



Dive into the heart of engineering excellence



Nov-Dec 2024

where ideas spark, knowledge flows and achievements resonate. From cutting-edge projects to inspiring success stories, every pulse beats with passion and progress.



Prof. Ram Meghe Institute of Technology and Research Badnera - Amravati



CAMPUS CHRONICLE

Department of Computer Science & Engineering organized one week ATAL FDP on "Integration of Artificial Intelligence with Cyber Security from 25th to 30th November 2024, and has provided valuable insights into AI and cybersecurity. The program was coordinated by Dr. M. A. Pund and co-coordinated by Prof. A. U. Chaudhari. This event provided participants with valuable insights into leveraging AI to strengthen cybersecurity, bridging the gap between academic research and industry practices. The final day featured an engaging session on Cyber Crimes by a representative from the Police Department, Amravati. This followed by the Valedictory Function, where Chief Guest Dr. F. C. Raghuwanshi and Principal Dr. G. R. Bamnote addressed the audience.



The highly anticipated Dream Tech Club for first-year students was officially inaugurated on 7th November 2024, marking a new chapter of innovation and collaboration. The club has been established to encourage participation in various technical activities across renowned institutions, fostering creativity and technical expertise among students. The club's immediate focus is on preparing for the prestigious TechFest organized by IIT Mumbai, where they aim to showcase their talent and compete with some of the brightest minds in the country.





The Mechanical Engineering Student's Association, in collaboration with Dream Tech, organized an Automotive Scale Model Making Workshop on 30th November 2024 in the Mechanical Department Seminar Hall. The workshop provided an engaging platform to explore the fundamentals of automotive design and model crafting for first-year students. With a hands-on approach, participants gained valuable insights into engineering concepts while fostering creativity and teamwork. This successful event highlighted the department's commitment to practical learning and innovation.



Bringing innovation and technical skills to life, the Department of Mechanical Engineering at Prof. Ram Meghe Institute of Technology and Research (PRMIT&R), Badnera, hosted a two-day Drone Development Workshop on 25th and 26th December 2024, in collaboration with MESA and X Dreamtech. The workshop provided students with hands-on training in drone technology, covering topics like aerodynamics, sensors, motor mechanisms, and the construction of Pluto drones, culminating in flying training. With enthusiastic participation, the event bridged the gap between theory and practice, fostering innovation and technical skills among budding engineers. Prof. A. V. Kadu and the organizing team ensured the workshop's resounding success, highlighting PRMIT&R's commitment to cutting-edge education.





The Department of Computer Science & Engineering, PRMIT&R, Badnera, in collaboration with the Computer Society of India (CSI) Chapter, successfully hosted a One-Week Short-Term Training Program (STTP) on the "Role of Artificial Intelligence for Cyber Security" from 25th to 30th November 2024. The program conducted in a hybrid mode, was coordinated by Prof. S. P. Akarte and co-coordinated by Prof. R. A. Meshram. It provided participants with valuable insights into the integration of Artificial Intelligence (AI) to enhance cybersecurity measures, bridging the gap between academic research and industry practices. The event enabled participants to explore cutting-edge AI techniques and their applications in safeguarding digital systems against evolving cyber threats.



PRMIT&R, Badnera had the honor of hosting the TCS Accreditation Committee on 12th December 2024. The esteemed team, which included Mr. Murali Chelappa, Mr. Rohit Kale, Ms. Priyanjali Ogle, and Mr. Vishal Rampalle, conducted a thorough evaluation of various academic and institutional aspects. The visit marked a significant milestone in the institute's ongoing pursuit of excellence, as the committee assessed the alignment of the institute's practices with industry standards. This engagement highlights PRMITR's unwavering commitment to fostering industry collaborations and ensuring that its educational offerings meet corporate expectations, ultimately enhancing the quality and relevance of education for its students.



Esteemed Alumni Revisit PRMIT&R, Badnera to Inspire Budding Engineers

The Mechanical Engineering Department, PRMIT&R, Badnera, witnessed a nostalgic and inspiring event as esteemed alumni from the 1999 and 1997 batches returned to their alma mater to reconnect and inspire the current generation of engineering students.

Notable alumni, Mr. Vikas Mehta (General Manager, Mubea, Chakan, Pune), Mr. Santosh Trivedi (Head of Physics, Fitzee, Delhi HQ), and Mr. Mittal (1999 EXTC batch, New Delhi), visited the department 23rd December 2024. They delivered an insightful motivational speech to first and second-year Mechanical Engineering students, focusing on career opportunities in engineering and the pathway to success in professional life.

The event was graced by the presence of Honorable Principal Dr. G. R. Bamnote and Head of Mechanical Department Dr. A. D. Shirbhate, who felicitated the alumni for their achievements and contributions. Faculty members, including Dr. M. V. Gudadhe, Dr. T. R. Deshmukh and Dr. C. R. Patil attended the program marking a memorable day for the department.

Additionally, Er. Ritesh Pande, a distinguished alumnus from the 1997 Production Engineering batch and currently serving as Senior Vice President (Marketing and Engineering Development) at Fiem Industries Ltd., Pune, made a courtesy visit to the institute on 27th November 2024, along with his family. Despite his busy schedule, Mr. Pande's visit highlighted his unwavering bond with his alma mater.

The Mechanical Engineering Department extends heartfelt gratitude to all alumni for their inspiring presence and contributions to nurturing the next generation of engineers.



STUDENT SPOTLIGHT



PRMIT&R Shines at Aavishkar 2024 with State-Level Selections!

Five innovative projects from PRMIT&R have secured the prestigious Color Coat at Aavishkar 2024 held at SGBAU on 24th December 2024 and all have been selected for the State Level Aavishkar 2025. Under the exceptional leadership of Principal Dr. G. R. Bamnote and the dedicated guidance of mentors Dr. S. J. Deshmukh (Dean, R&I), Dr. N. P. Kataria (Coordinator), Dr. P. V. Kolhe, Dr. P. K. Deshmukh, and Dr. R. A. Kapdiya (Co-Coordinators), our students have achieved remarkable success.

Congratulations to the winners and their mentors:

Title: Experimental and Numerical Optimization of Solar Dryer System for Drying Bee Pollen

Kalpesh Deshmukh – 1st Prize (PPG AAH)

Mentor: Dr. Samir J. Deshmukh

Title: Battery Cooling System for Electric Vehicles

Vivek Tonge – 1st Prize (PPG ET)

Mentor: Dr. Samir J. Deshmukh

Title: Enhancement of Biogas Yield and Methane Content Through Efficient Phase Separation Technique

Vaibhav Dhawale – 1st Prize (PPG PS)

Mentor: Dr. N. W. Ingole

Title: Flora Vision AI

Yash Lawankar – 3rd Prize (UG PS)

Mentor: Dr. P. V. Kolhe

Title: Room Rent Company: TrueSarathi

Prabhav Kalage – 2nd Prize (UG CML)

Mentor: Dr. R. R. Karwa

Heartiest congratulations to all the winners! Best wishes for the upcoming State-Level Aavishkar 2025.



The Drama Team of PRMIT&R, Badnera, has proudly claimed the First Prize in the Amravati Division of the prestigious Rasoni Karandak Drama Competition, held on 18th December 2024. Their captivating performance in the play 'It Happens' left both the audience and judges spellbound, showcasing their immense talent and dedication. With this remarkable achievement, the team now advances to the much-anticipated Final Round in Nagpur, scheduled for the first week of February 2025. We extend our best wishes to our talented performers.



Sant Gadge Baba Amravati University's Research and Incubation Foundation hosted the Smart Hackathon Competition 2024 on 5th December 2024, where Team Cleansoul, comprising Chintan S. Zade, Ananta S. Tarale and Geet S. Dabhane showcased their innovative product "Cleansoul Soap". The team mentored by Dr. P. K. Deshmukh, earned a consolation prize and has been shortlisted for the prestigious seed fund process. This achievement highlights their ingenuity and entrepreneurial spirit, paving the way for future success.

ACADEMIC TRIUMPHS



We are proud to announce that Vijay Khawale, Abhinav Giri and Shashank Thakare have been granted a patent for their innovative work titled "A Solar Dryer for Agricultural Product." This groundbreaking invention holds immense potential to revolutionize agricultural processing by offering an efficient, sustainable and cost-effective drying solution for various products. Congratulations to the team for this remarkable achievement, showcasing their dedication to innovation and technological advancement. This milestone adds another feather to PRMITR's cap of excellence!

We extend our heartfelt congratulations to the following faculty members for their remarkable achievement in successfully completing their Ph.D. degrees. Their dedication, perseverance and hard work have set a strong example for the academic community. We are proud of their accomplishments and wish them continued success in their future endeavors.



Dr. Piyush Kolhe
CIVIL



Dr. Karan Belsare
IIOT



Dr. Anup Radu
AI&DS



Dr. Niketa Kadam
IT



Dr. Komal Hole
CSE

PLACEMENT

We are proud to announce that several students from PRMIT&R have successfully secured placements in renowned companies. A total of 6 students have been placed with Logituit, 7 students with Planet Spark, 10 students with Cognizant and 7 students with IndiaMart. These placements highlight the hard work and dedication of our students, as well as the institute's commitment to providing industry-relevant skills and fostering career opportunities. Congratulations to all the placed students and we wish them success in their professional journeys!

For the upcoming edition of "Mitra Pulse", we invite you to share your articles, achievements and creative contributions. Please submit your content to mitrapulse@mitra.ac.in on or before the 30th of every month. We look forward to your participation!



Prepared & Designed by Prof. Shrikant Akarte, Prof. Rupali Meshram, Prof. Rasika Wadwekar

The Principal of PRMIT&R, Badnera, along with the Editorial Committee of "Mitra Pulse," does not hold responsibility for the opinions, statements, or news expressed by individual contributors in this e-newsletter.