-04-2024
77	Pharm.D.	6	03-07-2023	30-06-2024
78	Pharm.D.(PB)	1,2	13-07-2023	05-04-2024
79	Pharm.D.(PB)	3	03-07-2023	30-06-2024

Internship/SIP/Induction	Sem.	Start Date	End Date
DE (Internship 2 weeks)	3	10-08-2023	23-08-2023
DE (Internship 6 weeks)	5	27-07-2023	30-08-2023
BE (Internship of 2 weeks)	7	27-07-2023	10-08-2023
MBA (Internship 4 weeks)	3	20-07-2023	16-08-2023
IntegratedMBA(Internship 4 weeks)	7	03-07-2023	30-07-2023
BE (Induction of 2 weeks)	1	11-07-2023	25-07-2023
DE/D.Arch (Induction of 2 weeks)	1	18-07-2023	02-08-2023

Diwali Vacation dates:10-11-2023 to 30-11-2023

*If the number of teaching days falls less than 90 days in the academic session due to some unforeseen reasons, it would be the responsibility of each College/Institute to make good the loss by arranging extra classes.


13/7/23
Registrar

R.N.S.B. PRERIT VYAVSAI VIDYA PRATISTHAN - RAJKOT

Sanchalit

V.V.P. ENGINEERING COLLEGE - RAJKOT**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2018**

EXPENDITURE	AMOUNT	INCOME	AMOUNT
Administrative Exps.:		Income:	
To Advertisement Exps.	211462.00	By Tution Fees	188372075.00
To Audit Fee/Consuling Exps.	54640.00	By Misc. Income (College)	489827.00
To Bank commission & charges	6806.70	By Misc. Income (Student)	873895.00
To Conveyance Exps.	11767.00	By Consultancy Income	11744706.75
To Contingency Exps.	179718.00		
To Consultancy Exps.	11744706.75		
To Depreciation Exps.	5771878.70		
To Electricity Charges	1019983.10		
To Fee Com. Processing Fee Exps.	70000.00		
To A.I.C.T.E. Processing Fee Exp.	100000.00		
To Insurance Premium Exps.	1253520.00		
To Licence Fee	1100.00		
To Membership Fee	10000.00		
To Maintainence & Repairing	6726809.00		
To Misc. Exps.	3212.00		
To News Paper Magazine Exp.	311859.00		
To Office Exps.	110663.00		
To Postage,Tele.,Fax Exps.	34846.00		
To Printing & Stationery Exps.	451718.00		
To Interview Exps.	53418.00		
To Sansodhan Exp. (Staff)	341507.00		
To Sansodhan Exp. (Student)	53779.00		
To Security Exps.	4526233.00		
To Student Aid Scholarship Exps.	4600650.00		
To Student Activity Exps.	1862328.00		
To Student Store Payment	38211.00		
To Salary Exps.	151309688.00		
To Telephone Exps.	66922.00		
To Travelling Exps.	129126.00		
To GTU Affiliation Fee Exps.	791400.00		
To GTU Enrolled Fee Exps.	71725.00		
To GTU Processing Fee Exps.	25000.00		
To Municipal Tax	2836478.00		
To Surplus Trf to Trust A/c	6699349.50		
Total	201480503.75	Total	201480503.75

J.V. Deshpkar

PRINCIPAL**V.V.P. Engg. College
RAJKOT**Place: Rajkot
Date: 29.09.2018**PRESIDENT - MANAGING TRUSTEE - TRUSTEE
VYAVASAI VIDYA PRATISHTHAN
RAJKOT.**

Trustee

As per our report of even date
For, P.R.Dholakia & Co.
Chartered Accountants
F.R. No: 102521WC.P. Dholakia
Partner
M No.:129731

203, Solitaire, R.K. Nagar main road

R.N.S.B. PRERIT VYAVSAI VIDYA PRATISTHAN - RAJKOT

Sanchalit

V.V.P. ENGINEERING COLLEGE - RAJKOT

BALANCE SHEET AS ON 31.03.2018

LIABILITIES	AMOUNT	ASSETS	AMOUNT
Vyavsai Vidya Pratisthan :		Vyavsai Vidya Pratisthan :	
As per Last Year	3704334.14	Tranfered From Liabilities Side	79218061.18
Add: Surplus (c.y.)	6699349.50		
	10403683.64	Fixed Assets :	
Add: Trf to trust (c.y.)	174883456.00	As per Schedule 'C'	13139305.95
	185287139.64		
Less : Trf from trust	264505200.82	Investments :	
Tranfered To Asset Side	-79218061.18		
		Receivables :	
Other Funds :		Silver Pearl Tiles Pvt. Ltd.	141840.00
Staff Recreation Fund	138632.00		
Deposit :		Loan, Advances & Deposit :	
As per Schedule 'A'	17758850.00	As per Schedule 'D'	6677045.18
Advance Tution Fee :			
Tution Fee	47614300.00	Cash & Bank Balances :	
		R.N.S.B. A/c no. 10348	15618294.43
Provisions :		R.N.S.B. Sav. 39140	324819.00
Salary Arrears	2533756.00	R.N.S.B. Cur. A/c. A'bad No.1547	6822.00
Gratuity Provision	23766400.00	R.N.S.B.C/A. 2260	204361.00
Add: Addition (C.Y.)	6104533.00	R.N.S.B.C/A. 839	117624.00
	29870933.00	S.B.I. S/b A/c. No. 1401	71676.22
Sundry Creditors and Other payable :		R.N.S.B Cur. Kalawad Rd No. 662	968511.00
As per Schedule 'B'	19534550.25	Axis Bank	24755.29
		ICICI Bank S/b A/c No.17182	928686.00
		Cash in hand	9220.00
Total	117451021.25	Total	117451021.25

J Voeshka
PRINCIPAL
V.V.P. Engg. College
RAJKOT

Place: Rajkot
Date: 29.09.2018

PRESIDENT - MANAGING TRUSTEE - TRUSTEE
VYAVSAI VIDYA PRATISTHAN
Trustee



As per our report of even date
For, P.R.Dholakia & Co.
Chartered Accountants
F.R. No: 102521W

P. R. Dholakia
C.P. Dholakia
Partner
M No.:129731

203, Solitaire, R.K. Nagar main road

V.V.P. ENGINEERING COLLEGE - RAJKOT

Schedule 'A' to Balance Sheet as on 31.03.2018

DEPOSIT :-

Particulars	Opening Balance	Addition during the year	Refund during the year	Closing Balance
CMD 500/2000	126700.00	0.00	0.00	126700.00
CMD 3000	502800.00	0.00	0.00	502800.00
Library	892150.00	4000.00	131000.00	765150.00
Library Deposit 2000	920000.00	902000.00	10000.00	1812000.00
Work Shop Tool	11200.00	0.00	0.00	11200.00
CMD 5000	14716500.00	3434500.00	3625000.00	14526000.00
Dholakia Xerox Deposit	5000.00	0.00	0.00	5000.00
Ultra Xerox Deposit	5000.00	0.00	0.00	5000.00
Jignesh Moridhara	5000.00	0.00	0.00	5000.00
Total	17184350.00	4340500.00	3766000.00	17758850.00

Schedule 'B' to Balance Sheet as on 31.03.2018

Sundry Creditors And Other Payables :-

Particulars	AMOUNT
Sundry Creditors :-	
Balkrishna Industries Ltd.	31720.00
Care Biomedical Waste Incinerator	6000.00
G.S.P.C. Pipavav Power Coin Ltd.	6354.00
Krimasil Pvt. Ltd.	4500.00
Raghuvaran Naydu	500.00
Sanghi Industries Ltd.	8273.00
Shree Renuka Sugar Ltd	23530.00
Solaris Chemtech Unit-2	15242.00
Welspun Gujarat Stahl Rohren Ltd.	15500.00
Welspun Steel Ltd.	16900.00
Other Payable :-	
Guj.Tech.Uni.Exam reimbursement	1167672.00
G.T.U. Exam/Enrollment Fee	201099.00
Insurance Claim	57214.00
Laptop Insurance Prem. (Student)	2653.00
Environment audit payment Provision	10039843.25
Result based Scholarship Provision 15-16	1403950.00
Result based Scholarship Provision 16-17	1463900.00
Scholarship/Bank Loan	4400.00
Material Testing	282929.00
Material Testing payment provision	1477584.00
Admission Scholarship 15/16	78000.00
Admission Scholarship 16/17	38000.00
Admission Scholarship 17/18	2963800.00
Guj. Tech. Uni.(N.S.S.)	4649.00
Jess Ahmedabad (Sachin Saygal)	44680.00
AISHE Rem(Mhrs-Jaykar)	19000.00
TDS Others	47408.00
G.T.U. Techfest 17-18 Reg. Fee	109250.00
TOTAL	19534550.25

Place : RAJKOT

Date: 29.09.2018

S V Deshpande

PRINCIPAL

V.V.P. Engg. College

RAJKOT

PRESIDENT - MANAGING TRUSTEE - TRUSTEE
VYAVASAI VIDYA PRATISHTHAN
RAJKOT.



Chartered Accountants

R.N.S.B. PRERIT VYAVSAI VIDYA PRATISTHAN - RAJKOT
V.V.P. ENGINEERING COLLEGE - RAJKOT

Annexure "C" Assets & Depreciation:

Particulars	Fixed Assets Opening Balance	Addition	Deduction	Total	Depreciation Upto 31.03.2017	Depreciation 2017-18	Total Depreciation	Fixed Assets Closing Balance
Furniture	15271505.00	5100025.00	0.00	20371530.00	13262069.00	1373740.00	14635809.00	5735721.00
Computer	30836280.97	1904850.00	0.00	32741130.97	30809915.97	654965.50	31464881.47	1276249.50
Dead Stock	43860278.50	1219746.00	0.00	45080024.50	39831185.85	2119517.20	41950703.05	3129321.45
Laboratory Equipment	5968915.00	0.00	0.00	5968915.00	4041776.00	340083.00	4381859.00	1587056.00
Workshop Furnesh	31000.00	0.00	0.00	31000.00	31000.00	0.00	31000.00	0.00
EPABX System	107000.00	0.00	0.00	107000.00	107000.00	0.00	107000.00	0.00
Library Books	13835603.00	998609.00	0.00	14834212.00	12273881.00	1239287.00	13513168.00	1321044.00
Laptop	0.00	162000.00	27800.00	134200.00	0.00	44285.00	44285.00	89914.00
Total	109910582.47	9385230.00	27800.00	119268012.47	100356827.82	5771878.70	106128706.52	13139305.95

Place: RAJKOT
Date: 29.09.2018

S. V. Deshkar
PRINCIPAL
V.V.P. Engg. College
RAJKOT

PRESIDENT - MANAGING TRUSTEE - TRUSTEE
VYAVASAI VIDYA PRATISTHAN
RAJKOT.



*
Sign

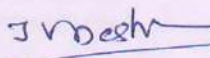
V.V.P. ENGINEERING COLLEGE - RAJKOT

Schedule 'D' to Balance Sheet as on 31.03.2018

Loan, Advances & Deposit :-

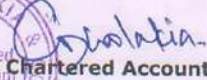
Particulars	AMOUNT
Bharat Sanchar Nigam Ltd.	21854.00
Gas Deposit	27450.00
G.E.B. Deposit (New Const.)	255254.00
Reliance Gas Deposit	2400.00
Telephone Deposit	23645.00
Tata Teleser. Ltd. Deposit	1499.00
C B Sidpara Adv	1157316.00
Mayurbhai Devmurari Adv.	747.00
Chandrakant S. Raichura	48000.00
Royal Developers	96000.00
Saurashtra Enviro Project Pvt. Ltd.	7500.00
Entrepreneurship Dev. Inst. of Ind.	10000.00
G.T.U. Techfest 17-18	75185.00
G.S.T.	19554.00
Project Co-ordinator	299261.00
T.D.S. Receivable L.Y. 3616574.18	
C.Y. 1014806.00	4631380.18
	6677045.18

Place : RAJKOT
Date: 29.09.2018


PRINCIPAL
V.V.P. Engg. College
RAJKOT

PRESIDENT - MANAGING TRUSTEE - TRUSTEE
VYAVASAI VIDYA PRATISHTHAN
RAJKOT.




Chartered Accountants

R.N.S.B. PRERIT VYAVSAI VIDYA PRATISTHAN - RAJKOT

Sanchalit

V.V.P. ENGINEERING COLLEGE - RAJKOT

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2019

EXPENDITURE	AMOUNT	INCOME	AMOUNT
Administrative Exps.:		Income:	
To Advertisement Exps.	172613.00	By Tution Fees	192360750.00
To Audit Fee/Consuling Exps.	80420.00	By Misc. Income (College)	398263.00
To Bank commission & charges	4197.90	By Misc. Income (Student)	941240.00
To Conveyance Exps.	11364.00	By Consultancy Income	9752266.00
To Contingency Exps.	20881.00		
To Consultancy Exps.	9752266.00		
To Depreciation Exps.	8025837.00		
To Electricity Charges	1226594.00		
To Insurance Premium Exps.	469925.00		
To Licence Fee	329100.00		
To Membership Fee	32200.00		
To Maintanence & Repairing	9205068.23		
To Misc. Exps.	107570.00		
To News Paper Magazine Exp.	162899.00		
To Office Exps.	18531.00		
To Postage,Tele.,Fax Exps.	40774.00		
To Printing & Stationery Exps.	497400.00		
To Interview Exps.	17240.00		
To Sansodhan Exp. (Staff)	398274.00		
To Sansodhan Exp. (Student)	87970.00		
To Security Exps.	5166603.00		
To Student Aid Scholarship Exps.	3458500.00		
To Salary Exps.	149934156.00		
To Telephone Exps.	37519.00		
To Travelling Exps.	86345.00		
To GTU Affiliation Fee Exps.	793600.00		
To GTU Enrolled Fee Exps.	76000.00		
To GTU Processing Fee Exps.	25000.00		
To Municipal Tax	792630.00		
To Student aid initiate co cu activity	1565017.00		
To NABL Lab Exps (Chemical)	853600.88		
To NABL Lab Exps (Civil)	209544.00		
To Seminar/expert Lec/sttp Exps	246622.00		
To Sponsorship Exps	40000.00		
To Student Ind. Tour Exps	187442.00		
To Student Sports Exps	536690.00		
To Training & Placement Exps	47710.00		
To Surplus Trf to Trust A/c	8734415.99		
Total	203452519.00	Total	203452519.00

As per our report of even date
For, P.R.Dholakia & Co.
Chartered Accountants
F.R. No: 102521W



S. R. Deshpande
PRINCIPAL
V.V.P. ENGG. COLLEGE
RAJKOT

Place: Rajkot
Date: 12.10.2019

x
Trustee

P.R. Dholakia
Partner
M No.:016058

203, Solitaire, Near Municipal Commissioner Bungalow, Ramkrishna Nagar Main Road, Rajkot - 360 002

Phone : (O) 0281 - 246 7770, 246 7771 e-mail : prdholakianco@gmail.com

R.N.S.B. PRERIT VYAVSAI VIDYA PRATISTHAN - RAJKOT

Sanchalit
V.V.P. ENGINEERING COLLEGE - RAJKOT

BALANCE SHEET AS ON 31.03.2019

LIABILITIES	AMOUNT	ASSETS	AMOUNT
Other Funds :		Vyavsai Vidya Pratisthan :	
Staff Recreation Fund	535749.00	As per last year	79218061.18
		Less : Surplus from I/E	8734415.99
			70483645.19
Deposit :		Add : Transfer from Trust	189246301.00
As per Schedule 'A'	18327850.00		259729946.19
		Less : Transfer to Trust	173554094.00
Advance Tution Fee :			86175852.19
Tution Fee	48013150.00		
		Fixed Assets :	
Provisions :		As per Schedule 'D'	20275746.95
Salary Arrears	2533756.00		
Gratuity Provision	29870933.00	Investments :	
Add: Addition (C.Y.)	4206876.00		
	34077809.00	Receivables :	
Sundry Creditors and Other payable :		Loan, Advances & Deposit :	
As per Schedule 'B'	17960373.25	As per Schedule 'C'	8169558.18
		Cash & Bank Balances :	
		R.N.S.B. A/c no. 10348	3062580.43
		R.N.S.B. Sav. 39140	17586.00
		R.N.S.B. Cur. A/c. A'bad No.1547	6822.00
		R.N.S.B.C/A. 2260	224111.00
		R.N.S.B.C/A. 839	1075043.79
		S.B.I. S/b A/c. No. 1401	668014.71
		R.N.S.B Cur. Kalawad Rd No. 662	1757976.00
		ICICI Bank S/b A/c No.17182	6336.00
		Cash in hand	9060.00
Total	121448687.25	Total	121448687.25

As per our report of even date
For, P.R.Dholakia & Co.
Chartered Accountants
F.R. No: 102521W



P.R. Dholakia
Partner

M No.:016058

203, Solitaire, R.K. Nagar main road

J.V. Oeshkar

PRINCIPAL
V.V.P. ENGG. COLLEGE
RAJKOT

Trustee

Place: Rajkot
Date: 12.10.2019

V.V.P. ENGINEERING COLLEGE - RAJKOT

Schedule 'A' to Balance Sheet as on 31.03.2019

DEPOSIT :-

Particulars	Opening Balance	Addition during the year	Refund during the year	Closing Balance
CMD 500/2000	126700.00	0.00	0.00	126700.00
CMD 3000	502800.00	0.00	0.00	502800.00
Library	765150.00	0.00	175000.00	590150.00
Library Deposit 2000	1812000.00	412000.00	180000.00	2206000.00
Work Shop Tool	11200.00	0.00	0.00	11200.00
CMD 5000	14526000.00	3610000.00	3260000.00	14876000.00
Dholakia Xerox Deposit	5000.00	0.00	0.00	5000.00
Ultra Xerox Deposit	5000.00	0.00	0.00	5000.00
Jignesh Moridhara	5000.00	0.00	0.00	5000.00
Total	17758850.00	4022000.00	3453000.00	18327850.00

Schedule 'B' to Balance Sheet as on 31.03.2019

Sundry Creditors And Other Payables :-

Particulars	AMOUNT
Sundry Creditors :-	
A.S.R. Multimetals Pvt Ltd	30642.00
Care Biomedical Waste Incinerator	6000.00
Cargil India Pvt Ltd	9434.00
Electrotheram	14232.00
Jay Bharat steel	16300.00
Krimasil Pvt Ltd	4500.00
MPSEZ Utilities Pvt Ltd	19596.00
Nayara Energy Ltd	21400.00
Reliance Industries Ltd	8637.00
Sanghi Industries Ltd	28827.00
Saurashtra Chemicals Ltd	24541.00
Shri Digvijay cement co Ltd	31860.00
Other Payable :-	
GTU Exam Reimbursement	566296.00
G.T.U. Exam/Enrollment Fee	909174.00
Insurance Claim	57214.00
Laptop Insurance Prem. (Student)	2653.00
Environment audit payment Provision	10029864.25
Result based Scholarship Provision 15-16	1013800.00
Result based Scholarship Provision 16-17	868810.00
Scholarship/Bank Loan	9400.00
S.S.I.P. GRANT	50000.00
Mayurbhai Devmurari	144.00
Material Testing payment provision	755064.00
Admission Scholarship 15/16	78000.00
Admission Scholarship 16/17	38000.00
Admission Scholarship 17/18	38900.00
Admission Scholarship 18/19	2766500.00
Guj. Tech. Uni.(N.S.S.)	24657.00
Jess Ahmedabad (Sachin Saygal)	44680.00
GTU Sports	210651.00
ICCR Student Hostel Fees	12000.00
GST	238112.00
TDS others	14585.00
TDS salary	15900.00
TOTAL	17960373.25

Place : RAJKOT
Date: 12.10.2019

J.V. Deshpande
PRINCIPAL
V.V.P. ENGG. COLLEGE
RAJKOT



Chartered Accountants

V.V.P. ENGINEERING COLLEGE - RAJKOT

Schedule 'D' to Balance Sheet as on 31.03.2019

Loan, Advances & Deposit :-

Particulars	AMOUNT
Amit R. Pathak Adv	30000.00
Gas Deposit	27450.00
G.E.B. Deposit (New Const.)	679224.00
Reliance Gas Deposit	2400.00
Telephone Deposit	23645.00
Tata Teleser. Ltd. Deposit	1499.00
C B Sidpara Adv	556000.00
S V Rajani	3418.00
V.V.P. Project Co.ordinator	533261.00
Entrepreneurship Dev. Inst. of Ind.	4000.00
G.T.U. Techfest 18-19	178248.00
Chandrakant S.Raichura	72000.00
Ediz Ceramics Pvt. Ltd.	145800.00
Rhytham Infocom pvt ltd	30.00
Saurashtra enviro projects pvt ltd	7500.00
Royal Developers	284000.00
Shri Gel Furniture	141840.00
T.D.S. Receivable	
L.Y.	4631380.18
C.Y.	847863.00
	5479243.18
	8169558.18

Place : RAJKOT
Date: 12.10.2019

J.V. Deshpande
X
PRINCIPAL
V.V.P. ENGG. COLLEGE
RAJKOT



Chartered Accountants

R.N.S.B. PRERIT VYAVSAI VIDYA PRATISTHAN - RAJKOT
V.V.P. ENGINEERING COLLEGE - RAJKOT

Annexure "C" Assets & Depreciation:

Particulars	Fixed Assets Opening Balance	Addition	Deduction	Total	Depreciation Upto 31.03.2018	Depreciation 2018-19	Total Depreciation	Fixed Assets Closing Balance
Furniture	20371530.00	2080512.00	0.00	22452042.00	14635809.00	1651556.00	16287365.00	6164677.00
Computer	32741130.97	4710795.00	0.00	37451925.97	31464881.47	2183163.00	33648044.47	3803881.50
Dead Stock	45080024.50	7972190.00	0.00	53052214.50	41950703.05	2721742.00	44672445.05	8379769.45
Laboratory Equipment	5968915.00	0.00	0.00	5968915.00	4381859.00	340083.00	4721942.00	1246973.00
Workshop Furnesh	31000.00			31000.00	31000.00		31000.00	0.00
EPABX System	107000.00			107000.00	107000.00		107000.00	0.00
Library Books	14834212.00	480581.00	0.00	15314793.00	13513168.00	1121179.00	14634347.00	680446.00
Laptop	134200.00	0.00	81800.00	52400.00	44286.00	8114.00	52400.00	0.00
Total	119268012.47	15244078.00	81800.00	134430290.47	106128706.52	8025837.00	114154543.52	20275746.95

Place: RAJKOT
Date: 12.10.2019

S.V. Deshpande

PRINCIPAL
V.V.P. ENGG. COLLEGE
RAJKOT



Chartered Accountants

R.N.S.B. PRERIT VYAVSAI VIDYA PRATISTHAN - RAJKOT

Sanchalit

V.V.P. ENGINEERING COLLEGE - RAJKOT

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2020

EXPENDITURE	AMOUNT	INCOME	AMOUNT
Administrative Exps.:		Income:	
To Advertisement Exps.	200930.00	By Tution Fees	192958100.00
To Audit Fee/Consulting Exps.	58740.00	By Misc. Income (College)	159812.00
To Bank commission & charges	5134.26	By Misc. Income (Student)	746220.00
To Contigency Exps.	103677.00	By Consultancy Income	6236518.00
To Consultancy Exps.	6236518.00		
To Depreciation Exps.	8500372.00		
To Electricity Charges	1536406.00		
To Insurance Premium Exps.	425894.00		
To Licence Fee	329900.00		
To Maintainence & Repairing	6976777.45		
To Misc. Exps.	136304.00		
To News Paper Magazine Exp.	217876.00		
To Office Exps.	15244.00		
To Postage,Tele.,Fax Exps.	29457.00		
To Printing & Stationery Exps.	474401.50		
To Sansodhan Exp. (Staff)	153090.00		
To Sansodhan Exp. (Student)	110798.00		
To Security Exps.	6293370.00		
To Student Aid Scholarship Exps.	4109800.00		
To Salary Exps.	154235993.00		
To Telephone Exps.	38898.00		
To Travelling Exps.	128627.00		
To GTU Affiliation Fee Exps.	747700.00		
To GTU Enrolled Fee Exps.	87925.00		
To GTU Processing Fee Exps.	25000.00		
To Municipal Tax	674980.00		
To Student Aid Initiate Co.Cu. Activity	1803741.00		
To NABL Lab Exps (Chemical)	46320.00		
To NABL Lab Exps (Civil)	62706.00		
To Seminar/expert Lec/sttp Exps	131876.00		
To Student Ind. Tour Exps	192790.00		
To Student Sports Exps	120727.00		
To Training & Placement Exps	86560.00		
To A.I.C.T.E. Processing Fees	140000.00		
To Ele. Energy Audit Exps.	4071.00		
To Water Exps.	206232.00		
To Surplus Trf to Trust A/c	5451814.79		
Total	200100650.00	Total	200100650.00

Place: Rajkot
Date: 12.01.2021

J.V. Dholakia
PRINCIPAL
V.V.P. ENGG. COLLEGE
Rajkot



As per our report of even date
For, P.R.Dholakia & Co.
Chartered Accountants
F.R. No: 102521W

P.R. Dholakia
Partner
M No.:016058
203, Solitaire, R.K. Nagar main road
UDIN:21016058AAAABG7054

203, Solitaire, Near Municipal Commissioner Bungalow, Ramkrishna Nagar Main Road, Rajkot - 360 002
Phone : (O) 0281 - 246 7770, 246 7771 e-mail : prdholakianco@gmail.com

R.N.S.B. PRERIT VYAVSAI VIDYA PRATISTHAN - RAJKOT
Sanchalit
V.V.P. ENGINEERING COLLEGE - RAJKOT

BALANCE SHEET AS ON 31.03.2020

LIABILITIES	AMOUNT	ASSETS	AMOUNT
Other Funds :		Vyavsai Vidya Pratisthan :	
Staff Recreation Fund 535749.00		As per last year 86175852.19	
Add: Addition (C.Y.) 336796.00		Less : Surplus from I/E 5451814.79	
Less: Deduction (C.Y.) 102000.00	770545.00	80724037.40	
		Add : Transfer from Trust 184027774.18	
Deposit :		264751811.58	
As per Schedule 'A'	15563850.00	Less : Transfer to Trust 194111932.00	70639879.58
Advance Tutition Fee :		Fixed Assets :	
Tution Fee 47747850.00		As per Schedule 'D'	23746414.95
Provisions :		Investments :	
Salary Arrears 2533756.00		Receivables :	
Gratuity Provision 34077809.00		Loan, Advances & Deposit :	
Add: Addition (C.Y.) 5000000.00	39077809.00	As per Schedule 'C'	20708498.00
Sundry Creditors and Other payable :		V.V.P. Project Co.ordinator 472557.00	
As per Schedule 'B'	14193353.75	I.P. School of Arch. 200000.00	
		Cash & Bank Balances :	
		R.N.S.B. A/c no. 10348 1903944.03	
		R.N.S.B. Sav. 39140 924499.00	
		R.N.S.B. Cur. A/c. A'bad No.1547 6822.00	
		R.N.S.B.C/A. 2260 371423.00	
		R.N.S.B.C/A. 839 439812.79	
		S.B.I. S/b A/c. No. 1401 399273.40	
		R.N.S.B Cur. Kalawad Rd No. 662 67294.00	
		ICICI Bank S/b A/c No.17182 6561.00	
		Cash in hand 185.00	
Total	119887163.75	Total	119887163.75

Place: Rajkot
Date: 12.01.2021

J.V. Deshpkar
PRINCIPAL
V.V.P. ENGG. COLLEGE
RAJKOT



As per our report of even date
For, P.R.Dholakia & Co.
Chartered Accountants
F.R. No: 102521W

P.R. Dholakia
Partner
M No.:016058
203, Solitaire, R.K. Nagar main road
UDIN:21016058AAAABG7054

V.V.P. ENGINEERING COLLEGE - RAJKOT

Schedule 'A' to Balance Sheet as on 31.03.2020

DEPOSIT :-

Particulars	Opening Balance	Addition during the year	Refund during the year	Closing Balance
CMD 500/2000	126700.00	0.00	0.00	126700.00
CMD 3000	502800.00	0.00	0.00	502800.00
Library	590150.00	0.00	286000.00	304150.00
Library Deposit 2000	2206000.00	802000.00	60000.00	2948000.00
Work Shop Tool	11200.00	0.00	0.00	11200.00
CMD 5000	14876000.00	5000.00	3225000.00	11656000.00
Dholakia Xerox Deposit	5000.00	0.00	0.00	5000.00
Ultra Xerox Deposit	5000.00	0.00	0.00	5000.00
Jignesh Moridhara	5000.00	0.00	0.00	5000.00
Total	18327850.00	807000.00	3571000.00	15563850.00

Schedule 'B' to Balance Sheet as on 31.03.2020

Sundry Creditors And Other Payables :-

Particulars	AMOUNT
Sundry Creditors :-	
Aarti Industries Ltd.	32752.00
Care Biomedical Waste Incinerator	6000.00
GSECL	3528.00
Krimasil Pvt Ltd	4500.00
Reliance Industries Ltd	10365.00
Sanghi Industries Ltd	8273.00
Welsun Steel Ltd.	24202.00
GMDC Ltd Cakrimota Power Plant	4154.00
Guj. State Elec. Co. Ltd	3528.00
Gept of the Veraval Ind. Asso.	7000.00
Nirma Ltd.	10970.00
Ultratech Cement Ltd.	29304.00
Vedant Ltd.	30000.00
Other Payable :-	
GTU Exam Reimbursement	493178.00
G.T.U. Exam/Enrollment Fee	345624.00
G.T.U. Tablet Fee	1000.00
Insurance Claim	57214.00
Laptop Insurance Prem. (Student)	1103.00
Environment audit payment Provision	7940540.75
Result based Scholarship Provision 15-16	905000.00
Result based Scholarship Provision 16-17	623360.00
Scholarship/Bank Loan	9400.00
Advance Fee	36500.00
Material Testing payment provision	760464.00
Admission Scholarship 15/16	78000.00
Admission Scholarship 16/17	38000.00
Admission Scholarship 17/18	38900.00
Admission Scholarship 18/19	19700.00
Admission Scholarship 18/19	2095800.00
Entrepreneurship Dev. Inst. of Ind.	20400.00
Guj. Tech. Uni.(N.S.S.)	15007.00
Jess Ahmedabad (Sachin Saygal)	44680.00
GTU Sports	30.00
ICCR Student Hostel Fees	444000.00
CGST	6486.50
SGST	32075.50
TDS others	12315.00
TOTAL	14193353.75

Place : RAJKOT
Date: 12.01.2021

J. Voerhkar
PRINCIPAL
V.V.P. ENGG. COLLEGE
RAJKOT



Chartered Accountants

V.V.P. ENGINEERING COLLEGE - RAJKOT

Schedule 'D' to Balance Sheet as on 31.03.2020

Loan, Advances & Deposit :-

Particulars	AMOUNT
G.T.U. Deposit (M.E. Closer)	680000.00
Gas Deposit	27450.00
G.E.B. Deposit (New Const.)	679224.00
Reliance Gas Deposit	2400.00
Telephone Deposit	23645.00
Tata Teleser. Ltd. Deposit	1499.00
Chandrakant S.Raichura	144000.00
Ediz Ceramics Pvt. Ltd.	145800.00
Iste & GTU Fdp. C.E. Dept.	99552.00
Rahulbhai Jadav	3000.00
Royal Developers	992000.00
Shri Gel Furniture	141840.00
Mayurbhai Devmurti	29856.00
Bhailal Dhirajlal Kotak	64000.00
GMDC Ltd.	7476.00
MPSEZ Utilities Pvt Ltd	35253.00
Rhytham Infocom Pvt. Ltd.	30.00
Saurashtra Env. Projects Pvt. Ltd.	7500.00
Fees Receivable 19-20	17533500.00
SSIP Grant (D.G.Kamdar)	25318.00
G.E.D.A	9617.00
IGST	55538.00
	20708498.00

Place : RAJKOT
Date: 12.01.2021

J.V. Deshpkar
PRINCIPAL
V.V.P. ENGG. COLLEGE
RAJKOT



R.N.S.B. PRERIT VYAVSAI VIDYA PRATISTHAN - RAJKOT
V.V.P. ENGINEERING COLLEGE - RAJKOT

Annexure "C" Assets & Depreciation:

Particulars	Fixed Assets Opening Balance	Addition	Deduction	Total	Depreciation Upto 31.03.2019	Depreciation 2019-20	Total Depreciation	Fixed Assets Closing Balance
Furniture	22452042.00	8420244.00	0.00	30872286.00	16287365.00	2789960.00	19077325.00	11794961.00
Computer	37451925.97	198000.00	0.00	37649925.97	33648044.47	2248503.00	35896547.47	1753378.50
Dead Stock	53052214.50	2752201.00	0.00	55804415.50	44672445.05	2372281.00	47044726.05	8759689.45
Laboratory Equipment	5968915.00	0.00	0.00	5968915.00	4721942.00	340083.00	5062025.00	906890.00
Library Books	15314793.00	448095.00	0.00	15762888.00	14634347.00	654934.00	15289281.00	473607.00
Laptop	0.00	152500.00	0.00	152500.00	0.00	94611.00	94611.00	57889.00
Total	134239890.47	11971040.00	0.00	146210930.47	113964143.52	8500372.00	122464515.52	23746414.95

Place: RAJKOT
Date: 12.01.2021

J. V. Doshi
PRINCIPAL
V.V.P. ENGINEERING COLLEGE
RAJKOT



V.V.P. ENGINEERING COLLEGE, RAJKOT

R.N.S.B. PRERIT VYAVSAI VIDYA PRATISTHAN - RAJKOT

Sanchalit

V.V.P. ENGINEERING COLLEGE - RAJKOT

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2021

EXPENDITURE	AMOUNT	INCOME	AMOUNT
Administrative Exps.:		Income:	
To Advertisement Exps.	165562.00	By Tution Fees	186359905.00
To Apprentice Exp.	30097.00		
To Audit Fee/Consuling Exps.	25300.00	By Misc. Income (College)	253730.00
To Bank commission & charges	2884.64	By Misc. Income (Student)	280420.00
To Contingency Exps.	80931.00	By Consultancy Income	8243547.56
To Consultancy Exps.	8240032.02		
To Conveyance Exp.	3057.00		
To Depreciation Exps.	6888463.40		
To Electricity Charges	674211.00		
To Insurance Premium Exps.	105159.00		
To Licence Fee	350000.00		
To Maintenance & Repairing	4887966.36		
To Misc. Exps.	12316.00		
To Misc. Exps. (Staff)	11640.00		
To Membership Fees	17700.00		
To News Paper Magazine Exp.	187240.00		
To NBA Exp.	126710.00		
To Office Exps.	1896.00		
To Postage, Tele., Fax Exps.	23697.00		
To Printing & Stationery Exps.	173753.00		
To Processing Fees FRC	15000.00		
To Sansodhan Exp. (Student)	31165.00		
To Security Exps.	4685470.00		
To Student Aid Scholarship Exps.	2754200.00		
To Salary Exps.	159582184.00		
To Telephone Exps.	68189.00		
To Travelling Exps.	63781.00		
To GTU Affiliation Fee Exps.	659100.00		
To GTU Enrolled Fee Exps.	34375.00		
To GTU Processing Fee Exps.	25000.00		
To Municipal Tax	674980.00		
To Student Aid Initiate Co.Cu. Activity	11979.00		
To NABL Lab Exps (Civil)	77455.00		
To Seminar/expert Lec/sttp Exps	304224.00		
To Student Ind. Tour Exps	39250.00		
To Student Sports Exps	28610.00		
To Training & Placement Exps	30836.00		
To Water Exps.	16130.00		
To Surplus Trf to Trust A/c	4027059.14		
Total	195137602.56	Total	195137602.56

As per our report of even date
For, P.R.Dholakia & Co.
Chartered Accountants
F.R. No: 102521W



P.R. Dholakia
Partner
M No.:016058

203, Solitaire, R.K. Nagar main road
UDIN:22016058AAAAA4401

J. V. Deshpkar

PRINCIPAL
V.V.P. ENGG. COLLEGE
RAJKOT

Place: Rajkot
Date: 05.01.2022

203, Solitaire, Near Municipal Commissioner Bungalow, Ramkrishna Nagar Main Road, Rajkot - 360 002
Phone : (O) 0281 - 246 7770, 246 7771 e-mail : prdholakianco@gmail.com

R.N.S.B. PRERIT VYAVSAI VIDYA PRATISTHAN - RAJKOT

Sanchalit
V.V.P. ENGINEERING COLLEGE - RAJKOT

BALANCE SHEET AS ON 31.03.2021

LIABILITIES	AMOUNT	ASSETS	AMOUNT
Other Funds :		Vyavsa Vidya Pratisthan :	
Staff Recreation Fund 770545.00		As per last year 70639879.58	
Add: Addition (C.Y.) 197485.00		Less : Surplus from I/E 4027059.14	
Less: Deduction (C.Y.) 396054.00	571976.00	66612820.44	
Contingency Fund C.Y. (Trf. From Adml. & Result scho.) 2691744.00	2691744.00	Add : Transfer from Trust 113020245.00	
		179633065.44	
		Less : Transfer to Trust 121304029.00	58329036.44
Deposit :		Fixed Assets :	
As per Schedule 'A' 12065250.00	12065250.00	As per Schedule 'D' 17221351.55	
Advance Tution Fee :		Investments :	
Tution Fee 44816719.00	44816719.00		
Provisions :		Receivables :	
Salary Arrears 2533756.00			
Less: Payment C.Y. 2533756.00	0.00	Loan, Advances & Deposit :	
Gratuity Provision 39077809.00		As per Schedule 'C' 33466830.00	
Add: Addition (C.Y.) 7533756.00	46611565.00	V.V.P. Project Co.ordinator 472557.00	
Sundry Creditors and Other payable :		I.P. School of Arch. 66410.00	
As per Schedule 'B' 23682969.77	23682969.77	Cash & Bank Balances :	
		R.N.S.B. Current A/c no. 10003800010348 1255294.59	
		R.N.S.B. Saving A/C No. 10003100039140 2771326.44	
		R.N.S.B. C/A A/bad No.48003800001547 6822.00	
		R.N.S.B. C/A. 15003800002260 201291.00	
		R.N.S.B. C/A. 21003800000839 999154.79	
		R.N.S.B. SSIP S/A No. 10003100072549 38608.00	
		S.B.I. S/b A/c. No. 35659171401 10092850.96	
		R.N.S.B C/A Kalawad Rd No.20003800000662 5497077.00	
		ICICI Bank S/b A/c No.15301017182 6864.00	
		Cash in hand 14750.00	
Total	130440223.77	Total	130440223.77

As per our report of even date
For, P.R.Dholakia & Co.
Chartered Accountants
F.R. No: 102521W



P.R. Dholakia
Partner
M No.:016058

203, Solitaire, R.K. Nagar main road
UDIN:22016058AAAAA4401

J. V. Deshpande

PRINCIPAL
V.V.P. ENGG. COLLEGE
RAJKOT

Place: Rajkot
Date: 05.01.2022

V.V.P. ENGINEERING COLLEGE - RAJKOT

Schedule 'A' to Balance Sheet as on 31.03.2021

DEPOSIT :-

Particulars	Opening Balance	Addition during the year	Refund during the year	Closing Balance
CMD 500/2000	126700.00	0.00	0.00	126700.00
CMD 3000	502800.00	0.00	0.00	502800.00
Library	304150.00	0.00	17600.00	286550.00
Library Deposit 2000	2948000.00	508000.00	779000.00	2677000.00
Work Shop Tool	11200.00	0.00	0.00	11200.00
CMD 5000	11656000.00	0.00	3210000.00	8446000.00
Dholakia Xerox Deposit	5000.00	0.00	0.00	5000.00
Ultra Xerox Deposit	5000.00	0.00	0.00	5000.00
Jignesh Moridhara	5000.00	0.00	0.00	5000.00
Total	15563850.00	508000.00	4006600.00	12065250.00

Schedule 'B' to Balance Sheet as on 31.03.2021

Sundry Creditors And Other Payables :-

Particulars	AMOUNT
Sundry Creditors :-	
Aarti Industries Ltd.	6000.00
Care Biomedical Waste Incinerator	15000.00
IEI Reg. Fee Mech	6000.00
MHRD Fee	8967000.00
District Treasurer	4851.00
GSPC Pipavav Power Co. Ltd.	4500.00
Krimasil Pvt Ltd	2372.00
Haq Steel and Metalinks Ltd.	8273.00
Sanghi Industries Ltd	24202.00
Welspun Steel Ltd.	4154.00
GMDC Ltd Cakrimota Power Plant	11908.00
Ultratech Cement Ltd.	23552.00
Welspun Captive Power Generation Ltd.	
Other Payable :-	
GTU Exam Reimbursement	873216.00
Insurance Claim	57214.00
Laptop Insurance Prem. (Student)	11303.00
Laptop Scholarship Provision 20-21	154350.00
Environment audit payment Provision	10671063.31
Energy Audit Provision	5915.00
Scholarship/Bank Loan	9400.00
Advance Fee	36500.00
Material Testing payment provision	4549.00
Admission Scholarship 19/20	650800.00
Admission Scholarship 20/21	1666700.00
Entrepreneurship Dev. Inst. of Ind.	20400.00
Guj. Tech. Uni.(N.S.S.)	12832.00
Jess Ahmedabad (Sachin Saygal)	44680.00
ICCR Student Hostel Fees	36000.00
CGST	157793.23
SGST	183382.23
TDS others	9060.00
TOTAL	23682969.77

Place : RAJKOT
Date: 05.01.2022

J.V. Deshker
PRINCIPAL
V.V.P. ENGG. COLLEGE
RAJKOT



Chartered Accountants

V.V.P. ENGINEERING COLLEGE - RAJKOT

Schedule 'C' to Balance Sheet as on 31.03.2021

Loan, Advances & Deposit :-

Particulars	AMOUNT
Adani Infrastructure Man. Ser. Ltd.	167365.00
AICTE/GTU Fdp Elect.	63706.00
Ambuja Cement Ltd.	392846.00
Gujco Scholarship mech.	10000.00
Gujco Scholarship Ce Dept	6000.00
Gujco Scholarship Elect	1000.00
G.T.U. Deposit (M.E. Closer)	680000.00
G.T.U. Deposit (B.T. Closer)	215000.00
Gas Deposit	27450.00
G.E.B. Deposit (New Const.)	901190.00
GSPC Pipavav Power Coin Ltd.	1948.00
Reliance Gas Deposit	2400.00
Ediz Ceramics Pvt. Ltd.	145800.00
Rahulbhai Jadav	3000.00
Reliance Industries Ltd	15546.00
Shri Gel Furniture	141840.00
Mechmatics Engineering Pvt. Ltd.	96400.00
GMDC Ltd.	4154.00
MPSEZ Utilities Pvt Ltd	23780.00
Saurashtra Env. Projects Pvt. Ltd.	7500.00
Fees Receivable 20-21	29989400.00
SSIP Grant (D.G.Kamdar)	87926.00
IGST	20225.00
GHCL Ltd.	462354.00
	33466830.00

Place : RAJKOT
Date: 05.01.2022

J.V. Deshker

PRINCIPAL
V.V.P. ENGG. COLLEGE
RAJKOT



Chartered Accountants

R.N.S.B. PRERIT VYAVSAI VIDYA PRATISTHAN - RAJKOT
V.V.P. ENGINEERING COLLEGE - RAJKOT

Annexure "D" Assets & Depreciation:

Particulars	Fixed Assets Opening Balance	Addition	Deduction	Total	Depreciation Upto 31.03.2020	Depreciation 2020-21	Total Depreciation	Fixed Assets Closing Balance
Furniture	30872286.00	163530.00	0.00	31035816.00	19077325.00	2591384.00	21668709.00	9367107.00
Computer	37649925.97	0.00	0.00	37649925.97	35896547.47	1638951.00	37535498.47	114427.50
Dead Stock	55804415.50	80477.00	0.00	55884892.50	47044726.05	1943092.40	48987818.45	6897074.05
Laboratory Equipment	5968915.00	0.00	0.00	5968915.00	5062025.00	340083.00	5402108.00	566807.00
Library Books	15762888.00	177282.00	0.00	15940170.00	15289281.00	374953.00	15664234.00	275936.00
Laptop	152500.00	0.00	57889.00	94611.00	94611.00	0.00	94611.00	0.00
Total	146210930.47	421289.00	57889.00	146574330.47	122464515.52	6888463.40	129352978.92	17221351.55

Place: RAJKOT
Date: 05.01.2022

J V Oshken

PRINCIPAL
Sign
V.V.P. ENGINEERING COLLEGE
RAJKOT



Chartered Accountants

V.V.P. ENGG. COLLEGE
 912
 No. 5112
 DATE 02/07/2021
 SIGN.: [Signature]
 PASS: [Signature]
 FILE: [Signature]

All India Council for Technical Education
 (A Statutory body under Ministry of Education, Govt. of India)
 Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



APPROVAL PROCESS 2021-22

Extension of Approval (EoA)

F.No. Central/1-9319024703/2021/EOA

Date: 01-Jul-2021

To,

The Principal Secretary Deptt.
 Of Higher & Tech. Education,
 Govt. of Gujarat, New Sachivalaya B. No. 5,
 7th Floor Gandhi Nagar-382010

Sub: Extension of Approval for the Academic Year 2021-22

Ref: Application of the Institution for Extension of Approval for the Academic Year 2021-22

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Education) (1st Amendment) Regulations, 2021 notified on 24th February 2021 and other notifications as applicable and published from time to time, I am directed to convey the approval to

Permanent Id	1-19023177	Application Id	1-9319024703
Name of the Institution /University	V. V. P. ENGINEERING COLLEGE	Name of the Society/Trust	VYAVASAYI VIDYA PRASTHAN
Institution /University Address	VIRDA-VAJADI, KALAWAD ROAD RAJKOT, RAJKOT, RAJKOT, Gujarat, 360005	Society/Trust Address	305, RAJKAN BUILDING , 3RD FLOOR 15, PANCHNATH PLOT, RAJKOT, RAJKOT, RAJKOT, Gujarat ,360001
Institution /University Type	Private-Self Financing	Region	Central

To conduct following Programs / Courses with the Intake indicated below for the Academic Year 2021-22

Program	Level	Course	Affiliating Body (University /Body)	Intake Approved for 2020-21	Intake Approved for 2021-22	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	CHEMICAL ENGINEERING	Gujarat Technological University, Ahmedabad	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	INFORMATION TECHNOLOGY	Gujarat Technological University, Ahmedabad	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	COMPUTER ENGINEERING	Gujarat Technological University, Ahmedabad	60	60	NA	NA

Application No:1-9319024703

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Page 1 of 4

Note: This is a Computer generated Report. No signature is required.
 Printed By : ae3018807

Letter Printed On:16 July 2021

ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	Gujarat Technological University, Ahmedabad	60	30	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	MECHANICAL ENGINEERING	Gujarat Technological University, Ahmedabad	120	120	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	CIVIL ENGINEERING	Gujarat Technological University, Ahmedabad	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ELECTRICAL ENGINEERING	Gujarat Technological University, Ahmedabad	60	60	NA	NA

Course(s) Applied for Closure by the Institution for the Academic Year 2021-22

Program	Level	Course	Affiliating Body (Univ/Body)	Course Closure Status
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	BIOTECHNOLOGY	Gujarat Technological University, Ahmedabad	Approved

It is mandatory to comply with all the essential requirements as given in APH 2021-22 (Appendix 6)

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.
2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time now amalgamated as total intake shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2021-22 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook.
3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Complaint Committee (ICC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as per the provisions made in Approval Process Handbook and AICTE Regulation notified from time to time.
4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Prof. Rajive Kumar
Member Secretary, AICTE

Copy ** to:

1. **The Director of Technical Education**, Gujarat**
2. **The Registrar**,
Gujarat Technological University, Ahmedabad**
3. **The Principal / Director,
V. V. P. ENGINEERING COLLEGE
Virda-Vajadi,
Kalawad Road
Rajkot,
Rajkot,Rajkot,
Gujarat,360005**
4. **The Secretary / Chairman,
305, RAJKAN BUILDING ,
3RD FLOOR
15, PANCHNATH PLOT,
RAJKOT
RAJKOT,RAJKOT
Gujarat,360001**
5. **The Regional Officer,
All India Council for Technical Education
Airport Bypass Road, Gandhi Nagar,
Bhopal – 462 036, Madhya Pradesh**
6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/> .

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

This is a computer generated Statement. No signature Required

All India Council for Technical Education
(A Statutory body under Ministry of Education, Govt. of India)
 Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



APPROVAL PROCESS 2022-23

Extension of Approval (EoA)

F.No. Central/1-10975957041/2022/EOA

Date: 03-Jul-2022

To,

The Principal Secretary Deptt.
 Of Higher & Tech. Education,
 Govt. of Gujarat, New Sachivalaya B. No. 5,
 7th Floor Gandhi Nagar-382010

Sub: Extension of Approval for the Academic Year 2022-23

Ref. Application of the Institution for Extension of Approval for the Academic Year 2022-23

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, 2022 Notified on 4th February, 2022 and amended on 24th February 2022 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-19023177	Application Id	1-10975957041
Name of the Institution	V. V. P. ENGINEERING COLLEGE	Name of the Society/Trust	VYAVASAYI VIDYA PRASTHAN
Institution Address	VIRDA-VAJADI, KALAWAD ROAD RAJKOT, RAJKOT, RAJKOT, Gujarat, 360005	Society/Trust Address	305, RAJKAN BUILDING , 3RD FLOOR 15, PANCHNATH PLOT, RAJKOT, RAJKOT, RAJKOT, Gujarat , 360001
Institution Type	Private-Self Financing	Region	Central
Year of Establishment	1996		

To conduct following Courses with the Intake indicated below for the Academic Year 2022-23

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2021-22	Intake Approved for 2022-23	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	BIOTECHNOLOGY	Gujarat Technological University, Ahmedabad	0	30##	NA	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	CHEMICAL ENGINEERING	Gujarat Technological University, Ahmedabad	60	60	NA	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	Gujarat Technological University, Ahmedabad	60	60	NA	NA

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2021-22	Intake Approved for 2022-23	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER ENGINEERING	Gujarat Technological University, Ahmedabad	60	180	NA	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRICAL ENGINEERING	Gujarat Technological University, Ahmedabad	60	60	NA	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRONICS & COMMUNICATION ENGG	Gujarat Technological University, Ahmedabad	30	30	NA	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	INFORMATION TECHNOLOGY	Gujarat Technological University, Ahmedabad	60	120	NA	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	Gujarat Technological University, Ahmedabad	120	120	NA	NA

Approved New Course(s)

It is mandatory to comply with all the essential requirements as given in APH 2022-23 (Appendix 6)

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC (NCL)/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.
2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time are now amalgamated as total intake and shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2022-23 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook. All such Institutions/ Universities shall have to create the necessary Faculty, Infrastructure and other facilities WITHIN 2 YEARS to fulfil the norms based on the Affidavit submitted to AICTE beginning with the Academic Year 2022-23.
3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Complaint Committee (ICC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as Approval Process Handbook and provisions made in AICTE Regulation notified from time to time.
4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Pharmacy Institute: In compliance with the order dated 05.03.2020 passed by the Hon'ble Supreme Court of India in Transferred Petitions (CIVIL) No 87-101 of 2014, for the existing institutions offering courses in Pharmacy Programme, approval of Pharmacy Council of India (PCI) is mandatory and AICTE approval is NOT required. The requirements for running the Programme (Diploma / UG / PG) such as Land & Build-up Area, Student-faculty ratio, Intake etc. will be as per the respective regulatory body (PCI). In case of any inconsistency in the course name and intake for EoA issued by AICTE and the approval by PCI, the approval of PCI shall prevail.

Architecture Institute: In compliance with the order dated 08.11.2019 passed by the Hon'ble Supreme Court of India in CA No.364/ 2005, for the existing Institutions offering Courses in Architecture Programme, approval by the Council of Architecture (CoA) is mandatory and AICTE approval is NOT required. The requirements for running the Programme (Diploma / UG / PG) such as Land & Build-up Area, Student-faculty ratio, Intake etc. will be as per respective regulatory body (CoA). In case of any inconsistency in the course name and intake for EoA issued by AICTE and the approval by CoA, the approval of CoA shall prevail.

Deemed to be University: Institutions Deemed to be Universities (Running Technical Education Programmes), it is mandatory to have AICTE approval from the Academic Year 2018-19 in compliance of the Hon'ble Supreme Court Order dated 03-11-2017 passed in CA No.17869- 17870 /2017.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy to:

1. **The Director Of Technical Education****, Gujarat
2. **The Registrar****,
Gujarat Technological University, Ahmedabad
3. **The Principal / Director**,
V. V. P. ENGINEERING COLLEGE
Virda-Vajadi,
Kalawad Road
Rajkot,
Rajkot,Rajkot,
Gujarat,360005
4. **The Secretary / Chairman**,
305, RAJKAN BUILDING ,
3RD FLOOR
15, PANCHNATH PLOT,
RAJKOT
RAJKOT,RAJKOT

Gujarat,360001

5. **The Regional Officer,**
All India Council for Technical Education
Airport Bypass Road, Gandhi Nagar,
Bhopal – 462 036, Madhya Pradesh

6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>

**** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.**

This is a computer generated Statement. No signature Required



APPROVAL PROCESS 2023-24

Extension of Approval (EoA)

F.No. Central/1-38691185694/2023/EOA

Date: 15-May-2023

To,

The Principal Secretary Deptt.
Of Higher & Tech. Education,
Govt. of Gujarat, New Sachivalaya B. No. 5,
7th Floor Gandhi Nagar-382010

Sub: Extension of Approval for the Academic Year 2023-24

Ref. Online application of the Institution submitted for Extension of Approval for the Academic Year 2023-24.

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Education) Regulations, 2020 notified on 4th February 2020 and amended on 24th February 2021 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to:

Permanent Id	1-10023177	Application Id	1-38691185694
Name of the Institution	V. V. P. ENGINEERING COLLEGE	Name of the Society/Trust	VYAVASAYI VIDYA PRASTHAN
Institution Address	VIRDA-VAJADI, KALAWAD ROAD RAJKOT, RAJKOT, RAJKOT, Gujarat, 360005	Society/Trust Address	305, RAJKAN BUILDING , 3RD FLOOR 15, PANCHNATH PLOT, RAJKOT, RAJKOT, RAJKOT, Gujarat ,360001
Institution Type	Private-Self Financing	Region	Central
Year of Establishment	1996		

To conduct following Courses with the Intake indicated below for the Academic Year 2023-24

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2022-23	Intake Approved for 2023-24	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	BIOTECHNOLOGY	Gujarat Technological University, Ahmedabad	30	30	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	CHEMICAL ENGINEERING	Gujarat Technological University, Ahmedabad	60	60	No	No

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2022-23	Intake Approved for 2023-24	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	Gujarat Technological University, Ahmedabad	60	60	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER ENGINEERING	Gujarat Technological University, Ahmedabad	180	180	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRICAL ENGINEERING	Gujarat Technological University, Ahmedabad	60	60	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRONICS & COMMUNICATION ENGG	Gujarat Technological University, Ahmedabad	30	30	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	INFORMATION TECHNOLOGY	Gujarat Technological University, Ahmedabad	120	120	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	Gujarat Technological University, Ahmedabad	120	120	No	No

It is mandatory to comply with all the essential requirements as given in APH 2023-24 (Appendix 6)

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC(NCL) / General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.
2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time are now amalgamated as total intake and shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2023-24 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook.
3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Committee (IC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as per the provisions made in Approval Process Handbook and AICTE Regulation notified from time to time.
4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.
5. As per the AICTE Notification dated 29.01.2014 and amended thereto, it shall be mandatory for each Technical Education Institution, University Department and Institution Deemed to be University imparting Technical Education to get accreditation (NBA) for at least 60% of the eligible courses in the next ONE (1) Years' time, otherwise EoA for the subsequent Academic Year (A.Y. 2024-25) shall not be issued by the Council.
6. Deemed to be University: Institutions Deemed to be Universities (Running Technical Education Programmes), it is mandatory to have AICTE approval from the Academic Year 2018-19 in compliance of the Hon'ble Supreme Court Order dated 03-11-2017 passed in CA No.17869- 17870 /2017.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy to:

1. **The Director Of Technical Education****, Gujarat
2. **The Registrar****,
Gujarat Technological University, Ahmedabad
3. **The Principal / Director**,
V. V. P. ENGINEERING COLLEGE
Virda-Vajadi,
Kalawad Road
Rajkot,
Rajkot,Rajkot,
Gujarat,360005
4. **The Secretary / Chairman**,
305, RAJKAN BUILDING ,
3RD FLOOR
15, PANCHNATH PLOT,
RAJKOT
RAJKOT,RAJKOT
Gujarat,360001
5. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>

** Individual Approval letter copy will not be communicated through Post/Email. However, a consolidated list of Approved Institutions(bulk) may be downloaded from the respective login id's.

This is a computer generated Statement. No signature Required



GUJARAT TECHNOLOGICAL UNIVERSITY

(Established Under Gujarat Act No.: 20 of 2007)

ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી

(ગુજરાત અધિનિયમ ક્રમાંક : ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

Affiliation Process 2021-22

Affiliation Letter

Date: 02/09/2021

GTU/Inst_Affi/047/2021-22

To,

The Principal,

V.V.P. ENGINEERING COLLEGE

Vajadi-Virda, Kalawad Road, Rajkot – 360005

Sub. : Temporary affiliation for the academic year 2021-22.

Read: Gujarat Act No. : 20/2007 Gujarat Technological University.

Ref. : 1) Application for affiliation for the academic year 2021-22.

2) EOA letter for the year 2021-22 from AICTE.

3) AIC report of GTU for the year 2020-21/LIC report of GTU for 2021-22.

Dear Sir,

With reference to the above-mentioned subject and referred application, in terms of the provision under the section-8 and 26 of GTU Act 20/2007 issued by the Government of Gujarat, I am directed to convey the temporary affiliation for the year 2021-22 as per following details:

Name of Institute	V.V.P. ENGINEERING COLLEGE	Institute Address	Vajadi-Virda, Kalawad Road, Rajkot – 360005
Name of Trust/Society/Body	Vyavasayi Vidya Pratishthan	Trust/Society/Body Address	Vajdi-Virda, Kalawad Road, Rajkot – 360005
Institute Type	SFI	GTU Institute Code	047

Change of Name	No	Change of Site	No	PIO Seats	No
Change of Name Approved	N.A.	Change of Site Approved	N.A.	NRI Seats	N.A.

To conduct the following courses with the intake mentioned against the name of course indicated below for the academic year 2021-22:

Level	Branch	GTU Intake 2021-22
UG	MECHANICAL ENGINEERING	120
UG	ELECTRICAL ENGINEERING	60
UG	CHEMICAL ENGINEERING	60
UG	INFORMATION TECHNOLOGY	60
UG	COMPUTER ENGINEERING	60
UG	ELECTRONICS & COMMUNICATION ENGG	30
UG	CIVIL ENGINEERING	60

To above mentioned approval is subject to the condition that institute shall follow and adhere to the regulations, guidelines and direction issued by AICTE and GTU from time to time and the undertaking / affidavit given by the insitute along with the application submitted by the institution.

The following compliances are required to be done by your Institute/College Immediately.

→ Provide Sufficient International Journals, E-Journals, Library books titles & Volumes are purchase as Prescribe by

AICTE Norms.

→ Provide facility to develop skill knowledge as per requirement of curricula.

→ Administrative staff is to be appointed as per norms.

→ Provide sufficient E - assessment facility for as per GTU Norms.

→ The Institute shall take appropriate measures for prevention of ragging in any form, in the light of UGC regulation "Prevention and Prohibition of Ragging in Technical Institutions, Universities including Deemed to Universities imparting technical education" Regulation 2009.

→ As per the instruction of UGC/AICTE/GOG/Admission Committee Gujarat, any institute cannot keep any original document of any students.

→ University may also conduct inspections with or without notifying the dates to verify specific complaints or non-representation, violation of norms and standards, mal-practices etc.

→ Principal must be endorsed by GTU.

→ Required faculty ratio based on program is as follows:

Level	Ratio
UG	1:20

→ Laboratory, workshops and other facilities must be available for all the UG & PG courses.

The above mentioned criteria will be considered from upcoming year and all institutes are instructed to seek prior permission from GTU before introduction of new programme, any change in existing programme and extension of affiliation in existing courses before applying to AICTE/COA/PCI/or any apex body. Those institutions who have not completed the deficiencies of the previous year LIC report, university authority will take action against the institute and shall put the institute under "No Admission Zone" for the entire set of courses in the next academic year even though approval is given by apex body.

Please note that University can take appropriate action according to the provision of the Gujarat act 20/2007 and issue appropriate affiliation letter Notification in case of non compliance of the deficiency.

♦ **This order is issued with the approval of Hon'ble Vice-Chancellor.**



Dr.K.N.Kher

Registrar

Copy Submitted with respect to:-

The Principal Secretary (Technical Education), Education Department, Block no-5,8th Floor, New Sachivalaya,Gandhinagar-382010.

The Director, Commissionerate of Technical Education, Wing-B, 6th floor, Karmayogi Bhavan,Gandhinagar.

The Member Secretary, ACPC/ACPDC,Ahmedabad.

Office Copy.

Note :

- 1) GTU reserves the right to conduct inspection at any time during the year and take necessary action based on AIC/LIC report/data/complain etc.
- 2) AIC is for Existing Institutes and LIC is for New Institutes.
- 3) Individual Approval letter copy will not be communicated through Post/Email.



GUJARAT TECHNOLOGICAL UNIVERSITY

(Established Under Gujarat Act No.: 20 of 2007)

ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી

(ગુજરાત અધિનિયમ ક્રમાંક : ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

Affiliation Process 2022-23

Affiliation Letter

Date: 28/07/2022

GTU/Inst_Aff/047/2022-23

To,

The Principal,

VYAVASAYI VIDYA PRATISHTHAN'S SANCH. COLLEGE OF ENGINEERING, RAJKOT

Vajadi-Virda, Kalawad Road, Rajkot - 360005

Sub. : Temporary Affiliation for the Academic Year 2022-23.

Read: Gujarat Act No. : 20/2007 Gujarat Technological University.

Ref. : 1) Application for affiliation for the academic year 2022-23.

2) EOA letter for the year 2022-23 from AICTE.

3) AIC report of GTU for the year 2021-22/LIC report of GTU for 2022-23.

Dear Sir,

With reference to the above-mentioned subject and referred application, in terms of the provision under the section-8 and 26 of GTU Act 20/2007 issued by the Government of Gujarat, I am directed to convey the temporary affiliation for the year 2022-23 as per following details:

Name of Institute	VYAVASAYI VIDYA PRATISHTHAN'S SANCH. COLLEGE OF ENGINEERING, RAJKOT	Institute Address	Vajadi-Virda, Kalawad Road, Rajkot - 360005
Name of Trust/Society/Body	Vyavasayi Vidya Pratishthan	Trust/Society/Body Address	Vajadi-Virda, Kalawad Road, Rajkot - 360005
Institute Type	SFI	GTU Institute Code	047
Year of Establishment	2008		

Change of Name	No	Change of Site	No	PIO Seats	No
Change of Name Approved	N.A.	Change of Site Approved	N.A.	NRI Seats	N.A.

To conduct the following courses with the intake mentioned against the name of course indicated below for the academic year 2022-23:

Level	Branch	Specialization	Approved Intake for 2022-23
UG	Mechanical Engineering		120
UG	Electrical Engineering		60
UG	Chemical Engineering		60
UG	Information Technology		120
UG	Computer Engineering		180
UG	Electronics & Communication Engg		30
UG	Civil Engineering		60
UG	04 - BIO-TECHNOLOGY		30

To above mentioned approval is subject to the condition that institute shall follow and adhere to the regulations, guidelines and direction issued by AICTE and GTU from time to time and the undertaking / affidavit given by the

insitute along with the application submitted by the institution.

The following compliances are required to be done by your Institute/College Immediately.

- Provide Sufficient International Journals, E-Journals, Library books titles & Volumes are purchase as Prescribe by AICTE Norms.
- Provide facility to develop skill knowledge as per requirement of curricula.
- Administrative staff is to be appointed as per norms.
- Provide sufficient E - assessment facility for as per GTU Norms.
- The Institute shall take appropriate measures for prevention of ragging in any form, in the light of UGC regulation "Prevention and Prohibition of Ragging in Technical Institutions, Universities including Deemed to Universities imparting technical education" Regulation 2009.
- As per the instruction of UGC/AICTE/GOG/Admission Committee Gujarat, any institute cannot keep any original document of any students.
- University may also conduct inspections with or without notifying the dates to verify specific complaints or non-representation, violation of norms and standards, mal-practices etc.
- Principal must be endorsed by GTU.
- Required faculty ratio based on program is as follows:

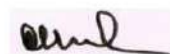
Level	Ratio
UG	1:20

- Laboratory, workshops and other facilities must be available for all the UG & PG courses.

The above mentioned criteria will be considered from upcoming year and all institutes are instructed to seek prior permission from GTU before introduction of new programme, any change in existing programme and extension of affiliation in existing courses before applying to AICTE/COA/PCI/or any apex body. Those institutions who have not completed the deficiencies of the previous year LIC report, university authority will take action against the institute and shall put the institute under "No Admission Zone" for the entire set of courses in the next academic year even though approval is given by apex body.

Please note that University can take appropriate action according to the provision of the Gujarat act 20/2007 and issue appropriate affiliation letter Notification in case of non compliance of the deficiency.

♦ This order is issued with the approval of Hon'ble Vice-Chancellor.



Dr.K.N.Kher

Registrar

Copy Submitted with respect to:-

The Principal Secretary (Technical Education), Education Department, Block no-5,8th Floor, New Sachivalaya,Gandhinagar-382010.

The Director, Commissionerate of Technical Education, Wing-B, 6th floor, Kamayogi Bhavan, Gandhinagar.

The Member Secretary, ACPC/ACPDC, Ahmedabad.

Office Copy.

Note :

- 1) GTU reserves the right to conduct inspection at any time during the year and take necessary action based on AIC/LIC report/data/complain etc.
- 2) AIC is for Existing Institutes and LIC is for New Institutes.
- 3) Individual Approval letter copy will not be communicated through Post/Email.



GUJARAT TECHNOLOGICAL UNIVERSITY

(Established Under Gujarat Act No.: 20 of 2007)

ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી

(ગુજરાત અધિનિયમ ક્રમાંક : ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

Accredited with A+ grade by NAAC

Affiliation Process 2023-24

Affiliation Letter

Date: 01/07/2023

GTU/Inst_Aff/047/2023-24

To,

The Principal,

VYAVASAYI VIDYA PRATISHTHAN'S SANCH. COLLEGE OF ENGINEERING, RAJKOT

Vajadi-Virda, Kalawad Road, Rajkot - 360005

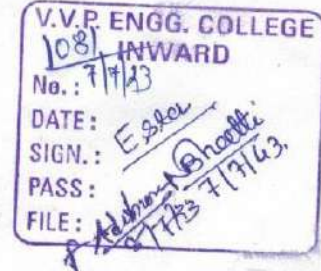
Sub. : Temporary Affiliation for the Academic Year 2023-24.

Read: Gujarat Act No. : 20/2007 Gujarat Technological University.

Ref. : 1) Application for affiliation for the academic year 2023-24.

2) EOA letter for the year 2023-24 from AICTE.

3) AIC report of GTU for the year 2023-24/LIC report of GTU for 2023-24.



Dear Sir,

With reference to the above-mentioned subject and referred application, in terms of the provision under the section-8 and 26 of GTU Act 20/2007 issued by the Government of Gujarat, I am directed to convey the temporary affiliation for the year 2023-24 as per following details:

Name of Institute	VYAVASAYI VIDYA PRATISHTHAN'S SANCH. COLLEGE OF ENGINEERING, RAJKOT	Institute Address	Vajadi-Virda, Kalawad Road, Rajkot - 360005
Name of Trust/Society/Body	Vyavasayi Vidya Pratishthan	Trust/Society/Body Address	Vajadi-Virda, Kalawad Road, Rajkot - 360005
Institute Type	SFI	GTU Institute Code	047
Year of Establishment		2008	

Change of Name	No	Change of Site	No	PIO Seats	No
Change of Name Approved	N.A.	Change of Site Approved	N.A.	NRI Seats	N.A.

To conduct the following courses with the intake mentioned against the name of course indicated below for the academic year 2023-24:

Level	Branch	Specialization	Approved Intake for 2023-24
UG	Mechanical Engineering		120
UG	Electrical Engineering		60
UG	Chemical Engineering		60
UG	Information Technology		120
UG	Computer Engineering		180
UG	Electronics & Communication Engg		30
UG	Civil Engineering		60
UG	04 - BIO-TECHNOLOGY		30

To above mentioned approval is subject to the condition that institute shall follow and adhere to the regulations, guidelines and direction issued by AICTE and GTU from time to time and the undertaking / affidavit given by the insitute along with the application submitted by the institution.

General Conditions for Vocational Courses:

1. It is mandatory to comply with all the provisions as given in APH 2023-24 (Chapter VI) and also in the 'Guidelines for Institutions Applying for Running Vocational Courses' uploaded at www.aicte-india.org/education/vocational-education
2. The Institution will ensure that the minimum batch size of 10 students shall be maintained for each course.
3. The courses must be conducted as per the guidelines issued under SAMVAY (Skill Assessment Matrix for vertical advancement of Youth). Training under these courses must be aligned with the outcome at each level as prescribed under National Skill Qualification Framework (NSQF).

The following compliances are required to be done by your Institute/College Immediately.

Observation by AIC/LIC committee(if any):

The institute infrastructure is found to be sufficient including lab, classroom and other amenities.

Sports and cultural activities are found to be excellent.

MOU with industry and students club, and placements in computer and IT is 100% and overall placement is 88%

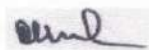
Looking to the deficiency generated and its verification by the team ; It has been found that out of required faculty of 113, institute has 57 endorsed and 30 ADHOC faculties. As a result, the deficiency comes out to be 49.55%. However, as per the APH 2023 AICTE, 75% of 113, ...required faculty to be endorsed is 85. Hence there is a short fall of 28 number of faculty, required to be endorsed at the earliest. Further, they have given the undertaking, that this deficiency of faculty will be fulfilled by the end of August 2023. It is required to maintain the faculty:cadre ratio as per AICTE norms.

Important Instructions

1. The Institute shall take appropriate measures for prevention of ragging in any form, in the light of UGC regulation "Prevention and Prohibition of Ragging in Technical Institutions, Universities including Deemed to Universities imparting technical education" Regulation 2009.
2. As per the instruction of UGC/AICTE/GOG/Admission Committee Gujarat, any institute cannot keep any original document of any students.
3. University may also conduct inspections with or without notifying the dates to verify specific complaints or non-representation, violation of norms and standards, mal-practices etc.
4. The institute has to required faculty ratio based on program shall be as per norms of concern apex body.
5. Laboratory, workshops and other facilities shall be maintained properly for all the UG & PG courses.
6. The above mentioned criteria will be considered from upcoming year and all institutes are instructed to seek prior permission from GTU before introduction of new programme, any change in existing programme and extension of affiliation in existing courses before applying to AICTE/COA/PCI/or any apex body. Those institutions who have not completed the deficiencies of the previous year LIC report, university authority will take action against the institute and shall put the institute under "No Admission Zone" for the entire set of courses in the next academic year even though approval is given by apex body.
7. The Institute has to Provide Sufficient International Journals, E-Journals, Library books titles & Volumes are purchase as Prescribe by AICTE Norms.
8. The Institute has to Provide Sufficient facility to develop skill knowledge as per requirement of curriculum.
9. The Institute has to appoint Administrative staff as per norms.
10. The Institute has to Provide sufficient E - assessment facility and faculties as and when required.

Please note that University can take appropriate action according to the provision of the Gujarat act 20/2007 and issue appropriate affiliation letter Notification in case of non compliance of the deficiency.

♦ This order is issued with the approval of Hon'ble Vice-Chancellor.


Dr.K.N.Kher
Registrar

Copy Submitted with respect to:-

The Principal Secretary (Technical Education), Education Department, Block no-5, 8th Floor, New Sachivalaya, Gandhinagar-382010.

The Director, Commissionerate of Technical Education, Wing-B, 6th floor, Karmayogi Bhavan, Gandhinagar.

The Member Secretary, ACPC/ACPDC, Ahmedabad.

Office Copy.

Note :

- 1) GTU reserves the right to conduct inspection at any time during the year and take necessary action based on AIC/LIC report/data/complain etc.
- 2) AIC is for Existing Institutes and LIC is for New Institutes.
- 3) Individual Approval letter copy will not be communicated through Post/Email.