# V.V.P. ENGINEERING COLLEGE

Approved By AICTE and Affiliated to GTU

# ARCHIVE
# E-BULLETIN
## DEPARTMENT OF COMPUTER ENGINEERING

July-2024 To December-2024

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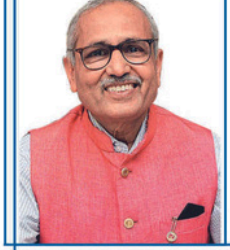
- India's energy transition is in its own interest because, otherwise economic growth would not be sustainable and human security would be at stake, since millions of climate refugees are created due to the devastating consequences of climate change.

- 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. PIYUSH VANZARA

At V V P Engineering college, our vision is to transform our students into competent professionals by nurturing intellectual curiosity, inspiring creativity, and equipping students with the knowledge and skills needed to thrive in an ever-evolving world. We aim to be an exemplary institution that empowers individuals to reach their full potential, promotes interdisciplinary collaboration, and addresses global challenges.

We envision a future where our students not only excel academically but also grow as responsible and ethical leaders who contribute meaningfully to society. Our commitment to excellence in education and holistic development will ensure that our graduates are prepared to make a positive impact on the world in their respective fields and communities.

With a focus on continuous improvement, we strive to be a place where diverse perspectives are celebrated, and where all members of our community—students, faculty, and staff—work together to create a sustainable, prosperous future for all.

Let us move forward with a shared sense of purpose and dedication for shaping the engineers of tomorrow.

# 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.

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, 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 | Branch specific Quote |

# EDITORIAL BOARD

| Sr. No. | Member Name | Designation |
|---------|-------------|-------------|
| 1 | Dr. Tejas Patalia | Editor Chief |
| 2 | Prof. Brinda Chanv | Faculty Coordinator |
| 3 | Prof. Nirali Gondalia | Faculty Coordinator |
| 4 | Mr.Dipak Sadiya | Faculty Coordinator |

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

# GLIMPSES OF PLACEMENT

## Placement 2021 - 2025 Batch

| Sr. No. | Student Name | Company Name |
|---|---|---|
| 1 | Darsh Makwana | Kevit |
| 2 | Krishna Balasara | ZignutsTechnolab |
| 3 | Janvi Rupapara | Weybee |
| 4 | Prushti Pithadiya | Sky9 I.T Craft |
| 5 | Jagnesh Tank | Tatvasoft |
| 6 | Khushi Patel | BizzAppDev Systems Pvt.Ltd. |
| 7 | Kashyap Vadgama | Solute Lab |
| 8 | Kruti Vachhani | Tatvasoft |
| 9 | Devisha Gajjar | Tatvasoft |
| 10 | Yash Koradia | Koops |
| 11 | Manan Shukla | Noovosoft |
| 12 | Shyam Pankhaniya | Tatvasoft |
| 13 | Suman Pankhaniya | Tatvasoft |
| 14 | Darshiniba Jadeja | Kevit |
| 15 | Gaurav Vadhavana | Weybee |
| 16 | Meet Chauhan | GNWebSoft |
| 17 | Mayank Parmar | Kevit |
| 18 | Sagar Chavda | Kevit |
| 19 | Drashti Ladva | Improwised Technologies |
| 20 | Bhautik Rakhasiya | Kevit |
| 21 | Riya Sata Sata | Kevit |
| 22 | Bhumir Kachhadiya | GNWebSoft |
| 23 | Santosh Kindarkhediya | Tatvasoft |

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

# GLIMPSES OF PLACEMENT

## Placement 2021 - 2025 Batch

| Sr. No. | Student Name | Company Name |
|---|---|---|
| 24 | Krupanshi Vaishnav | Improwised Technologies |
| 25 | Harsh Tank | Koops |
| 26 | Naitik Vala | Zignuts Technolab |
| 27 | Khushi Mehta | Kevit |
| 28 | Jaydev Dwivedi | Zignuts Technolab |
| 29 | Safin Sheikh | Kevit |
| 30 | Vaibhav Vadoliya | WebOccult |
| 31 | Kishan Baranwal | Sky9 I.T Craft |

# SPARKLING RESULTS OF DEPARTMENT

## BACHELOR OF ENGINEERING

**2nd Semester - Summer 2024** — **75.76%**

VISHAL PARMAR 9.86/10 SPI
MANSI KAMDAR 9.68 / 10 SPI
NETRA MONPARA 9.55/10 SPI

**4th Semester - Summer 2024** — **93.99%**

MAHEK KARIYA 9.57/10 SPI
ISHITA HARSURIYA 9.43/10 SPI
DIVYANSHIBEN AJUDIYA 9.43/10 SPI

**6th Semester - Summer 2024** — **92.31%**

YASH KORADIA 9.92/10 SPI
DEVISHA GAJJAR 9.70/10 SPI
JANVI RUPAPARA 9.65/10 SPI

**8th Semester - Summer 2024** — **100%**

KINNARI DHOLAKIYA 10/10 SPI
DEEP AKABARI 10/10 SPI
ISHA PARECHA 10/10 SPI

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

# ACHIEVEMENTS

| Sr. No. | Faculty Name | Faculty Participation Detail |
|---------|--------------|------------------------------|
| 1 | Dr. Tejas Patalia | Presented a research paper in National Conference of "Sustainable Water Solution for Saurashtra & Kutch Region " with title "Development of Efficient and Sustainable Water Supply Systems for the Lawn Using IOT" |
| 2 | Dr. Tejas Patalia | Reviewer in Journal of Computer Science (Scopus Journal) |
| 3 | Prof. Hetvi Kotak | Presented a research paper in National Conference of "Sustainable Water Solution for Saurashtra & Kutch Region " with title "Water purification using conventional methods with cutting-edge technologies" |
| 4 | Prof. Nirali Gondalia | Presented a research paper in National Conference of "Sustainable Water Solution for Saurashtra & Kutch Region " with title "Water purification using conventional methods with cutting-edge technologies" |
| 5 | Prof. Kaxa Domadia | Presented a research paper in National Conference of "Sustainable Water Solution for Saurashtra & Kutch Region " with title "Water purification using conventional methods with cutting-edge technologies" |
| 6 | Prof. Pooja Oza | Sustainable Water Solution for Saurashtra & Kutch Region Research Paper Water purification using conventional methods with cutting-edge technologies National Conference 8th Sepetember, 2024 |
| 7 | Prof. Amit Vyas | Member of Review Management System of International Journal of Engineering Development And Research |

# DEPARTMENTAL ACTIVITIES

- Department has arranged industrial visit at "EVITA" on 2nd July,2024 for 1st semester students.
- Department has arranged industrial visit at "Balaji Wafers" on 3rd July,2024 for 1st semester students.
- Department has arranged industrial visit at "Gopal Namkeen" on 4th July,2024 for 1st semester students.
- Department has arranged Skill Development workshop on "Explore Metaverse & Game Design with Unreal Engine" on 15th July,2024 for 3rd and 7th semester students.
- Department has arranged seminar on "GDSC & LinkedIn" on 16th July,2024 for 3rd and 7th semester students.
- Department has arranged seminar on "Design Engineering awareness" on 16th July,2024 for 3rd and 7th semester students.
- Department has arranged Skill Development workshop on "Career As a Flutter Developer" on 16th July,2024 for 3rd and 7th semester students.
- Department has arranged Skill Development workshop on "React JS" on 22 nd July,2024 for 5 th semester students.
- Department has arranged Skill Development workshop on "Project Workflow, Java with GUI Development" on 23rd July,2024 for 5th semester students.
- Department has arranged seminar on "Website Development On WIX Platform" on 23 rd July,2024 for 5 th semester students.
- Department has arranged seminar on "Study in Aborad" on 24th July,2024 for 5th and 7th semester students.
- Department has arranged seminar on "Cyber Crime Awareness" on 7th August,2024 for 3rd and 5th semester students.
- Department has arranged seminar on "Machine Learning & Deep Learning" on 12th August,2024 for 5th and 7th semester students.
- Department has arranged industrial visit at "Rajkot Nagarik Sahakari Bank Ltd" on 17th September,2024 for 5th semester students.
- Department has arranged industrial visit at "Rajkot Nagarik Sahakari Bank Ltd" on 18th September,2024 for 5th semester students.
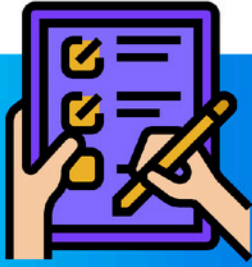
Department of Computer Engineering, V.V.P. Engineering College

# DEPARTMENTAL ACTIVITIES

- Department has arranged industrial visit at "Rajkot Nagarik Sahakari Bank Ltd" on 19th September,2024 for 5th semester students.
- Department has arranged seminar on "Implementation of MOOCs and Integration of Skill-based Courses for Undergraduate Engineering (UG) Programs" on 27th July,2024 for 1st semester students.
- Department has arranged industrial visit at "Arena Animation" on 1st October,2024 for 3rd semester students.
- Department has arranged industrial visit at "Arena Animation" on 3rd October,2024 for 3rd semester students.
- Department has arranged industrial visit at "Arena Animation" on 4th October,2024 for 3rd semester students.
- Department has arranged Skill Development workshop on "Digital Marketing and Search Engine Optimization" on 19 th December,2024 for 4th semester students.
- Department has arranged seminar on "Career Opportunities through "GATE" on 27th December,2024 for 5th semester students.

# EVITA INDUSTRIAL VISIT



**Activity type** : Industrial Visit          **Date** : 02-07-2024

**Conducted by** : Mr. Sarnam Rana
                  (Admin person)

**Content Delivered**

To provide students an insight into the internal working of companies in the corporate world and hardware application, automation, and advanced computing.

**Give Complete Information about:**

- Explained students about company's work.
- Students visited the company premises.
- The role of software and hardware    systems in controlling the production process
- The use of sensors, embedded systems, and real-time data acquisition systems in manufacturing
- 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.

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

# BALAJI WAFERS INDUSTRIAL VISIT





**Activity type** : Industrial Visit        **Date** : 03-07-2024
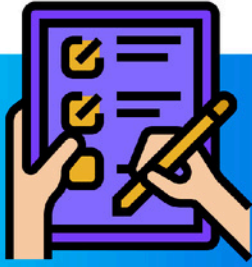
**Conducted by** : Mr. Darsh Barad
(Marketing Person)

**Content Delivered**

To provide students an insight into the internal working of companies in the corporate world and hardware application, automation, and advanced computing.

**Give Complete Information about:**

- Project Team explained work of company in projector and interact with student.
- Students visited the company premises.
- Latest technologies and tools being used in the industries.
- The use of embedded systems and real-time data management manufacturing.
- Answered the queries of the students.
- Students participated in the various activities conducted by the team.

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

# GOPAL NAMKEEN INDUSTRIAL VISIT



**Activity type** : Industrial Visit      **Date** : 04-07-2024

**Conducted by** : Mr. Kinjal J. Pandit
(HR Manager)

**Content Delivered**

To provide students an insight into the internal working of companies in the corporate world and hardware application, automation, and advanced computing.

**Give Complete Information about:**

- Company's work.
- Students visited the company premises.
- How Software and hardware useful in production
- Guided the students about the latest technologies and tools being used in theindustries.
- Role of sensors, embedded systems, and real-time data acquisition systems in manufacturing
- Answered the queries of the students.
- Students participated in the various activities conducted by the team.

# WORKSHOP ON EXPLORE METAVERSE & GAME DESIGN WITH UNREAL ENGINE



**Activity type** : Skill Development Workshop     **Date** : 15-07-2024

**Conducted by** : Mr. Amar Trivedi
(Asst. General Manager Academic Expert (AVGC) Aptech Ltd.)

## Content Delivered

The workshop focused on Photogrammetry for creating 3D models, the Metaverse in Unreal Engine for building immersive virtual environments, and Live Chroma in Unreal Engine for real-time green screen integration. These skills enhance capabilities in gaming, virtual production, and media innovation.

A skill development workshop conducted by Mr. Amar Trivedi provided valuable insights into cutting-edge technologies. The seminar covered Photogrammetry, focusing on transforming real-world objects into accurate 3D models, the Use of Metaverse in Unreal Engine for creating immersive virtual environments, and Live Chroma in Unreal Engine, showcasing real-time green screen integration techniques. This workshop empowered students with practical skills for applications in gaming, virtual reality, and media production.

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

# INTRODUCTION TO GDSC & LINKEDIN



**Activity type** : Seminar                    **Date** : 16-07-2024

**Conducted by** : Prof. Rahul Vora
(Assistant Professor, Department of Computer Engineering, VVP Engineering College)
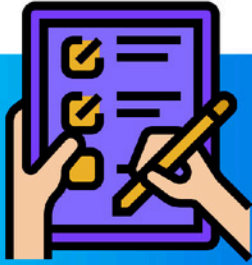
## Content Delivered

The seminar aims to raise awareness about Google Developer Students Club (GDSC) and help participants create professional LinkedIn profiles, enhancing their networking skills and career opportunities.

The seminar, conducted by Prof. Rahul Vora, focused on creating awareness about the Google Developer Students Club (GDSC), highlighting its resources and opportunities for students to enhance their technical and collaborative skills. Additionally, it provided insights into building a professional LinkedIn profile to strengthen online presence, connect with industry professionals, and expand career prospects.

Students learned about the opportunities provided by GDSC and gained skills to create professional LinkedIn profiles, enhancing their networking abilities and career prospects.

# INTRODUCTION TO DESIGN ENGINEERING AWARENESS



**Activity type** : Seminar                     **Date** : 16-07-2024

**Conducted by** : Prof. Nikhilesh Girnara

(Assistant Professor, Department of Computer Engineering, VVP Engineering College)

**Content Delivered**

The objective of the seminar is to provide basic awareness of Design Engineering and its importance, inspiring students to develop innovative ideas and implement them effectively in project-based learning.

The seminar, conducted by Prof. Nikhilesh Girnara, introduced participants to the fundamentals and significance of Design Engineering. It emphasized fostering creativity and innovation in project development, guiding students on how to conceptualize and implement unique ideas effectively within engineering projects.

Students gained foundational knowledge of Design Engineering and its importance, along with practical insights to develop innovative ideas and apply them effectively in engineering projects.

# WORKSHOP ON CAREER AS A FLUTTER DEVELOPER



**Activity type** : Workshop

**Conducted by** : Mr. Jaykishan Lathigara
(Founder & MD at White Label Fox Pvt. Ltd.)

Mr. Hardik Talaviya
(Sr Tech Lead at Flutter Development Team)

**Date** : 16-07-2024

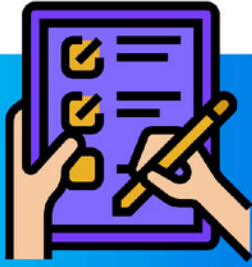Mrs. Vishakha Lathigara
(HR Department)

Mr. Ridham Nimavat
(Flutter Developer)

**Content Delivered**

The objective of a Flutter workshop is to provide participants with a hands-on understanding of Flutter, enabling them to build cross-platform mobile applications using a single codebase.

**Give Complete Information about:**

- What is Flutter and how it is evolved.
- How Flutter works and its benefits.
- Learn how to build the Flutter app for Android and iOS.
- Learn how to debug and troubleshoot common Flutter app issues.
- Examples of Flutter Code and its demo.
- Learn about Dart, the programming language used in Flutter
- Job Opportunity for the Flutter Developer.

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

## WORKSHOP ON REACT JS
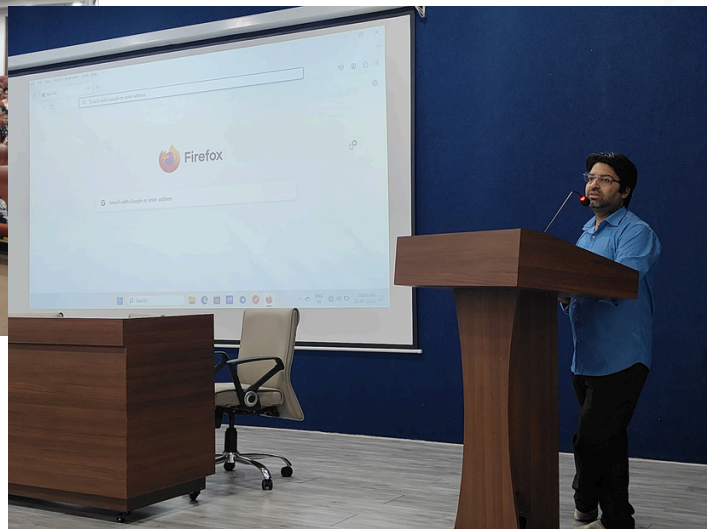


**Activity type** :  Workshop

**Date** : 22-07-2024

**Conducted by** : Mr. Brijesh Pandey
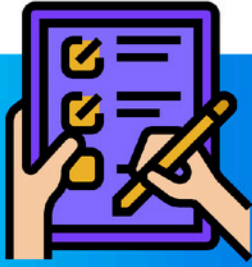                           (Sr. Software Engineer)

### Content Delivered

It aim to equip participants with the knowledge and hands-on experience to become proficient in building modern, dynamic, and scalable web applications using React.

Give Complete Information about:

- Introduce React JS Fundamentals
- Hands-on Coding Experience
- Understand React's Advanced Features
- Best Practices and Performance Optimization
- Deploying React Applications
- Create Real-World Applications
- Answered the queries of the students.

By the end of the workshop, participants should have a solid understanding of React JS and be able to create, test, and deploy their own React applications.

# WORKSHOP ON PROJECT WORKFLOW  JAVA WITH GUI DEVELOPMENT
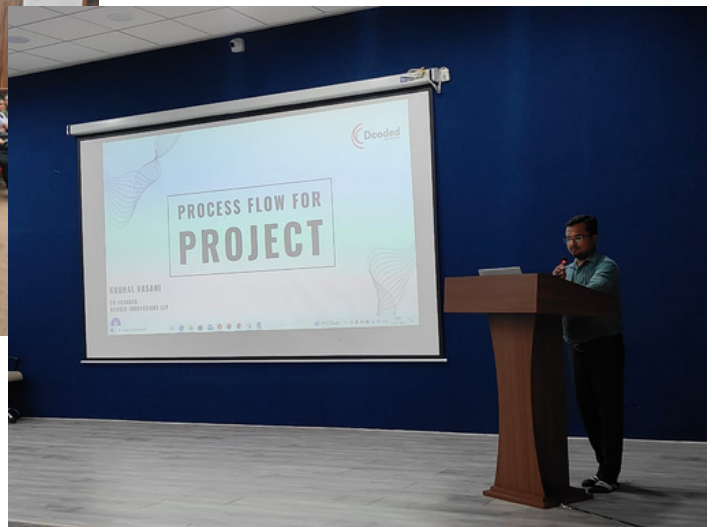


**Activity type** :  Workshop                    **Date** : 23-07-2024
**Conducted by** : Mr. Krunal Vasani
            (Co-founder of Dcoded Innovations, Rajkot)

## Content Delivered

Session was based on project workflow and steps of how to develop the project. Important of Java technology and how to work with java with GUI familiars.

## Give Complete Information about:

- Overview of GUI development in Java and the tools available (Swing, JavaFX).
- Understanding GUI components and Layout managers and designing responsive UIs.
- Setting up the development environment (IDE configuration, JDK setup).
- To guide students to work on developing a small Java project with GUI.
- Applying principles of good UI design for usability and accessibility.
- Connecting the front-end UI to backend logic using Java classes and methods.
- Emphasis on applying the workflow from design to implementation and deployment.

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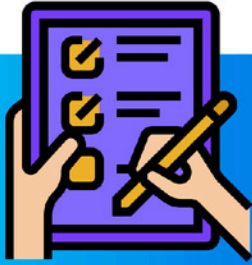
## INTRODUCTION TO WEBSITE DEVELOPMENT ON WIX PLATFORM



**Activity type** : Seminar                    **Date** : 23-07-2024

**Conducted by** : Kunj Depani & Hima Sutaria
(2021 Passout Alumni and CoFounder of Tetrad DigiTech.)

### Content Delivered

The goal of this seminar is to provide participants with a comprehensive understanding of website development on the **Wix platform**, equipping them with the knowledge and practical skills to create, design, and manage professional websites
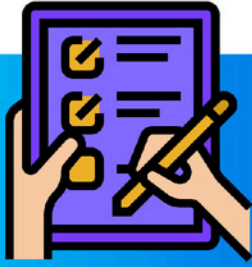
### Give Complete Information about:

- Understand Wix's Core Features
- Learn Website Design Principles
- Create Websites from Scratch
- Utilize Wix Tools for Advanced Features
- Ensure Website Performance and Maintenance
- Introduce Wix's Support and Resources
- Encourage Creativity and Personalization
- Answered the queries of the students.

By the end of the seminar, participants should be able to confidently create, manage, and optimize websites on Wix for various personal or professional purposes.

# INTRODUCTION TO STUDY IN ABORAD



**Activity type** : Seminar                          **Date** : 24-07-2024

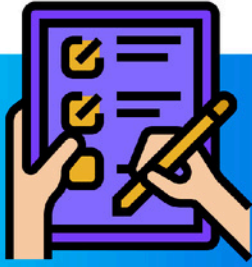**Conducted by** : Mr. Imran
                    (KC Overseas)

### Content Delivered

To guide the students about pursuing education in a foreign country and scope of it. So that students can understand how to plan and prepare for studying abroad.

### Give Complete Information about:

- To provide students with the information and resources needed to pursue higher education in a foreign country.
- To choose the right study destination, understanding the application and admission process, preparing for visa and immigration requirements, and exploring available scholarship opportunities.
- It also addresses practical aspects of studying abroad, such as managing finances, adapting to a new culture, and navigating academic expectations in different countries.
- To equip participants with the knowledge and confidence to plan their study abroad experience successfully.

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

## INTRODUCTION TO CYBER CRIME AWARENESS





**Activity type** : Seminar

**Conducted by** : Miss. Hiral Patadiya
(Cyber Volunteer)

**Date** : 07-08-2024

Mr. Gopalbhai Jagubhai Goriya
Mr. Yuvarajshinh Prabhatshinh Mori
(Police Constable)

### Content Delivered

The seminar aims to educate individuals on the various types of cybercrimes, the risks associated with online activities, and how to protect themselves from becoming victims. Participants will gain practical knowledge on preventing cyber threats, understanding legal implications, and responding to cybercrimes effectively.

**Give Complete Information about:**

- Explained students about Introduction of Cyber Crime
- Explain Common Cyber Threats
- Explained students about Legal Aspects of Cyber Crime
- Explain students about How to Respond to a Cyber Incident
- Answered the queries of the students.

A set of practical tips for online safety. Knowledge of how to recognize and avoid common online threats. Resources for reporting and dealing with

# INTRODUCTION TO MACHINE LEARNING & DEEP LEARNING IN GREEN HYDROGEN AND CARBON FREE ENVIRONMENT



**Activity type** : Seminar          **Date** : 12-08-2024

**Conducted by** : Dr. Yagnesh Shukla
(Atmiya University and Proff & Professor)
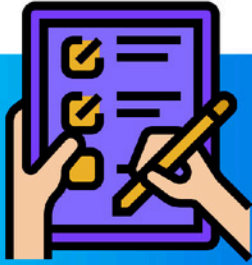
## Content Delivered

To provide insights into the latest advancements in these rapidly evolving fields. The seminar aimed to educate participants on the fundamental concepts, applications, and emerging trends in ML and DL, as well as how they are transforming industries such as healthcare, finance, and technology.

**Give Complete Information about:**

- Explained students about Introduction of ML/DL.
- Provide Key Differences Between ML and DL
- Explained students about Challenges and Considerations of ML/DL
- Explain students about latest Trends and Research in ML/DL
- Demonstrate the real time application of ML/DL.
- Answered the queries of the students.

This seminar helps students to Increased Knowledge of ML and DL Concepts. It provides Hands-on Experience and Practical Applications of ML/DL. It provides Insights into Career Opportunities.

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

# INDUSTRIAL VISIT AT RAJKOT NAGARIK SAHAKARI BANK LIMITED



**Activity type** : Industrial Visit          **Date** : 17-09-2024

**Conducted by** :  Yatin Upadyay
                    (IT Expert)

## Content Delivered

To provide students an insight into the internal working of Network and devices of Server Room.

**Give Complete Information about:**

- Students learnt about the bank's data storage, network systems, and security measures.
- Understanding the types of servers used to manage banking data, customer transactions, and account information.
- Insights into how RNSB ensures the security and integrity of sensitive financial data through encryption, firewalls, and backup systems.
- A look at the measures in place to ensure business continuity in case of system failures or emergencies.
- Answered the queries of the students.
- Understanding the role of internal and external networks in ensuring smooth communication and transaction processing.

# INDUSTRIAL VISIT AT RAJKOT NAGARIK SAHAKARI BANK LIMITED



**Activity type** : Industrial Visit          **Date** : 18-09-2024

**Conducted by** :  Yatin Upadyay
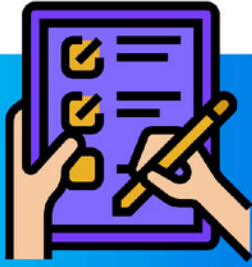                 (IT Expert)

## Content Delivered

To guide the students about the internal working of Network and devices of Server Room.

**Give Complete Information about:**

- Students learnt about the bank's data storage, network systems, and security measures.
- They explained the types of servers used to manage banking data, customer transactions, and account information.
- Described that how RNSB ensures the security and integrity of sensitive financial data through encryption, firewalls, and backup systems.
- Disaster Recovery measures in place to ensure business continuity in case of system failures or emergencies.
- It helped to comprehend the role of internal and external networks in ensuring smooth communication and transaction processing.
- Responded the queries of the students.

Students had great learning experience about internal working of the RNSB Server room, network connectivity and network devices.

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

# INDUSTRIAL VISIT AT RAJKOT NAGARIK SAHAKARI BANK LIMITED



**Activity type** : Industrial Visit          **Date** : 19-09-2024

**Conducted by** :  Yatin Upadyay
                          (IT Expert)

## Content Delivered

To impart students about the internal working of Banking Network and devices of Server Room.

**Give Complete Information about:**

- Students learnt about the bank's data storage, network systems, and security measures.
- Emphasize the types of servers used to manage banking data, customer transactions, and account information.
- A Look into how RNSB ensures the security and integrity of sensitive financial data through encryption, firewalls, and backup systems.
- To ensure business continuity in case of disaster recovery or emergencies.
- To know the role of internal and external networks in ensuring smooth communication and transaction processing.
- Replied to the queries of the students.

Students gained knowledge about the internal working of the RNSB Server room, networkconnectivity and network devices.

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

# INTRODUCTION TO IMPLEMENTATION OF MOOCS AND INTEGRATION OF SKILL-BASED COURSES FOR UNDERGRADUATE ENGINEERING (UG) PROGRAMS



**Activity type** : Seminar　　　　　　　　**Date** : 27-09-2024

**Conducted by** : Dr. Tejas Patalia
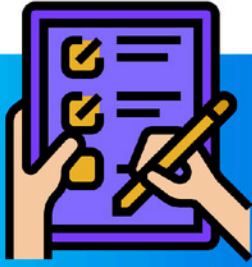(HOD Computer Engineering,V.V.P College)

## Content Delivered

It could be framed around addressing the current needs of engineering education, which increasingly emphasizes both theoretical knowledge and practical skills. It understand the significance of MOOCs in the context of modern engineering education and their potential to supplement traditional learning.

**Give Complete Information about:**

- Discuss the importance of incorporating practical, industry-relevant skills alongside theoretical coursework in engineering programs.
- Explore innovative ways to integrate interdisciplinary skill-building courses into engineering programs to adapt to the evolving demands of the global job market.
- Different platforms available for online courses.
- Different courses available on these platform.
- Answered the queries of the students.

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

# INDUSTRIAL VISIT AT ARENA ANIMATION



**Activity type** : Industrial Visit          **Date** : 01-10-2024

**Conducted by** :  Mr. Gunjan Vala
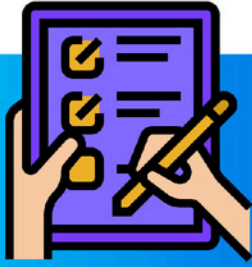                  (Manager of Arena Animation)

**Content Delivered**

To provide students with insights into the company's work culture, infrastructure, and recent projects.

The industrial visit offered students an immersive experience in the dynamic workplace environment. A company representative shared valuable insights into the organization's operations and ongoing projects, sparking meaningful discussions that enhanced their understanding of the industry. Engaging demonstrations showcased the company's innovative advancements. The visit concluded with an interactive session led by an HR representative, who provided valuable perspectives on career opportunities and company culture, inspiring students to envision their future.

Students gained firsthand experience of the company's work culture, along with valuable insights into its ongoing projects and advanced technologies.

## INDUSTRIAL VISIT AT ARENA ANIMATION



**Activity type** : Industrial Visit          **Date** : 03-10-2024

**Conducted by** :  Mr. Gunjan Vala
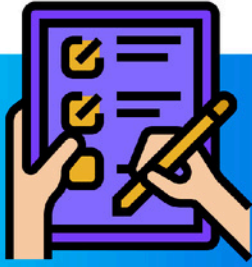                 (Manager of Arena Animation)

**Content Delivered**

To offer students a deeper understanding of the company's work culture, infrastructure, and recent projects.

The industrial visit began with students immersing themselves in the dynamic workplace environment. A company representative shared valuable insights into the organization's operations and current projects, sparking interactive discussions that broadened their understanding of the industry. Engaging demonstrations showcased the company's innovative technologies. The visit concluded with an interactive session with an HR representative, who provided an overview of career opportunities and the company's culture, inspiring students to envision their future paths in the industry.
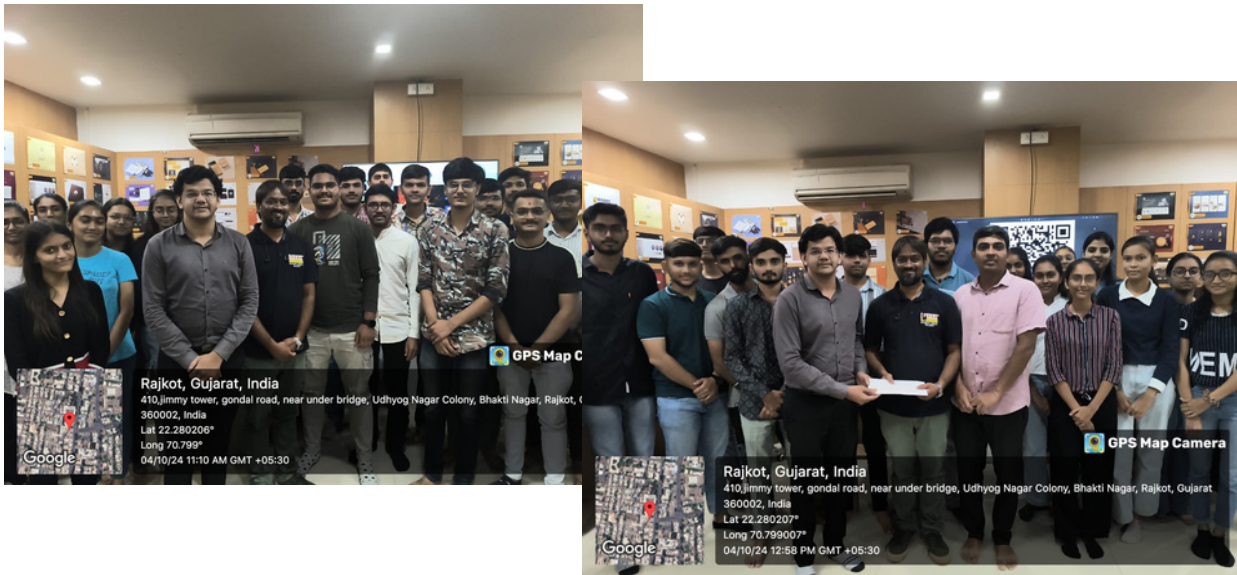
Students had firsthand experience of the company's work culture, gaining valuable insights into its current projects and state-of-the-art technologies.

## INDUSTRIAL VISIT AT ARENA ANIMATION



**Activity type** : Industrial Visit          **Date** : 04-10-2024

**Conducted by** :  Mr. Gunjan Vala
                    (Manager of Arena Animation)

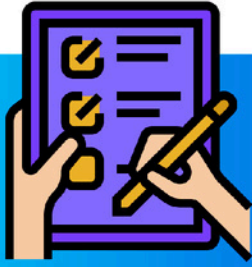**Content Delivered**

Students had firsthand experience of the company's work culture, gaining valuable insights into its current projects and state-of-the-art technologies.

The industrial visit started with students immersing themselves in the lively workplace atmosphere. A company representative offered key insights into the company's operations and ongoing projects, encouraging thought-provoking discussions that deepened their industry knowledge. Engaging demonstrations showcased the company's innovations. The visit wrapped up with an interactive session led by an HR representative, who shared information on career opportunities and the company culture, motivating students to picture their future in the industry.

Students had the opportunity to experience the company's work culture firsthand, while gaining valuable insights into its current projects and innovative technologies.

# WORKSHOP ON DIGITAL MARKETING AND SEARCH ENGINE OPTIMIZATION



**Activity type** : Workshop

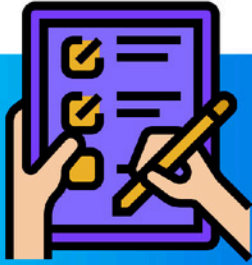**Conducted by** : Mr. Ramesh Samatiya
(Founder)

**Date** : 19-12-2024

## Content Delivered

It has the primary objective of equipping participants with the knowledge, tools, and techniques necessary to effectively promote products, services, or content online. It Provide a comprehensive overview of digital marketing concepts, including key areas such as social media marketing, content marketing, email marketing, online advertising and analytics.

## Give Complete Information about:

- Understanding Digital Marketing
- Mastering Search Engine Optimization (SEO)
- Keyword Research and Content Strategy
- Utilizing SEO Tools and Analytics
- Building and Implementing a Digital Marketing Strategy
- Improving Website User Experience (UX) for SEO
- Practical Applications and Case Studies
- Staying Updated on SEO Trends and Algorithm Changes
- Answered the queries of the students.

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

## INTRODUCTION TO CAREER OPPORTUNITIES THROUGH "GATE"



**Activity type** : Seminar

**Conducted by** : Mr.Mrunal Shah

(Acumen GATE Academy(Vadodara))

**Date** : 27-12-2024

### Content Delivered

The Objective of this seminar would be to inform and guide students about the potential career paths that can be pursued after successfully clearing the GATE

**Give Complete Information about:**

- Introduction to GATE
- Career Pathways Post-GATE
- Detail the various public sector enterprises (PSUs) that recruit through GATE and the roles they offer.
- Discuss opportunities for pursuing M.Tech or M.S. from top institutions in India and abroad.
- Focus on career opportunities in research through GATE, including Ph.D. programs and R&D positions.
- Suggest the skills and technical expertise needed to excel in GATE and related career paths.

This seminar would be valuable for engineering students aiming to understand how the GATE exam can open doors to numerous career opportunities in both the public and private sectors.

Department of Computer Engineering, V.V.P. Engineering College
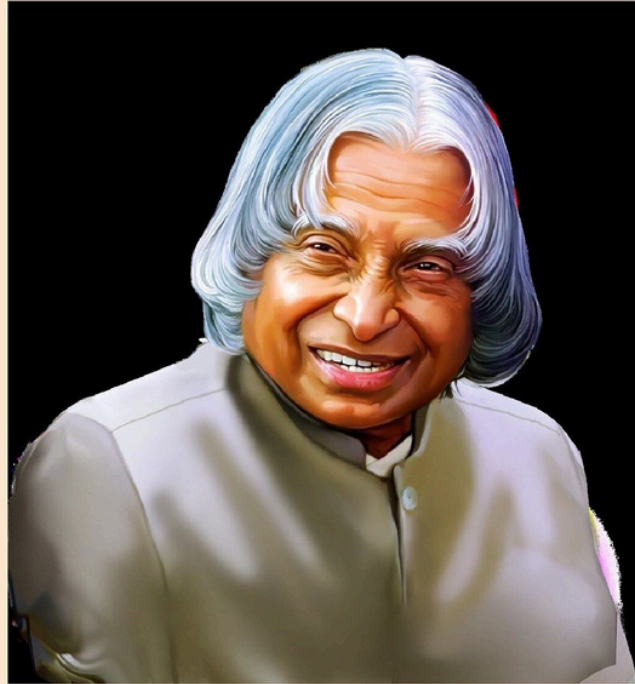
"Education is the most powerful weapon which you can use to change the world."

- 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
જય

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

राष्ट्राय स्वाहा इदं न मम ।

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