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ZEAL POLYTECHNIC

**DEPARTMENT OF
COMPUTER ENGINEERING**



**NEWS
LETTER**
2021 - 2022 1st Issue



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. SHAKIL TAMBOLI

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

Create professionally competent and socially responsible engineers to work in global environment.



Mission of the Department

1. Implement diversified teaching learning process methodologies to meet growing requirements of industry and society. (Teaching Learning Process methodologies)
2. Demonstrate and involve students in the installation and troubleshooting of software and hardware systems using modern tools and methodologies. (Technical Competency)
3. Inculcate interest, team work and professional ethics among students. (Professional Ethics)
4. Facilitate interaction of students with society to identify innovative user friendly software and hardware solutions for the humankind.(Social Contribution)

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.

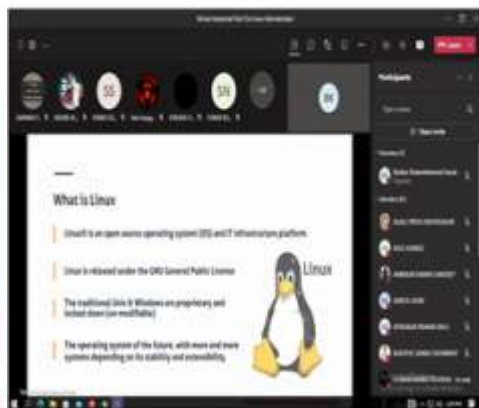
Report on Virtual Industrial Visit on Linux Administration

The Virtual Industrial Visit organized by Zeal Polytechnic on December 10, 2021. The session, featuring Mr. Suresh Patel, Director at Jetking Learning Center, Hadapsar, Pune, aimed to provide students with insights into Linux Administration, career growth, and opportunities in the field.

The concept of a virtual industrial visit was introduced as an online learning experience, allowing students to explore industrial processes without physical presence. This approach has gained popularity, especially in situations where physical visits are challenging, such as during a global pandemic. The primary objectives of the virtual industrial visit were to bridge the gap between theoretical knowledge acquired in classrooms and practical industrial practices. The focus of this specific session was on Linux Administration, providing students with exposure to the technology, career prospects, and industry opportunities. Mr. Suresh Patel, an esteemed professional and Director at Jetking Learning Center, led the virtual session. He shared his expertise on Red Hat Linux, offering students valuable insights into its applications and discussing potential career paths in the industry. The session commenced with a comprehensive introduction to Red Hat Linux. Mr. Patel covered its features, functionalities, and the role it plays in the IT industry. He emphasized the importance of Linux Administration in managing systems efficiently.

Mr. Suresh Patel elaborated on the potential career growth for individuals with proficiency in Red Hat Linux. The session included discussions on diverse opportunities, ranging from system administration roles to specialized positions in cyber security and cloud computing. An interactive question and answer session allowed students to engage directly with Mr. Suresh Patel. Students actively participated, seeking clarification on Linux Administration, career-related queries, and industry trends. This interactive segment enhanced the overall learning experience. The virtual industrial visit on Linux Administration with Mr. Suresh Patel successfully fulfilled its objectives. Students gained valuable insights into Red Hat Linux, its practical applications, and the exciting career opportunities associated with expertise in this technology.

We extend our sincere thanks to Mr. Suresh Patel for his valuable time, expertise, and engaging session. The virtual industrial visit has significantly contributed to the professional development of our students, offering them a broader perspective on Linux Administration.



Virtual Industrial Visit Report - Exploring Robotics and Automation in Industry

The virtual industrial visit organized by ProAzure Software Solutions Pvt. Ltd. The visit focused on exploring Robotics and Automation in the industry and was facilitated by Mr. Bapu Dilip Arkas, Project Manager at ProAzure Software Solutions Pvt. Ltd. The event took place on December 17, 2021. The virtual industrial visit aimed to provide participants with insights into the latest developments in the field of Robotics and Automation within the industry. The event covered various aspects, including technological advancements, real-world applications, and the impact of automation on industrial processes.

Mr. Bapu Dilip Arkas commenced the session with an insightful introduction to the fundamentals of Robotics and Automation. He provided an overview of the historical evolution of these technologies and their current significance in the industrial landscape. The virtual tour explored the latest technological innovations in the field, highlighting cutting-edge developments such as Artificial Intelligence, Machine Learning, and Internet of Things (IoT) integrated into robotic systems. Mr. Arkas shared case studies and success stories to illustrate practical applications of these technologies. The visit delved into industry-specific applications of Robotics and Automation across various sectors, including manufacturing, logistics, healthcare, and more. Participants gained insights into how these technologies are revolutionizing traditional processes, enhancing efficiency, and reducing operational costs. To provide a hands-on experience, Mr. Arkas organized live demonstrations of robotic systems and automation tools. Participants had the opportunity to witness the functionality of robotic arms, automated assembly lines, and other advanced technologies commonly used in industrial settings. The virtual industrial visit included an interactive question and answer session, allowing participants to engage with Mr. Arkas and seek clarification on specific topics. This session fostered a dynamic exchange of ideas and knowledge.

Participants gained insights into the latest advancements in technologies such as AI, ML, and IoT and their role in shaping the future of Robotics and Automation. The visit provided a deeper understanding of how Robotics and Automation are applied across diverse industries, showcasing real-world examples and success stories. Live demonstrations offered participants a firsthand look at the functioning of robotic systems, enhancing their practical knowledge of these technologies. The virtual format allowed participants to connect with industry experts, facilitating networking opportunities and the exchange of ideas. The virtual industrial visit on Robotics and Automation organized by ProAzure Software Solutions Pvt. Ltd., led by Mr. Bapu Dilip Arkas, proved to be a valuable and informative experience. Participants left with a broader understanding of the transformative impact of Robotics and Automation on industries and the potential for future advancements. We express our gratitude to Mr. Bapu Dilip Arkas and ProAzure Software Solutions Pvt. Ltd. for facilitating this insightful virtual industrial visit.

Report on Expert Lecture on Testing Basics and Overview by Ms. Neha Salunke (KPIT Technology)

Expert lecture titled "Testing Basics and Overview" delivered by Ms. Neha Salunke from KPIT Technology. The lecture, which took place on December 11, 2021, provided attendees with a deep dive into fundamental testing concepts and an overview of testing methodologies in the context of software development.

Date and Time: December 11, 2021

Speaker: Ms. Neha Salunke, KPIT Technology

Topic: Testing Basics and Overview

Mode: Online

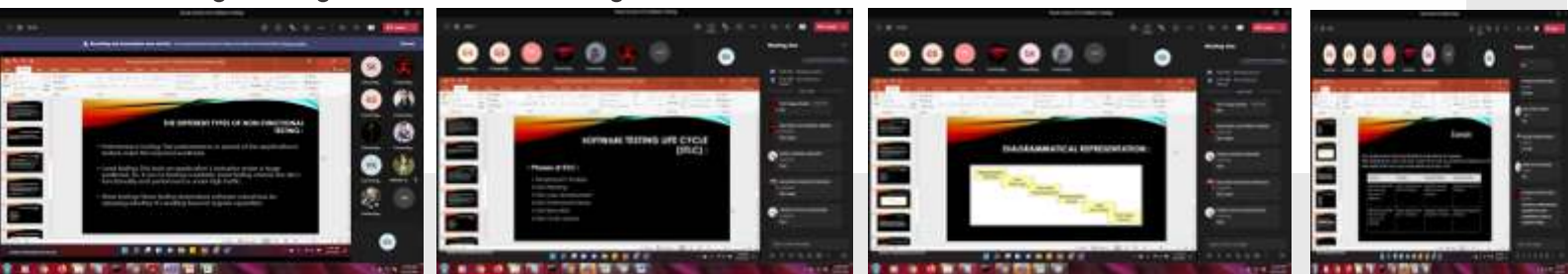
Ms. Neha Salunke commenced the lecture with a comprehensive introduction to software testing, emphasizing its critical role in ensuring the quality and reliability of software products. She covered the importance of testing in the software development life cycle.

The speaker provided an insightful overview of various testing methodologies, including manual testing and automated testing. She discussed the pros and cons of each approach, helping participants understand when and how to apply them in real-world scenarios. Attendees gained valuable insights into the testing life cycle, from requirement analysis to test planning, test design, test execution, and test closure. Ms. Salunke explained each phase in detail, highlighting best practices and industry standards.

The lecture covered a broad spectrum of testing types, such as functional testing, non-functional testing, regression testing, and performance testing. Ms. Salunke shared practical examples to illustrate the application of these testing types.

The speaker addressed common challenges in the testing process and shared best practices to overcome them. Participants gained practical tips on creating effective test cases, managing test data, and ensuring comprehensive test coverage. The online lecture facilitated active participation through a Q&A session, where participants had the opportunity to seek clarification on specific testing concepts and share their experiences. Ms. Neha Salunke responded to queries with precision, fostering a collaborative learning environment.

The expert lecture on Testing Basics and Overview by Ms. Neha Salunke was highly informative and well-received by the audience. Participants left with a deeper understanding of testing fundamentals, methodologies, and best practices that are essential for success in the software testing domain. We extend our gratitude to Ms. Neha Salunke for sharing her expertise, and we look forward to organizing more such enriching sessions in the future.



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 lecture, titled "Entrepreneurship in IoT," was organized on 25th September 2021 as part of the Career Development Program for second-year computer science students.

Mr. Shubham Bangale, an expert in Bharatiya Software and Hardware Solutions, Pune, shared his valuable insights into "Entrepreneurship in IoT." His talk aimed to inspire and educate second-year computer science students on the entrepreneurial aspects of the Internet of Things (IoT) within the context of the Career Development Program. The lecture began with a comprehensive overview of entrepreneurship opportunities within the IoT domain. Mr. Bangale discussed the evolution of IoT and how it has paved the way for innovative business ventures. Students gained insights into the entrepreneurial landscape and potential areas of exploration within IoT.

Mr. Shubham Bangale shared relevant case studies and practical examples to illustrate successful entrepreneurship ventures in IoT. This practical approach provided students with real-world scenarios, helping them understand the challenges and opportunities associated with starting their ventures in this dynamic field. The expert talk extended beyond entrepreneurship to highlight the role of IoT in career development. Mr. Bangale emphasized the importance of acquiring skills in IoT and understanding the market trends to remain competitive in the ever-evolving technology landscape.

While the primary focus was on entrepreneurship in IoT, Mr. Bangale introduced the concept of Agile methodology and its relevance in entrepreneurial ventures. He discussed how the Agile approach could enhance project management, product development, and overall organizational agility.

An interactive session allowed students to engage with Mr. Shubham Bangale directly. Students had the opportunity to ask questions, seek advice, and gain insights into both entrepreneurship in IoT and the application of Agile methodology. The session facilitated an open and dynamic exchange of ideas. The expert lecture by Mr. Shubham Bangale was both insightful and motivating for the second-year computer science students. It successfully achieved its goal of inducing knowledge on entrepreneurship in IoT while introducing the relevance of Agile methodology in the entrepreneurial context. The Career Development Program greatly benefited from his engaging lecture, contributing to the holistic development of our students.



Report on Expert Lecture by Mr. Ninad Tongay on Basics of C++

I am pleased to submit a report on the expert lecture conducted at Zeal Polytechnic, Pune, to induce and explore knowledge on the basics of C++. The lecture was delivered by Mr. Ninad Tongay, Tech Prescient, Pune, and took place on 18th September 2021. The expert lecture aimed to provide students with a solid foundation in the fundamentals of C++ programming. Mr. Ninad Tongay, with his expertise and industry experience, was invited to share insights and practical knowledge with the students. The lecture began with an overview of the importance of C++ in the field of computer programming. Mr. Ninad Tongay covered the basics of the C++ programming language, including its syntax, data types, control structures, and functions. The objective was to familiarize students with the core concepts necessary for C++ programming. To enhance the learning experience, the lecture included hands-on sessions where students were guided through practical examples and exercises. This interactive approach allowed students to apply the theoretical concepts in a real-world context, reinforcing their understanding of C++.

Mr. Tongay delved into key topics, including:

Introduction to C++ syntax and structure

Data types and variables in C++

Control structures: loops and conditionals

Functions and their role in C++ programming

The lecture emphasized the industry relevance of C++ and its widespread use in software development. Mr. Tongay shared insights into how a strong foundation in C++ can open doors to various career opportunities and contribute to success in the technology sector. An interactive question and answer session allowed students to engage directly with Mr. Ninad Tongay. This segment provided clarification on specific concepts and allowed for a dynamic exchange of ideas between the speaker and the students. The expert lecture on the basics of C++ by Mr. Ninad Tongay was successful in achieving its goal of introducing and exploring fundamental concepts of the programming language. Students gained valuable insights and practical knowledge that will serve as a strong foundation for their future studies and careers. We extend our sincere thanks to Mr. Ninad Tongay for his time, expertise, and engaging lecture. The collaboration with industry professionals like Mr. Tongay enhances the learning experience for our students at Zeal Polytechnic.



Report on Expert Lecture by Mr. Mahesh Pawar on Advanced Trends in Java Programming

The expert lecture organized by Zeal Polytechnic on December 4, 2021, in the Computer Engineering Department. The lecture featured Mr. Mahesh Pawar, Assistant Consultant at BGC Partners, London, who provided valuable guidance to second-year Computer Diploma students on Advanced Java Programming. The expert lecture aimed to enhance the knowledge and skills of second-year Computer Diploma students in the field of Advanced Java Programming. Mr. Mahesh Pawar, with his extensive experience, was invited to share insights into advanced concepts, including design templates, the Java Virtual Machine (JVM), and Java Frameworks. Mr. Mahesh Pawar commenced the lecture with an overview of Advanced Java Programming, emphasizing its importance in contemporary software development. The session intended to bridge the gap between foundational Java concepts and more advanced topics, providing students with a deeper understanding of the language.

The lecture included a comprehensive discussion on design templates in Java programming. Mr. Pawar explained the significance of design patterns in creating scalable and maintainable Java code. Practical examples and use cases were presented to illustrate the application of design templates in real-world scenarios. Mr. Pawar provided an in-depth exploration of the Java Virtual Machine (JVM) and its role in Java applications. Students gained insights into the execution of Java bytecode, memory management, and the overall functioning of the JVM. The session aimed to enhance their comprehension of Java's runtime environment. The expert lecture delved into Java Frameworks, highlighting their importance in modern software development. Mr. Mahesh Pawar introduced students to popular Java frameworks, discussing their features and applications. This segment aimed to familiarize students with tools that streamline the development process. An interactive session allowed students to engage directly with Mr. Mahesh Pawar. The Q&A segment enabled students to seek clarification on specific topics, share their experiences, and gain further insights into Advanced Java Programming. The interactive nature of the session fostered a dynamic exchange of ideas.

The expert lecture on Advanced Java Programming by Mr. Mahesh Pawar received positive feedback from second-year Computer Diploma students. It successfully achieved its objectives of providing students with advanced knowledge, practical insights, and a broader perspective on Java programming. We extend our sincere gratitude to Mr. Mahesh Pawar for his valuable time, expertise, and engaging lecture. The collaboration with industry professionals significantly contributes to the academic and professional development of our students.

INDUSTRY INSTITUTE INTERACTION
Expert's Talk
A Webinar Series
ZEAL POLYTECHNIC, PUNE
Department of Computer Engineering
MR. MAHESH. B. PAWAR
Assistant consultant
BGC Partners, London
ADVANCED TRENDS IN JAVA PROGRAMMING
For Second Year Computer Engineering
04th December, 2021 | Saturday 11:30 AM to 12:30 PM
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Report on Expert Lecture on Cyber Security & Awareness

A comprehensive report on the expert lecture organized under the Department of Computer Engineering at Zeal Polytechnic on November 27, 2021. The session focused on essential Cyber Security Concepts and was delivered by Mr. Rajas Pathak, Director & Co-founder of Searia Infotech. The expert lecture aimed to enhance the understanding of students in the Department of Computer Engineering about the critical concepts and challenges in the field of Cyber Security. Mr. Rajas Pathak brought his extensive experience and expertise to shed light on the evolving landscape of cybersecurity.

Mr. Rajas Pathak commenced the lecture with a comprehensive introduction to the fundamentals of cybersecurity, emphasizing the importance of securing digital assets in today's interconnected world. The lecture delved into the current threat landscape, highlighting prevalent cyber threats, attack vectors, and the potential risks faced by individuals, organizations, and governments. Mr. Pathak provided insights into the latest cybersecurity technologies and strategies employed to safeguard information systems. Topics covered included encryption, intrusion detection systems, firewalls, and incident response. The session included practical case studies and real-world examples of cyber attacks, breaches, and successful defense mechanisms. These illustrations helped students contextualize theoretical concepts into practical scenarios. An interactive question and answer session followed the lecture, allowing students to engage with Mr. Rajas Pathak, seek clarifications, and discuss specific topics related to cybersecurity.

Students gained a holistic understanding of the cybersecurity landscape, including its importance, challenges, and the role of cybersecurity in protecting digital assets. Case studies and real-world examples provided practical insights into the application of cybersecurity concepts, helping students connect theory to real-world scenarios. The lecture highlighted emerging technologies and strategies in cybersecurity, giving students a glimpse into the evolving nature of the field. Mr. Rajas Pathak's expertise and experience added significant value, offering students valuable insights and perspectives from the industry.

The expert lecture on Cyber Security Concepts delivered by Mr. Rajas Pathak, Director & Co-founder of Searia Infotech, was a resounding success. The event provided students with a deepened understanding of cybersecurity principles and their practical applications in the ever-evolving digital landscape. We extend our sincere appreciation to Mr. Rajas Pathak for sharing his knowledge and expertise with the students and for contributing to the educational endeavors at Zeal Polytechnic.



Blood Donation Camp at Zeal Institute, Pune

On October 1, 2021, Zeal Institute in Pune organized a commendable Blood Donation Camp, aiming to contribute to the noble cause of saving lives through voluntary blood donations. The event was inaugurated with great enthusiasm and support from the Director, Mr. Udhhav Shid. The Blood Donation Camp commenced with a ribbon-cutting ceremony by Mr. Udhhav Shid, the Director of Zeal Institute. His presence and active involvement added a sense of importance to the event, encouraging the participants and emphasizing the significance of their contributions.

The event witnessed a substantial turnout, with numerous students actively participating in the blood donation drive. Their eagerness to contribute to the well-being of others showcased the compassionate and community-driven spirit that Zeal Institute promotes. The primary objective of the Blood Donation Camp was not only to collect blood but also to create awareness and educate participants about the importance of voluntary blood donation. Informational sessions were conducted to dispel myths, address concerns, and emphasize the critical role blood donation plays in saving lives. The successful execution of the blood donation camp reflects the positive impact that community engagement can have on society. The institute aims to encourage both students and the wider community to actively participate in such initiatives, fostering a culture of social responsibility and empathy. Every participant in the Blood Donation Camp became a hero by contributing to a cause that directly impacts the lives of those in need. Zeal Institute extends its heartfelt gratitude to all the donors, recognizing them as lifesavers and role models for others in the community.

The Blood Donation Camp organized at Zeal Institute, Pune, on October 1, 2021, stands as a testament to the institute's commitment to social welfare and community engagement. The successful event not only collected a significant amount of blood but also played a crucial role in raising awareness about the importance of voluntary blood donation. Zeal Institute encourages everyone to actively participate in such activities and contribute to building a healthier and more compassionate society.

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ZEAL POLYTECHNIC
In association with
SASSOON GENERAL HOSPITAL, PUNE
Organizes
THE BLOOD DONATION CAMP

"Excuses never save a life, Blood donation does."

1st October, 2021 | Friday **09:00 AM to 03:00 PM**

CONTACT PERSON | Prof. Jadhav P. L. 8669900049 | Prof. Shaikh A. I. 7020206502 | Venue : C-302, Electrical Department Seminar Hall

Guest Lecture on Web Development and Career Opportunities

The guest lecture on Web Development and Career Opportunities, featuring Mr. Ganesh Sutar, a distinguished Web Developer and Trainer from Maple Labz, USA, was conducted on 23/10/2021 at Zeal Institutes. The event was organized by [Organizing Institution] to provide insights into the rapidly evolving field of web development and to guide students on potential career paths in the industry. Speaker Profile:

Mr. Ganesh Sutar is an accomplished Web Developer and Trainer with extensive experience in the field. Currently associated with Maple Labz in the USA, he brings a wealth of practical knowledge and expertise in web development technologies. Overview of web development and its significance in the digital era, Evolution of web technologies. Key Technologies and Tools: Discussion on essential web development technologies, including HTML, CSS, JavaScript, and frameworks (e.g., React, Angular, Vue). Insight into backend technologies (Node.js, Django, Ruby on Rails).

Exploration of current trends and innovations in web development. Discussion on the impact of emerging technologies like Progressive Web Apps (PWAs) and serverless architecture. Overview of diverse career paths in web development. Discussion on roles such as front-end developer, back-end developer, full-stack developer, and the importance of specialization. Guidance on creating an impressive portfolio. Tips for showcasing projects and skills effectively. Importance of soft skills in the tech industry. Guidance on continuous learning and staying updated with industry trends. The lecture included an engaging Q&A session, allowing participants to interact directly with Mr. Ganesh Sutar. This provided students with the opportunity to seek advice, clarify doubts, and gain deeper insights into the practical aspects of web development. Participants gained a comprehensive understanding of the key technologies and tools used in web development, enhancing their knowledge of both frontend and backend development.

Mr. Ganesh Sutar shared valuable insights into current industry trends, helping students stay informed about the latest advancements in web development. Attendees received guidance on various career paths within web development, enabling them to make informed decisions about their professional journey. Practical tips on building a strong portfolio were shared, empowering students to effectively showcase their skills and projects to potential employers. The importance of soft skills and continuous professional development was highlighted, emphasizing the holistic development of students in the tech industry.

The guest lecture by Mr. Ganesh Sutar was a resounding success, providing students with valuable insights into the world of web development and offering guidance on potential career opportunities. The event not only enriched the participants' understanding of web technologies but also inspired them to explore and excel in this dynamic and ever-evolving field.

Webinar on Startup and Industry Integration by Mr. Yogesh Kondaskar

An enriching expert lecture was conducted on 17th December 2021, featuring Mr. Yogesh Kondaskar, Co-Founder of Kanexon and CEO & Chief Innovator at Bizteon. The session, organized by Zeal Polytechnic, aimed to provide valuable insights into the realms of startups and industry integration for third-year computer science students. Mr. Yogesh Kondaskar, a distinguished entrepreneur and innovator, is widely recognized for his role as Co-Founder of Kanexon and as the CEO & Chief Innovator at Bizteon. With a rich background in the tech industry, Mr. Kondaskar brought a wealth of practical experience and expertise to the lecture.

Mr. Kondaskar provided an overview of the startup ecosystem. Insights into the challenges and opportunities associated with startup ventures. Discussion on the importance of industry integration for startups. Strategies for effectively integrating with established industries. Mr. Kondaskar shared his personal entrepreneurial journey, highlighting key milestones, challenges, and lessons learned. Exploration of the role of innovation and technology in the success of startups. Case studies of innovative solutions developed by Bizteon. Guidance on potential career paths in the startup ecosystem. Discussion on how students can prepare for industry integration and entrepreneurial roles.

The lecture featured an interactive Q&A session, allowing students to engage directly with Mr. Yogesh Kondaskar. This provided an opportunity for students to seek advice, gain further insights, and participate in a meaningful dialogue with the expert. Participants gained a deeper understanding of the dynamics of the startup ecosystem, including its challenges and opportunities. Mr. Kondaskar shared valuable insights into effective strategies for startups to integrate with established industries, fostering collaborative growth. The lecture provided students with a firsthand account of an entrepreneur's journey, offering practical lessons and inspiration. Case studies from Bizteon highlighted the crucial role of innovation and technology in addressing industry challenges and driving success. Students received guidance on potential career

paths within the startup ecosystem and insights into preparing for entrepreneurial roles. The expert lecture by Mr. Yogesh Kondaskar was a significant success, providing students with valuable insights into the world of startups and industry integration. The session not only enriched the participants' understanding of entrepreneurship but also inspired them to consider innovative approaches and career paths in the dynamic landscape of the tech industry.

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25th Anniversary
1996-2021

ZEAL POLYTECHNIC, PUNE
Department of Computer Engineering

Xcubator
The Innovation Hub

Kanexon
Social Network with a Purpose

YOGESH KONDASKAR
Co-founder of Kanexon, world's only Positive Social Network for Impact
Member of Xcubator, CEO and Chief Innovator at Bizteon
<https://www.linkedin.com/in/yogeshkondaskar/>

STARTUP & INDUSTRY INTEGRATION
For Third Year Computer Engineering

17th December, 2021 | Friday | 11:30 am - 12:30 pm

Virtual Industrial Visit on Project Development and Career Opportunities

The Computer Department at Zeal Polytechnic organized a virtual industrial visit on 29th October 2021, aiming to provide second-year students with insights into project development basics and career opportunities in the field. The virtual visit facilitated interaction with experienced industry professional Mr. Sachin Babar from Wap Mebs Global Business Services Pvt. Ltd., Pandharpur. The primary objectives of the virtual industrial visit were: To expose students to the basics of project development in a real-world industry setting. To provide insights into career opportunities available in the field of computer science. To allow students to interact with and learn from an experienced industry professional.

Mr. Sachin Babar, an esteemed professional from Wap Mebs Global Business Services Pvt. Ltd., Pandharpur, was identified as the expert speaker for the virtual industrial visit. With a wealth of experience in project development and industry practices, Mr. Babar was well-equipped to share valuable insights with the students.

Overview of project development lifecycle. Key phases and processes involved. Exploration of diverse career paths within the computer science industry. In-demand skills and qualifications. Presentation of real-world projects undertaken by Wap Mebs Global Business Services Pvt. Ltd. Discussion on challenges faced and solutions implemented. Students had the opportunity to interact with Mr. Sachin Babar, asking questions and seeking advice. Insights into his professional journey and experiences in the industry. Students actively engaged in the virtual industrial visit, asking questions, participating in discussions, and expressing keen interest in the presented topics. The interactive session provided a platform for students to gain practical insights and clarify doubts. Students gained a comprehensive understanding of the various stages involved in project development. Real-world case studies offered insights into the practical application of project development methodologies in an industry setting. Information on career paths and the skills required for success in the computer science industry provided students with valuable guidance for their future endeavors. The virtual visit facilitated interaction with an experienced industry professional, creating a networking opportunity for students.

The virtual industrial visit on project development and career opportunities, featuring Mr. Sachin Babar from Wap Mebs Global Business Services Pvt. Ltd., was a successful initiative by the Computer Department. The event not only broadened students' perspectives on project development but also empowered them with knowledge about potential career paths in the dynamic field of computer science.

Expert Lecture on Python Applications by Mr. Yogesh Murumkar

We are thrilled to share highlights from the recent expert lecture on Python Applications the expert lecture conducted by Mr. Yogesh Murumkar, CEO, and Corporate Trainer, on "Python Applications in Real-Time Projects." The lecture took place on 2nd March 2021 and was organized for third-year computer science students.

Mr. Yogesh Murumkar, with his extensive experience as CEO and Corporate Trainer, shared valuable insights into Python applications in real-time projects. His talk aimed to bridge the gap between theoretical knowledge and practical implementation, providing students with a glimpse into the real-world applications of Python.

Key take way. The lecture began with a comprehensive overview of Python's applications in real-time projects. Mr. Murumkar highlighted the versatility and efficiency of Python as a programming language and discussed its relevance in various domains. Mr. Yogesh Murumkar walked the students through real-time project examples where Python played a pivotal role. These examples covered a range of applications, including web development, data analysis, machine learning, and automation. The practical demonstration provided students with insights into the diverse applications of Python. The expert talk included discussions on best practices and industry standards in Python application development. Mr. Murumkar shared his experiences and insights into coding conventions, project structuring, and other essential aspects that contribute to the efficiency and maintainability of Python projects.

An interactive session allowed students to engage with Mr. Yogesh Murumkar directly. Students had the opportunity to ask questions, seek advice, and gain additional insights into Python applications and the industry. This interactive element facilitated a dynamic exchange of ideas.

Mr. Murumkar shared his perspectives on the current industry trends and the increasing demand for Python skills. He discussed how a strong foundation in Python could open doors to a wide range of career opportunities in the ever-evolving technology landscape. The expert lecture by Mr. Yogesh Murumkar was well-received by the third-year computer science students. It succeeded in achieving its objectives of providing practical insights into Python applications in real-time projects and connecting theoretical knowledge with industry practices. His expertise and industry perspectives have significantly enriched the learning experience 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 on "Evolution of the Software Development Life Cycle," conducted by Mr. Tulsiram Madhulkar from Wipro Pune. The lecture was organized on 22nd November 2021 for computer science students as part of the Career Development Program for second-year students. Mr. Tulsiram Madhulkar, an industry expert from Wipro Pune, shared his valuable insights into the evolution of the Software Development Life Cycle (SDLC). His talk aimed to provide second-year computer science students with a comprehensive understanding of the historical progression and current trends in software development methodologies.

Key aspects: The lecture began with an insightful overview of the evolution of the Software Development Life Cycle. Mr. Madhulkar traced the historical development of SDLC methodologies, from traditional waterfall models to modern agile and DevOps practices. Students gained a deep understanding of how software development processes have evolved over time. Mr. Tulsiram Madhulkar discussed key SDLC methodologies, highlighting the strengths and weaknesses of each approach. He provided practical examples and case studies to illustrate the application of different methodologies in real-world projects.

The expert talk focused on the growing importance of Agile and DevOps methodologies in the contemporary software development landscape. Mr. Madhulkar emphasized how these approaches enhance collaboration, flexibility, and efficiency in software development projects.

An interactive session allowed students to engage with Mr. Tulsiram Madhulkar directly. Students had the opportunity to ask questions, seek advice, and gain insights into the practical implementation of SDLC methodologies in the industry. The session facilitated a dynamic exchange of ideas and experiences.

Mr. Madhulkar shared valuable insights into how an understanding of SDLC evolution can contribute to students' career development. He discussed the relevance of staying updated with industry trends and acquiring skills in line with the current demands of the software development sector.

The expert lecture by Mr. Tulsiram Madhulkar was highly informative and well-received by the second-year computer science students. It successfully fulfilled its objective of providing students with a broader perspective on the evolution of SDLC and its implications for modern software development practices. The Career Development Program greatly benefited from his insights, contributing to the professional growth of our students.

Webinar on Startup and Industry Integration by Mr. Yogesh Kondaskar

An enriching expert lecture was conducted on 17th December 2021, featuring Mr. Yogesh Kondaskar, Co-Founder of Kanexon and CEO & Chief Innovator at Bizteon. The session, organized by Zeal Polytechnic, aimed to provide valuable insights into the realms of startups and industry integration for third-year computer science students. Mr. Yogesh Kondaskar, a distinguished entrepreneur and innovator, is widely recognized for his role as Co-Founder of Kanexon and as the CEO & Chief Innovator at Bizteon. With a rich background in the tech industry, Mr. Kondaskar brought a wealth of practical experience and expertise to the lecture.

Mr. Kondaskar provided an overview of the startup ecosystem. Insights into the challenges and opportunities associated with startup ventures. Discussion on the importance of industry integration for startups. Strategies for effectively integrating with established industries. Mr. Kondaskar shared his personal entrepreneurial journey, highlighting key milestones, challenges, and lessons learned. Exploration of the role of innovation and technology in the success of startups. Case studies of innovative solutions developed by Bizteon. Guidance on potential career paths in the startup ecosystem. Discussion on how students can prepare for industry integration and entrepreneurial roles.

The lecture featured an interactive Q&A session, allowing students to engage directly with Mr. Yogesh Kondaskar. This provided an opportunity for students to seek advice, gain further insights, and participate in a meaningful dialogue with the expert. Participants gained a deeper understanding of the dynamics of the startup ecosystem, including its challenges and opportunities. Mr. Kondaskar shared valuable insights into effective strategies for startups to integrate with established industries, fostering collaborative growth. The lecture provided students with a firsthand account of an entrepreneur's journey, offering practical lessons and inspiration. Case studies from Bizteon highlighted the crucial role of innovation and technology in addressing industry challenges and driving success. Students received guidance on potential career

paths within the startup ecosystem and insights into preparing for entrepreneurial roles. The expert lecture by Mr. Yogesh Kondaskar was a significant success, providing students with valuable insights into the world of startups and industry integration. The session not only enriched the participants' understanding of entrepreneurship but also inspired them to consider innovative approaches and career paths in the dynamic landscape of the tech industry.

The banner features a central portrait of Mr. Yogesh Kondaskar. To the left is the 'Xcubator' logo with the tagline 'The Innovation Hub'. To the right is the 'Kanexon' logo with the tagline 'Social Network with a Purpose'. Above the portrait are logos for 'INDUSTRY INSTITUTE INTERACTION Expert's Talk', 'ZEAL INSTITUTES', and 'ZEAL POLYTECHNIC, PUNE Department of Computer Engineering'. Below the portrait, text identifies him as 'YOGESH KONDASKAR', Co-founder of Kanexon, world's only Positive Social Network for Impact, Member of Xcubator, CEO and Chief Innovator at Bizteon, with a LinkedIn link. At the bottom, it says 'STARTUP & INDUSTRY INTEGRATION For Third Year Computer Engineering' and provides the date '17th December, 2021 | Friday' and time '11:30 am - 12:30 pm'. Social media icons for Facebook, Twitter, LinkedIn, and YouTube are at the very bottom.

Virtual Industrial Visit on Project Development and Career Opportunities

The Computer Department at Zeal Polytechnic organized a virtual industrial visit on 29th October 2021, aiming to provide second-year students with insights into project development basics and career opportunities in the field. The virtual visit facilitated interaction with experienced industry professional Mr. Sachin Babar from Wap Mebs Global Business Services Pvt. Ltd., Pandharpur. The primary objectives of the virtual industrial visit were: To expose students to the basics of project development in a real-world industry setting. To provide insights into career opportunities available in the field of computer science. To allow students to interact with and learn from an experienced industry professional.

Mr. Sachin Babar, an esteemed professional from Wap Mebs Global Business Services Pvt. Ltd., Pandharpur, was identified as the expert speaker for the virtual industrial visit. With a wealth of experience in project development and industry practices, Mr. Babar was well-equipped to share valuable insights with the students.

Overview of project development lifecycle. Key phases and processes involved. Exploration of diverse career paths within the computer science industry. In-demand skills and qualifications. Presentation of real-world projects undertaken by Wap Mebs Global Business Services Pvt. Ltd. Discussion on challenges faced and solutions implemented. Students had the opportunity to interact with Mr. Sachin Babar, asking questions and seeking advice. Insights into his professional journey and experiences in the industry. Students actively engaged in the virtual industrial visit, asking questions, participating in discussions, and expressing keen interest in the presented topics. The interactive session provided a platform for students to gain practical insights and clarify doubts. Students gained a comprehensive understanding of the various stages involved in project development. Real-world case studies offered insights into the practical application of project development methodologies in an industry setting. Information on career paths and the skills required for success in the computer science industry provided students with valuable guidance for their future endeavors. The virtual visit facilitated interaction with an experienced industry professional, creating a networking opportunity for students.

The virtual industrial visit on project development and career opportunities, featuring Mr. Sachin Babar from Wap Mebs Global Business Services Pvt. Ltd., was a successful initiative by the Computer Department. The event not only broadened students' perspectives on project development but also empowered them with knowledge about potential career paths in the dynamic field of computer science.

One-Day Online Workshop on Soft Skills and Personality Development

On December 4, 2021, an enriching one-day online workshop on soft skills and personality development was organized by Zeal Institutes. The workshop was led by two distinguished experts in the field - Uday Jagavkar, Director/Owner at Unique Touch, and Swapna Menon, an Image Consultant, Soft Skills Trainer, and Etiquette Coach. The primary objective of the workshop was to enhance participants' soft skills and personality traits, fostering personal and professional growth. The comprehensive program aimed to provide valuable insights into effective communication, interpersonal skills, and overall personality development. **Soft Skills Essentials** by Uday Jagavkar (9:30 AM - 12:00 PM) Uday Jagavkar shared his expertise on the importance of soft skills in professional and personal life. Key topics included effective communication, time management, and team collaboration. Participants had the opportunity to network and engage in informal discussions. **Personality Development Workshop** by Swapna Menon Swapna Menon focused on enhancing participants' personality traits, including grooming, attire, and body language. Practical tips on building a positive self-image and projecting confidence were provided. Participants engaged in a lively question and answer session, seeking insights and clarification from the speakers. Interactive activities and group discussions facilitated active participation. Zeal Institutes expressed gratitude to the speakers and participants. Certificates of participation were distributed to acknowledge attendees' commitment.

Feedback from participants was overwhelmingly positive. Attendees appreciated the workshop's interactive nature, practical insights, and the seamless organization of the event. Many expressed their intention to implement the skills acquired in their personal and professional lives. The one-day online workshop on soft skills and personality development, led by Uday Jagavkar and Swapna Menon, proved to be a valuable learning experience for participants. The event successfully achieved its objectives, empowering individuals to enhance their soft skills and foster holistic personality development. Zeal Institutes looks forward to organizing similar workshops in the future to continue contributing to the personal and professional growth of its participants.

ZEAL INSTITUTE'S 25th Anniversary
ZEAL POLYTECHNIC, PUNE
 Training & Placement Department

One day online workshop on
SOFT SKILLS & PERSONALITY DEVELOPMENT
 for Third Year Diploma Students

COL UDAY JAGAVKAR
 M.Sc. MBA, NISSAN (UK)
 Soft Skills Trainer & Career Counsellor

SWAPNA MENON
 Image Consultant - PDSH Enabler
 Personal Brand Image Coach

AKSHAYA A. B.
 Director, Inspire Talent
 Training & Consulting

SESSION - 1	SESSION - 2	SESSION - 3
<ul style="list-style-type: none"> • The Power of Effective Communication • Personality Development 	<ul style="list-style-type: none"> • Arts and Science of creating 1st impression • 7 Second Rule • ABC of 1st Impression • 4 layers of clothing 	<ul style="list-style-type: none"> • Importance of Employability skills in the 21st Century. • Power & techniques of Developing Positive mindset. • Professional communication skills & Leadership Skills
04/12/2021 9:30am to 11:30am	04/12/2021 12:00pm to 2:00pm	04/12/2021 2:30pm to 4:30pm

Platform: Microsoft team

For further details contact : 8669900049

FREE workshop with E-certificate

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One-Day Online Workshop on Entrepreneurship Development Cell

On November 16, 2021, and December 11, 2021, Zeal Institutes conducted a series of one-day online workshops on Entrepreneurship Development Cell. The workshops were led by industry experts, Mr. Prashant Patil, Director of Apex Consultants Training Services, and Ms. Kirti Ramdasi, Secretary of Aluminium Casters Association, respectively. On November 16, 2021, and December 11, 2021, Zeal Institutes conducted a series of one-day online workshops on Entrepreneurship Development Cell. The workshops were led by industry experts, Mr. Prashant Patil, Director of Apex Consultants Training Services, and Ms. Kirti Ramdasi, Secretary of Aluminium Casters Association, respectively. Mr. Prashant Patil shared his extensive knowledge on entrepreneurship, covering topics such as idea generation, business planning, and funding opportunities. Case studies and real-life examples were discussed to provide practical insights. Ms. Kirti Ramdasi delved into the intricacies of entrepreneurship in the aluminum casting industry. Key topics included market trends, regulatory considerations, and strategic business planning.

A panel discussion involving industry experts and Ms. Kirti Ramdasi. In-depth analysis of relevant case studies and practical applications of entrepreneurship principles.

Zeal Institutes expressed gratitude to Mr. Prashant Patil, Ms. Kirti Ramdasi and all participants. Certificates of participation were distributed to acknowledge attendees' active involvement.

The one-day online workshops on Entrepreneurship Development Cell led by Mr. Prashant Patil and Ms. Kirti Ramdasi were successful in imparting valuable insights and skills to participants. Zeal Institutes remains committed to organizing such events to empower individuals with the knowledge and resources needed to thrive in the entrepreneurial landscape.

ZEAL INSTITUTE OF TECHNOLOGY **ZEAL POLYTECHNIC, PUNE**
Entrepreneurship Development Cell

One day online workshop on
ENTREPRENEURSHIP DEVELOPMENT
for Third Year Diploma Students

MR. PRASHANT PATIL
Director, Apex Consultants Training Services

MS. KIRTI RAMDASI
Secretary, Aluminium Casters Association (ACA)

FREE workshop with E-certificate

SESSION - 1

- Entrepreneurship Awareness
- How to become an Entrepreneur?
- Skills required for Entrepreneur

SESSION - 2

- Entrepreneurship with Motivation
- Government Schemes
- Funding Agencies

16/11/2021 03:00pm to 04:30pm | 11/12/2021 03:00pm to 04:30pm

For further details contact : 8329740387

2 days' workshop on 'Design & Development of Smart DIY Drones'

On December 4th and 5th, 2021, Zeal Polytechnic hosted a two-day workshop on 'Design & Development of Smart DIY Drones' for first-year Diploma students. The workshop was conducted by Prof. Vinod Lavhate, an esteemed expert in the field of drone technology and a dedicated educator. The primary objective of the workshop was to introduce first-year Diploma students to the fundamentals of drone technology, focusing on the design and development aspects. The workshop aimed to provide hands-on experience and practical insights into the world of unmanned aerial vehicles. Prof. Vinod Lavhate provided a comprehensive overview of drone technology, including the components, working principles, and various applications. The session included a theoretical foundation for the subsequent hands-on activities. Students were introduced to the assembly and disassembly of drone components. Prof. Vinod Lavhate demonstrated the integration of electronic systems and sensors.

A brief recap of the previous day's sessions. Students had the opportunity to ask questions and seek clarifications. Students actively participated in assembling and programming their own DIY drones under the guidance of Prof. Vinod Lavhate. Troubleshooting techniques and best practices were discussed. Students showcased their completed DIY drones. Prof. Vinod Lavhate provided feedback and insights. Feedback from students indicated a high level of enthusiasm and satisfaction with the workshop. Participants appreciated the hands-on approach, finding it instrumental in reinforcing theoretical concepts. Prof. Vinod Lavhate's guidance and expertise were commended for making complex technology accessible to beginners. The two-day workshop on 'Design & Development of Smart DIY Drones' conducted by Prof. Vinod Lavhate at Zeal Polytechnic was a resounding success. It not only introduced students to the exciting field of drone technology but also empowered them with practical skills that will prove valuable in their academic and professional journeys. Zeal Polytechnic looks forward to organizing more such hands-on workshops to continually enrich the educational experience of its students.

ZEAL INSTITUTES 25th Anniversary
ZEAL POLYTECHNIC, PUNE
Department of Electrical Engineering

DRONE

2 Days Workshop (Including Drone Piloting Training)
DESIGN & DEVELOPMENT OF SMART DIY DRONES

Registration Fees **499/-** Per Head

04th & 05th December 2021
Last Date of Registration: 30th November 2021

Build & Fly Your Drone
Design | Coding | Sensors | Electronics | Application

Eligibility : Second & Third Year Diploma Engineering Student of All Branches

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9822110656@rcpl

Seminar Hall, 5th Floor, 'E' Building,
Zeal Polytechnic, Pune

Co-ordinator & Trainer
Prof. Vinod Lavhate

Book Your Seat Now :- Call or Whatsapp : 9822 11 0656

Student Achievement

Sr. No.	Name of Students	Percentage	Year
01.	KSHATRIYA SAMRUDDHI AVINASH	89.714 %	FIRST YEAR
02.	SIDDHARTH SANJAY NALERAP	88.714 %	
03.	ARTI BALAJI RAMESH	88.429 %	

Sr. No.	Name of Students	Percentage	Year
01.	DHOTRE VAISHNAVI SACHIN	92.533 %	SECOND YEAR
02.	NIKAM VIVEK PRASHANT	92.267 %	
03.	BANGAR SUDARSHAN RAOSAHEB	91.733 %	
04.	MRINAL MORE	91.733 %	

Sr. No.	Name of Students	Percentage	Year
01.	TANMAY KUMBHAR	94.444 %	THIRD YEAR
02.	NUPOOR KALE	94.444 %	
03.	DEO SANJANA DIPAKK	93.333 %	
04.	SHIRSAGAR HERAMB ASHOK	92.778 %	
05.	VEDANSHOO VIJAY KADAM	92.778 %	

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