Prestige – Chronicles

■ Newsletter   ■ VOL– X   ■ Issue – 2   ■ Dec - 2024

▪ Inside this Issue

▪ Vision of the Institute

Strive continuously for academic excellence by providing best contemporary, functional education and endeavoring to attain supreme engineering educational excellence, through sincerity of motive and focused efforts.

▪ Mission of the Institute

To prepare students to succeed in information-directed and technology-driven global economy to become global citizens through effective teaching and learning processes with strong practical exposure.

▪ Vision of the Department

To play significant role for achieving academic excellence and develop sincere, motivated Computer Science & Engineering graduate with knowledge, aptitude and skills to be suitable for real world problem solving.

▪ Mission of the Department

- To facilitate budding engineers to learn with passion
- Provide maximum exposure to recent trends and technologies
- Provide specialized learning opportunities with real world problems
- Emphasis on ethical practices and team work

▪ Program Educational Objectives (PEOs)

PEO1: Be successful professional with exposure to technology, knowledge, skills relevant to ICT Industry

PEO2: Be able to contribute in synthesizing solutions for real world problem by working in team

PEO3: Become sincere professional, keen learner, motivated and follower of ethical practices

▪ Program Specific Outcome (PSOs)

PSO1: Students become aware of recent software/hardware tools, technologies and processes

PSO2: Students become enabled to develop moderate level application by following software development process and tools

PSO3: Students become ready to work in team for industry

▪ About this Issue

Volume 10, Issue 2 of "Prestige Chronicles" encapsulates the vibrant academic and extracurricular activities carried out by the Department of Computer Science and Engineering during the July–December 2024 semester. The department upheld its commitment to student development, research promotion, interdisciplinary learning, and community outreach through diverse technical sessions, workshops, industrial visits, expert interactions, and creative competitions.

▪ Message from the Desk of Senior Director

Dr. Manojkumar Deshpande, Senior Director, PIEMR, Indore

This newsletter reflects the comprehensive educational and innovative ecosystem our CSE department strives to build. The activities this semester have seamlessly blended academic learning with hands-on experiences and global exposure. Congratulations to the team for consistently delivering excellence in all dimensions.

▪ Activities

▪ Boot Camp 5.0

Boot Camp 5.0 was conducted from 5th to 10th August 2024 under the coordination of Dr. Charu Vaibhav Verma. This intensive workshop focused on hands-on simulation and system modeling using MATLAB. Participants were exposed to real-time examples, control system design, and signal processing concepts that strengthened their analytical skills and technical understanding.

The workshop featured guided practice sessions, simulation labs, and feedback discussions, creating a robust learning environment for the 100 student participants. The students appreciated the practical depth of the content, and the camp concluded with a model design challenge, where learners showcased their understanding through creative applications.

▪ Cyber Infrastructure Services (CIS), Indore Visit

Cyber Infrastructure Services (CIS), Indore Visit on 13th December 2024 was coordinated by Mr. Himanshu Bagwaiya. The industrial visit offered 71 students insights into enterprise-level cybersecurity systems, network infrastructure, and cloud security solutions employed by CIS.

During the visit, students explored operational data centers and interacted with IT professionals, which bridged their classroom knowledge with real-world applications. The

experience was highly informative and left the students inspired to explore careers in cybersecurity and system administration..

▪ Determination Over Circumstance

Determination Over Circumstance, held on 27th November 2024 and coordinated by Dr. Charu Vaibhav Verma, was an impactful motivational session attended by 300 students. The talk emphasized resilience, time management, and adapting to adversity, drawing examples from real-life success stories.

The session helped students connect emotionally with their academic and personal challenges, fostering self-belief and determination. Post-event feedback reflected a positive shift in participants' mindset toward setting long-term goals and overcoming obstacles.

▪ Research Innovation – A Multidisciplinary Approach

Research Innovation – A Multidisciplinary Approach was organized on 2nd December 2024 by the MATLAB Club and coordinated by Dr. Charu Vaibhav Verma. The expert session introduced 30 student researchers to inter-disciplinary research methodologies, the use of MATLAB for simulation, and strategies to publish in reputed journals.

The session included discussions on emerging trends like bioinformatics, intelligent systems, and data-driven simulations. The interactive nature of the session promoted idea exchange, and students gained clarity on framing impactful research problems..

▪ Machine Learning & Deep Learning Workshop

Machine Learning & Deep Learning Workshop, conducted on 14th November 2024 by the AI Club under the coordination of Dr. Charu Vaibhav Verma, saw participation from 180 students. The workshop focused on supervised learning algorithms, neural network models, and data visualization techniques using Python and TensorFlow.

The hands-on exercises included classification tasks, data preprocessing, and live model building, enhancing student engagement. The event ended with a quiz and project idea presentations, further motivating students to pursue applied AI research.

▪ MATLAB Day

MATLAB Day, hosted on 1st March 2024 and coordinated by Dr. Charu Vaibhav Verma, celebrated the power of simulation in modern engineering education. The event attracted 350 participants and featured simulation competitions, demonstrations of Simulink, and expert-led sessions.

Students interacted with real-life modeling tools and worked on team-based simulation challenges. This large-scale event reinforced the importance of MATLAB in control systems, machine learning, and image processing domains.
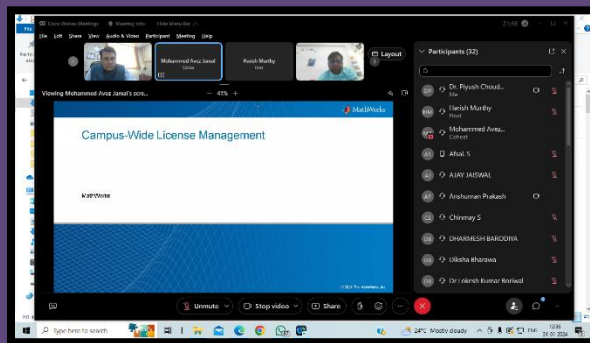

▪ Onboarding Meeting on MATLAB & Simulink Campus Wide License

Onboarding Meeting on MATLAB & Simulink Campus Wide License, conducted on 31st January 2024, introduced 43 participants to the functionalities and institutional access provided through the campus-wide license. Coordinated by Dr. Charu Vaibhav Verma, the session provided faculty and students with guidance on installation, features, and application domains.

Participants explored academic modules, automation tasks, and collaborative research utilities through live demonstrations. The initiative is expected to improve institutional productivity and student readiness for global software standards.

participants, the session discussed workplace ethics, reporting mechanisms, and the role of ICC.

Case studies and interactive discussions ensured engagement, and participants expressed better understanding of institutional policies and safeguards. The program reinforced PIEMR's zero-tolerance approach toward workplace misconduct.

▪ **Canvas of Tomorrow**

▪ **Internal Employee Training on PoSH Act 2013**

Internal Employee Training on PoSH Act 2013, held on 31st August 2024 and coordinated by Dr. Aradhana Negi, aimed to promote awareness about the Prevention of Sexual Harassment Act among staff and faculty members. Attended by 110

Canvas of Tomorrow, conducted on 19th September 2024 under the coordination of Dr. Charu Vaibhav Verma, was a national-level digital poster competition that drew 254 participants. The event encouraged students to express futuristic ideas through visual design, innovation, and storytelling.

Themes included AI for sustainability, smart cities, and space tech. Judges appreciated the originality, and winners were felicitated

during a closing ceremony. The event cultivated creative communication and awareness of emerging technologies.

▪ AI & ML Code Lab

AI & ML Code Lab, organized by Mr. Atul Barve on 13th September 2024, provided 112 students with hands-on exposure to core machine learning techniques. The workshop focused on basic ML pipeline creation, model tuning, and real-time analytics using Python libraries.

Students engaged with datasets and built predictive models, enhancing their confidence in applying AI tools to real-world scenarios. The interactive lab sessions helped bridge the gap between theory and implementation.

▪ Cyber Security Awareness Program

Cyber Security Awareness Program, held on the same day and coordinated by Prof. Neha Jain, used a skit format to convey critical cyber safety messages to 120 students. Topics such as phishing, social engineering, and ethical digital behavior were creatively performed.

The dramatized approach fostered retention of concepts and brought attention to daily digital vulnerabilities. Students expressed enthusiasm for the format and appreciated the message delivery

▪ Digital Arrest and Cyber Crime

Digital Arrest and Cyber Crime, conducted on 10th December 2024 and coordinated by Dr. Ritesh Joshi, was attended by 180 participants. The session addressed growing online threats and the legal landscape for cyber crimes.

Using real-life case studies, the expert explained prevention techniques, reporting mechanisms, and the significance of cyber laws in India. Students showed keen interest and asked insightful questions throughout.

vCode: A Group Coding Competition

curriculum integration. It paved the way for international knowledge exchange and inspired new project ideas..

AR, VR and Gaming Demonstration

vCode: A Group Coding Competition, coordinated by Dr. Aradhana Negi on 14th September 2024, drew inter-college participation with 120 students forming dynamic coding teams. Challenges tested logic, speed, and team collaboration.

The competition served as a platform to identify and nurture competitive programming talent. Winners were awarded certificates and goodies, and the event was hailed for its high-quality problem sets.

AR, VR and Gaming Demonstration, conducted on 20th December 2024 and coordinated by Mr. Avijeet Vyas, involved 20 students experimenting with immersive design tools. The session demonstrated hardware-software integration for AR/VR applications.

Students got to explore Unity and Unreal Engine, witnessing how game environments and simulations are crafted. It promoted interest in game development and 3D interfaces.

International Meeting on AR, VR and MR

International Meeting on AR, VR and MR, hosted on 20th November 2024 and coordinated by Dr. Piyush Choudhary, was a niche expert session with Dr. Yuvlon from Tokyo. Attended by eight faculty members, the session introduced cutting-edge developments in immersive technology.

The meeting emphasized research collaboration opportunities and future

Workshop on How to Choose the Right Domain

Workshop on How to Choose the Right Domain, organized on 29th November 2024 by Mr. Harsh Sahu, helped 200 students reflect on their strengths and align their careers with suitable tech domains.

The session featured a structured framework to identify career pathways in AI, cybersecurity, development, and research. Personalized worksheets and Q&A support ensured effective self-assessment.

Expert Talk and Faculty Interaction by Dr. Aekta Aggarwal

Expert Talk and Faculty Interaction by Dr. Aekta Aggarwal, held on 1st August 2024 and coordinated by Dr. Yakuta Tayyebi, fostered meaningful discussions on publishing strategies and interdisciplinary research.

With 42 faculty in attendance, the talk covered grant writing, academic productivity tools, and collaborative practices. The session was motivating and offered actionable insights..

IUCEE Briefing Session

IUCEE Briefing Session, conducted on 7th December 2024 by Dr. Purva Sharma, introduced 38 faculty members to the Indo-Universal Collaboration for Engineering Education. It focused on pedagogical reform and international academic standards.

Participants learned about certification programs, global classroom initiatives, and future IUCEE-led workshops. It encouraged cross-institutional collaboration and teaching excellence.

Evidence-Based Pedagogical Practices

Evidence-Based Pedagogical Practices, a two-day workshop from 2nd to 3rd September 2024 and coordinated by Dr. Purva Sharma, engaged 67 faculty members in active learning techniques.

Sessions focused on research-backed teaching strategies, classroom analytics, and inclusive pedagogy. Participants practiced flipped classroom methods and peer teaching activities.

Devfest 2k24

Devfest 2k24, conducted on 21st December 2024 by the Google Developer Group (GDG) and coordinated by Dr. Yakuta Tayyebi, served as the annual flagship event for student developers.

The fest included tech talks, coding contests, and hack sessions. Although attended by 20 participants, the quality of interaction was high, and students explored Google Cloud, Flutter, and Firebase tools.

Lit Chowk

Lit Cowk, organized by Mr. Ashish Sanvatsar from 20th–22nd December 2024, was a unique creative event featuring mono-acting and mimicry performances on cyber ethics and "Digital Arrest."

With 120 student participants, the theatrical format helped convey complex ethical dilemmas in a relatable way. It was a refreshing blend of creativity and awareness-building.

Heartiest Welcome

☛ **Mr. Avijeet Vyas**
☛ **Ms. Neha Jain**
☛ **Dr. Soma Saha**

Forthcoming Events

☛ ICT Reddington Training
☛ DQAC Meeting
☛ Web3 and Blockchain: Pioneering the Next Internet Revolution
☛ Building Your Future with AWS: Fundamentals and Career Pathways by Mr. Sanket Saxena

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Prestige Chronicles – Newsletter of Department of Computer Science and Engineering of PIEMR, Indore
"Department Accredited by NBA"

News Letter Committee

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