



**ZEAL**  
INSTITUTES

www.zealeducation.com  
NARHE | PUNE | INDIA



ESTD-1996

# ZEAL POLYTECHNIC

DEPARTMENT OF COMPUTER ENGINEERING



# NEWS LETTER

ISSUE I

A.Y. 2024-2025

Presenting, 'Issue I' of half yearly departmental NEWSLETTER that consists of events, achievements, moments and much more...

## Principal's Message



### **PROF. AYUB A. TAMBOLI**

Ph. D (Pursuing), ME(HPE), BE(Mechanical Engg.) ASHRAE, AWS, ISHRAE, MISTE, IE(I),  
Principal, Zeal Polytechnic, Pune

We provide best platforms to budding engineers to acquire technical knowledge, motor skills and soft skills which are utmost demands of the industry. Uniqueness of our institute is a caring, nurturing culture that recognizes the various aspects of each student and encourages them to bloom to their fullest with confidence.

We are also committed to very good quality of teaching-learning process with having maintained high grade discipline among the staff and students and to achieve sky-scraping point superiority in academic by maintaining a conducive atmosphere for studies, state-of art laboratories communication center and digital library. MOUs have been signed with reputed organization to impart cutting edge technologies through extensive courses.

In another view, we aim at development of our student at different levels by the proper encouragement, guidance, support and generation of in-house recourses for sports, cultural, yoga, meditation etc followed by giving them a confidence to feel free at home. These efforts have resulted in more placements and we are keen to argument it further. We are quite self-assured for the molding and nurturing of our students as a young, bright, dynamic, talented & professional technocrats and a responsible gentle citizen by raising the our actions to at high quality technical education.

## H.O.D.'s Message



### **PROF. VIJAY MOHITE**

ME (Computer), LMISTE Head of Department,  
Computer Engineering,  
Zeal Polytechnic, Pune

The Department of Computer Engineering has been established in the year 2008. Being the HOD it gives me immense pleasure to lead the department and be an integral part of its accomplishments. The department is striving hard towards the goal of providing innovative and quality education with high standard to achieve academic excellence.

Our department offers science-based engineering curriculum to the students to pursue their interest. The primary focus of our curriculum is to impart technical know-how to students, promote their problem-solving skills and innovation of new technologies. The course contents are periodically updated for introducing new scientific and technological developments. Our faculty members have excellent academic credentials and are highly regarded. I welcome you to the Computer Department as an undergraduate and hope to be part of your success.

## About Zeal Polytechnic, Pune.

Zeal Polytechnic, situated in the vibrant city of Pune, stands as a beacon of excellence in technical education. Established with a vision to nurture budding talents and shape them into skilled professionals, our institution has been a cornerstone of learning and innovation since its inception.

At Zeal Polytechnic, we take pride in our commitment to academic rigor and innovation. Our comprehensive range of diploma courses in engineering and technology is designed to meet industry standards, blending theoretical knowledge with hands-on practical experiences. Our curriculum is constantly updated to keep pace with the rapidly evolving technological landscape, ensuring our students are well-prepared for the challenges of the future.

The institution has a dedicated placement cell that works tirelessly to connect students with reputable companies for internships and placements. We provide career guidance and counseling, empowering students to make informed decisions and excel in their chosen career paths.

At Zeal Polytechnic, we strive to create an environment that fosters innovation, creativity, and ethical values, preparing our students to become leaders and contributors to society.



## About Computer Department

The Computer Engineering Department at Zeal Polytechnic, Pune, is at the forefront of technological innovation, shaping future leaders in the dynamic field of computing.

Our department is dedicated to providing a comprehensive education that blends theoretical foundations with hands-on practical experience. The curriculum is thoughtfully crafted to align with industry standards and emerging technological trends, ensuring our students are well-equipped to tackle real-world challenges.

Our faculty comprises experienced professionals and educators who bring a wealth of knowledge and industry insights to the classroom. We foster a culture of continuous learning and engagement, encouraging students to interact with industry experts through seminars, workshops, and collaborative projects.

The department boasts state-of-the-art laboratories and advanced computing facilities that provide an ideal environment for experimentation and innovation. These resources enable students to delve into various domains such as software development, networking, cybersecurity, artificial intelligence, and more.

We encourage a spirit of inquiry and innovation among our students, supporting research initiatives and projects that drive technological advancements. Students have opportunities to participate in research activities, allowing them to explore new frontiers in the world of computer engineering.

The department's placement cell is committed to facilitating internships and placements for students in esteemed organizations. Additionally, we offer career guidance and counseling to empower students in making informed decisions about their professional journeys.

Beyond academics, the department encourages students to participate in extracurricular activities, technical clubs, hackathons, and seminars. This holistic approach aims to develop well-rounded individuals with a passion for innovation and a strong foundation in computer engineering.

Our alumni network comprises accomplished professionals who have made significant contributions in various industries. They remain an integral part of our community, offering guidance and opportunities to current students.

At the Computer Engineering Department of Zeal Polytechnic, we foster creativity, innovation, and excellence in the world of technology.





### Vision of the Department

To equip the students with technical and professional skills in Computer Engineering by imparting skill based education along with industrial knowledge to fulfill the changing needs of the society.



### Mission of the Department

M1. To equip the students with technical and professional skills in Computer Engineering by imparting skill based education along with industrial knowledge to fulfill the changing needs of the society.

M2. To imbibe lifelong learning skills through hands on training, value added courses to work in multi disciplinary socio- industrial environment.

M3. To cultivate proficiency in problem-solving, communication skills and spirit of entrepreneurship as an individual and collaborative team member.

## Program Educational Objectives (PEOs)

PEO 1: Provide socially responsible, environment friendly solutions to Computer engineering related broad-based problems adapting professional ethics.

PEO 2: Adapt state-of-the-art Computer engineering broad-based technologies to work in multidisciplinary work environments.

PEO 3: Solve broad-based problems individually and as a team member communicating effectively in the world of work.

## Program Specific Outcomes (PSOs)

PSO 1: Computer Software and Hardware Usage: Use state-of-the-art technologies for operation and application of computer software and hardware.

PSO 2: Computer Engineering Maintenance: Maintain computer engineering related software and hardware systems.

## ALUMNI CONTRIBUTION GUEST LECTURE ON - CAREER DEVELOPMENT PROGRAM

On 10th August 2024, the Department of Computer Engineering organized a Career Development Program aimed at guiding students in their professional journeys. The event featured two distinguished speakers: Mr. Krishna Bhosle, a Software Engineer at UBS, and Mr. Kashinath Vhanmane, a Senior Software Engineer at Persistent Systems. Both industry experts shared their insights on career opportunities, skills development, and navigating the tech industry. The program provided students with valuable information on how to prepare for successful careers in software engineering. The speakers discussed essential skills, industry trends, and practical advice for budding professionals.

### ▪ **Industry Insights:**

Mr. Bhosle shared his experiences at UBS, emphasizing the importance of adapting to new technologies and continuous learning. He highlighted current trends in the financial technology sector and how students can align their skills with industry needs.

### ▪ **Essential Skills for Success:**

Mr. Vhanmane focused on the critical skills that employers look for in software engineers. He discussed the significance of programming languages, software development methodologies, and soft skills like teamwork and communication. Both speakers stressed the value of hands-on experience through internships and projects to enhance employability.

### ▪ **Career Pathways:**

The speakers provided an overview of various career paths within software engineering, from development to testing and project management. They encouraged students to explore different roles and find their niche within the tech industry.

### ▪ **Networking and Professional Growth:**

Mr. Bhosle and Mr. Vhanmane emphasized the importance of networking in career development. They shared tips on how to build professional relationships, engage in industry events, and utilize platforms like LinkedIn to connect with potential employers and mentors. The program concluded with an interactive Q&A session, where students engaged with the speakers, asking questions about career choices, interview preparation, and industry expectations. The speakers provided candid responses and practical tips, creating an open dialogue that benefited all attendees.

The Career Development Program was a valuable experience for students, offering insights into the software engineering field and essential guidance for their professional growth. Mr. Krishna Bhosle and Mr. Kashinath Vhanmane's expertise and real-world experiences provided students with the tools and motivation to navigate their future careers successfully. The Department of Computer Engineering looks forward to organizing more such programs to support students in their career journeys.





## **EXPERT LECTURE ON QA CONCEPTS & TESTING TOOLS: OPPORTUNITIES FOR COMPUTER ENGINEERS IN SOFTWARE TESTING**

On 17th August 2024, the Department of Computer Engineering hosted an informative session titled “QA Concepts & Testing Tools and Opportunities for Computer Engineers in the Field of Software Testing.” The guest speaker, Mr. Deepak Kamble, a Software Test Specialist from Amdocs, shared his expertise on the evolving field of Quality Assurance (QA) and software testing, offering students a thorough understanding of the career opportunities available in this crucial domain. The seminar focused on the significance of QA in ensuring high-quality software products and explored the various testing tools and techniques employed in the industry today. Mr. Kamble emphasized the importance of software testing as a critical part of the software development lifecycle (SDLC) and its role in delivering reliable, bug-free products.

### **QA Concepts and Methodologies:**

Mr. Kamble began by explaining the foundational principles of QA, differentiating between manual and automated testing. He highlighted various testing methodologies such as black-box testing, white-box testing, regression testing, and acceptance testing. Students were introduced to the stages of testing from unit testing to integration, system, and user acceptance testing (UAT), outlining the different levels at which QA ensures quality.

### **Introduction to Testing Tools:**

A detailed discussion on testing tools followed, where Mr. Kamble demonstrated the importance of tools like Selenium for automation, JIRA for bug and defect tracking, and LoadRunner for performance testing. He elaborated on how these tools streamline the testing process, making it more efficient and thorough. The session also covered the benefits of automation testing, such as faster test execution, reduced manual intervention, and improved accuracy, especially in large-scale projects.

## Automation vs. Manual Testing :

A key focus of the seminar was on automation in QA. Mr. Kamble explained how automation testing is rapidly gaining prominence in the software industry due to its ability to increase the speed of testing cycles and handle repetitive tasks with ease. However, he also highlighted the continued relevance of manual testing, particularly for exploratory testing and scenarios requiring human intuition and creativity.

## Career Opportunities in Software Testing:

Mr. Kamble emphasized the increasing demand for QA professionals in various industries, from tech to finance and healthcare. He provided an overview of career roles within software testing, such as QA engineer, test automation engineer, performance tester, and test lead. He also discussed the growing importance of certifications like ISTQB (International Software Testing Qualifications Board) for advancing in this field. Mr. Kamble encouraged students to develop skills in scripting languages like Python and Java, as well as to gain hands-on experience with automation frameworks and tools, which are becoming vital in the job market.

## The Future of Software Testing:

Looking ahead, Mr. Kamble touched on the future trends in QA, including the integration of Artificial Intelligence (AI) and machine learning in testing processes. He spoke about AI's potential to automate more complex test scenarios, predict failures, and improve the overall efficiency of testing systems. He advised students to stay informed about these emerging technologies as they could redefine the future of QA.



## TEACHERS DAY

Teacher's Day is always a special occasion, and this year's celebration on 5th September was no exception. The event was organized to honor and appreciate the relentless efforts of our teachers in shaping the minds of students and guiding them towards success. The celebration began with a heartwarming ceremony where students presented teachers with beautifully crafted cards, flowers, and tokens of appreciation, expressing their gratitude for the constant support and mentorship they receive.

The day was filled with a series of performances, including skits, songs, and dances prepared by the students. Each performance was a reflection of the students' love and respect for their teachers, and the atmosphere was one of joy, camaraderie, and mutual admiration. Teachers also participated in fun games organized by the student body, which added a light-hearted touch to the celebrations, with everyone enjoying the laughter and good spirits.

A speech was given by the head of the institution, emphasizing the indispensable role that teachers play in the development of society, and thanking them for their dedication and passion. The event also included a small award ceremony to recognize the contributions of exceptional teachers who have gone above and beyond in their roles, fostering academic excellence and holistic development in students.

The day concluded with a grand luncheon where teachers and students bonded over shared conversations, making it not just a day of celebration, but also a day of reflection on the important relationship between teachers and students. Teacher's Day 2024 was a reminder of the profound impact that educators have on our lives, inspiring everyone to work together towards continued growth and success.



## ACES COMMITTEE FORMATION

On 5th September 2024, alongside the Teacher's Day celebration, our institution took a significant step towards fostering academic excellence and student engagement by forming the ACES Committee (Academic Committee for Excellence and Student Success). The formation of this committee marked a new era in student involvement and collaborative academic development, aiming to create a bridge between students and faculty.

The ACES Committee is designed to empower students to take an active role in shaping their academic experience. Comprising selected student leaders and faculty advisors, the committee's main objectives are to organize academic events, foster student-led initiatives, and ensure that the curriculum remains dynamic and responsive to the evolving needs of the student body. Through this platform, students can contribute ideas for workshops, seminars, and competitions that not only enhance learning but also promote leadership and innovation. During the formation ceremony, the principal delivered an inspiring speech, highlighting the significance of student participation in academic governance and how the ACES Committee would drive student success. Faculty members expressed their enthusiasm for working closely with students, while the newly selected committee members shared their commitment to enhancing the academic environment for all.

The ACES Committee is poised to play a pivotal role in the academic life of the institution, creating a vibrant and supportive space where students can collaborate, innovate, and thrive. The launch of this committee is a testament to the institution's dedication to nurturing the next generation of leaders and thinkers.



## INDUSTRIAL VISIT REPORT: SUMAGO INFOTECH PRIVATE LIMITED

On 14 September the industrial visit commenced with a warm and enthusiastic welcome to the students and faculty members. Spanning from 10:30 AM to 2:00 PM, the visit was meticulously organized to ensure all 200 second-year and third year students, along with their 5 faculty members, felt comfortable and were well-informed about the day's schedule. Sumago Infotech Pvt. Ltd. staff facilitated the initial introductions and provided a detailed agenda for the day.

The session began with an insightful introduction to Sumago Infotech Pvt. Ltd., led by key representatives Sonali Adhav, Chief Executive Officer, and Sudhir Gorade, Chief Growth Officer. They outlined the company's history, mission, and vision: "We aspire to be the global sourcing choice of the global market and revolutionize service processes. Our goal is to make IT a tool for both the 'Masses' and the 'Classes', creating innovative solutions and building relationships based on Trust, Values, and Professionalism company aim to provide effective, affordable services that meet customer needs and budgets, offering customized websites and software solutions. it involve customers throughout the process, from design to deployment, to incorporate their ideas into our work." The focus shifted to exploring current technology trends, including artificial intelligence, machine learning. The discussion highlighted how these trends are shaping the industry and the diverse job opportunities they create. Sumago Infotech specializes in various domains such as Web Development, Mobile Application, Digital Marketing, IT Consulting, IT Solutions, Project Management, Data Analytics, Resource Augmentation, Block chain, AI, Outsourcing Engagement, and IoT, showcasing the company's extensive impact on the technology sector.



## GUEST LECTURES ON PHP & JAVA

A double feature of technical learning took place on 19th September, when two expert guest lectures were held on the topics of PHP and Java, two core programming languages widely used in the development industry. These sessions provided students with an opportunity to deepen their understanding of web development, server-side scripting, and object-oriented programming. Two engaging guest lectures were organized on PHP and Java programming languages. The sessions provided students with advanced knowledge and practical insights into web and software development.

In the PHP lecture, the expert discussed the basics of server-side scripting and the role of PHP in building dynamic, interactive websites. The students learned about its use in popular platforms like WordPress, as well as its compatibility with databases like MySQL. By the end of the session, students had a comprehensive understanding of how PHP can be integrated into web projects to enhance functionality and user experience.

The Java lecture focused on the principles of object-oriented programming (OOP) and how Java is used in various applications, from mobile app development to large-scale enterprise software. The speaker introduced key concepts such as inheritance, polymorphism, and encapsulation, providing examples of how Java's versatile structure allows it to be used in multiple contexts, including Android app development and server-based applications. A double feature of technical learning took place on 19th September, when two expert guest lectures were held on the topics of PHP and Java, two core programming languages widely used in the development industry. These sessions provided students with an opportunity to deepen their understanding of web development, server-side scripting, and object-oriented programming.

In the PHP lecture, the expert discussed the basics of server-side scripting and the role of PHP in building dynamic, interactive websites. The students learned about its use in popular platforms like WordPress, as well as its compatibility with databases like MySQL. By the end of the session, students had a comprehensive understanding of how PHP can be integrated into web projects to enhance functionality and user experience.

The Java lecture focused on the principles of object-oriented programming (OOP) and how Java is used in various applications, from mobile app development to large-scale enterprise software. The speaker introduced key concepts such as inheritance, polymorphism, and encapsulation, providing examples of how Java's versatile structure allows it to be used in multiple contexts, including Android app development and server-based applications. Both sessions ended with hands-on demonstrations, allowing students to apply the concepts they had learned in real-time. These lectures were a fantastic opportunity for students to enhance their programming skills and gain insight into the practical applications of these two powerful languages.



## EXPERT LECTURE ON IMPORTANCE OF PACKAGES IN JAVA

On 19th September 2024, the Department of Computer Engineering hosted an insightful session titled "Importance of Packages in Java." The event featured Amit Khojare, an industry expert with 16 years of experience in software development, who shared his extensive knowledge on Java packages and their significance in programming. The session focused on the concept of packages in Java, which are essential for organizing and managing classes and interfaces. Mr. Khojare highlighted the benefits of using packages, including better code organization, namespace management, and access control.

### -Understanding Packages:

- Mr. Khojare introduced the concept of packages, explaining how they serve as containers for classes and interfaces, helping to group related functionalities together. He discussed the distinction between built-in packages (like `java.util` and `java.io`) and user-defined packages, providing examples of their applications in real-world scenarios.

## Benefits of Using Packages:

The session delved into the advantages of utilizing packages in Java:

- **Code Organization:** Packages help maintain a clean and organized project structure, making it easier for developers to manage code.
- **Namespace Management:** By using packages, developers can avoid naming conflicts, as classes in different packages can have the same name.
- **Access Control:** Mr. Khojare explained how packages enable controlled access to classes and methods, enhancing security and encapsulation.

### Creating and Using Packages:

The speaker demonstrated how to create user-defined packages, including the syntax for defining and importing packages in Java. He provided practical examples to illustrate how packages can be implemented effectively in programming projects.

### Best Practices:

Mr. Khojare shared best practices for organizing packages in larger applications, emphasizing the importance of following naming conventions and structuring packages logically to enhance maintainability. The seminar concluded with an interactive Q&A session, where attendees had the opportunity to ask questions and discuss their challenges related to package management in Java.

Mr. Khojare provided valuable insights and practical tips to help students navigate these challenges effectively. The session on the Importance of Packages in Java was highly informative, equipping students with essential knowledge about code organization and management in Java programming. Amit Khojare's expertise and practical examples helped attendees understand the critical role that packages play in software development. The Department of Computer Engineering plans to continue offering such sessions to enhance students' understanding of key programming concepts.





## BLOOD DONATION CAMP

One of the most impactful events organized this year was the Blood Donation Camp on 30th September. This initiative saw enthusiastic participation from both students and staff, with dozens stepping forward to donate blood and contribute to a cause that directly saves lives. The camp was organized in partnership with a renowned blood bank, and a team of medical professionals was present to ensure the safety and well-being of all participants. Blood Donation Camp A successful blood donation camp was held with active participation from staff, students, and community members. This life-saving initiative emphasized the importance of giving back to society.

The event started with a short awareness session, where experts discussed the importance of regular blood donation and dispelled myths surrounding the process. First-time donors were guided through the procedure and assured of the minimal risks involved. It was heartening to see many participants step forward for the first time, expressing their desire to make blood donation a habit. In a bid to give back to society, a blood donation camp was organized, with overwhelming participation from students, faculty, and staff. The event was held in collaboration with a local blood bank, and all safety measures were followed to ensure a smooth and safe process for donors.

This event not only provided a platform for people to contribute to a life-saving cause but also raised awareness about the ongoing need for blood donations, especially in emergencies. Participants left with a sense of pride and fulfillment, knowing that their small act of kindness could save countless lives.

In total, over X units of blood were collected, which will be used to support local hospitals and emergency services. Participants left with a sense of pride, knowing that their simple act of kindness could make the difference between life and death for someone in need. The success of the blood donation camp has inspired plans for future such events, ensuring that our institution continues to give back to society in meaningful ways.



## FRESHERS' CARNIVAL

Zeal Freshers' Carnival - September 30

The Zeal Freshers' Carnival was a vibrant and memorable event, warmly welcoming new students to the Zeal campus. Festivities began with a spirited welcome note by student anchors, creating an atmosphere of anticipation and excitement. Soon after, the much-awaited celebrity anchor arrived, introduced with great enthusiasm by students, setting a dynamic tone for the day. The Mr. & Ms. Freshers' Competition followed, featuring freshers from five institutes competing across various Game Zones. Each participant brought their energy, talent, and friendly rivalry, adding joy and spirit to the event as they showcased their skills in a lively atmosphere. The event took a traditional turn as the Director, Principal, and Heads of Departments from all five institutes came together to inaugurate the carnival with a Saraswati Pujan. This meaningful ritual, honoring knowledge and wisdom, added a touch of reverence to the day, making the freshers feel like valued members of the Zeal family. As the day continued, the stage came alive with an exciting lineup of performances. Six faculty members from the Liberal Learning department, along with sixteen student acts, dazzled the audience with their talent and creativity. The variety of performances captured the audience's attention, turning the carnival into a memorable celebration of talent and community. In the evening, a distinguished guest was welcomed with a formal felicitation ceremony led by the Director and other dignitaries, highlighting the institute's commitment to fostering meaningful connections. The night reached its peak with an energetic DJ segment, where students and staff joined together in dance and celebration, creating a unified and lively atmosphere. The carnival concluded with a heartfelt vote of thanks from the staff coordinator, expressing gratitude to everyone involved. The Zeal Freshers' Carnival was an unforgettable experience, celebrating joy, unity, and new beginnings, and setting an inspiring tone for the academic year ahead.



## GANDHI JAYANTI & LAL BAHADUR SHASTRI JAYANTI

2nd October, The birth anniversaries of Mahatma Gandhi and Lal Bahadur Shastri are significant days in the Indian calendar, reminding us of the principles of non-violence, truth, and self-reliance. This year, our institution commemorated these great leaders with a series of enriching activities that invoked their philosophies and inspired students to reflect on their teachings. Gandhi Jayanti & Lal Bahadur Shastri Jayanti In honor of Gandhi and Shastri Jayanti, we organized a series of activities including an essay competition, art and slogan chart displays, tree plantation, and a poster-making competition. These activities inspired the community to reflect on values of peace, simplicity, and sustainable living.

The event began with a solemn remembrance ceremony, where students and faculty gathered to pay homage. The air was filled with respect as leaders spoke about the legacies of Gandhi and Shastri, reminding the younger generation of the power of simplicity, peace, and perseverance. A speech competition followed, where students eloquently articulated how these leaders' values are still relevant today.

Marking the birth anniversaries of two of India's most revered leaders—Mahatma Gandhi and Lal Bahadur Shastri—the institution organized a day full of reflection, learning, and community action. The event commenced with a remembrance ceremony, where students and faculty paid homage to the leaders' principles of non-violence, truth, and simplicity.



## ESSAY WRITING COMPETITION: COMMEMORATING GANDHI JAYANTI

To mark Gandhi Jayanti, the Department of Computer Engineering at Zeal Polytechnic, in collaboration with the ACES Committee, hosted an essay writing competition on 2nd Oct for first-year students. The event aimed to encourage reflection on Mahatma Gandhi's timeless values and their relevance to today's society.

Students were invited to choose from five topics, including themes like non-violent resistance, forgiveness in a divided world, and uplifting marginalized sections of society. These topics prompted participants to connect Gandhi's principles with current global challenges.

A total of 40 students enthusiastically participated. Their essays were evaluated by a panel of faculty members from both the Computer Science and Humanities departments. Judging was based on clarity, originality, depth of analysis, and relevance to the chosen topic.

### Winners

**-1st Place:** Ganjure Gayatri Devanand (Topic: The Power of Non-Violent Resistance in Modern Conflicts)

**-2nd Place:** Pawar Sagar Rajkumar (Topic: The Importance of Forgiveness and Reconciliation in a Divided World)

**3rd Place:** Brahme Tanishka Rajendra (Topic: Uplifting the Marginalized Sections of Society)



## TREE PLANTATION

On October 2nd, 2024, the Department of Computer Engineering organized a successful tree plantation drive. The event aimed to improve the campus environment, promote sustainability, and encourage a sense of responsibility among students and faculty. Participants planted various trees, helping to enhance air quality and biodiversity on campus. This initiative not only beautified the area but also raised awareness about the importance of caring for the environment and the role of trees in fighting climate change.

### Tree Selection

A total of 10 trees will be planted, with 2 of each type selected to ensure a diverse and sustainable green space in the department. were selected for the plantation, focusing on species that thrive in partial sunlight. This selection was made to ensure that the trees can flourish in the department's environment, which may have varying light conditions due to building structures.

The event saw active participation from faculty members, students, and staff of the Department of Computer Engineering. A total of 50 saplings were planted in the designated areas around the college campus, including native trees such as Neem, Banyan, Peepal, and Mango. Before the plantation, a brief session was held to educate participants on the importance of tree planting and the need for environmental stewardship. Students learned about the ecological benefits of trees, including their role in reducing carbon dioxide levels, providing shade, and supporting biodiversity.

### 1. Environmental Impact :

The planting of 50 saplings is expected to contribute positively to the local ecosystem by improving air quality and enhancing the green cover on campus.

### 2. Increased Awareness :

The event successfully raised awareness about the importance of trees in combating environmental challenges such as global warming and deforestation. Participants were encouraged to continue similar efforts in their own communities.

### 3. Community Engagement :

The plantation drive fostered a sense of community and teamwork among the students and faculty. It highlighted the role individuals can play in creating a sustainable future. The Tree Plantation Drive organized by the Department of Computer Engineering on 2nd October 2024 was a meaningful step toward environmental sustainability.

## TREE PLANTATION



## POSTER MAKING COMPETITION

On October 2nd, 2024, in celebration of Gandhi Jayanti, the Department of Computer Engineering organized a Poster Making Competition through the ACES Committee to honour the legacies of Mahatma Gandhi and Lal Bahadur Shastri. The event aimed to engage students in creative expression while paying tribute to the principles of peace, non-violence, and leadership embodied by these two esteemed leaders.

### Event Highlights

- Participation: The competition witnessed enthusiastic participation, with students creating a total of 22 slogan posters and 6 sketch posters.
- Themes: The posters prominently featured sketches and slogans that reflected the values and contributions of Mahatma Gandhi and Lal Bahadur Shastri.

### Sketches and Slogans

A total of 3 sketches were shortlisted for their artistic merit and thematic representation:

1. A detailed sketch of Mahatma Gandhi.
2. A sketch of Lal Bahadur Shastri.
3. A representation of the Dandi Yatra, highlighting the significance of Gandhi's salt march in the struggle for independence.

The slogan posters included popular slogans from both leaders, emphasizing their enduring messages of peace and unity.

The competition recognized outstanding contributions, with the following students awarded for their exceptional sketches:

1. Jayesh Khawale
2. Payal Mhaske
3. Yash Kaware

These students demonstrated remarkable creativity and skill in their artworks, effectively capturing the essence of Gandhi and Shastri. The Poster Making Competition organized by the ACES Committee for Gandhi Jayanti celebrated the legacies of Mahatma Gandhi and Lal Bahadur Shastri. It promoted creative expression, teamwork, and awareness of their principles of peace and leadership, strengthening community within the department.



## EXPERT TALK ON INNOVATION & ENTREPRENEURSHIP AS CAREER

On 4th October 2024, the Department of Computer Engineering organized an engaging session titled “A Talk on Innovation & Entrepreneurship as Career.” The event featured Harshit Desai, the Director of the Innovation Program, who shared his insights into the dynamic world of innovation and entrepreneurship. The talk aimed to inspire students to consider entrepreneurship as a viable career path, highlighting the significance of innovation in driving business success. Mr. Desai shared his experiences and strategies for fostering creativity and entrepreneurial thinking.

### Understanding Innovation:

Mr. Desai began by discussing the concept of innovation and its crucial role in today's fast-paced business environment. He emphasized that innovation is not limited to technology; it can also be applied to processes, services, and business models.

### The Entrepreneurial Mindset:

The speaker outlined the characteristics of successful entrepreneurs, including resilience, adaptability, and a willingness to take risks. He encouraged students to cultivate an entrepreneurial mindset, urging them to think creatively and embrace challenges as opportunities for growth.

### Steps to Launching a Startup:

Mr. Desai provided a roadmap for aspiring entrepreneurs, covering key steps in launching a startup, such as identifying a market need, developing a business plan, and securing funding. He also highlighted the importance of networking and building relationships with mentors and industry professionals.





## EXPERT LECTURE FOR UNLOCKING THE FUTURE: AI IN BUSINESS, EDUCATION, AND CAREER

Date: 5th October 2024

Guest Speaker: Mr. Sohan Mirajkar, AI/ML R&D Team, Prescient Technology

Organizer: Department of Computer Engineering

Venue: Zeal Polytechnic, Pune

On 5th October 2024, the Department of Computer Engineering hosted an enlightening session titled "Unlocking the Future: AI in Business, Education, and Career." The event featured Mr. Sohan Mirajkar, a key member of the AI/ML R&D Team at Prescient Technology, who brought valuable expertise to the discussion on how Artificial Intelligence (AI) is reshaping various industries.

The session focused on AI's evolving role in business, education, and career development, highlighting how AI is becoming an essential tool in every field. Mr. Mirajkar delivered an engaging presentation, followed by a lively Q&A session, where students and faculty had the opportunity to interact with an industry expert.

### **AI in Business :**

Mr. Mirajkar began by discussing how AI is transforming the business landscape. From automating repetitive tasks to enhancing data-driven decision-making, AI is empowering organizations to innovate and operate more efficiently. He gave examples of AI applications in sectors such as finance, healthcare, and manufacturing, emphasizing the competitive edge it provides businesses. Notably, he shared how AI-driven predictive analytics is helping companies forecast trends, manage risks, and improve customer experiences.

### **AI in Education :**

The impact of AI on education was another major focus. Mr. Mirajkar explored how AI is personalizing the learning experience for students by tailoring educational content to individual needs. He highlighted AI-powered tools like intelligent tutoring systems and virtual teaching assistants, which are enhancing student engagement and performance. Furthermore, AI's role in supporting educators by automating administrative tasks and providing insights into student progress was discussed.

AI in Career Development: In terms of career opportunities, Mr. Mirajkar emphasized the growing demand for AI expertise across various sectors. He outlined the critical skills necessary for students and professionals to thrive in AI-driven industries, such as data analysis, machine learning, and problem-solving. He also encouraged students to explore AI-related roles such as data scientists, AI engineers, and AI ethicists, and stressed the importance of continuous learning to stay relevant in a rapidly evolving job market. The event concluded with an engaging Q&A session where attendees raised questions about AI's ethical implications, potential risks, and future developments. Mr. Mirajkar provided thought-provoking responses, particularly around the ethical use of AI and the importance of building transparent and fair AI systems. The session left participants with a deeper understanding of AI's transformative potential and its broad applications in business, education, and career development. Mr. Sohan Mirajkar's insights provided valuable guidance to students on preparing for an AI-driven future, inspiring them to explore opportunities in this dynamic and fast-evolving field.



## DANDIYA NIGHT

The festive season was in full swing on 9th October as our institution hosted a spectacular Dandiya Night, a cultural event that brought students, faculty, and staff together in celebration. The venue was adorned with colorful decorations, traditional lamps, and vibrant artwork, setting the stage for an evening filled with dance, music, and excitement.

Dressed in their finest ethnic attire, students and faculty participated in the dandiya dance, a traditional Gujarati folk dance that involves rhythmic clapping of sticks in synchronization with the beats of the music. The energetic atmosphere was contagious, with participants dancing late into the evening, creating a beautiful display of cultural unity and joy. The night also included traditional refreshments, adding to the festive spirit of the occasion.

The Dandiya Night was not just a celebration of cultural heritage, but also a bonding experience for students from various backgrounds, creating memories that will last a lifetime. The overwhelming success of the event has made it a staple in the campus calendar, eagerly anticipated each year by all.



## DIWALI CELEBRATION

Zeal Education Society, Pune, is delighted to invite everyone to its grand Diwali Party on October 25, 2024, from 4:00 PM onwards at the Narhe Campus. This celebration is a heartfelt effort to bring together colleagues, families, and community members to revel in the joy and traditions of Diwali. With a thoughtfully organized program, the event promises an evening filled with laughter, fun, and cherished memories.

Guests can immerse themselves in a variety of activities, from lively cultural performances that showcase traditional art forms to a vibrant kids' zone specially designed to keep the youngest attendees entertained. Families will have the chance to capture precious moments through family photography sessions, creating keepsakes of this special occasion. The evening will conclude with a lavish family dinner, featuring an array of delicious dishes that capture the flavors of the festival and allow everyone to enjoy a meal together, strengthening the bonds of unity and togetherness.

The event is hosted by Dr. Jayesh Katkar, Secretary, and Hon. Shri Sambhaji Katkar, Founder President of Zeal Education Society, whose vision for this celebration goes beyond just festivities—it's about building a sense of belonging, connecting with each other, and honoring the essence of Diwali as a festival that symbolizes light, hope, and harmony. The organizers at Zeal Education Society have gone above and beyond to create an environment where everyone feels welcome, with decorations, lighting, and a joyful atmosphere that embodies the festive spirit of Diwali.



## REPORT ON VOTER AWARENESS PROGRAM

To promote electoral participation and enhance democratic values among the youth, a Voter Awareness Program was organized on October 26, 2024, focusing on the upcoming Vidhan Sabha elections.

The primary goal of the voter awareness program was to educate and encourage eligible voters to participate actively in the democratic process. This initiative aimed to increase voter turnout by highlighting the importance of each vote in shaping governance and policy. The event featured various activities designed to engage participants and spread awareness about voting. Key activities included:

**Educational Session:** A speaker explained the significance of voting, the impact of voter participation on governance, and the steps involved in the voting process.

**Interactive Discussion:** An open discussion encouraged attendees to share their views and ask questions related to voting rights, the election process, and their role as responsible citizens

The Voter Awareness Program successfully motivated attendees to value their vote and participate in the electoral process. The event was well-received, with positive feedback from students and faculty members alike, who found the information and activities both informative and inspiring.

