

# Prestige – Chronicles

▪ Newsletter ▪ VOL– VII ▪ Issue - 1 ▪ Jun - 2021

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## ▪ 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

We are pleased to present the first issue of Volume 7 of "Prestige Chronicles," the biannual newsletter of the Department of Computer Science and Engineering at PIEMR, Indore. Covering January to June 2021, this edition focuses on academic activities, workshops, and events conducted during the COVID-19 pandemic. Despite the challenges of remote learning and virtual engagement, our department remained committed to academic excellence through a series of online programs, webinars, and collaborative initiatives..

### ▪ Message from the Desk of Director



**Dr. Manojkumar Deshpande,**  
**Director, PIEMR, Indore**

During this unprecedented period of online learning and remote engagement, I am proud of the Department of Computer Science and Engineering for continuously striving to maintain the academic momentum. This issue of the newsletter is a testament to our resilience, innovation, and dedication towards providing quality education through virtual platforms. I congratulate the entire team for their efforts and look forward to even greater milestones.

**Prestige Family will miss you forever**



**Dr. RajKamal**  
Professor Emeritus, PIEMR

### ▪ Activities

#### ▪ AICTE-ISTE Sponsored Refresher Programs on "Smart Grid, IoT & Green Energy Building"

The Department of Computer Science and Engineering in association with the Department of Civil Engineering successfully organized a one-week online AICTE-ISTE Sponsored Refresher Program from 16th to 22nd February 2021. The program focused on Smart Grid Technologies, Internet of Things (IoT), and innovations in Green Energy Building. It provided an in-depth understanding of smart infrastructure and its integration with sustainable energy models.

The program was coordinated by Dr. Piyush Choudhary, Professor & Head, CSE and Dr. Raksha Parulkar, Professor & Head, CE. A total of 60 faculty participants from across the country joined the virtual sessions. The program was supported by a grant of Rs. 93,000 from AICTE. Participants appreciated the quality of

content, expert interactions, and practical insights offered during the week.

### ▪ AICTE-ISTE Sponsored Refresher Programs on "Smart Grid, IoT & Green Energy Building"

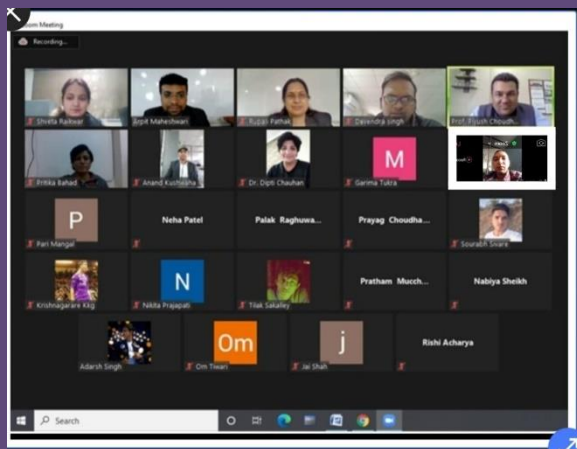
Following the success of the February session, the department organized another week-long AICTE-ISTE Sponsored Refresher Program from 16th to 22nd March 2021. With the same theme and structure, the program aimed to expand upon the integration of IoT in energy-efficient buildings and explore smart solutions for grid management and monitoring.

Again coordinated by Dr. Piyush Choudhary and Dr. Raksha Parulkar, this session also witnessed 60 participants and was conducted through an interactive online platform. The program was funded with an additional grant of Rs. 93,000 from AICTE. The consistency in participation and feedback highlighted the relevance of the subject matter in the context of India's energy goals.week.

### ▪ AICTE-ISTE Sponsored Refresher Program on "Smart Grid, IoT & Green Energy Building"

The third AICTE-ISTE sponsored refresher program in the series was held from 13th to 19th April 2021, marking a significant milestone in the department's continuous outreach and upskilling initiatives. This iteration included sessions on regulatory frameworks, case studies in green infrastructure, and advanced automation using IoT systems.

The program was jointly coordinated by Dr. Piyush Choudhary (CSE), Dr. Raksha Parulkar (CE), and Ms. Sadhana Tiwari, Assistant Professor (ECE). The seven-day event saw enthusiastic participation from 60 attendees and was made possible through another Rs. 93,000 AICTE grant. The multidisciplinary collaboration among CSE, CE, and ECE departments added greater depth to the sessions and broadened the learning outcomes for the participants.



### ▪ IIT Bombay Spoken Tutorial on Python

Organized under the renowned IIT Bombay Spoken Tutorial program, this online course

ran from 10th to 31st January 2021. It provided participants with a solid introduction to Python programming language, focusing on syntax, scripting, and problem-solving techniques. The course was designed to support beginner learners with hands-on tutorials and quizzes.

The program was coordinated by Mr. Arpit Maheshwari under the banner of the Coding Club. Students received certificates from IIT Bombay upon successful completion of the course, enhancing their resumes and programming proficiency.

#### ▪ Machine Learning Workshop

A month-long workshop on Machine Learning was conducted from 1st to 30th January 2021 under the Red Hat Club. The workshop covered essential ML concepts including supervised and unsupervised learning, classification, regression, and clustering. Hands-on sessions were conducted using Python and popular libraries such as Scikit-learn.

Mr. Rishi Acharya coordinated the event. The initiative aimed to bridge the gap between classroom learning and industrial expectations by giving students exposure to real-world ML applications.

#### ▪ ESDP on Drone Technology

From 8th February to 6th March 2021, an Entrepreneurship and Skill Development Program (ESDP) on Drone Technology was conducted online. The program was organized by Finovista in association with the Ministry of Electronics & IT, Government of India, and coordinated by Dr. Piyush Choudhary.

The ESDP covered topics including drone components, simulation software, regulatory guidelines, and potential business opportunities in the field of drone technology. Participants were introduced to the growing ecosystem of unmanned aerial vehicles and their applicability in sectors such as agriculture, defense, and surveillance.

Prestige Institute of Engineering Management & Research, Indore  
Entrepreneurship & Skill Development Program – Drone Technology  
From: 08.02.2021 to 06.03.2021



Trainee's Views

#### ▪ Faculty Development Programs Attended

Despite the limitations of the COVID-19 pandemic, the faculty of the Department of Computer Science and Engineering remained committed to continuous learning

and professional development. A wide range of Faculty Development Programs (FDPs), training workshops, and certification programs were attended by the teaching staff, organized by prestigious institutions like AICTE, ATAL, IITs, IIITs, and other national platforms. These programs enriched the academic expertise of faculty and aligned their knowledge with the latest developments in technology and pedagogy.

Dr. Piyush Choudhary, Professor and Head of Department, attended three AICTE-ISTE Sponsored Refresher Programs on “Smart Grid, IoT and Green Energy Building,” held respectively from 16–22 February, 16–22 March, and 13–19 April 2021. Additionally, he successfully completed a Blended MOOC course under ATAL-AICTE, reinforcing his understanding of hybrid teaching-learning models and technical integration in academics.

Dr. Dipti Chauhan, Associate Professor, participated in multiple high-impact FDPs including one by IIIT Bhagalpur on “Communication Networks and Machine Learning” (18–22 Jan 2021). She also attended ATAL-sponsored FDPs on “Cybersecurity Vulnerabilities and Safeguards” (17–21 May 2021) and “AI and IoT-based Technology for Precision Farming and Smart Agriculture” (7–11 June 2021), expanding her domain expertise in applied AI solutions.

Ms. Rupali Pathak, Assistant Professor, contributed to departmental growth by engaging in FDPs like “Machine Learning in

Vision and IoT” at MNIT Allahabad (22–26 Jan 2021) and “Engineering Optimization Techniques and Its Applications” (14–18 June 2021). She also participated in the February session of the AICTE-ISTE Refresher Program on Smart Grid and IoT.

Ms. Pritika Bahad, Assistant Professor, showcased remarkable enthusiasm by participating in a total of seven academic enrichment programs. These included “Applied Machine Learning and Data Science” by IIIT Dharwad (17–21 May 2021), “Artificial Intelligence and Deep Learning” at KARE (31 Dec 2020 – 7 Jan 2021), and a separate AICTE-ATAL session on AI and DL (25–29 Jan 2021). She also engaged in the Smart Grid FDP (April), the EDUREKA AI/ML Workshop (19 May – 19 June 2021), the Guinness World Record Event on Programming (24–25 Apr 2021), and a certification course by IIRS on “Geoprocessing using Python” (18–29 Jan 2021).

Mr. Devendra Singh, Assistant Professor, participated in the February, March, and April editions of the Smart Grid Refresher Program. He also attended significant FDPs such as “Quantum Computing” by IIIT Kottayam (12–16 July 2021), “Data Analytics” by the Centre for Electronics Governance (5–9 July 2021), and a “Regional Research Symposium on Project-Based Learning” (18–19 June 2021).

Mr. Arpit Maheshwari, Assistant Professor, enriched his analytical and decision-making skills through a program on “Advanced Data



Analytics and Decision Making” organized under PMMMNMTT, MHRD. He also attended all three sessions of the AICTE-ISTE FDP on Smart Grid, IoT, and Green Energy Building.

Mr. Ankit Chopra, Assistant Professor, engaged in multiple upskilling programs, notably “AI, Machine Learning and Optimization” by IIIT Allahabad (1–5 Feb 2021), “Big Data Analytics” by AICTE ATAL (25–29 Jan 2021), and “Entrepreneurship Development” by MANIT-ROLTA Incubation (18–30 Jan 2021). He also completed “Python 3.4.3” certification from IIT Bombay and participated in “Quantum Computing” by BIT Mesra (21–25 June 2021) and “Data Science: Unfolding Layers of Knowledge” (Dec 2020 – Dec 2021).

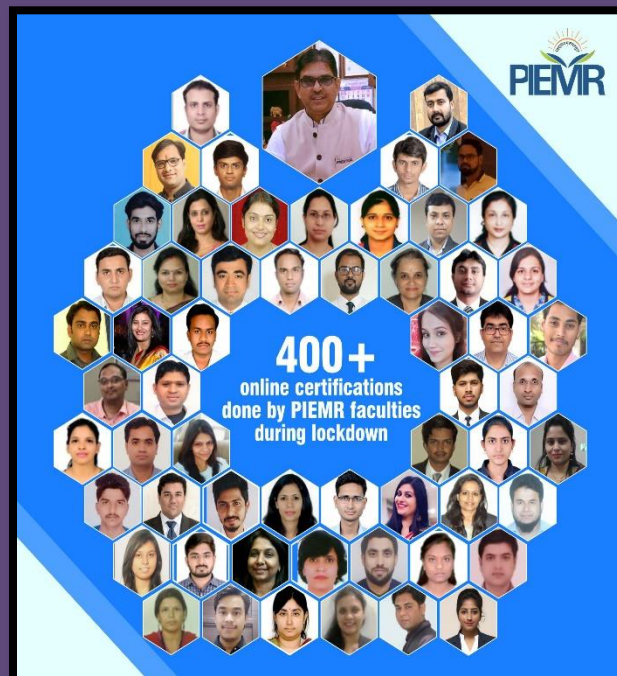
Mr. Rishi Acharya, Assistant Professor, focused on healthcare and vision-based machine learning applications through FDPs like “Combating Cancer: Role of ML Techniques in Prevention and Treatments” (26–30 July 2021) and “Machine Learning and Computer Vision” (21–25 June 2021), both organized by AICTE ATAL.

Ms. Shraddha Sharma, Assistant Professor, showed keen interest in technical skill development by attending six FDPs including “AI-Based Healthcare Technologies” (20 May 2021), “Cybersecurity” by IIT Vadodara (12–16 July 2021), and “Data Science” (1–5 July 2021). She also participated in the April session of the Smart Grid FDP, a simulation workshop on Electrical and Electronics (1 June 2021),

and an AICTE-ATAL FDP on Applied ML and Data Science (17–21 May 2021).

Ms. Pragya Ranka, Assistant Professor, joined hands-on FDPs such as “Advanced Excel with Data Visualization” (31 May – 5 June 2021) and “Introduction to Software Robots and Automation” (7–11 June 2021). She also completed “Python 3.4.3” certification by IIT Kanpur (14–19 June 2021).

These efforts collectively reflect the proactive engagement and commitment of CSE faculty members at PIEMR to remain updated with the latest pedagogical and technological innovations, thereby fostering an enriched learning environment for students.



### Heartiest Welcome

- ☛ Ms. Shraddha Sharma
- ☛ Ms. Pragya Ranka

### Forthcoming Events

- ☛ Online Internships on Advanced Topics
- ☛ Webinar on Self-Motivation
- ☛ Webinar on Understanding AI
- ☛ Industrial visit to TCS

### News Letter Committee

- ☛ Mr. Devendra Singh, Chief Editor
- ☛ Ms. Noorvi Patankar, Student Coordinator
- ☛ Ms. Karali Patil, Student Member

### Contact Details



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