V.V.P. ENGINEERING COLLEGE

Approved By AICTE and Affiliated to GTU

ARCHIVE

E-BULLETIN

DEPARTMENT OF COMPUTER ENGINEERING

January-2024 To June-2024

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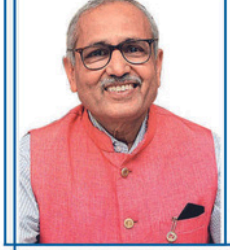
- India's energy transition is in its own interest because, otherwise economic growth would not be sustainable and human security would be at stake, since millions of climate refugees are created due to the devastating consequences of climate change.

- 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.

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

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.

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

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.

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, V.V.P. Engineering College

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.

INDEX

Sr. No.	Content
1	Placement & Result
2	Student and Staff Achievements
3	Deparment activities like Seminar , Workshop,Industrial Visit, STTP, etc
4	Deparment News
5	Brance specific quote

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

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

GLIMPSES OF PLACEMENT

Placement 2020- 2024 Batch

Sr. No.	Student Name	Company Name
1	Manan Shukla	Noovosoft
2	Janvi Rupapara	Weybee
3	Gaurav Vadhavana	Weybee
4	Darshiniba Jadeja	Kevit
5	Meet chauhan	GNWebSoft
6	Mayank Parmar	Kevit
7	Sagar Chavda	Kevit
8	Bhautik Rakhashiya	Kevit
9	Riya Sata Sata	Kevit
10	Bhumir Kachhadiya	GNWebSoft
11	Khushi Mehta	Kevit
12	Safin Sheikh	Kevit
13	Jagnesh Tank	Tatvasoft
14	Kruti Vachhani	Tatvasoft
15	Devisha Gajjar	Tatvasoft
16	Shyam Pankhaniya	Tatvasoft
17	Suman Pankhaniya	Tatvasoft
18	Santosh Kindarkhediya	Tatvasoft
19	Yash Koradia	Koops
20	Harsh Tank	Koops
21	Krishna Balasara	Zignuts Technolab
22	Naitik Vala	Zignuts Technolab
23	Jaydev Dwivedi	Zignuts Technolab

SPARKLING RESULTS OF DEPARTMENT

BACHELOR OF ENGINEERING

1st Semester - Winter 2023 — 67.77%

KAMDAR MANSI 10/10 SPI
DANIDHARIYA MAHARSHI 9.76 / 10 SPI
PARMAR VISHAL 9.76/10 SPI

3rd Semester - Winter 2023 — 92.74%

KARIYA MAHEK 9.87/10 SPI
MAVANI JIYA 9.57/10 SPI
TANK NIRAV 9.43/10 SPI

5th Semester - Winter 2023 — 97.44%

GAJJAR DEVISHA 9.87/10 SPI
BALASARA KRISHNA 9.67/10 SPI
VACHHANI KRUTIBEN 8.96/10 SPI

7th Semester - Winter 2023 — 100%

DHOLAKIYA KINNARI 9.58/10 SPI
AKBARI DEEP 9.29/10 SPI
PARECHA ISHA 8.79/10 SPI

- Department has arranged Skill Development workshop on "Brainstorm with JAVA" on 11th January,2024 for 6th semester students.
- Department has arranged seminar on "Career Guidance Seminar" on 23rd January,2024 for 6th semester students.
- Department has arranged seminar on "Career Development Seminar" on 31st January,2024 for 6th semester students.
- Department has arranged industrial visit at "eInforchips" on 1st February,2024 for 6th semester students.
- Department has arranged industrial visit at "eInforchips" on 2nd February,2024 for 6th semester students.
- Department has arranged seminar on "Introduction of Python" on 5th February,2024 for 4th semester students.
- Department has arranged seminar on "How to build a Global Career" on 7th February,2024 for 6th semester students.
- Department has arranged industrial visit at "Infinity Infoway pvt ltd" on 12th February,2024 for 4th semester students.
- Department has arranged Workshop on "Fundamental of Java Script" on 23rd February,2024 for 6th semester students
- Department has arranged Workshop on "Angular JS" on 24th February,2024 for 6th semester students
- Department has arranged Seminar on "AI in Healthcare Sector" on 26th February,2024 for 6th semester students.
- Department has arranged Tech Talk on "Logic Decoder Series" on 1st to 13th March,2024 for 6th semester students.
- Department has arranged Seminar on "Aptitude Reasoning Preparation" on 26th and 27th March,2024 for 6th semester students.
- Department has arranged Tech Talk on "From Sketch to Screen: Building Your First Webpage" on 1st April,2024 for 2nd, 4th and 6th semester students.
- Department has arranged Tech Talk on "Campus Hero Webinar" on 30th April,2024 for 2nd, 4th and 6th semester students.

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

MASTERING THE ART OF BRAINSTORMING WITH JAVA PROGRAMMING

Activity type : Skill Development Workshop   **Date** : 11-01-2024

Conducted by : Mr. Chirag Khimani
(Automation Instructor -Selenium Java BDD Rest Assured)

Content Delivered

"Mastering the Art of Brainstorming with Java Programming" is an event designed to enhance problem-solving skills and foster innovation among students. The event brings together students to collaboratively tackle complex challenges, share insights, and learn advanced Java techniques. It focuses on brainstorming sessions, hands-on coding, and interactive workshops to encourage creativity and effective solution development.

Through this hands-on workshop, students can expect to leave the event with new skills, innovative ideas, and valuable connections.

The "Mastering the Art of Brainstorming with Java Programming" event enhances student's problem-solving skills and fosters innovation. By collaborating on complex challenges, sharing insights, and learning advanced Java techniques through brainstorming sessions, hands-on coding, and interactive workshops, students improve their analytical thinking, coding proficiency, and teamwork.

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

CAREER GUIDANCE SEMINAR

Activity type : Seminar   **Date** : 23-01-2024

Conducted by : Mr. Hiren Kotadiaya
                        (Co-Founder at Weybee Solutions)

Content Delivered

The primary goal of the skill development seminar was to help students make informed decisions about their major and career trajectory. Additionally, the seminar aimed to provide insights into potential job opportunities within their chosen career paths.

Mr. Hiren Kotadiaya and his team led the session, covering the following key aspects:

- Assisting students in gaining a clearer understanding of the career exploration process.
- Guiding students in evaluating how their individual skills and interests align with their chosen major or career path.

By the end of the seminar, participants were expected to:

- Identify and list at least one major or career path for further exploration.
- Make a definitive choice regarding their major.

DEPARTMENTAL ACTIVITIES

CAREER DEVELOPMENT SEMINAR

Activity type : Seminar

Date : 31-01-2024

Conducted by : Mr. Hiren Anandwani
(Softrefine Technology Pvt Ltd.)

Content Delivered

The primary aim of the skill development seminar was to assist students in making well-informed decisions about their major and career path, as well as to provide insights into potential job opportunities within their selected fields.

Led by Mr. Hiren Anandwani and his team, the session focused on helping students gain a clearer understanding of the career exploration process and guiding them in assessing how their individual skills and interests align with their chosen major or career path. By the end of the seminar, participants were expected to identify and list at least one major or career path for further exploration and make a definitive choice regarding their major.

The seminar was designed to provide students with the essential tools and insights to confidently navigate their career choices, align their skills and interests, and ultimately make well-informed decisions.

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

eINFOCHIP INDUSTRIAL VISIT

Activity type : Industrial Visit

Conducted by : Mr. Jiten Shah
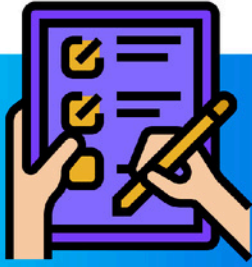
(Director Engineer at eInfochip)

Date : 01-02-2024

Content Delivered

The industrial visit commenced with students stepping into the vibrant workplace atmosphere. They received valuable insights into the company's operations and ongoing projects from a company representative. Engaging discussions deepened their understanding of the industry.

Captivating demonstrations showcased the company's innovation. The visit concluded with an interactive session with the HR representative, offering insights into career opportunities and company culture, empowering students to envision their future in the industry

Students witnessed firsthand the working culture of the company, gaining insights into its ongoing projects and cutting-edge technologies.

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

eINFOCHIP INDUSTRIAL VISIT

Activity type : Industrial Visit

Conducted by : Mr. Jiten Shah
      (Director Engineer at eInfochip)

Date : 02-02-2024
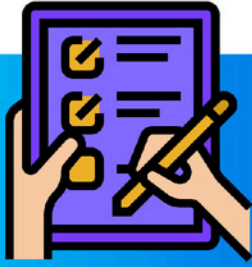
Content Delivered

The industrial visit began with students immersing themselves in the vibrant workplace atmosphere. A company representative provided valuable insights into the company's operations and ongoing projects, fostering engaging discussions that deepened their understanding of the industry. Captivating demonstrations highlighted the company's innovations. The visit concluded with an interactive session with an HR representative, offering insights into career opportunities and company culture, empowering students to envision their future in the industry.

Students experienced the company's working culture firsthand, gaining insights into its ongoing projects and cutting-edge technologies.

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

INTRODUCTION TO PYTHON

Activity type : Seminar   **Date** : 05-02-2024
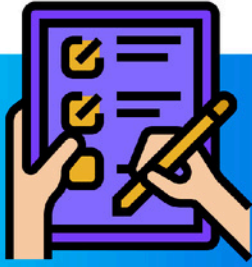
Conducted by : Mr. Sanket Chauhan
(Senior Technical Trainer, TOPS Technologies)

Content Delivered

The seminar on "Python Programming" conducted by Sanket Chauhan Sir provides a focused and expert-led exploration of Python's essentials and advanced features. Participants will receive practical insights into Python's syntax, data structures, object-oriented programming principles, and its application in real-world scenarios such as web development, data science, and automation. Saket Sir's sessions emphasize hands-on learning, equipping attendees with the skills and confidence to utilize Python effectively in diverse professional settings.

The seminar on "Python Programming" ensures participants develop a comprehensive understanding of Python's syntax, data structures, and key programming concepts. Through hands-on exercises and practical projects, attendees gain proficiency in using Python for diverse applications including web development, data analysis, automation, and beyond. By the end of the seminar, participants enhance their problem-solving skills and gain the confidence to apply Python effectively in professional settings, thereby improving their career prospects in the rapidly evolving fields where Python is extensively used.

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

HOW TO BUILD A GLOBAL CAREER

Activity type : Seminar

Date : 07-02-2024

Conducted by : Mr. Mohammed Ali Ansari

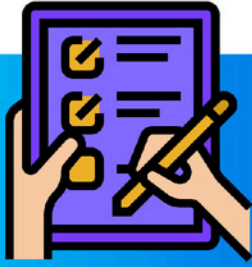(Head - Marketing & Operations at Academy for Training, Overseas and Management IPD)

Content Delivered

Mr. Mohammed Ali Ansari covers the following areas in this interactive seminar:

- Importance of studying abroad and its long-term benefits for students.
- How studying abroad expands students' employment opportunities.
- Steps involved in the process of studying abroad.
- Selecting the appropriate course and university.
- Strategies for building a strong profile for higher education.
- Application procedures, eligibility criteria, and intake schedules.
- English language proficiency test requirements.
- Scholarship opportunities for Indian students.
- Brief overview of popular destinations such as the UK, USA, Australia, and Canada.

INDUSTRIAL VISIT AT INFINITY INFOWAY PVT ITD

Activity type : Industrial Visit   **Date** : 12-02-2024

Conducted by : Mr. Parvez Faruki
                                 (HR Infinity Infoway

Content Delivered

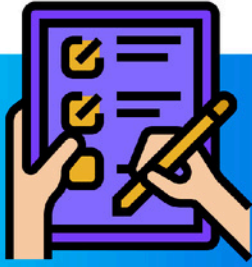To provide students an insight into the internal working of companies in the corporate world.

Give Complete Information about:

- Explained students about company's work.
- Students visited the company premises.
- Explained how the software development life cycle works in corporate world.
- Guided the students about the latest technologies and tools being used in the industries.
- Answered the queries of the students.
- Students interacted with the one of the project team.
- Students participated in the various activities conducted by the team.

Students understood the internal working of the IT company.

This practical experience helps individuals understand theoretical concepts better and bridges the gap between classroom learning and practical application.

FUNDAMENTAL OF JAVA SCRIPT

Activity type : Workshop   **Date** : 23-02-2024

Conducted by : Mr. Mayank Pandya
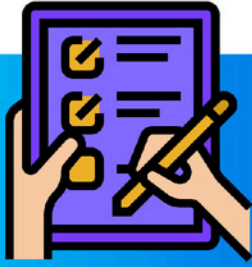   (Software Engg. - Khodiyar E Solution)

Content Delivered

To enhance students' Knowledge of JavaScript and make their foundation strong so that students can improve their technical skills.

Give Complete Information about:

- What is Java script and how it is evolved.
- How JavaScript works its benefits.
- How to develop webpage using JavaScript.
- Brief information about advance JavaScript frameworks.
- Examples of JavaScript Code and its demo.
- Sample website development using JavaScript framework.
- Future scope of JavaScript frameworks.
- Industry requirements of JavaScript Developers.

WORKSHOP ON ANGULAR JS

Activity type : Workshop   **Date** : 24-02-2024

Conducted by : Mr. Vivek Godhani & Charmi Jagani
                              (StackDot)

Content Delivered

To enhance students' Knowledge of AngularJS and make their foundation strong so that students can improve their technical skills.

Give Complete Information about:

- What is AngularJS and how it is evolved.
- How Angular JS works its benefits.
- How to develop webpage using AngularJS.
- Brief information about advance AngularJS frameworks.
- Examples of AngularJS Code and its demo.
- Sample website development using AngularJS framework.
- Future scope of AngularJS frameworks.
- Industry requirements of AngularJS Developers.

Students had very great experience learning the AngularJS and their fundamentals got strong.

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

DEPARTMENTAL ACTIVITIES

AI IN HEALTHCARE SECTOR

Activity type : Seminar

Date : 26-02-2024

Conducted by : Dr. Priyank Vasavada
(Blue Sapphire Health Solution)

Dr. Ritvij Satodiya
(Blue Sapphire Health Solution)

Content Delivered

To provide students an insight about Artificial Intelligence in Healthcare Sector.

Give Complete Information about:

- Explained students about AI and its role in healthcare sector.
- AI in healthcare's ability to analyze vast amounts of clinical documentation quickly helps medical professionals identify disease markers and trends.
- It utilizes algorithms to interpret medical images, predict patient outcomes, optimize clinical trials, and support administrative tasks.
- AI is redefining the way we process healthcare data, diagnose diseases, develop treatments and even prevent them altogether.
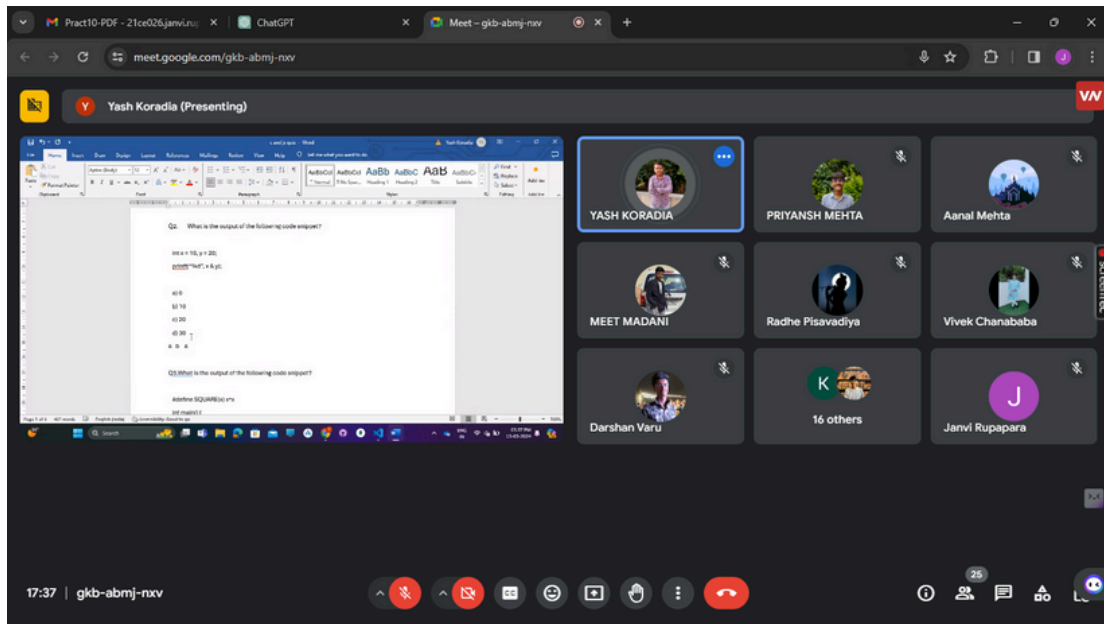- Guided the students about future scope of AI in Healthcare.

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

TECH TALK ON LOGIC DECODER SERIES

Activity type : Workshop

Date : 01-03-2024 to 10-03-2024,13-03-2024

Conducted by : Mr. Priyansh Mehta
(Technical Lead, GDSC club)

Mr. Yash Kordia
(Technical Lead, GDSC club)

Content Delivered

The Logic Decoder Series, initiated on March 1st, aimed to enhance participants' proficiency in Java and C by posting two questions daily. This consistent practice encouraged continuous learning, improved problem-solving skills, and deepened understanding of programming concepts. As we reveal the answers, the objective is to solidify knowledge and clarify any misunderstandings, ensuring a comprehensive grasp of the material covered.

Since March 1st, the Logic Decoder Series has posted two questions daily—one in Java and one in C. This initiative provided participants with regular challenges to practice coding, sharpen their problem-solving skills, and reinforce their understanding of programming concepts. Now, as the series concludes, we will reveal the answers and explain the underlying concepts to solidify the participants' knowledge and address any misconceptions.

APTITUDE REASONING PREPARATION

Activity type : Workshop

Date : 26/03/2024 & 27/03/2024

Conducted by : Assi. Prof.Niramal Bhalani
(VVP Engineering College)

Content Delivered
To help students to clear the company aptitude test during the placement interviews.

Give Complete Information about:
- Explained students about various types of questions asked in the aptitude exam and verbal reasoning.
- Explained the different tricks to solve the questions very fast.
- Explained example questions asked in exam and its solution.
- Guided the students about the latest books and website for the practice of the aptitude and verbal reasoning.
- Answered the queries of the students.
- Mock test at the end of the session.
- Shared the resources to improve the communication skills and learn the language in depth for verbal reasoning.
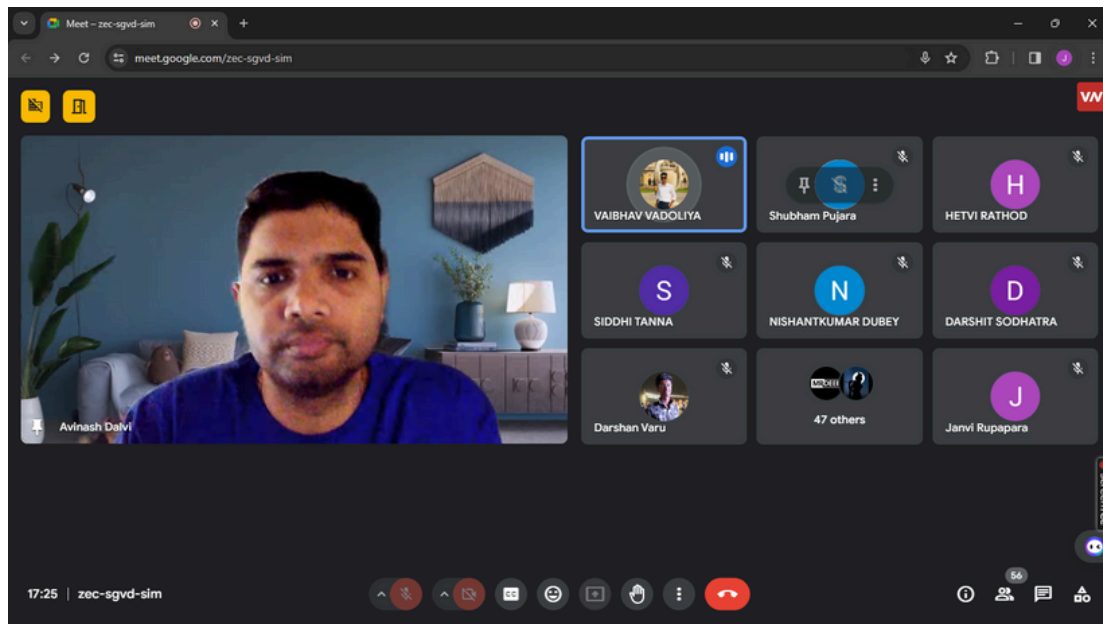
FROM SKETCH TO SCREEN: BUILDING YOUR FIRST WEBPAGE

Activity type : Tech talk   **Date** : 01-04-2024
Conducted by : Mr.Avinash Dalvi
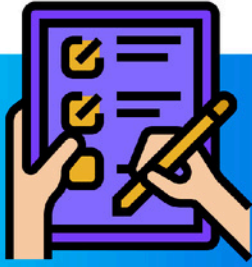   (Cloud Engineer)

Content Delivered

To help the students to develop dynamic web page session, that provides fundamental insights and the latest trends in web development.

Give Complete Information about:

- What is Webpage and how it is evolved.
- How Web page works its architecture
- How to develop webpage using React JS.
- Brief information about advance React JS frameworks.
- Examples of React JS Code and its demo.
- Sample website development using React JS framework.
- Future scope of React JS frameworks.
- Industry requirements of React JS Developers.

Students had very great experience learning the Webpage design and React JS and their fundamentals got strong.

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

CAMPUS HERO WEBINAR

Activity type : Tech talk   **Date** : 30-04-2024

Conducted by : Mr.Abhishek Kumar
                    (Product Engineer at Sprinklr)

Content Delivered

To enhance students' Knowledge of JavaScript and make their foundation strong so that students can improve their technical skills.

Give Complete Information about:

- Explained students about how to prepare for company interviews.
- Explained what placement process is for different companies.
- Explained about the latest technologies being used in type industries nowadays.
- Helped the students about the various resources they can refer for preparation.
- Taught the students that how students can fill the gap between campus and corporate world.
- Explained the interview and selection criteria for various technologies and companies based on client requirements.

BRANCH SPECIFIC QUOTE
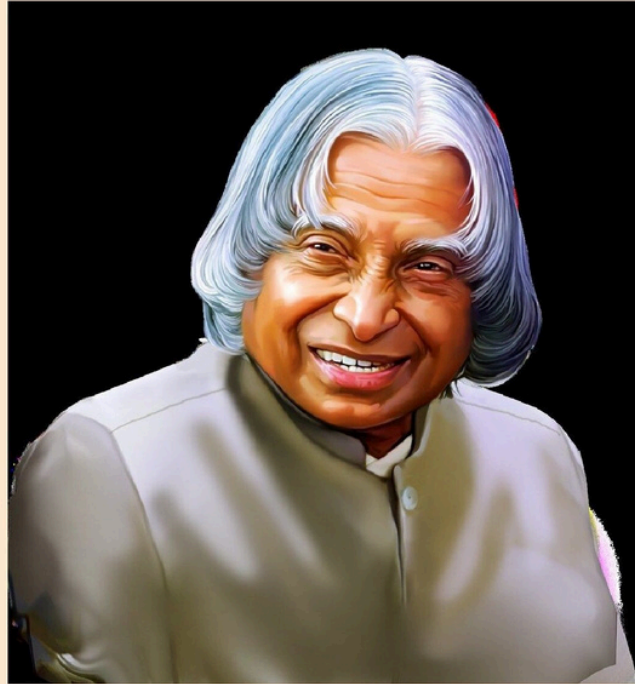
"Education is the most powerful weapon which you can use to change the world."

– 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 ઈજનેર બની,
વિશ્વના મંગલ વિકાસ માટે,
ભારતમાતાને, પ્રથમકક્ષાની,
મહાસત્તા બનાવવા,
અવિરત
પુરુષાર્થ
કરતા રહીશું.

ભારત
માતા કી
જય

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