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# ZEAL POLYTECHNIC

DEPARTMENT OF COMPUTER ENGINEERING

# NEWS LETTER

A. Y. 2022-2023 - Issue I



 Zeal Narhe Campus, S. No.39, Narhe-Dhayari Road, Narhe, Pune-411 041 (MS) India

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## 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. R. H. MULE**  
BE, ME (Computer)  
Zeal Polytechnic, Pune

Welcome to the vibrant and dynamic Department of Computer Engineering at Zeal Polytechnic, Pune!

In an era where technology evolves at an unprecedented pace, our department takes pride in nurturing the next generation of innovative minds in the realm of computing. We are committed to providing a robust academic foundation combined with practical exposure, enabling our students to thrive in the ever-changing tech landscape. At Zeal Polytechnic, our distinguished faculty members bring a wealth of industry experience and academic expertise to the classroom. We believe in cultivating an environment that encourages curiosity, critical thinking, and creativity among our students. Our focus extends beyond traditional learning methods, emphasizing hands-on experiences through state-of-the-art laboratories and collaborative projects.

The field of Computer Engineering is at the forefront of innovation, and our curriculum is meticulously crafted to stay abreast of the latest advancements. We aim not only to impart technical knowledge but also to instill ethical values and a sense of responsibility in our students, empowering them to become socially conscious professionals.

Our department is dedicated to fostering an inclusive community where diversity is celebrated, ideas are exchanged freely, and each individual's potential is recognized and nurtured. We encourage our students to engage in extracurricular activities, research endeavors, and industry collaborations to broaden their horizons and prepare for the challenges of tomorrow.

As the Head of Department, I invite you to explore the multitude of opportunities available within our department. Whether you aspire to develop groundbreaking software, delve into cybersecurity, explore artificial intelligence, or innovate in any other computing domain, Zeal Polytechnic is the ideal platform to embark on your journey towards success.

I extend my best wishes to all our students and encourage them to dream big, strive for excellence, and make a meaningful impact in the world of Computer Engineering.

## 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.

## Report on "Zeal Raas Dandiya Night" Event

The "Zeal Raas Dandiya Night," held over three consecutive days in honor of Goddess Durga, was a vibrant and culturally enriching event organized by Zeal Institutes from 28<sup>th</sup> Sept. to 30<sup>th</sup> Sept. 2022. This celebration marked the culmination of Navratri festivities and aimed to bring together students, faculty, friends, and esteemed guests to revel in traditional dance and celebration. The event commenced with fervor and enthusiasm, welcoming participants adorned in colorful traditional attire, resonating with the spirit of Navratri celebrations. Zeal Institutes had the privilege of hosting several prominent celebrities, adding star power and allure to the event. Their presence added to the excitement and grandeur of the celebration. The heart of the event was the spirited Dandiya and Garba performances by students, faculty members, and attendees. The rhythmic beats of the music echoed the joyous ambiance as everyone participated in the traditional dance forms. The event served as a platform for cultural exchange, fostering unity and camaraderie among students, faculty, and friends from diverse backgrounds who joined in the celebrations. Traditional Decor and Ambiance: The venue was adorned with vibrant decorations, evoking the traditional aura of Navratri festivities. The ambiance complemented the lively mood of the event.

The "Zeal Raas Dandiya Night" witnessed a remarkable turnout, with a significant number of students, faculty, and friends actively participating in the festivities. The event's success can be attributed to the enthusiastic involvement and collective spirit of everyone involved.

The "Zeal Raas Dandiya Night" was an outstanding cultural extravaganza that showcased the institute's commitment to celebrating traditions and fostering a sense of unity and joy among the Zeal Institutes community.

The event's success and vibrant atmosphere truly encapsulated the spirit of Navratri, leaving everyone with cherished memories and a sense of cultural richness.



## Expert Lecture by Mr. Yogesh Murumkar on Python Applications in Real-Time Projects

We are thrilled to share highlights from the recent expert lecture conducted by Mr. Yogesh Murumkar, CEO, and Corporate Trainer. The session focused on "Python Applications in Real-Time Projects" and was organized for third-year computer science students.

The expert lecture by Mr. Yogesh Murumkar aimed to provide students with valuable insights into the practical applications of Python in real-time projects. As the CEO and Corporate Trainer, Mr. Murumkar brought industry expertise and hands-on experience to enlighten the students on the versatility of Python. The session commenced with an overview of Python's significance in the field of computer science and its widespread use in real-time projects. Mr. Murumkar highlighted Python's versatility, ease of learning, and its role in developing scalable and efficient applications.

Mr. Yogesh Murumkar delved into real-time project examples where Python played a crucial role. He presented case studies and practical examples to illustrate how Python is utilized in diverse projects, including web development, data science, artificial intelligence, and automation.

To enhance the learning experience, the lecture included a hands-on demonstration where Mr. Murumkar showcased the application of Python in a real-time project. This practical approach allowed students to witness the implementation of Python concepts in a project setting. The expert talk not only covered technical aspects but also emphasized industry best practices. Mr. Murumkar shared insights into coding conventions, project management, and collaboration techniques commonly employed in the industry when using Python. An interactive question and answer session followed the lecture, allowing students to engage directly with Mr. Yogesh Murumkar. Students enthusiastically participated, seeking clarification on specific Python concepts, industry applications, and career-related queries. The expert lecture on "Python Applications in Real-Time Projects" by Mr. Yogesh Murumkar was highly informative and beneficial for the third-year computer science students. It provided them with a holistic understanding of Python's practical applications and its significance in real-world projects. His expert talk has contributed significantly to the academic and professional development of our computer science students.





## Expert Lecture by Mr. Tulsiram Madhulkar on Evolution of the Software Development Life Cycle

We are thrilled to share highlights from the recent expert lecture conducted by Mr. Tulsiram Madhulkar, a representative from Wipro Pune. The session focused on the "Evolution of the Software Development Life Cycle" and was organized on November 22, 2022, for second-year computer science students as part of the Career Development Program. The expert lecture by Mr. Tulsiram Madhulkar aimed to provide second-year computer science students with insights into the evolution of the Software Development Life Cycle (SDLC). Mr. Madhulkar, with his expertise from Wipro Pune, shared valuable industry perspectives on the changing landscape of software development. The session commenced with an overview of the Software Development Life Cycle and its crucial role in the software engineering process. Mr. Madhulkar provided context on the historical evolution of SDLC methodologies and their impact on modern software development practices. Mr. Tulsiram Madhulkar discussed the historical evolution of SDLC, covering traditional models such as the Waterfall model and their limitations. He highlighted key milestones and transitions in SDLC methodologies over the years, leading to the adoption of more agile and iterative approaches. The lecture explored the emergence of agile and iterative development methodologies. Mr. Madhulkar explained how these approaches address the shortcomings of traditional models by promoting collaboration, adaptability, and continuous improvement throughout the software development process. The expert talk not only focused on the theoretical aspects of SDLC evolution but also delved into industry best practices. Mr. Madhulkar shared insights into how organizations like Wipro Pune adapt and implement these methodologies to enhance software development efficiency and quality. The session included discussions on the career implications of understanding SDLC evolution. Mr. Tulsiram Madhulkar provided guidance on how a deep understanding of SDLC methodologies positions students for success in the dynamic field of software development. An interactive question and answer session allowed students to engage directly with Mr. Madhulkar. Students actively participated, seeking advice on career paths, industry trends, and the practical application of SDLC methodologies in real-world projects. The expert lecture on the "Evolution of the Software Development Life Cycle" by Mr. Tulsiram Madhulkar was insightful and well-received by second-year computer science students. It provided them with a broader perspective on the evolution of SDLC methodologies and their relevance in contemporary software development. His expert talk has significantly contributed to the career development and knowledge enrichment of our computer science students.

## Expert Lecture by Mr. Tulsiram Madhulkar on Agile Methodologies

We are thrilled to share highlights from the recent expert lecture conducted by Mr. Tulsiram Madhulkar, a representative from Wipro Pune. The session focused on "Agile Methodologies" and was organized on November 22, 2022, for second-year computer science students as part of the Career Development Program. The expert lecture by Mr. Tulsiram Madhulkar aimed to provide second-year computer science students with a comprehensive understanding of Agile methodologies. Mr. Madhulkar, with his expertise from Wipro Pune, shared valuable insights into the principles, practices, and applications of Agile in the software development process. The session began with an overview of Agile methodologies, emphasizing their significance in addressing the challenges posed by traditional software development approaches. Mr. Madhulkar provided context on the Agile manifesto and its guiding principles. Mr. Tulsiram Madhulkar delved into the key components of Agile methodologies, including iterative development, collaboration, flexibility, and customer-centricity. He explained how Agile practices promote adaptability and responsiveness to changing project requirements. The lecture explored popular Agile frameworks such as Scrum and Kanban, highlighting their structures and roles within Agile teams. Mr. Madhulkar discussed Agile practices, including daily stand-ups, sprint planning, and retrospective meetings, to provide students with practical insights into Agile implementation. The expert talk included real-world applications of Agile methodologies, drawing on Mr. Madhulkar's industry experiences at Wipro Pune. He shared examples of successful Agile projects and explained how Agile practices contribute to project success, client satisfaction, and team collaboration.

The session addressed the career relevance of understanding Agile methodologies. Mr. Tulsiram Madhulkar provided guidance on how proficiency in Agile practices enhances a software professional's marketability, especially in an industry that increasingly values agility and rapid delivery. An interactive question and answer session allowed students to engage directly with Mr. Madhulkar. Students actively participated, seeking clarification on specific aspects of Agile methodologies, their implementation, and the potential challenges faced in Agile environments. The expert lecture on "Agile Methodologies" by Mr. Tulsiram Madhulkar was both informative and engaging. It provided second-year computer science students with valuable insights into Agile practices, preparing them for the evolving landscape of software development. His expert talk has significantly contributed to the career development and knowledge enrichment of our computer science students.

## Expert Lecture by Mr. Shubham Bangale on Entrepreneurship in IoT

We are thrilled to share highlights from the recent expert lecture conducted by Mr. Shubham Bangale from Bharatiya Software and Hardware Solutions, Pune. The session focused on "Entrepreneurship in IoT" and was organized on September 25, 2021, for second-year computer science students as part of the Career Development Program.

The expert lecture by Mr. Shubham Bangale aimed to inspire and educate second-year computer science students on the entrepreneurial aspects of the Internet of Things (IoT). Mr. Bangale shared his insights and experiences in the field, providing students with valuable perspectives on leveraging IoT for entrepreneurial endeavors. The session began with an overview of the Internet of Things, emphasizing its transformative impact on various industries. Mr. Bangale discussed the role of entrepreneurship in harnessing the potential of IoT technologies to create innovative solutions and business opportunities.

Mr. Shubham Bangale explored the entrepreneurial opportunities presented by the Internet of Things. He highlighted real-world examples of IoT-driven startups, showcasing how entrepreneurs can identify market needs, develop IoT solutions, and create sustainable business models. The lecture delved into the practical aspects of building a startup in the IoT domain. Mr. Bangale discussed the key steps involved, from ideation and prototyping to market validation and scaling. He shared insights on overcoming challenges and leveraging IoT trends for entrepreneurial success. The expert talk included valuable industry insights gained from Mr. Shubham Bangale's experience in Bharatiya Software and Hardware Solutions. He shared observations on current trends, market demands, and the evolving landscape of IoT entrepreneurship. The session addressed the intersection of career development and IoT entrepreneurship. Mr. Bangale provided guidance on how students could equip themselves with the necessary skills and knowledge to embark on entrepreneurial journeys in the field of IoT.

An interactive question and answer session allowed students to engage directly with Mr. Shubham Bangale. Students actively participated, seeking advice on entrepreneurship, IoT technologies, and the practical aspects of building a startup in the IoT space. The expert lecture on "Entrepreneurship in IoT" by Mr. Shubham Bangale was enlightening and well-received by second-year computer science students. It provided them with valuable insights into the entrepreneurial possibilities within the dynamic realm of IoT. His expert talk has significantly contributed to the career development and entrepreneurial awareness of our computer science students.

## **Industrial IT Training Program logic building and coding skills relevant to industry requirements.**

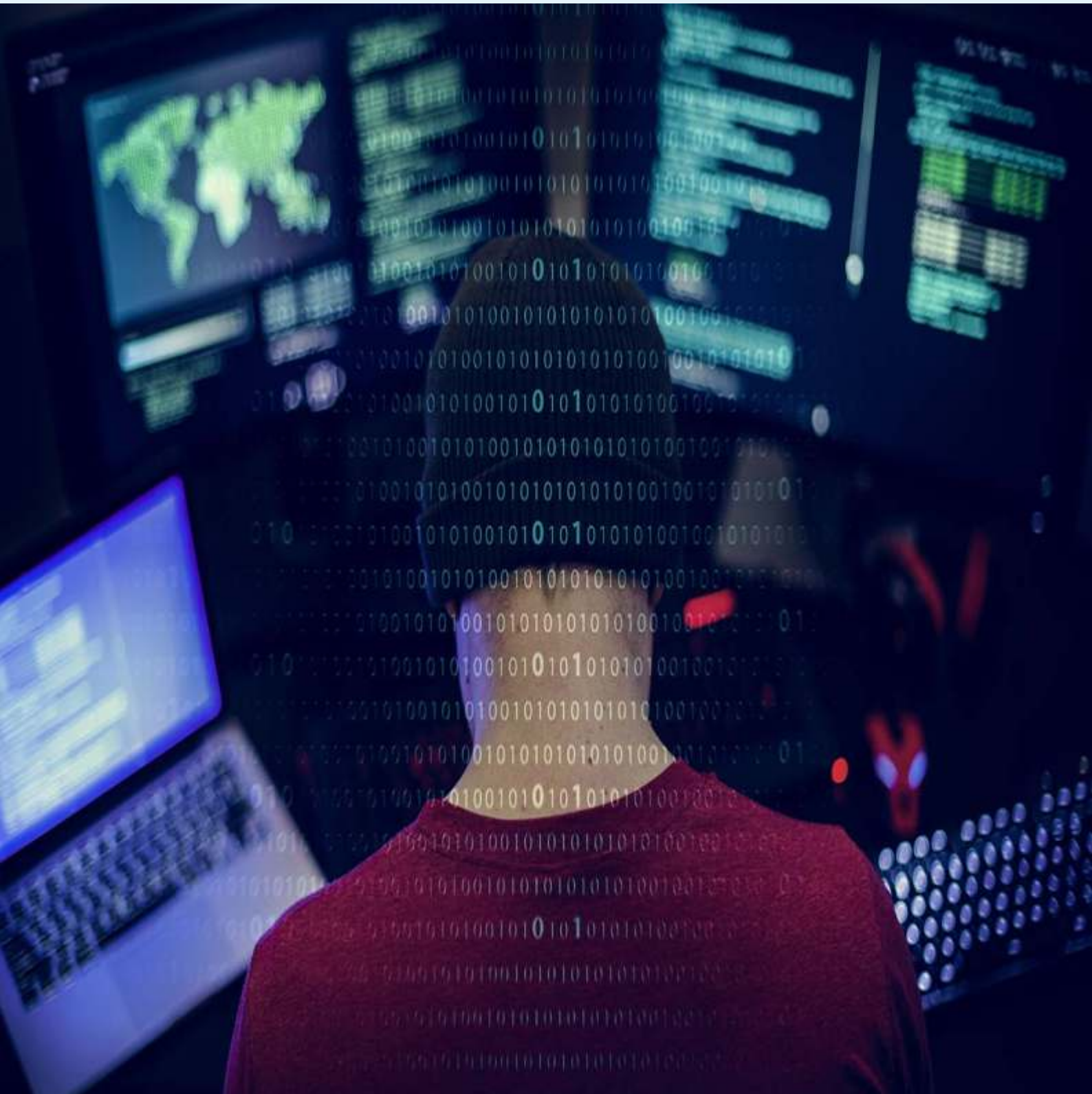
The Industrial IT Training Program aimed to equip participants with advanced logic building and coding skills tailored to meet the specific requirements of the industry. This comprehensive report outlines the program's objectives, curriculum design, delivery methods, participant feedback, and the overall impact on enhancing participants' proficiency in logic building and coding. The primary goal was to bridge the gap between academic knowledge and industry needs by focusing on logic building and coding skills applicable to industrial settings. The program aimed to cultivate participants' problem-solving skills through hands-on coding exercises and real-world case studies. Collaborative learning and teamwork were encouraged to simulate the collaborative nature of industrial projects.

The curriculum was meticulously crafted to cover a range of topics essential for industrial IT professionals. Boolean algebra and its applications. Algorithm design and optimization techniques. Emphasis on languages commonly used in industrial settings (e.g., Python, C++, Java). Application of programming principles to industrial scenarios. Introduction to communication protocols Compliance with industry standards for data exchange and system integration. Understanding the importance of real-time processing in industrial environments. Hands-on experience in developing real-time applications.

Subject matter experts conducted interactive lectures and hands-on workshops to ensure a balance between theoretical knowledge and practical application. Professionals from leading industrial companies shared insights into the application of logic building and coding skills in real-world scenarios. Participants engaged in simulated industrial projects to apply their acquired skills in a controlled environment. Participant feedback was overwhelmingly positive, with key highlights being Participants appreciated the direct alignment of the program with the skills demanded by the industrial sector The emphasis on practical exercises and projects was particularly praised for enhancing understanding and application. Interactions with industry professionals provided valuable networking opportunities, enabling participants to gain insights into potential career paths.

Participants demonstrated a notable improvement in logic building and coding proficiency. Several participants reported increased confidence in seeking employment opportunities within the industrial IT sector. The program garnered positive attention from industrial employers who recognized the relevance of the skills acquired by participants. The

Industrial IT Training Program successfully achieved its objectives by equipping participants with logic building and coding skills tailored to industry requirements. The positive feedback and tangible skill enhancements indicate the program's effectiveness in preparing individuals for successful careers in the dynamic field of industrial IT. Ongoing evaluation and potential updates to the curriculum will ensure the program continues to meet evolving industry needs.



## Industrial Training Program Soft Skills Sessions by Aspiring Careers

The industrial training program organized by Aspiring Careers on December 12 for all polytechnic students was tailored to address the critical need for developing soft skills essential for professional success. The sessions aimed to equip students with a diverse set of competencies required in today's dynamic workplace. The training program encompassed various crucial aspects of soft skills development, offering insights and practical exercises in the respected areas

- Importance of effective communication in academic and professional settings.
- Techniques to improve verbal articulation and non-verbal communication cues.
- Time Management and Strategies to prioritize tasks and manage time efficiently.
- Methods to enhance organizational skills for better productivity.
- Understanding the dynamics of teamwork for achieving common objectives.
- Engaging activities to foster a collaborative approach among participants.
- Encouraging analytical thinking and problem-solving strategies.
- Practical scenarios to develop critical thinking abilities among students.
- Coping mechanisms to adapt to changing environments and challenges.
- Building resilience to overcome obstacles in academic and professional pursuits.
- Emotional Intelligence and Self-awareness: Understanding emotions' impact and the importance of self-awareness.
- Techniques to improve emotional intelligence for better interpersonal relationships.

Interactive Engaging participants through discussions, activities, and role-plays. Industry professionals shared experiences and insights on soft skills' role in career growth. Practical exercises and real-life examples to reinforce learning. The industrial training program significantly contributed to enhancing the soft skills of participating polytechnic students. Feedback received indicated increased confidence levels, improved communication, and a better understanding of teamwork dynamics among the attendees. The soft skills sessions conducted by Aspiring Careers on December 12 proved to be instrumental in empowering polytechnic students with essential skills beyond their academic curriculum. The holistic approach to soft skills development aimed at preparing them for future career challenges and opportunities.



## Booster Dose Vaccination Free COVID Vaccination Camp

The Booster Dose Vaccination Camp held at Zeal Institute marked a significant milestone in the ongoing efforts to combat the COVID-19 pandemic. This report provides a comprehensive overview of the event, outlining its objectives, organization, execution, and the impact it had on the community. The primary goal was to enhance the immunity of the community by providing booster doses to eligible individuals, particularly focusing on those at higher risk. To contribute to the broader public health initiatives by ensuring individuals have access to vaccination, thereby minimizing the risk of severe illness and reducing the transmission of the virus. The vaccination camp was organized in collaboration with local health authorities, pharmaceutical partners, and volunteer medical professionals. The event logistics were meticulously planned, considering factors such as space, crowd management, and adherence to COVID-19 safety protocols. A pre-event awareness campaign was conducted to inform the community about the availability of booster doses and the importance of getting vaccinated. Trained medical staff administered booster doses to eligible individuals following a streamlined and efficient process. A robust registration system ensured accurate documentation of participants, facilitating follow-up and data analysis. Strict adherence to COVID-19 safety measures, including social distancing, mask-wearing, and sanitization, was enforced to safeguard the well-being of participants and staff. The camp witnessed a high turnout, reflecting the community's eagerness to receive booster doses and prioritize their health. Participants expressed satisfaction with the organization, efficiency, and professionalism of the vaccination process. The event fostered a sense of community unity, with individuals recognizing the collective responsibility to protect themselves and others from the ongoing threat of COVID-19. The booster dose vaccination camp contributed to a significant increase in the community's overall immunity, reducing the risk of severe illness and hospitalization. The event marked a milestone in the community's ongoing efforts to combat the pandemic, emphasizing the importance of vaccination as a crucial tool in public health. By providing access to booster doses, the camp empowered individuals to take an active role in their health and well-being, fostering a sense of control over the ongoing health crisis. The Booster Dose Vaccination Camp at Zeal Institute successfully achieved its objectives of enhancing community immunity and promoting public health. The collaborative effort, efficient organization, and positive community response underscore the significance of such initiatives in the collective fight against the COVID-19 pandemic. Continuous efforts to promote vaccination and public health awareness will remain pivotal in overcoming the challenges posed by the virus.

## Zeal College Kabaddi League

The Zeal College Kabaddi League held in the month of 15 October 2022 for both boys and girls marked a significant step towards promoting inclusivity, gender equality, and a passion for sports within the college community. This report provides an overview of the league, outlining its organization, participation, and the positive impact it has had on students, irrespective of gender. The league featured separate divisions for boys and girls, allowing for a fair and competitive environment within each category. Equal emphasis was placed on both divisions, ensuring that the opportunities and recognition extended to male and female participants were balanced. Open registration welcomed participants from all departments and backgrounds, promoting a diverse and inclusive representation of talent in both the boys' and girls' leagues.

A gender-inclusive organizing committee and dedicated volunteers worked collaboratively to plan, coordinate, and execute the league successfully. Ensuring a gender-balanced representation in the organizing team helped in addressing the unique needs and perspectives of both male and female participants. The league utilized the college's sports facilities to their full potential, providing a well-equipped and safe environment for both boys and girls to compete. Adequate arrangements were made for seating, refreshments, and medical support, catering to the needs of all participants and spectators.


The league was promoted without gender bias, emphasizing equal enthusiasm for both boys' and girls' divisions through various promotional channels. Spectators were encouraged to attend matches from both divisions, fostering an inclusive atmosphere and ensuring that support was extended to all participants. The league prioritized fair play and adherence to rules in both the boys' and girls' divisions, ensuring an equal and unbiased approach to officiating matches. Participants in both divisions had the opportunity to enhance their Kabaddi skills, promoting physical fitness and skill development without gender-based distinctions.

The league played a role in breaking gender stereotypes associated with sports, showcasing the talents and capabilities of both male and female athletes. By featuring both boys' and girls' divisions, the league inspired students to aspire towards sporting excellence irrespective of their gender, fostering a culture of inclusivity and equal opportunity. The Zeal College Kabaddi League for boys and girls successfully exemplified the college's commitment to inclusivity and equal opportunities in sports. By providing a platform for both male and female participants to showcase their skills, the league contributed to a more




balanced and harmonious college community. This event serves as a testament to the college's dedication to fostering an environment where talent knows no gender boundaries. The annual Kabaddi League is poised to continue its positive impact on students, promoting sportsmanship and unity across genders in the years to come.





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## FOR BOYS & GIRLS

### BOYS

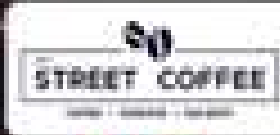

- ₹ 1st Prize: 20,000
- ₹ 2nd Prize: 15,000
- ₹ 3rd Prize: 10,000
- ₹ 4th Prize: 7,000

### GIRLS


- ₹ 1st Prize: 5,000
- ₹ 2nd Prize: 3,000
- ₹ 3rd Prize: 2,000



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## Expert Lecture on "Evolution of the Software Development Life Cycle"

the expert lecture conducted by Mr. Tulsiram Madhulkar at our institution on November 22, 2022, as a part of the Career Development Program for Computer 2nd-year students. Mr. Tulsiram Madhulkar, a distinguished professional from WIPRO Pune, delivered an enlightening expert talk on the "Evolution of the Software Development Life Cycle" as part of our Career Development Program. The lecture aimed to provide valuable insights into the dynamic field of software development, specifically focusing on the changes and advancements in the software development life cycle over the years. Mr. Madhulkar provided a historical perspective on the evolution of the Software Development Life Cycle, tracing its roots and highlighting significant milestones in the field.

The speaker discussed various software development methodologies and models, emphasizing their evolution and the reasons behind the shift from traditional to modern approaches. Mr. Madhulkar shared insights into the latest trends in software development, including agile methodologies, DevOps practices, and the integration of artificial intelligence in the development life cycle. The expert lecture also touched upon industry best practices, showcasing real-world examples and case studies from WIPRO's experiences in software development.

The lecture saw active participation from the Computer 2nd-year students, who engaged in insightful discussions and raised pertinent questions. Mr. Madhulkar's interactive approach and real-world anecdotes kept the audience engaged throughout the session. Post-lecture feedback from students indicated a positive response, with many expressing appreciation for the practical insights gained from an industry expert. The lecture not only broadened students' understanding of the software development life cycle but also inspired them to explore new technologies and methodologies. The expert lecture by Mr. Tulsiram Madhulkar was a resounding success, contributing significantly to the career development of our Computer 2nd-year students.

## Industrial IT Training Program - Logic Building and Coding Skills

We are thrilled to announce our upcoming Industrial IT Training Program, focusing on enhancing logic building and coding skills relevant to the industry. In today's rapidly evolving technological landscape, possessing strong logical thinking and coding abilities is crucial for success in various industrial sectors. The primary objective of this training program is to equip participants with the essential skills needed to excel in the field of industrial IT.

The program will specifically concentrate on honing logic building and coding capabilities, providing a foundation that aligns with industry requirements. Understanding fundamental logical structures and problem-solving techniques. Exploring real-world applications of logic building and coding in industrial scenarios. Case studies and examples from diverse industries. Group projects and team-based activities to foster collaboration and communication skills.

Interactive sessions with industry professionals sharing insights and experiences. This program is designed for students, recent graduates, and professionals interested in enhancing their logic building and coding skills, particularly with an industrial focus. Whether you are pursuing a career in software development, automation, data analysis, or any IT-related field within industry, this training will provide valuable insights and hands-on experience. Acquire industry-relevant coding skills. Enhance logical thinking and problem-solving abilities. Gain practical experience through hands-on projects. Network with industry professionals. Participants who successfully complete the program will receive a Certificate of Completion, acknowledging their dedication to advancing their skills in industrial IT.



## Virtual Industrial Visit to Primus Techsystems Pvt Ltd

a Virtual Industrial Visit as part of our development program to Primus Techsystems Pvt Ltd in Pune on December 3, 2022. This visit aims to provide you with an immersive experience into the workings of a leading technological firm and offer insights into practical applications within the industry. Introduction Session Overview of Primus Techsystems Pvt Ltd, its history, and contributions to the technological domain.

Virtual Tour and Facility Showcas Guided virtual tour through different departments, laboratories, and technological facilities. Interactive Sessions and Q&A Engage in discussions with professionals from various departments. Ask questions and gain industry insights. Technology Demonstration Live demonstrations showcasing advanced technologies and their applications.

This virtual visit offers a unique opportunity to witness firsthand the innovative advancements and real-world applications of technologies in Primus Techsystems. The sessions have been carefully curated to provide you with a comprehensive understanding of the industry and its operational dynamics. Please ensure that you have access to the necessary virtual platforms for seamless participation in the sessions. Kindly adhere to the provided guidelines for the virtual visit to maximize your learning experience.

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**ZEAL POLYTECHNIC, PUNE**  
Department of Computer Engineering

Computer Department Arranged Virtual Industrial Visit Under Career Development Program at  
**PRIMUS TECHSYSTEMS PVT LTD, PUNE**  
For SY & TY Students

03 December, 2022 | Saturday 11:30 am to 12:30pm

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## Internship on "Farmer's Friend" Project at EuSpace Technologies Pvt Ltd

This report serves to confirm the successful completion of the internship program by Tejasvi Santosh Kamble, Shreya Nitin Pokale, Nihal Firoz Shaikh, and Shruti Sachin Paygude at EuSpace Technologies Pvt Ltd. The interns actively participated in the development of the "Farmer's Friend" project during their tenure, which commenced on [Start Date] and concluded on April 17, 2024. Under the guidance and mentorship of our experienced team at EuSpace Technologies, Tejasvi Santosh Kamble, Shreya Nitin Pokale, Nihal Firoz Shaikh, and Shruti Sachin Paygude and second team is Sayali Amol Abnave, Mansi Vijay Shinde, Sejal Kishor Hoajge, Priyanka Vishal Sontakke, and Sneha Kiran Londhe were part of the project "Farmer's Friend."

This project aimed to create an innovative solution to assist farmers in optimizing their agricultural practices through technology. **Project Development:** The interns were integral to the development phase of the "Farmer's Friend" project. Their contributions ranged from conceptualization to implementation, involving coding, testing, and refining the functionalities of the application. They actively conducted research on agricultural practices, market analysis, and user requirements to ensure the application's relevance and effectiveness for the farming community. Tejasvi, Shreya, Nihal, and Shruti collaborated seamlessly with our development team, demonstrating effective communication and teamwork skills. Their collaborative efforts significantly contributed to the project's progress and success. The internship program culminated with the successful completion of the "Farmer's Friend" project by Tejasvi Santosh Kamble, Shreya Nitin Pokale, Nihal Firoz Shaikh, and Shruti Sachin Paygude. Their dedication, hard work, and enthusiasm have been invaluable in the development and execution of this beneficial agricultural solution.

## Student Achievement

Sr. No.	Name of Students	Percentage	Year
01.	NANNAJKAR VAISHNAVI GANESH	93.38%	FIRST YEAR
02.	GURAV SHREYA RAMKRISHNA	91.38%	
03.	WALUNJKAR SAKSHI SANTOSH	90.88%	
04.	MAHADIK VEDANTIKA ANIL	90.88%	

Sr. No.	Name of Students	Percentage	Year
01.	BHANDARI SATYAJIT ASHOK	94.13%	SECOND YEAR
02.	NANNAJKAR TANVI GANESH	93.73%	
03.	KSHATRIYA SAMRUDDHI AVINASH	93.2%	
04.	HULE VEDANT VIJAY	88.4%	
05.	PADHAR YASHRAJ KHANDESHWAR	87.6%	

Sr. No.	Name of Students	Percentage	Year
01.	NIKAM VIVEK PRASHANT	93.67%	THIRD YEAR
02.	DHOTRE VAISHNAVI SACHIN	92.06%	
03.	YERE SARTHAK PRAVIN	88.11%	
04.	CHAULWAR SOHAM VITTHAL	86.97%	
05.	JAISWAL ATHARVA PRADEEP	86.80%	

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