ZEAL POLYTECHNIC

DEPARTMENT OF COMPUTER ENGINEERING

NEWS LETTER

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

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 conductive 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.

PROF. VIJAY MOHITE
ME (Computer), LMISTE Head of Department,
Computer Engineering
Zeal Polytechnic, Pune

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

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

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

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.
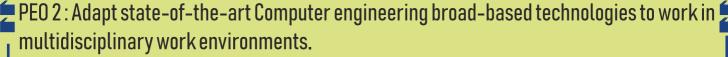
Mission

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.

Zeal Polytechnic, in honor of Swami Vivekananda Jayanti and Jijamata Jayanti, organized a vibrant celebration on Youth Day. The event, centered around the ideals of Swami Vivekananda, aimed to inspire and empower the youth. The Computer HOD played a pivotal role in inviting the principal for the pratima poojan of Swami Vivekananda and Jijamata. The celebration also featured an array of activities that showcased the spirit and enthusiasm of the students.

The Youth Day celebration took place on 12/01/2024   at Zeal Polytechnic. The activities commenced at 2 pm. Students from the first and third year, with one division each, actively participated in the pratima poojan . The principal Prof. Ayub Tamboli Sir was invited by the Prof.V.B Mohite Sir ,HoD/CO   to conduct the pratima poojan of Swami Vivekananda and Jijamata, symbolizing reverence and respect for the ideals they represent.

Students, particularly from the first and third-year divisions, actively engaged in a creative activity by inscribing inspiring slogans of Swami Vivekananda on the walls. The slogans served as visual reminders of the principles advocated by Swami Vivekananda. And also girls demonstrated their creativity and artistic talents. The participants utilized vibrant colors, intricate patterns, and innovative designs to create stunning rangoli artwork. The rangoli designs were crafted with a thematic approach, incorporating elements that symbolize the principles and teachings of Swami Vivekananda.

The Youth Day celebration at Zeal Polytechnic, commemorating Swami Vivekananda Jayanti and Jijamata Jayanti, was a resounding success. The active participation of students in activities such as pratima poojan, rangoli Making, wall slogans, and cultural performances showcased their enthusiasm and commitment to the values of Swami Vivekananda. Zeal Polytechnic remains dedicated to fostering a holistic development environment for its students and looks forward to organizing similar events in the future

The Computer Engineering Department at Zeal Polytechnic, Pune, organized a compelling event in observance of World Cancer Day on February 3, 2024. The event, a cancer awareness session, featured esteemed guests including Vidita Powale Who is Surgical oncologist at aditya birla hospital , Priya Gurav Who is Marketing Officer, and Kajal Mam Who is Nurse. The event was scheduled to commence at 1:30 pm. The distinguished guests, Vidita Powale, Priya Gurav, and Kajal Mam, arrived at the venue at 1:00 pm. Their presence added significant value to the event, reflecting the importance of collaborative efforts in raising cancer awareness.

The program began with a warm welcome from Prof. Tejal Panmand Mam, who took charge of saluting the audience and initiating the event. The proceedings commenced with a traditional gesture of taking blessings from Maa Saraswati, symbolized by the lighting of the diya. Then introduced Vidita Powale, the guest speaker for the event. The introduction highlighted Vidita Mam journey and expertise in the field of cancer awareness, setting the stage for an insightful session. Prof. Puri Sir, Prof. Biradar Mam, and Prof. Sayali Deo Mam extended their gratitude by felicitating the guests. The gesture acknowledged the valuable contributions of Vidita Powale, Priya Gurav, and Kajal Mam to the event and the cause of cancer awareness.

Vidita Powale took the stage for the guest lecture on cancer awareness. Her session covered various aspects, including the importance of early detection, lifestyle modifications for prevention, and the latest advancements in cancer treatment. The interactive session engaged the audience and provided them with valuable insights into the complexities of cancer.

After the enlightening and impactful session on World Cancer Day the responsibility of expressing gratitude on behalf of all students fell on the capable shoulders of the Vice President Purva Mathpati . The vote of thanks marked the conclusion of a successful and meaningful event. The Vice President took charge of this important task with grace and sincerity.

The World Cancer Day awareness session organized by the Computer Engineering Department at Zeal Polytechnic proved to be an enlightening and impactful event. The presence of esteemed guests, coupled with Vidita Powale's insightful lecture, contributed significantly to the success of the program. The event served its purpose by not only spreading awareness about cancer but also fostering a sense of unity in the collective fight against this prevalent health concern.

On 8 March, in celebration of International Women's Day, the Department of Computer Engineering at Zeal Polytechnic organized a donation drive to provide hygiene products to blind girls at Sai Seva Sansthan. The event aimed to address the specific needs of visually impaired women and promote hygiene and well-being within the community.

Event Highlights:

Hygiene Product Donation: Various hygiene products such as sanitary pads, soap, shampoo, toothpaste, and other essentials were collected from faculty, staff, and students of Zeal Polytechnic. These donations were then sorted and prepared for distribution to the blind girls at Sai Seva Sansthan.

Visit to Sai Seva Sansthan: A delegation from the Department of Computer Engineering, along with volunteers, visited Sai Seva Sansthan to deliver the donated hygiene products. They were warmly welcomed by the staff and residents of the institution.

Interaction and Engagement: The visit provided an opportunity for interaction and engagement with the blind girls at Sai Seva Sansthan. Volunteers shared information about the importance of personal hygiene and provided demonstrations on the proper use of hygiene products.

Impact and Gratitude: The donation drive had a significant impact on the recipients, ensuring that they have access to essential hygiene products to maintain their health and well-being. The staff and residents of Sai Seva Sansthan expressed their heartfelt gratitude to the Department of Computer Engineering at Zeal Polytechnic for their generosity and support.

Conclusion: The Women's Day Hygiene Product Donation Drive organized by the Department of Computer Engineering at Zeal Polytechnic was a resounding success.

On World Orphanage Day, The Department Of Computer Engineering , Zeal Poly undertook a meaningful initiative by organizing a donation drive and a visit to Madhyamik Ashram Shala located at Nasrapur. This report details the activities conducted during the visit, including contributions made by college faculty and students to uplift the lives of the children at the ashramshala.

The visit to Madhyamik Ashram Shala took place on 06/01/2024, with the departure from Zeal College at 10 am. The team reached Nasrapur at 11 pm. A total of 29 students, comprising first, second, and third-year students, along with 4 faculty members, formed the delegation from Zeal College. The visit aimed to bring joy and happiness to the children at Madhyamik Ashram Shala. The college delegation organized various activities, including games, singing sessions, and speeches.

A heartwarming singing session took place, with the children singing songs on motherhood And Povada on Shivaji Maharaj. This activity created a joyful atmosphere and strengthened the bond between the college delegation and the children. Students And Faculty from Zeal Poly delivered speeches on the importance of unity, compassion, and the shared cultural heritage that binds us all. They also performed a rendition of Parthna "Hich Amchi Parthna Ani Hech Amche Magne," resonating the spirit of togetherness.

Then After Some Time Zeal College contributed essential items to Madhyamik Ashram Shala, including grains, snacks and clothing. These items were donated to support the well-being and daily needs of the children.

Zeal College recognized the academic achievements of the children at Madhyamik Ashram Shala by presenting prizes to those who excelled in their studies. This gesture aimed to encourage and motivate the children to pursue education diligently. and also prizes were distributed to children who displayed exceptional talent in singing.

The combined efforts of Zeal College in organizing the donation drive and visit to Madhyamik Ashram Shala on World War Orphanage Day have made a significant positive impact on the lives of the children. This initiative not only provided material support but also created memorable experiences and moments of joy for the children at Nasrapur. Zeal College remains steadfast in its commitment to community engagement and looks forward to continuing such initiatives in the future.

On the occasion of Science Day, the Department of Computer Engineering at Zeal Polytechnic College organized a Science Project Exhibition cum Competition. The event aimed to promote scientific inquiry and innovation among students and foster a culture of academic excellence. Students from all years and departments of the polytechnic participated in this institute-level celebration.The Science Day celebration commenced with great enthusiasm as students eagerly presented their science models, demonstrating their creativity and technical skills. A total of 21 groups participated, each showcasing unique ideas and innovations. To ensure fair evaluation, esteemed judges Prof.Dipali Bhujang Mam and Prof.Vaishali Gavade Mam were invited by Prof. V.B Mohite Sir, the Head of the Computer Engineering Department. The judges meticulously evaluated each project based on its creativity, scientific merit, and practical application..

Winning Projects:

After careful deliberation, the following projects were awarded prizes:

First Prize: The group presenting the concept of a "water-fueled engine" they are from FYCO received the first prize. Their innovative approach captured the attention of the judges with its potential for sustainable energy solutions.

Second Prize: The creators of a "voice-activated lamp using Arduino technology" from TYEE secured the second prize, demonstrating the intersection of technology and convenience.

Third Prize: The third prize was awarded to the creators of a "grass cutter" from FYEE, showcasing practical applications of engineering principles. Certificates of participation were distributed to all participants, acknowledging their efforts and contributions to the celebration of science. Additionally, the winning teams were honored and applauded for their outstanding achievements.

The Science Day celebration at Zeal Polytechnic College was a resounding success, highlighting the ingenuity and talent of its students. Through initiatives like these, the college remains committed to nurturing a culture of scientific inquiry and innovation, shaping future leaders in the field of technology and engineering.

On March 28, 2024, the Poetry Exhibition and Literature Association, in collaboration with the Computer Department of Zeal Poly, organized an event to celebrate the rich literary heritage of the Marathi language and commemorate the legacy of the esteemed poet Kusumagraja. The event was held on the occasion of Marathi Language Day, adding an extra layer of significance to the celebration. Alongside the event, a library named "Sahitya Sahwas" was developed to promote Marathi literature and provide resources for students and enthusiasts.

Event Highlights:

Inauguration: The event commenced with an inaugural ceremony graced by Honorable Director Uddhav Sheed Sir and Principal Ayub Tamboli Sir And Prof.V.B Mohite Sir ,the Head of the Computer

Engineering Department. Their presence added significance and encouragement to the initiative.

Poetry Presentation: Students from all departments were invited to participate and showcase their poetic talents. Over 70 poems were presented, reflecting diverse themes and styles, thus creating a vibrant atmosphere of literary expression.

Library Development – Sahitya Sahwas: In conjunction with the event, the development of a new library named "Sahitya Sahwas" was announced. This library is dedicated to Marathi literature and serves as a repository of literary works, research materials, and reference books. It aims to provide students and enthusiasts with access to a wide range of resources to explore and appreciate Marathi literature.

Celebration of Marathi Language: Throughout the event, there was a profound celebration of the Marathi language. Participants expressed their love for the language through poetry, discussions, and interactions, fostering a deeper appreciation for its cultural significance.

Conclusion: The event, held on the auspicious occasion of Marathi Language Day, coupled with the

establishment of the "Sahitya Sahwas" library, served as a significant milestone in promoting Marathi literature and fostering a culture of literary appreciation within the institution. By providing a platform for creative expression and access to literary resources, the event aimed to inspire a new generation of readers and writers passionate about Marathi literature.

Acknowledgment: The organizers extend their heartfelt gratitude to Honorable Director Uddhav Sheed Sir, Principal Ayub Tamboli Sir, and all participants for their enthusiastic support and participation in making the event and the development of "Sahitya Sahwas" library a success.

ENGINEER'S DAY

The department of computer Engineering, Zeal Poly organized a Blind Coding Competition on the behalf of computer engineering student association in the integrated campus on 15th Sep. 2023. This day is celebrated by all members of the department i.e., including Second Year, Third Year. Prof.V.B.Mohite Sir , HoD/CO welcomed the gathering Of The principal Prof..Ayub Tambol Siri, Prof.Vijay Shinde.

The programme began in the afternoon by 2:00 PM . All the Co-ordinators and Volunteers indulge in the work of programme. SY &TY students lead the main role in the management of the programme. in any language. Out of 55 participants, 10 students were selected for the second round. The second L2 round was also a Coding round in which the selected Student were asked to write the Advanced programming in any language. Out of 10 participants, 3 students were selected as a Winner.

There were two rounds in the blind coding contest. The first L1 round was programming round in which the participants were asked to write the programming

All the students of Computer Department actively participated in the coding contest. The students have effectively enhanced the relevant knowledge through coding contest. After the completion of event, Prof.V.B.Mohite, HoD/CO appreciated the students for their active participation in the event. Totally 55 students participated the event. Prof T.S.Panmand (event Co-ordinator),ALL Computer Department LR,CR And Volunteers have made all the arrangements.

WINNERS OF BLIND CODING CONTEST

Name of Student	Rank Achieved
Siddharth Nale(TYCO_A)	FIRST
Adnan Ahtas(TYCO_A)	SECOND
Vedant Bhelhe(SYCO_B)	THIRD

Report Topic : Zeal Polytechnic Students Compete at MSBTE State Level Paper Presentation

Zeal Polytechnic is pleased to announce the participation of students Samruddhi Avinash Kshatriya and Purva Prashant Mathapati in the recent MSBTE State Level Paper Presentation Competition held on 29/01/2024 at Sou. Venutai Chavan Polytechnic, Pune.

Paper Topic and Focus:

Samruddhi and Purva presented a paper titled "Automated Blood Donation Bot" focusing on the concept of Blood Donation. Their research explored how technology can be leveraged to:

1.Increase awareness about blood donation needs within the community.

2.Streamline the blood donation process for both donors and healthcare institutions.

3.Potentially improve accessibility to blood donation for those in remote areas or with limited mobility.

Competition Details:

The MSBTE State Level Paper Presentation Competition is a prestigious event that brings together talented students from across the state to showcase their research and innovation skills. This year's competition saw participation from various polytechnic institutes, with presentations on diverse topics relevant to applied science and technology fields.

Zeal Polytechnic's Commitment to Innovation:

Purva and Samruddhi's participation in this competition reflects Zeal Polytechnic's commitment to fostering a culture of innovation and social responsibility among its students. The "Blood Donation Bot" concept exemplifies the institution's emphasis on:

1.Encouraging students to address real-world challenges through technological solutions.

2.Developing critical thinking and problem-solving skills.

3.Promoting the responsible use of technology for social good.

Report Topic : Zeal Polytechnic Students Compete at MSBTE State Level Paper Presentation

Student Achievement

MSBTE SUMMER – 2024 EXAMINATION
FIRST YEAR: COMPUTER ENGINEERING
List of Toppers

Sr. No.	Name of the Student	Percentage (%)	Sr. No.	Name of the Student	Percentage (%)
1	GADHAVE NIKITA BHAGWAN	95.29	18	DAREKAR AAYUSH ARVIND	92.12
2	DEVANSHI DINESH SINGH THAKUR	93.77	19	SAKSHI SUHAS PHARANDE	91.88
3	SHIGWAN ANURAG SANJAY	92.94	20	PAWAR SIDDHI GANESH	90.59
4	KAVYANJALI CHAUDHARI	92.82	21	PRACHI SUHAS PAWAR	90.47

MSBTE SUMMER – 2024 EXAMINATION
SECOND YEAR: COMPUTER ENGINEERING
List of Toppers

Sr. No.	Name of the Student	Percentage (%)	Sr. No.	Name of the Student	Percentage (%)
1	MAHADIK VEDANTIKA ANIL	96.80	18	TAMANNA DASTAGIR SHAIKH	92.53
2	BHELE VEDANT DEEPAK	96.53	19	ASUNDI SAMRUDDHI SHIVLING	92.27
3	NANNAJKAR VAISHNAVI GANESH	96.00	20	SHIVARKAR ISHA SANJAY	91.87
4	MAYURI MAHENDRA KUMBHAR	95.60	21	GURAV DIKSHA SANJAY	91.73
5	MATE ANUSHKA SANJAY	95.20	22	TONDE SAMIKSHA ANANTA	91.73
6	SHREYA SANJAY KANHEKAR	95.20	23	KHADE PRANAV JANARDAN	91.73
7	GAIDHANKAR LAXMAN B	94.53	24	SONAL SHIVAJI GUND	91.73
8	ABHITA S	94.53	25	DASWADKAR PIYA PRAKASH	91.33
9	DALVI SHRUTI MANOJKUMAR	94.53	26	GHANEKAR TANMAY MUKESH	91.33
10	SUTAR SHUBHAM TUKARAM	94.40	27	GOVIND YUKTA DNYANESHWAR	91.20
11	WALUNJKAR SAKSHI SANTOSH	94.13	28	ANDHARE TUSHAR UJWALA	91.07
12	PISE SANIKA KISAN	93.73	29	PUDAKE HARISH SANTOSH	91.07
13	SHINDE PARTH NITIN	93.60	30	SHINDE YASH PRADEEP	90.67
14	GURAV SHREYA RAMKRISHNA	93.20	31	PRADHAN SAGAR SANTOSH	90.53
15	SATHE APURVA BALKRUSHNA	92.80	32	POLEKAR VAISHNAVI ANANTA	90.27
16	SHELKE SARTHAK DILIP	92.80	33	BHISE MAYURI DATTATRAY	90.13
17	LABHASETWAR VAISHNAVI SANTOSH	92.80	34	SALVE VAIBHAVI PRAVIN	90.00

MSBTE SUMMER – 2024 EXAMINATION
THIRD YEAR: COMPUTER ENGINEERING

List of Toppers

Sr. No.	Name of the Student	Percentage (%)	Sr. No.	Name of the Student	Percentage (%)
1	KSHATRIYA SAMRUDDHI AVINASH	97.06	9	MHETRE SOHAM MADHUKAR	93.29
2	BAGWAN ARSHAD HAMID	96.82	10	AHTAS ADNAN KAIDJOHER	92.82
3	BORADE PAYAL CHANDRAKANT	96.35	11	PADHAR YASHRAJ KHANDESHVAR	91.77
4	NALE SIDDHARTH SANJAY	96.12	12	TIBILE SAKSHI SANJAY	91.18
5	BHANDARI SATYAJIT ASHOK	95.65	13	RAPARTI BALAJI RAMESH	91.06
6	PATIL ANUSHKA MANOJ	94.35	14	JADHAV POOJA RAM	90.94
7	NANNAJKAR TANVI GANESH	94.12	15	THAKRE BHOOPENDRA G.	90.35
8	HULE VEDANT VIJAY	94.00	16	PAKHALE SAKSHAM VIJAY	90.12

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