V.V.P. ENGINEERING COLLEGE

Approved By AICTE and Affiliated to GTU

ARCHIVE
E-BULLETIN
DEPARTMENT OF COMPUTER ENGINEERING

July-2023 To December-2023

MESSAGE FROM TRUSTEES

India's energy transition is in its own interest because, otherwise economic growth would not be sustainable and human security would be at stake, since millions of climate refugees are created due to the devastating consequences of climate change.

The Prime Minister has committed to increase renewable energy and reach 500 GW target by 2030, which is only 100 GW in 2021.

Our wind energy production is only 12.5 % of the total potential and solar energy production is only 4.6 % of the total potential, a challenging task to tap unused resources.

The Prime Minister has announced the launch of the National Hydrogen Energy mission.

Green Hydrogen is a major component of renewable capacity of energy.

Engineering problems of cost, scale, adopting new technologies, working out distribution chains and storage of Hydrogen should be met by the government, bureaucracy, universities, engineers and technocrats by a coordinated policy and its implementation.

MESSAGE FROM PRINCIPAL

DR. TEJAS PATALIA

Welcome to V.V.P. Engineering College, a world class center for excellence in technical education. We are a leading technological institute of India, a home to a wide range of academic departments, providing best education in the major areas of technology and services in the area of research and consultancy.

We are proud and distinct through our global technical perspective, cosmopolitan character and being deeply rooted in the high Indian traditional culture, heritage and values.

You would enjoy the challenges and opportunities we offer. We look forwards to welcoming the engineering aspirants to a place of genuine intellectual excellence for an unforgettable simulating experience in the world of existing and emerging technologies, Welcome back to Future....

ABOUT V. V. P. ENGINEERING COLLEGE

Vyavasayi Vidya Pratishthan is established by Rajkot Nagarik Sahakari Bank Ltd. to promote quality education in various technical fields. The trust was founded in 1996 with the objective of meeting technical educational needs of Gujarat.

The trust prides itself of establishing the first engineering college in Rajkot, the central location of Saurashtra and Kutch region. V.V.P. Engineering College is a self-financed institution affiliated to Saurashtra University and Gujarat Technological University, recognized by All India Council for Technical Education (AICTE), New Delhi and the Government of Gujarat.

It has a specially designed on 30 acres of land with spacious building providing an adequate infra-structural facility setup in a beautiful natural surroundings. It is landscaped with enlivened architecture that creates conducive environment of learning. The campus is located 10 Km on Kalawad Road, the west of Rajkot, with transportation and conveyance facilities.

V.V.P. Engineering College is one of the best engineering colleges in India catering holistic growth to the students. It is providing state of the art facilities to the students. The institute has many schemes and offers for well education of the students.

VISION MISSION OF V.V.P. ENGINEERING COLLEGE

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 organise 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.

Department of Computer Engineering, V.V.P. Engineering College

MESSAGE FROM HEAD OF DEPARTMENT

DR. TEJAS PATALIA

Next 20 Years will be the era of computing. Every small thing involves computing from the time of the day one wakes up till one sleeps. Alarm to wake up in mobile, Emails, Facebook, WhatsApp for business and socials, Breakfast in microwave – all computing. Book a cab with uber which runs a car company but has no owner or use electric cars efforts of computing.

Use 3D printers, AI based seismic, weather forecast for farmers , soil testers, genetic crops, agro industries, food industry, Ai rbnb style hotel booking, biometric/face recognition like Aadhar, banking, foreign markets, movies, ebooks, all computing. Say a work & it has computing its base. From where the experts in the world see, 20 years from now belongs to revolutionary computing field.

The department offers excellent academic environment with a team of highly qualified faculty members motivating the students to develop their technical skills and inculcate the spirit of team work and life-long learning in them. We endeavours to produce competent professionals tuned to work with ever-changing technologies to address real-world problems.

DEPARTMENT OF COMPUTER ENGINEERING

VISION OF DEPARTMENT

- Transforming students into globally efficient professionals with moral values.

MISSION OF DEPARTMENT

- To provide a strong foundation of computer engineering through effective teaching learning process.
- To enhance industry linkage & alumni network for better placement and real-world exposure.
- To provide various opportunities & platforms for all round development of students & encour age them for value-based practices.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)
Graduates will be able to

- Apply computer engineering theories, principles and skills to meet the challenges of the society.
- Communicate effectively, work collaboratively and manifest professionalism with ethics.
- Exhibit life-long learning attitude and adapt to rapid technological changes in industry.
- Advance their career in industry, pursue higher education or become an entrepreneur.

PROGRAM SPECIFIC OUTCOMES (PSOs)
Graduates will be able to

- Apply fundamental knowledge of hardware and software aspects of computer systems.
- Analyze, model and develop computer applications by adapting emerging technologies and standard practices of software project development to meet the requirements of industry and society.
- Use different programming languages and open-source platforms.

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EDITORIAL BOARD

Sr. No.	Member Name	Designation
1	Dr. Tejas Patalia	Editor Chief
2	Prof. Brinda Chanv	Faculty Coordinator
3	Mr.Dipak Sadiya	Faculty Coordinator

GLIMPSES OF PLACEMENT

Placement 2020- 2024 Batch

Sr. No.	Student Name	Company Name
1	Harshit Manavadariya	Noovosoft
2	Nandini Trivedi	Noovosoft
3	Abhishek Vadoliya	Kevit
4	Khushi Sanghrajka	Kevit
5	Mihir Pithwa	Kevit
6	Niket Bhadeshiya	Kevit
7	Priyanka Mod	Kevit
8	Ronak Jagani	Kevit
9	Siddhant Prajapati	Kevit
10	Karan Bhalodiya	Weybee
11	Miral Khunt	Weybee
12	Ravi Aajugiya	Weybee
13	Yash Parmar	Weybee
14	Akshay Hirani	Tatvasoft
15	Deep Akabari	Tatvasoft
16	Gopal Ajani	Tatvasoft
17	Harshit Badrakiya	Tatvasoft
18	Isha Parecha	Tatvasoft
19	Jeet Varsani	Tatvasoft
20	Jenil Ashodia	Tatvasoft
21	Kinnari Dholakiya	Tatvasoft
22	Krutarth Gondaliya	Tatvasoft
23	Rakshit Mehta	Tatvasoft
24	Vivek Garanara	Tatvasoft
25	Utsav Adhyaru	Improwised

Department of Computer Engineering, V.V.P. Engineering College

GLIMPSES OF PLACEMENT

Placement 2020- 2024 Batch

Sr. No.	Student Name	Company Name
26	Khushi Surani	sky9IT Crafts
27	Aryarajsinh Harma	Shaligram Infotech
28	Prachi Meghrajni	Shaligram Infotech
29	Tarang Bhanderi	Shaligram Infotech
30	Alvish Vekariya	Shaligram Infotech
31	Dushyant Baraiya	Cybercom Creation
32	Yash Bhensadadiya	Cybercom Creation
33	Srushti Mandani	Koops Technologies
34	Dhruv Ashara	SKH Algorithm pvt. Ltd.
35	Krina Sangani	Vivansh Infotech
36	Kishan Pithadiya	TSS Consultancy Services
37	Harsh Dhorajiya	TSS Consultancy Services
38	Ankit Dabhi	Elluminati
39	Jensi Viradiya	Elluminati
40	Mitesh Jethwa	Elluminati
41	Shaktiraj Jadeja	Elluminati
42	Yash Tada	Mindfig LLP
43	Vaibhav Chadaniya	Emipro
44	Charmi Manadali	Knovos
45	Vivek Menpara	Yudiz
46	Tapan Jadav	White Label fox
47	Radhey Javiya	GN Websoft
48	Bharat Vala	GN Websoft
49	Prashansha Chapanera	Cypherox Technologies Pvt. Ltd.

Department of Computer Engineering, V.V.P. Engineering College

SPARKLING RESULTS OF DEPARTMENT

BACHELOR OF ENGINEERING

2nd Semester - Summer 2023 — 87.77%

JIYA MAVANI 9.86/10 SPI
TRIVEDI YASHVI 9.68/10 SPI
DOSHI PALAK 9.6/10 SPI

4th Semester - Summer 2023 — 92.31%

BALASARA KRISHNA 9.65/10 SPI
VADHAVANA GAURAV 9.65/10 SPI
VACHHANI KRUTIBEN 9.52/10 SPI

6th Semester - Summer 2023 — 96.34%

DHOLAKIYA KINNARI 9.44/10 SPI
DEEP AKABARI 9.36/10 SPI
PARECHA ISHA 9.28/10 SPI

8th Semester - Summer 2023 — 100%

KHOKHARIYA NISHTHA 10/10 SPI
SHAH VANSHIKA 10/10 SPI
NASIT MARGI 10/10 SPI

- Department has arranged industrial visit at "Gopal Namkeen" on 20th July ,2023 for 1st semester students.
- Department has arranged industrial visit at "Gopal Namkeen" on 22th July ,2023 for 1st semester students.
- Department has arranged workshop on "K7 International Higher Studies" on 08th August,2023 for 5th semester students.
- Department has arranged workshop on "Design Engineering" on 19th August,2023 for 3rd semester students.
- Department has arranged skill development workshop on "Digital Marketing" on 30th September,2023 for 3rd semester students.
- Department has arranged seminar on "Leveraging AI for Improved Communication" on 23th Octomber,2023 for 5th semester students.
- Department has arranged industrial visit at "Rajkot Nagarik Sahakari Bank" on 17th October ,2023 for 5th semester students.
- Department has arranged seminar on "Technology Trends and Career guidance" on 01st November,2023 for 5th semester students.
- Department has arranged skill development workshop on "Cyber Security 101 Workshop" on 14th November,2023 to 16th November,2023 for 3rd semester students.
- Department has arranged industrial visit at "Tops Technologies" on 7th December ,2023 for 3rd semester students.
- Department has arranged industrial visit at "Tops Technologies" on 6th December ,2023 for 3rd semester students.
- Department has arranged industrial visit at "Tops Technologies" on 8th December ,2023 for 3rd semester students.

GOPAL NAMKEEN INDUSTRIAL VISIT

Activity type : Industrial Visit   **Date** : 20-07-2023

Conducted by : Mr. Rajan Kariya & Team
(Manager at Gopal Namkeen)

Content Delivered

An industrial visit to Gopal Namkeen involves a guided tour of the manufacturing facility where students or participants observed the production processes involved in making namkeens and snacks. During the visit, attendees had the opportunity to interact with the company's staff and learn about the various stages of production, quality control measures, and the technology or equipment used.

Additionally, there was sessions where the training staff explained the working processes of different modules within the company, provides information about ongoing and upcoming projects, and shares the company's history. Participants had the chance to witness live demonstrations of various projects and experimental setups, gaining practical insights into the industry.

Department of Computer Engineering, V.V.P. Engineering College

GOPAL NAMKEEN INDUSTRIAL VISIT

Activity type : Industrial Visit   **Date** : 22-07-2023

Conducted by : Mr. Rajan Kariya & Team
(Manager at Gopal Namkeen)

Content Delivered

The industrial visit at Gopal Namkeen featured a guided tour of their manufacturing facility, allowing students and participants to observe firsthand the production processes involved in crafting namkeens and snacks. Throughout the visit, attendees engaged with the company's staff, gaining insights into the various stages of production, quality control measures, and the technology and equipment utilized.

Moreover, sessions were conducted by the training staff, elucidating the working processes of different modules within the company. These sessions provided information about ongoing and upcoming projects, along with sharing the company's history. Participants were afforded the opportunity to witness live demonstrations of various projects and experimental setups, providing them with practical insights into the dynamics of the industry.

Department of Computer Engineering, V.V.P. Engineering College

K7 INTERNATIONAL HIGHER STUDIES

Activity type : Workshop

Date : 08-08-2023

Conducted by : Mr. David Bamnolkar
(International Counseller)

Content Delivered

This session provides beneficial and foundational knowledge regarding higher education, along with appropriate guidance on preparation and practices.

This session offers valuable insights and fundamental information regarding higher education, providing comprehensive guidance on the preparation and practical aspects involved in the process. Participants receive essential advice and direction to navigate the intricacies of higher education, ensuring a well-rounded understanding of the subject matter.

Students gained a clear understanding of the processes involved in entering higher studies

DESIGN ENGINEERING

Activity type : Workshop

Conducted by : Assi. Prof. Nikhilesh Girnara
(VVP Engineering College)

Date : 19-08-2023

Content Delivered

Assistant Professor Nikhilesh Girnara led a seminar targeted at 3rd-semester students. The seminar centered on imparting insights into the teaching structure of the Design Engineering 1A subject. In addition, he comprehensively discussed the procedures for creating sheets, the registration process, and the selection of suitable topics.

As a result of this seminar, students acquired a clear understanding of Design Engineering, grasping the nuances of the subject's teaching framework, the sheet creation process, and the essential steps involved in topic selection.

DIGITAL MARKETING

Activity type : Skill Development Workshop   **Date** : 30-09-2023

Conducted by : Mr. Mohhamad Modi
(Founder,Miracle Techlab)

Content Delivered

Mr. Mohhamad Modi conducted a workshop on digital marketing to provide awareness and proper guidance about digital marketing. The workshop covered the following topics:

1. What is Traditional Marketing & Digital marketing?
2. What is Google AdWords & Google AdSense?
3. What is Social Media Marketing?
4. How many types of Campaign are there in Google AdWords?
5. Different Type of Ads in Digital Marketing
6. Types of Keywords in Digital Marketing.
7. How to find the Keyword of various cities?
8. Difference between On-Page SEO & Off-Page SEO.
9. Types of YouTube Ads.
10. How to Practically run FB & Instagram Ads using Meta Ads Manager.
11. Conclusion on how digital marketing will

be the most powerful tool in the future and what are the future scopes of it

LEVERAGING AI FOR IMPROVED COMMUNICATION

Activity type : Skill Development Seminar

Date : 23-10-2023

Conducted by : Mr. AL Jones
(Lyrics Guru)

Content Delivered

This seminar includes and define about AI basic things and important for current technology to explore practical direction.

Mr. AL Jones oversaw the seminar. The seminar encompasses a comprehensive exploration and definition of fundamental concepts related to Artificial Intelligence (AI).

It plays a crucial role in acquainting participants with essential aspects of AI that are pivotal in understanding the current technological landscape. The insights provided in the seminar not only contribute to theoretical knowledge but also offer practical directions, proving particularly beneficial in the application of AI within various fields.

Students acquired knowledge about the fundamentals of AI and gained practical insights into its application.

Department of Computer Engineering, V.V.P. Engineering College

DATA CENTER OF RAJKOT NAGARIK SAHAKARI BANK

Activity type : Industrial Visit   **Date** : 17-10-2023

Conducted by : Mr Yatint Upadhyay & Team
                        (Chief Manager IT at RNSB)

Content Delivered

The industrial visit by the 5th-semester computer engineering students to the data center of Rajkot Nagarik Sahakari Bank provided them with a firsthand experience of the bank's technological infrastructure. During the visit, students had the opportunity to explore the data center, gaining insights into the advanced systems and technologies that underpin the bank's operations.

The visit likely involved a guided tour of the data center, where students could observe the servers, networking equipment, and other critical components that ensure the smooth functioning of the bank's digital operations. They may have received explanations from the bank's IT professionals about the architecture, security measures, and data management protocols implemented in the data center.

Overall, the industrial visit to Nagarik Shakari Bank's data center offered students a practical and informative experience, enhancing their understanding of the role of technology in financial institutions and providing insights into the challenges and innovations within the field of computer engineering.

OPEN DISCUSSION ON "TECHNOLOGY TRENDS AND CAREER GUIDANCE"

Activity type : Skill Development Seminar

Conducted by : Mr. Shruti Purohit
(Google)

Date : 01-11-2023

Mr. Birju Rajyaguru
(SAP)

Content Delivered

The seminar provided valuable guidance to students, elucidating the distinctions between frontend and backend development. It underscored the importance of acquiring foundational knowledge in these fields and emphasized the significance of proper preparation in steering one's career in the right direction.

In detail, the session likely delved into the specific responsibilities and skill sets associated with frontend and backend development. It may have highlighted the significance of user interface (UI) design, user experience (UX), and client-side scripting for frontend development. On the backend, the focus may have been on server-side scripting, databases, and server management.

In essence, the seminar aimed to equip students with a comprehensive understanding of the frontend and backend realms, enabling them to make informed decisions about their career paths and undertake effective preparation for future endeavors in the field of web development.

Department of Computer Engineering, V.V.P. Engineering College

CYBER SECURITY 101 WORKSHOP

Activity type : Workshop   **Date** : 14-11-2023 to 16-11-2023

Conducted by : Mr. Yash Korat

Content Delivered

This workshop is designed to provide a comprehensive understanding of Cyber Security. It covers the following topics in detail:

- Significance of Cyber Security: This section explains the importance of Cyber Security in today's digital world.
- Digital Forensics: This section provides an overview of Digital Forensics, which is the process of collecting, analysing, and preserving electronic data in a way that is admissible in a court of law.
- Penetration Testing: This section covers Penetration Testing, which is a simulated cyber-attack on a computer system to identify vulnerabilities and weaknesses.
- Cybercrimes: This section discusses the various types of Cybercrimes, such as hacking, identity theft, and phishing.

In addition to these topics, the workshop also provides an overview of the career opportunities available for beginners to explore in this field.

TOPS TECHNOLOGIES INDUSTRIAL VISIT

Activity type : Industrial Visit

Date : 06-12-2023

Conducted by : Mr.Sanket Chauhan
(Sr. Technical Trainer)

Content Delivered

During this session, he provided a comprehensive overview of the company's operational dynamics. Delving deeper, he elaborated on the intricate processes through which the company extends its services to clients worldwide. His emphasis on the significance of delivering exceptional value to customers through standardized procedures resonated strongly.

As the session progressed, students gained valuable insights into the company's ongoing projects, upcoming endeavors, and its historical evolution. Moreover, they were presented with the unique opportunity to witness live demonstrations of a diverse range of projects and experimental setups.

TOPS TECHNOLOGIES INDUSTRIAL VISIT

Activity type : Industrial Visit   **Date** : 07-12-2023

Conducted by : Mr.Sanket Chauhan
          (Sr. Technical Trainer)

Content Delivered

During the session, a comprehensive overview of the operational dynamics of the company was presented. Going into further detail, the speaker elaborated on the intricate processes that the company employs to provide services to clients on a global scale. The emphasis throughout the presentation was on the paramount importance of delivering exceptional value to customers through standardized procedures, a sentiment that resonated strongly with the audience.

As the session unfolded, students gained valuable insights into the company's ongoing projects, upcoming endeavors, and its historical evolution. Additionally, they were afforded a unique opportunity to witness live demonstrations showcasing a diverse array of projects and experimental setups. This firsthand experience not only deepened their understanding of the company's operations but also provided practical insights into the innovative projects underway.

Department of Computer Engineering, V.V.P. Engineering College

TOPS TECHNOLOGIES INDUSTRIAL VISIT

Activity type : Industrial Visit   **Date** : 08-12-2023

Conducted by : Mr.Sanket Chauhan
Content Delivered (Sr. Technical Trainer)

During the session, a thorough exploration was undertaken, offering a comprehensive overview of the operational dynamics within the company. Delving into finer details, the speaker provided intricate explanations of the processes through which the company extends its services to clients on a global scale. A strong emphasis was placed on the paramount importance of delivering exceptional value to customers through standardized procedures, a message that resonated profoundly with the audience.

As the session unfolded, students were privileged to gain valuable insights into the company's ongoing projects, upcoming initiatives, and its historical evolution. Furthermore, they were granted a distinctive opportunity to partake in live demonstrations that showcased a diverse spectrum of projects and experimental setups. This immersive experience not only deepened their understanding of the company's operations but also provided practical insights into the innovative projects currently underway.
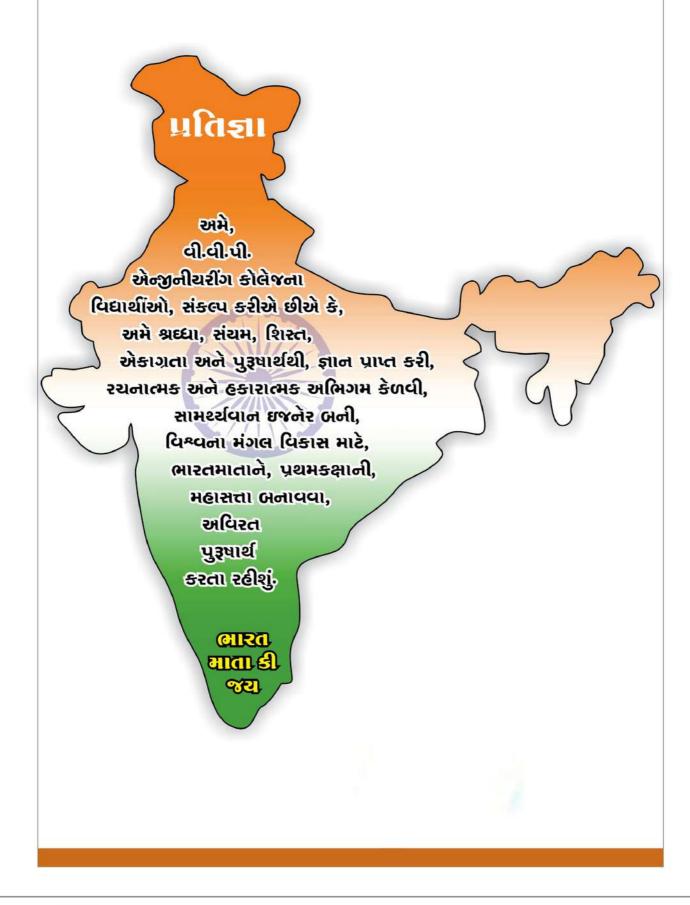
"Education is the most powerful weapon which you can use to change the world."

- Dr APJ Abdul Kalam.

પ્રતિજ્ઞા

અમે,
વી.વી.પી.
એન્જિનીયરીંગ કોલેજના
વિધાર્થીઓ, સંકલ્પ કરીએ છીએ કે,
અમે શ્રધ્ધા, સંયમ, શિસ્ત,
એકાગ્રતા અને પુરુષાર્થથી, જ્ઞાન પ્રાપ્ત કરી,
રચનાત્મક અને હકારાત્મક અભિગમ કેળવી,
સામર્થ્યવાન ઇજનેર બની,
વિશ્વના મંગલ વિકાસ માટે,
ભારતમાતાને, પ્રથમકક્ષાની,
મહાસત્તા બનાવવા,
અવિરત
પુરુષાર્થ
કરતા રહીશું.

ભારત
માતા કી
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Department of Computer Engineering, V.V.P. Engineering College

राष्ट्राय स्वाहा इदं न मम ।

V.V.P. ENGINEERING COLLEGE

📞 +91 91732 15401
+91 91577 17501
+91 91577 16781

✉️ info@vvpedulink.ac.in

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

🌐 https://vvpedulink.ac.in

Published by
DEPARTMENT OF COMPUTER ENGINEERING