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DEPARTMENT OF
INFORMATION
TECHNOLOGY

2021
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V.V.P.
ENGINEERING COLLEGE

AICTE Approved & Affiliated to GTU, Ahmedabad

Message from Chairman, Governing Body

Shri Lalitbhai Mehta

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 100GW 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. Jayesh Deshkar

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, being 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.

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

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 linkage 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.

Message from Head of the department

Dr. Darshana Patel

Department of I.T. of V.V.P. Engineering College firmly believe in the doctrine that students should be a part of the ever-expanding technology and so they should be aware of the recent advancements. In the IT sector, demand for skilled professionals and well-trained Engineers is on the rise. The department ensures to provide a better IT Infrastructure to its students so as to build their IT Skills and make them competent in the IT World.

Department's primary focus is to continue making efforts to ensure that all IT systems and services are highly available, highly reliable, and highly secure. It also significantly enhances the technology and facilities available to students and faculty and also strengthens its systematic effort to support the effective use of technology to improve teaching, learning, research, assessment and the administration of the College.

Department of Information Technology

VISION

To achieve excellence in the dynamic field of Information Technology by transforming students into outstanding IT professionals with human values to meet global challenges.

MISSION

- Imparting strong foundation and using tools and technologies to attain academic excellence and employability.

- Endowing expertise for transforming theoretical concepts into real-world applications that provides sustainable solutions to address needs of stakeholders.

- Cultivating analytical and soft skills inclusive of creative, managerial, team-work & communication skills through various activities to create competent professionals and/or entrepreneurs.

- Developing ever-learning attitude and ethics for professional life

Program Educational Objectives (PEOs)

Engineering graduates will be able to:

✓ Apply engineering fundamentals, scientific principles, analysis techniques, and design methodologies in IT field.

✓ Exhibit ever learning attitude to adapt the rapid technological changes in industry along with the implication of mathematical and logical skills & solve the real time problems.

✓ Demonstrate effective interpersonal, teamwork and leadership skills as well as work with values to meet the diversified needs of stakeholders.

✓ Advance their career in industry or continue their professional education or become an entrepreneur.

Program Specific Outcomes (PSOs)

On successful completion of program, will be able to:

✓ Apply knowledge of mathematics, science, engineering fundamentals and several information technology domains such as networking and security, data science, algorithms, Artificial Intelligence, etc. for providing solutions to real word problems.

✓ Apply ethics, management principles and soft skills to carry out societal IT projects diverse environment as a member or leader of a team.

संवाद

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VVP's 25th Anniversary Celebration

વીવીપી એન્જિ. કોલેજની રજત જયંતીએ સ્મૃતિ ગ્રંથનું વિમોચન, ૩૦ લાખનું દાન

અખિલ ભારતીય સરકાર્યવાહ રાષ્ટ્રીય સ્વયંસેવક સંઘ દત્તાત્રેય હોસબોલેજી, રાજ્યના પૂર્વ મુખ્યમંત્રી વિજય રૂપાણી સહિતના રહ્યા ઉપસ્થિત

રાજકોટ વીવીપી એન્જિનીયરીંગ કોલેજનો રજત જયંતિ સમારોહ યોજાયો

૨૫ વર્ષની સુવર્ણગાથા વર્ણવતા સ્મૃતિ ગ્રંથનું વિમોચન : અખિલ ભારતીય સરકાર્યવાહ દત્તાત્રેય હોસબોલેજી, પૂર્વ મુખ્યમંત્રી વિજયભાઈ ઉપસ્થિત રહ્યા

પ્રાચીન શિક્ષા પદ્ધતિમાં શ્રેષ્ઠ વ્યક્તિ નિર્માણ કરવાની તાકાત હતી

વી.વી.પી.ના ૨૫ વર્ષ પૂર્ણ થતાં રજત જયંતિ સમારોહની ભવ્ય ઉજવણી

૨૫ વર્ષની સુવર્ણગાથાને વર્ણવતું સ્મૃતિગ્રંથનું વિમોચન
રજતજયંતિ મહોત્સવ પ્રસંગે ક્રીડા ૩૦ લાખનું શ્રીદાન

૨૦ ડિસેમ્બરે સ્ને હમિલન

વી.વી.પી. એન્જીનીયરીંગ કોલેજનો રજત જયંતિ સમારોહ ઉજવાયો

(ચોટ્ટ મંદી કાર્યક્રમ-પબ્લોદ)

યુવાનો ભારતને વિશ્વગુરુ તમે જ બનાવી શકશો: દત્તાત્રેય હોસબોલેજ

નિર્મલા સીતારમણ ભારતના સૌથી પાવરફુલ મહિલા

Placements

Placement cell, Department of I.T. ensures that the students get best industry jobs. The students of department of I.T. get opportunity to be placed from more than hundred companies. Placement cell of Department of I.T. provides several types of pre-placement activities like mock PI, mock GD, Aptitude training, etc. to the students. The students get placements in reputed I.T. companies like TCS, Accenture, Red Hat, L&T Infotech, etc. Dpeartment of I.T. has achieved 100% placement for last six consecutive years. The vision of the Department of I.T. is to transform students into outstanding I.T. professionals. Placement cell of Department of I.T. is serving to achieve vision of the department.

More Jewels in our Crown

Dhairya Vakhariya — TCS TATA CONSULTANCY SERVICES

Harsh Sheth — TCS TATA CONSULTANCY SERVICES

Placements

Name	Company
Nishit Vishavadiya	AppGuruz
Kishan Changanee	Azilen Technologies Pvt Ltd
Rutvik Mori	BOSC Techlabs Pvt Ltd
Riddhi Parsana	BOSC Techlabs Pvt Ltd
Vrutika Savaliya	BOSC Techlabs Pvt Ltd
Sameer Boghani	eDelsta Enterprise Solutions Pvt Ltd
Misha Aghera	e SparkBiz
Shubham Mehta	Inexture Solutions
Zenith Poriya	Inexture Solutions
Darshit Mehta	Kevit Technologies
Devam Parikh	Maruti Techlabs
Bansi Bhimani	RKIT Software Pvt Ltd
Kishan Gohel	Satva Solutions
Kevin Rakholiya	Satva Solutions
Rujuta Batavia	Simform Solutions
Divyarajsinh Jadeja	Solute Technolabs
Jenil Shingala	Solute Technolabs
Yasar Khedara	Systenic Solutions
Vishad Lunagariya	Tark Technologies
Nensi Dedakia	Tatvasoft
Ankit Khunt	Tatvasoft
Harshkumar Sheth	TCS
Dhairya Vakhariya	TCS
Bhavik Mehta	Tridhya Tech Pvt Ltd
Vaibhav Patel	Tridhya Tech Pvt Ltd
Hetvi Patoliya	Tridhya Tech Pvt Ltd
Smit Vasoya	Tridhya Tech Pvt Ltd
Charmi Bhuptani	Weybee Solutions
Bhargavi Sheth	Weybee Solutions
Ashwin Vanol	Yudiz Solutions Pvt Ltd
Abhishek Chavda	Zignuts Technolabs
Deep Kiyada	Zignuts Technolabs
Akashbhai Chauhan	Zignuts Technolabs

Result
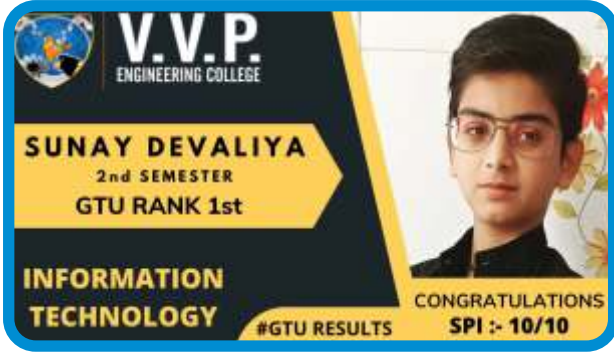
Department of Information Technology works hard to achieve great results in university exams. Department of I.T. achieves best results by taking several internal exams, following continuous evolution process and coaching to the students.

Result - Summer 2021

SEM	10/10 SPI	9 + SPI	8 + SPI	TOTAL STUDENTS
2nd	02	28	35	72
4th	00	36	43	81
6th	18	45	05	68
8th	47	19	00	69
TOTAL	67	128	83	290

Seminar, Workshop, Webinar, SDP

Department of Information Technology organize various seminars, workshops, webinars and student development programs(SDP) for the benefit of students. I.T. is a great way of networking and learning from industry experts. By attending these programs, students get up skilled and it serves a great source of knowledge to the students. It helps students to strengthen their technical capabilities which is mission of our college.

July - Dec - 2021

Workshop	07,08-Jul-21	Workshop on OpenCV and Media Files	Ms. Priyanka Garach	Managing Director, Qubit Education
Workshop	18-Aug-21	Workshop on OpenCV and Media Files	Ms. Priyanka Garach	Managing Director, Qubit Education
Workshop	02,03-Sep-21	Advanced Web Development using Spring Framework	Mr. Abhishek Pujara	Sky9it Craft Solutions
Webinar	20-Oct-21	Preparation for an Interview	Mr. Viral Ashara	Academic Head, Career Launcher
Webinar	21-Oct-21	How to crack Aptitude Tests	Mr. Javed Malek	Centre Director, Career Launcher
Webinar	22-Oct-21	MongoDB with Python	Ms. Priyanka Garach	Managing Director, Qubit Education

Orientation Program

On the commencement of the new semester, department head and her team explained academic calendar with various technical and non-technical activities to be performed, rules to be followed, importance of disciplines etc. Top ten certificates for various categories like Ranker in mid exam, Highest attendance, Industry visit and its report etc. were also distributed to the concern students.

Short Term Training Program
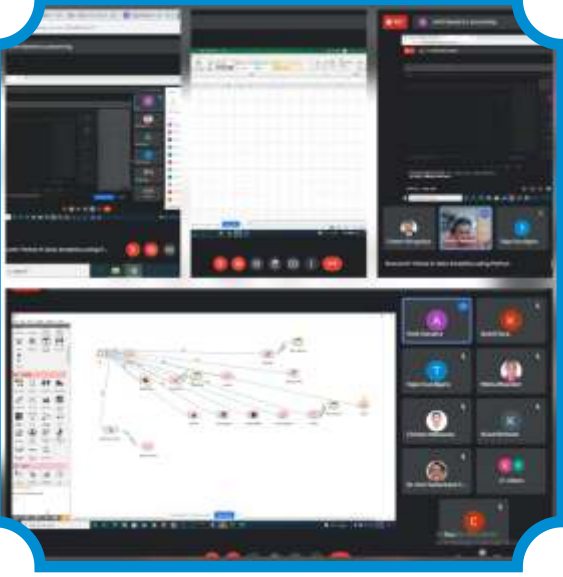
Department of Information Technology had organized Short Term Training Program on 'Research Trends in Data Analytics using Python.' The program was organized for training faculty members of various educational institutes, research scholars and industrialists in future technological trends. Top quality experts of this field had delivered sessions in the training program.

વીવીપી કોલેજમાં ડેટા રીસર્ચ, એનાલીસીસ વિશે કાર્યક્રમ યોજાયો

રાજકોટ, તા.૪ (ફૂલછાબ ન્યૂઝ) : વીવીપી ઈજનેરી કોલેજના ઈન્ફોર્મેશન ટેક્નોલોજી ડીપાર્ટમેન્ટ દ્વારા 'રીસર્ચ ટ્રેન્ડ્સ ઈન ડેટા એનાલિટીક્સ યુઝીંગ પાયથોન' વિષય શોર્ટ ટર્મ ટ્રેનીંગ પ્રોગ્રામનું આયોજન કરવામાં આવેલ હતું. જેમાં રીસર્ચર્સ, એન્જીનીયર્સ, ટીચર્સ તેમજ ઉચ્ચ અભ્યાસ કરતાં વિદ્યાર્થીઓએ ડેટા એનાલિટીક્સ અને સંલગ્ન ટેક્નોલોજી પર ઉડાણપૂર્વક જ્ઞાન મેળવેલ હતું.

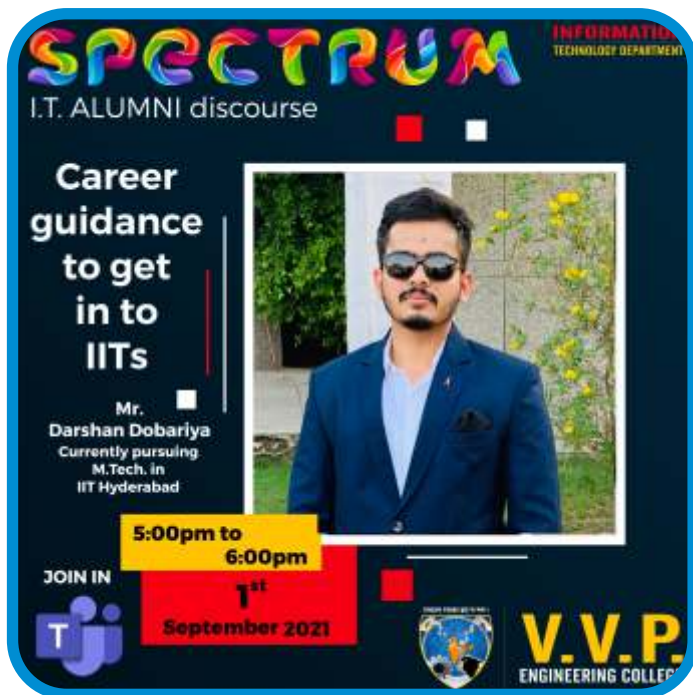ડેટા એનાલિટીક્સ એ વિશિષ્ટ સીસ્ટમો અને

રસ ધરાવતા ટેક્નોસેવી વિદ્યાર્થીને કેરીઅરમાં નવી દિશા મળશે

સોફ્ટવેરની સહાયથી તેમાં રહેલી માહિતી વિશે તારણો કાઢવા માટે ડેટા સેટની તપાસ કરવાની પ્રક્રિયા છે.

વ્યાપારી ઉદ્યોગોમાં ડેટા એનાલિટીક્સ ટેક્નોલોજી અને તકનીકોનો વ્યાપકપણે ઉપયોગ થાય છે. જેથી તેઓ વધુ માહિતી સભર વ્યાવસાયીક નિર્ણયો લઈ

શકે. આ પ્રોગ્રામ થકી તેમાં ભાગ લેનાર દરેકે વાસ્તવિક ઉદાહરણો સાથે નિર્ણયો અને આગાહીઓ કરવા માટે ડેટા પેટર્નનો ઉપયોગ કેવી રીતે થઈ શકે તેમજ ડેટા હેન્ડલીંગના વિવિધ પાસાઓ અને ડેટામાંથી માહિતી કેવી રીતે મેળવી શકાય તે જાણ્યું. આ ટ્રેનીંગ પ્રોગ્રામ દ્વારા ડેટા એનાલિટીક્સ અને સંલગ્ન વિષય પર જાગરૂકતા વધશે તથા તેમાં રસ ધરાવતાં ટેક્નોલોજી રસીયાઓને કેરીઅરમાં એક નવી દિશા મળશે.

Spectrum (Alumni Discourse)

Department of Information Technology has taken an initiative to connect alumni of the department with students. Dept. organize expert talk sessions for the students under Spectrum event banner. The alumni of the department serve as experts and guide students in their career advancements. The college has defined mission to strengthen linkage with industries and alumni. This program serves to fulfill that mission.

Mr. Darshan Dobariya from IIT Hyderabad delivered the session on "Career Guidance to get into IITs" for 7th semester students. The students got knowledge on how to prepare and crack entrance test for IITs.

Mr. Gautam Adhia form Locus enterprise solutions delivered session on "The Facebook Outage: Understanding Real World Networking" for 5th and 7th semester students. Students got knowledge on real world networking and how to resolve server problems and identify it.

Publication

Dr. Darshana H. Patel, Prof. Dishita Mashru, Prof. Vijay K. Vyas, Prof. Madhuri V. Vaghasia from Department of Information Technology have published technical books during 2021 year. Writing a book force you into corners of technology you might not otherwise look into. The faculties have worked really hard to focus on sections of the book that required real thought.

Title : Agronomy prediction by stream fractal clustering on geo-map in real time

Journal Name : LNCS, Springer   **Month-Year : August 2021**

Publication : Springer   **Published Type : In Process**

Author : Dr. Darshana H. Patel
Prof. Hemangee Mirani

Title : Analysis of Statistical Methods for Vehicle Detection in the Accident Avoidance System an Application of ITS

Journal Name : LNEE, Springer   **Month-Year : December 2021**

Publication : Springer   **Published Type : In Process**

Author : Prof. Diya N. Vadhwani

Industrial Visit

The Department of Information Technology organize several industrial visits for the students throughout year. The students understands functioning of the industries and gets insight into the real working environment. The department had organized visit at Tark Technologies, Actionware, Gopal Namkeens, E-Infochips, RMC eyeway project, RNSB data centre and many more places. The college defined a mission to organize co-curricular and extra-curricular activities for overall development of the students. Department of Information Technology works towards achieving this mission. 7th Semester students and 5th semester students visited Tark Technologies. 3rd semester students visited Actionware India Pvt. Ltd. and 1st semester Students visited Gopal Namkeen Pvt. Ltd.

Students' Achievement

The students of Department of Information Technology, Gautam Jivrajani, Hit Shiroya, Neel Sanghavi and Sohan Gajjar had participated in International Collegiate programming Contest (ICPC) which is an annual multi-tiered competitive programming competition among universities of the world. In this reputed international level competition, the students had cracked first round which shows talent level of these students. This is a step towards achieving department vision to transform students into outstanding IT professionals.

The students' team was mentored by Prof. Pranav Tank.

The students of Department of Information Technology, Misa Aghera, Rujuta Batavia, Disha Nathwani, Vishal Pansuriya had participated in an inter college debate competition on cyber security. The event was organized by Rajkot City Police. The students' team was mentored by Prof. Pranav Tank. The team got 1st rank in the competition. The students of department of Information Technology showcased their technical knowledge and communication skills in this event.
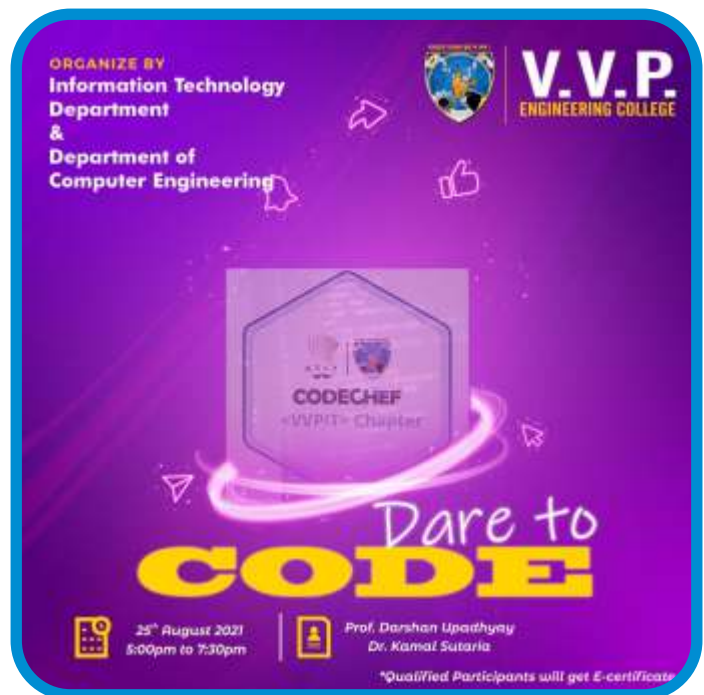

The students of Department of Information Technology, Pal Pujara and Priyanka Shah had participated in inter-department research paper competition. (The students were guided by Dr. Darshana Patel & Prof. Dishita Mashru) They got 1st Rank in the competition. The student showcased their analytical skills, soft skills and communication skills to achieve 1st rank in the competition. The department has defined mission to cultivate these skills into the students.

Technical Events

Technical events organized by Department of Information Technology has become a tool for practical learning of the students. Tech events organized by Department of Information Technology has provided platforms for students to showcase their talent, innovative ideas and to compete with their peers. These kind of events fill up analytical skills, soft skills, etc. in students. By these kind of events, Department of Information Technology justifies its mission of creating competent professionals

Life Skill Session

A Life Skill lecture on 'Character and Personality' was held in 1st semester of Mechanical Engineering Department. A lecture was delivered by Pradeepsinh Sarvaiya, Laboratory Assistant, Department of Information Technology.

Mr. Pradeepsinh Sarvaiya had shared about the session and why this session was arranged for 1st semester students. In this session students discussed about character and personality. Understanding how character and personality are needed in life. Discuss with the students how useful both of these are in the vision and mission of the college to be a good professional person with human qualities. Also discussed what efforts he should make to become a responsible citizen.

A Life Skill lecture on 'Time Management' was held in 3rd semester of Department of Information Technology. A lecture was delivered by Dr. Dharmesh Sur, Head of Biotechnology Engineering Department.

The basic idea about wastage of time and how that is not productive- here in the understanding of productive utilization of time was given to all students. Made them realize 3 factors wasting time(defining it / categorizing it). To make students undergo and exercise where they waste time unknowingly and how to convert it into fruition.

Non-Technical Events

Tree Plantation WP IT

Elocution Competition
Contribution of the Indian women in the world history

Disha Nathwani — Elocution
Riddhi Kamani — Rangoli
NAVRANG – RANKERS
Riddhi Parsana — Photography
Misha Aghera — On the spot painting

Department of Information Technology organize several non-technical events for the students. Events like Thanganat, Food Fiesta, Farewell, Connect, Tree Plantation etc. give students opportunity to organize and manage events. The Department of Information Technology works to words mission to cultivate creative, managerial, team work, etc. soft skills in students.

Connect 21'

The students had organized and managed the whole event. The aim of this event was to connect students of different semesters. For networking among students, there were several performances from all semesters students in the event.

Food Fiesta 21'

The students had managed a food counter for all the students and faculties of Department of Information Technology. The food items were cooked by students and also ordered by students.

Thanganat 21'

The students had organized and managed traditional Garba Event 'Thanganat 21' for all semester students of Department of Information Technology.

Krutagnata Divas

The students had celebrated Krutagnata divas on date : 21-Aug-2021. The students went back to school on that day and expressed gratitude to their school teachers.

Krutagnata Divas

પ્રતિજ્ઞા

અમે,
વી.વી.પી.
એન્જિનીયરીંગ કોલેજના
વિધાર્થીઓ, સંકલ્પ કરીએ છીએ કે,
અમે શ્રદ્ધા, સંયમ, શિસ્ત,
એકાગ્રતા અને પુરૂષાર્થથી, જ્ઞાન પ્રાપ્ત કરી,
રચનાત્મક અને હકારાત્મક અભિગમ કેળવી,
સામર્થ્યવાન ઇજનેર બની,
વિશ્વના મંગલ વિકાસ માટે,
ભારતમાતાને, પ્રથમકક્ષાની,
મહાસત્તા બનાવવા,
અવિરત
પુરૂષાર્થ
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"Technology is nothing. What's important is that you have a faith in people, that they're basically good and smart, and if you give them tools, they'll do wonderful things with them"

- Steve Jobs

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