



RBU

RAMDEOBABA UNIVERSITY, NAGPUR

Formerly Shri Ramdeobaba College of Engineering & Management (RCOEM) Est. 1984

Learn | Innovate | Accomplish

VISIONARIES



Shri Banwarilal Purohit
Founder & Chairman Emeritus
Former Governor of Punjab, Tamil Nadu
& Assam, Administrator U.T. Chandigarh



Shri Satyanarayanji Nuwal
Chairman, (SRSS)



Shri Rajendra Purohit
General Secretary, SRSS



Dr. Shankar S Mantha
Chancellor



Dr. Rajesh S Pande
Vice-Chancellor



RBU Students Winner at National Level INDEX 5.0 Hackathon : Students of B.Tech Second Year (Robotics and AI), Department of Mechanical Engineering, Ramdeobaba University (RBU), Nagpur, secured third position at the National Level Hackathon INDEX 5.0, organised by the Quality Circle Forum of India (QCFI) in association with SensLive Technologies and Vikrant University, Gwalior. The 24-hour offline hackathon was held on 28–29 October 2025, with RBU emerging as second runner-up among the top 20 teams nationwide.

The team ChaturGo DairyBot developed an innovative robotic solution for automated dairy farm operations and won a cash prize of 50,000. The team was mentored by Dr. Abhijeet Raut. Hon'ble Chancellor Dr. S. S. Mantha and Hon'ble Vice Chancellor Dr. R. S. Pande congratulated the students and faculty for the achievement.



Ramdeobaba University holds Cyber Awareness Week : “Responsible technology use and digital awareness are essential for a safe online world,” said Mr. Nityanand Jha, Deputy Commissioner of Police (Zone 2), Nagpur City, while addressing the inaugural ceremony of AARHANT '25, organised by the Department of Artificial Intelligence and Cyber Security, Ramdeobaba University (RBU), Nagpur. The event marked the commencement of the University's Cyber Awareness Week.

Mr. Jha emphasized responsible digital behaviour, cyber vigilance, and safe online practices. Mr. Vivekanand Auti, Police Sub-Inspector, Cyber Police Station, also addressed the students on cyber safety. Dr. Rajesh Pande, Vice Chancellor, appreciated the initiative and the efforts of the Nagpur Police and the School of CSE in promoting cyber awareness among youth.

Top News of The Quarter

Hon'ble Minister Shri Mangal Prabhat Lodha Visited Ramdeobaba University



Shri Mangal Prabhat Lodha, Hon'ble Minister of Skill Development and Entrepreneurship, Government of Maharashtra, visited Ramdeobaba University (RBU) and interacted with the University Deans and Heads of Departments. He reviewed the University's initiatives in skill development, artificial intelligence, innovation, and entrepreneurship, and emphasized the importance of industry-relevant education aligned with national priorities. He also appreciated RBU's efforts in implementing the National Education Policy (NEP) and promoting experiential learning.

ACM India Winter School 2025 on Digital Twins at Ramdeobaba University

Ramdeobaba University, in collaboration with the ACM India Council and the ACM Nagpur

Professional Chapter, organised the ACM India Winter School 2025 on “Engineering the Future with Digital Twins” from 15 to 24 December 2025, with academic collaboration from VNIT, knowledge support from TCS Research, and Persistent Systems as the industry partner.

The programme featured expert-led technical sessions and hands-on training on digital twins, model-driven engineering, and complex systems, along with an industry visit to Persistent Systems for exposure to real-world digital transformation practices.



RBU Launches '3+1' International Credit Transfer Program with Hiroshima University

Ramdeobaba University (RBU), Nagpur, has taken a major step toward global education through its '3+1' International Credit Transfer Program in collaboration with Hiroshima University, Japan. Under this MoU-based programme, selected B.Tech students complete three years at RBU and one year of academic and research study at Hiroshima University.

Students gain international research exposure and, upon completion, receive a one-year academic certificate from Hiroshima University along with credit transfer and the final degree from RBU. For the academic year 2025–26, seven students from CSE, ECE, and Biomedical Engineering have been selected, reflecting RBU's commitment to global academic excellence.



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Dear Readers,

It gives us great pleasure to present the October–December 2025 issue of Reflection, the quarterly newsletter of Ramdeobaba University. This issue brings together the many academic, research, and student activities that shaped the past quarter. It highlights important events such as visits by distinguished dignitaries, international academic collaborations, student achievements at national platforms, research publications, training programs, and campus activities across various schools and departments. Through these stories, we see the dedication of our students, faculty, and staff in building a learning environment that encourages innovation, skill development, and social responsibility. Each achievement featured in this issue reflects the collective effort of the RBU community toward excellence in education and research. We hope this edition gives you a meaningful insight into the vibrant journey of Ramdeobaba University.

Happy Reading!

- Team Editor

“The Function of **EDUCATION** Is to Teach One to Think Intensively and to Think Critically.”

RCOEM-TATA-CIIIT Center for Invention Innovation Incubation & Training

[A] Training Programs :

1] A one-month internship program on “Internet of Things (IoT)” was conducted from 20 October 2025 for the students of the **Mechanical Engineering Department, RCOEM, Nagpur**, from 10:30 AM to 5:30 PM, and was organized by RCOEM-TATA-CIIIT. A total of 17 students participated in the program. The internship was



conducted by **Dr. S. Balpande, Dr. S. Anjankar, and Technical Assistant Mr. Umendra Mukurne**.

2] A one-day training program on “Artificial Intelligence & Machine Learning (AIML)” was conducted on 4 October 2025 for 10th standard students of **Jindal Vidya Mandir School, Kalmeshwar, Nagpur**, from 10:30 AM to 5:30 PM. The program was held at the **Digital Tower** in association with RCOEM-TATA-CIIIT. A total of 31 students participated in the program. The sessions were conducted by **Dr. Amit Pimpalkar and Dr. Nisarg Gandhewar**, and the event was coordinated by **Dr. Y. M. Sonkhaskar**. Four to five students provided encouraging feedback on the course.



3] A One day training program on “Solid Modelling, 3D Printing and Internet of Things (IoT)” was conducted on 13th to 17th October 2025 for 9th std. students of **Bhavan's Vidya Mandir, Trimurti Nagar, Nagpur**, from 10.30 AM to 5.30 PM, held at RCOEM-TATA-CIIIT. A total of 143 students participated, which was coordinated by **Dr. Y.M.**

Sonkhaskar and conducted by **Dr. Alok Jha** and supporting staff **Mr. Shrikant Wankhede** for Solid Modelling and 3D printing, and **Dr. Bhumika Neole, Dr. Chitraja Rajan, Prof. Lokesh Heda, Prof. Purvi Joshi, Prof. Shruti Nair, Prof. Vishal Rathee** and supporting staff **Mr. Umendra Mukurne** for Internet of Things.



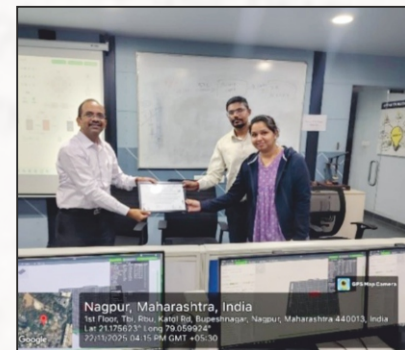
4] A One day training program on “Artificial Intelligence & Machine Learning (AIML)” was conducted from 15th to 17th

October 2025 for 10th, 11th, 12th std. students of **Bhavan's Vidya Mandir School, Trimurti Nagar, Nagpur**, from

10.30 AM to 5.30 PM, held at Digital Tower in association with the RCOEM-TATA-CIIIT. A total of 200 students participated, which was conducted by **Dr. Amit**

5] A one day training program on “Solid Modelling, 3D Printing and Internet of Things (IoT)” was conducted on 11th to 13th November 2025 for 9th std. students of **Bhavan's Vidya Mandir, Chinchbhuvan, Nagpur**, from 10.30 AM to 5.30 PM, held at RCOEM-TATA-CIIIT. A total of 89 students participated, which was coordinated by **Dr. Y.M. Sonkhaskar** and training was conducted by **Dr. Alok Jha**

6] A one-day training program on “Solid Modelling, 3D Printing and Internet of Things (IoT)” was conducted on 22nd November 2025 for 9th std. students of **Jindal Vidya Mandir School, Kalmeshwar, Nagpur**, from 10.30 AM to 5.30 PM, held at the RCOEM-TATA-CIIIT. A total of 34



7] A one day training program on “Solid Modelling, 3D Printing and Internet of Things (IoT)” was conducted on 25th November and 1st December 2025 for 9th std. students of **Bhavan's Vidya Mandir, Srikrishna Nagar, Nagpur**, from 10.30 AM to 5.30 PM, held at RCOEM-TATA-CIIIT. A total of 225 students participated. The



Pimpalkar and Dr. Nisarg Gandhewar. The event was coordinated by **Dr. Y. M. Sonkhaskar**. 4-5 students gave encouraging feedback about the course.

and supporting staff **Mr. Shrikant Wankhede** for Solid Modelling and 3D printing and **Dr. Bhumika Neole, Prof. Shruti Nair** and supporting staff **Mr. Umendra Mukurne** for Internet of Things.



students participated, which was coordinated by **Dr. Y.M. Sonkhaskar** and training was conducted by **Dr. Alok Jha** and supporting staff **Mr. Shrikant Wankhede** for Solid Modelling and 3D printing and **Dr. Bhumika Neole** and supporting staff **Mr. Umendra Mukurne** for Internet of Things.



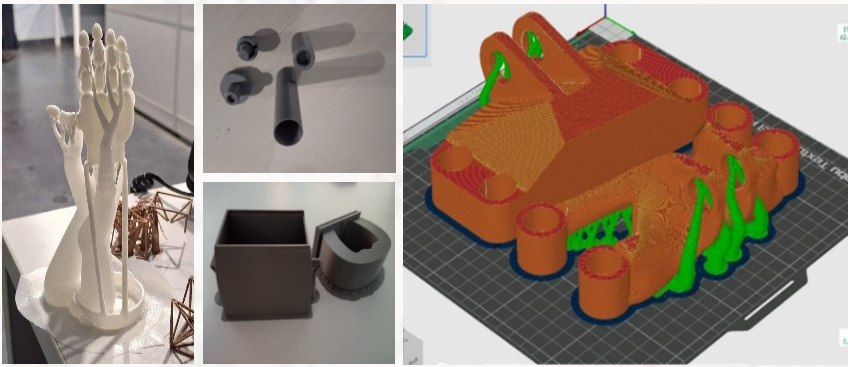
training was coordinated by **Dr. Y.M. Sonkhaskar** and training was conducted by **Dr. Alok Jha** and supporting staff **Mr. Shrikant Wankhede** for Solid Modelling and 3D printing and **Dr. Bhumika Neole, Prof. Shruti Nair, Prof. Vishal Rathee, Dr. Suresh Balpande** and supporting staff **Mr. Umendra Mukurne** for Internet of Things.



8] A one day training program on “Solid Modelling, 3D Printing and Internet of Things (IoT)” was conducted on 3rd to 10th December 2025 for 9th std. students of Bhavan’s Vidya Mandir, Ashti, Nagpur, from 10.30 AM to 5.30 PM, held at RCOEM-TATA-CIIIT. A total of 149 students participated, which was coordinated by Dr. Alok Jha and supported staff Mr. Shrikant Wankhede for Solid Modelling,



3D printing, and Dr. Bhumika Neole, Prof. Snehal Laddha, Prof. Poorvi Joshi and supported staff Mr. Umendra Mukurne has demonstrated.



C) Lab Utilization

- The DMEE laboratory for 3rd semester Mechanical Engineering students was conducted at the Design Center, CIIIT, from 06 October 2025 onwards, for all six batches.

B) Consultancy & Project :

- Ms. Shravani Morankar (ME) and her team printed 3D parts for the project titled “Topology Optimization of an Engine Mount Using Additive Manufacturing Technologies” based on a 3D software design model, under the guidance of Dr. Himanshu Singh, on 11 December 2025.
- Mr. Yash Mishra and his team printed 3D parts for the “IAHR Competition” under the guidance of Dr. Vishal V. Shukla. The 3D-printed parts were handed over on 11 December 2025.
- Mr. Shantanu Bedre (BME), Ms. Madhura Ambadkar, and their team printed 3D parts for the DMIP mini-project on a dental mirror, developed using a 3D software design model, under the guidance of Dr. Abhijeet Raut, on 04 and 08 November 2025.
- Mr. Ameya K. Arora and his team printed 3D parts for the “AAKRUTI Innovation Competition 2025” under the guidance of Dr. Y. M. Sonkhaskar. They also utilized the Innovation Design Incubation Lab for project preparation. The 3D-printed parts were handed over on 02 November 2025.
- Mr. Vishal V. Rawale (Electrical Engineering Department) and his team printed 3D parts for the final-year project titled “Wind Turbine for Urban Applications” from Priyadarshini College of Engineering, Nagpur, based on a 3D software design model, under the guidance of Dr. P. S. Gotekar, on 01 November 2025.
- Prof. Piyush Sirsat (Ph.D. Research Scholar, Mechanical Engineering Department) from Priyadarshini College of Engineering, Nagpur printed 3D parts for his Ph.D. research project. This consultancy was carried out under the guidance of Dr. Y. M. Sonkhaskar, and the 3D-printed parts were handed over on 02 November 2025.
- Ms. Sumya Tiwari and Mr. Matin Sayyed (M.Pharm [Pharmaceutics]) printed 3D parts for an ongoing research project on “Fused Deposition Modeling (FDM)” from Dadasaheb Balpande College of Pharmacy, Nagpur, based on a 3D software design model, under the guidance of Dr. Nilesh Mahajan, on 08th and 09th October 2025.

D] Visit of Eminent persons to RCOEM-TATA-CIIIT :

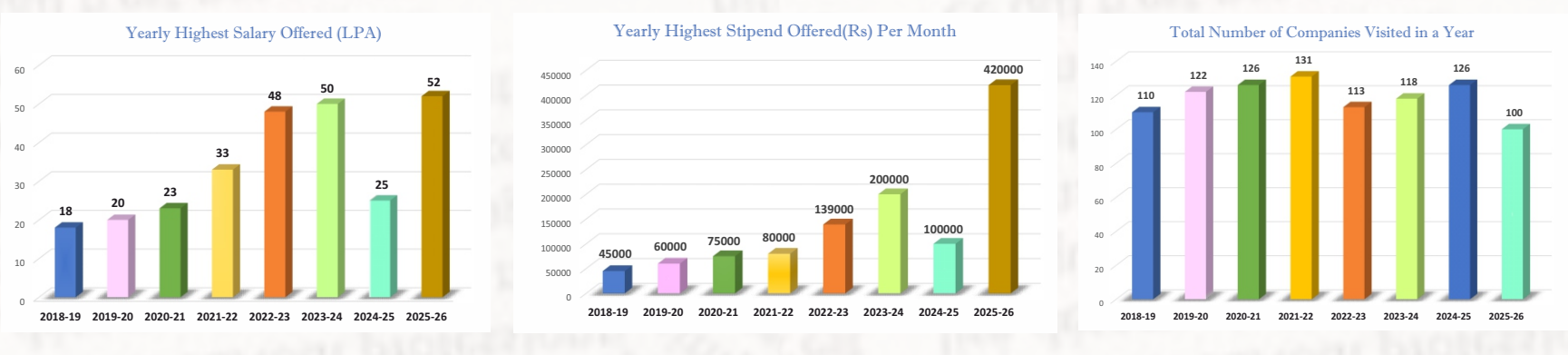


The Career Development and Placement Cell (CDPC)

Placement Statistics - 2026 Batch (Ongoing)

Highest Salaries	52 LPA by Microsoft, 50 LPA by Infina Labs, 22 LPA by Nutanix, 19.75 LPA by J.P. Morgan Chase, 19 LPA by Porter, 16.3 LPA by Darwinbox, 14 LPA by ZS, 13.2 LPA by Josh Technology
Highest Summer Internship Offers	Summer Internship in Microsoft (Stipend- 1.25 lakh per month) Summer Internship in J.P. Morgan Chase (Stipend- 80k per month)
Highest Stipend	80k per month by Porter, 50k per month by Nutanix, 50k per month by Gourmet Jar, 50k per month by Gasyard, 50k per month by AFAHCC Labs, 45k per month by Philips, 35k per month by Schneider, 22k per month by PTC

International Job Offer	50 LPA by Infina Labs (U.S.)
International Internship Offers	Infina Labs (U.S.) (Stipend- 4.2 lakh per month) dxb.care, Dubai (Stipend -53k per month)
Mass Recruiters	194 offers in Capgemini, 177 offers in Cognizant, 126 offers in Infosys, 32 offers in Deloitte
International Research Internship	Hiroshima University, Japan (7 Students)
Companies Visited	100+



School of Computer Science and Engineering

Department of Computer Science and Engineering

Academic Achievements

- The Department of Computer Science and Engineering received an NBA accreditation of 3.5 years.

Research & Publications

1. Aparna Gurjar, Lavinya Bopche, Abishek Choudhary, Khushboo Khurana, "Fake Image Detection Using Biomarkers with Deep Neural Network," IEEE International Conference for Women in Innovation, Technology & Entrepreneurship (ICWITE), September 2025. [DOI:10.1109/ICWITE64848.2025.11307094]

2. Khushboo Khurana, Pravinkumar Sonsare, Devesh Borkar, Hardik Thakkar, and Om Bhagat, "MOLO: a hybrid approach using MobileNet and YOLO for object detection on resource constrained devices," Discover Artificial Intelligence 5, no. 1 (2025): 288.

3. Barkha Dange, FDP, "Big Data and Analytics" jointly organised by Indian Institute of Information Technology, Nagpur and Electronics and ICT Academy (Phase II) Pandit Dwarka Prasad Mishra Indian Institute of Information Technology Design and Manufacturing, Jabalpur, November 17-28, 2025.

4. Barkha Dange, Book Chapter published "Bridging the Digital Divide: A Strategic Framework for Deploying Inclusive Digital Public Infrastructure in Emerging Economies" Release Date: November, 2025 | Copyright: © 2026 | Pages: 328 DOI: 10.4018/979-8-3373-6380-6, ISBN13: 9798337363806 | ISBN13 Softcover: 9798337363813 | EISBN13: 9798337363820.

5. Mikhal John, "A Novel Approach: Hybrid Feature Selection Using Updated Gini Index with MapReduce and Federated Learning for Chronic Disease Management" IEEE International Conference on Emerging Trends in Engineering & Technology - Signal and Information Processing (ICETET - SIP). published in September 2025. DOI: 10.1109/ICETETSIP64213.2025.11156485

6. Mikhal John, FDP on Modern Web Development & AI Integration under the Next Gen Employability Program from 24 November 2025 – 28 November 2025.

7. Pravinkumar M. Sonsare, Roshni Khedgaonkar, Kavita Singh, and Pratik Agrawal. "Advancing Molecular Property Prediction for Environmental Fate Using Graph Neural Networks: A Comparative Analysis." Chemometrics and Intelligent Laboratory Systems (2025): 105581.

8. Pratik K. Agrawal, Monali Gulhane, Siddhi Kadu, Pravinkumar M. Sonsare, "Blockchain Framework for Sentiment Analysis from Unstructured Text Reviews", International Journal of Information Engineering and Electronic Business

(IJIEEB), Vol.17, No.6, pp. 34 - 47, 2025. DOI:10.5815/ijieeb.2025.06.03

9. Singh, Kavita R., Sagarkumar S. Badhiye, Kapil Gupta, Pravinkumar M. Sonsare, Roshni S. Khedgaonkar, and Mukesh M. Raghuwanshi. "A Survey of Quantum Machine Learning: Understanding the Current Landscape and Future Opportunities." In Operations Research Forum, vol. 6, no. 4, p. 170. Cham: Springer International Publishing, 2025.

Conference, Events & Seminars Organized

- The department organized a guest lecture for Third Year CSE Students on "How to Prepare for Placement Drive" on 28-10-2025. The interactive session was delivered by Ms. Sarah Kulsum (ZS) and Mr. Ankit Pande (Microsoft), the final year students of CSE, RCOEM, Nagpur.
- The department organized a guest lecture for Third Year CSE Students on "How to Prepare for Placement Drive" on 03-11-2025. The session was delivered by Ms. Sarah Kulsum (ZS), Mr. Ankit Pande (Microsoft), Mr. Mayank Jaiswal (EPAM), Mr. Saket Rathi (ZS), Mr. Moulik Paliwal (PGS), Mr. Tejas Barde (EPAM), and Mr. Varun Sukulkar (EPAM), final year students of RCOEM Nagpur.
- The department organized a guest lecture for First Year CSE Students on "Cyber Jurisprudence and Information Technology Act 2000" on 04-11-2025. The lecture was delivered by Dr. Divita Pandey Kothekar, and Dr. Anchit Verma; Assistant Professors, Maharashtra National Law University, Nagpur.
- The GFG RBU Chapter successfully organized Hacktoberfest 2025, a month-long event (1-31st Oct) dedicated to promoting open-source contributions and empowering individuals with knowledge about Git, GitHub, and the open-source ecosystem. The event was conducted online, enabling participants from diverse locations to join and learn collaboratively. During the event, participants were introduced to the fundamental concepts of version control systems using Git and the practical application of GitHub for managing repositories. 43 students contributed to this event.
- ACM Winter School 2025**
The ACM India Winter School 2025 on "Engineering the Future with Digital Twins" was organized by, School of Computer Science and Engineering, Ramdeobaba University, Nagpur, in collaboration with VNIT Nagpur, with academic and industry support from TCS Research and Persistent Systems. The ten-day programme witnessed participation from students, research scholars, and faculty members representing diverse universities and colleges across India as well as select international institutions, fostering global academic exchange. The technical sessions were delivered by **experts formally associated with the ACM organization**, including senior academicians and industry researchers. The programme covered system dynamics, complex system modelling, simulation, optimisation, and decision-making, with hands-on exposure to tools such as Vensim and AnyLogic. An industry visit to Persistent Systems complemented the academic component. Overall, the Winter School significantly strengthened industry-academia collaboration and enhanced outcome-oriented technical competencies.



Inaugural of ACM Winter School 2025 - Mr. Laxman Potbhare, Dr. Umesh Deshpande, Dr. M.B. Chandak, Mr. Vinay Kulkarni, Dr. Preeti Voditel, Dr. Ravindra Kesar, Dr. Padma Adane.



Dr. Souvik Barat, Principal Scientist, TCS Research, explaining goal-oriented decision-making and scenario evaluation using digital twins



Mr. Vinay Kulkarni, Chief Architect – Software Systems and Services Research, TCS Research, introducing the concept of Digital Twins.



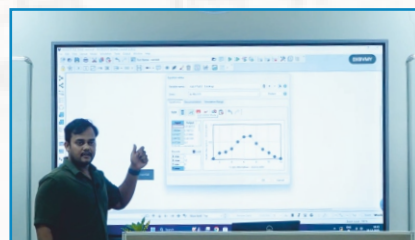
Abhishek Yadav guiding participants through advanced Dam Model simulations using Vensim.



Dr. Souvik Barat, Principal Scientist, TCS Research, delivering insights on decision-making in complex systems.



Dr. Jayendran Venkateswaran introducing the fundamentals of simulation, highlighting its importance in modeling complex systems



Abhishek Yadav, Researcher, TCS Research, leading the second session with an introduction to Vensim, a system dynamics simulation tool based on stock-and-flow modeling.



Group photograph of ACM participants at the Persistent Systems premises.



Dr. Varun Ramamohan delivering a session on optimisation, simulation, and digital twins for improved decision-making.



Dr. Aditya Paranjape, Associate Professor, Monash University, Australia, delivering a session on advanced control systems and estimation techniques.



Mr. Vinay Kulkarni highlighting scalability, data integration, and the role of LLMs in shaping next-generation Digital Twins.



Hon'ble Chancellor Dr. S. S. Mantha presenting a memento to Mr. Vinay Kulkarni in recognition of his contributions.

Departmental Activities

ACM Students Chapter EVENT 1: Workshop

The ACM Student Chapter in collaboration with the RAC Club and Techfest IIT Bombay, organized an engaging Hands-on Robotics Workshop aimed at introducing students to the fundamentals of robot design, Arduino programming, and control systems on 25th September 2025. The expert Mr. Priyam Sharma, an official Techfest IIT Bombay Trainer offered participants a unique opportunity to gain practical experience in robotics while building and controlling their own robots. Around 300 participants attended the workshop and gained the basics of robotics.

EVENT 2: Seminar

The ACM Student Chapter in collaboration with the Java User Group Nagpur (JUG Nagpur)—officially recognized by Oracle and the only JUG in Central India—organized an insightful on-campus seminar titled “Java Training: From Console to Cloud.” on 23 August 2025. The expert Mr. Anmol Deep Singh Arora, Senior Software Developer at Persistent Systems provided a comprehensive overview of the evolution of Java—from its foundational console-based programming concepts to its modern role in enterprise-level and cloud-native systems for approximately 150 students, reflecting a strong interest in Java technologies and open-source learning.



Mr. Vinay Kulkarni announcing the Best ACM Team winners, accompanied by the dignitaries (from left to right): Dr. R. B. Kesar, Dr. M. B. Chandak, Dr. Umesh Deshpande, Dr. Rajesh Pande, Mr. Vinay Kulkarni, Dr. S. S. Mantha, Dr. Preeti Voditel, and Mr. Vinit Kapoor



Mr. Priyam Sharma with Dr. Preeti Voditel HOD CSE and Students

Events Organized by Google Developer Groups (GDG) On Campus Club Event-1: Club Orientation

The Club Orientation for Google Developer Groups (GDG) On Campus was conducted on 15th September 2025. The session was attended by second-year students of RBU and commenced with an introduction to Google Developer Groups (GDG) On Campus, highlighting its global presence and mission of building strong student developer communities. Students were introduced to the GDG On Campus RBU Team, with a clear explanation of the roles and responsibilities within the core team. The orientation provided an overview of the various events, workshops, and community-driven technical activities organized by GDG to enhance both technical competence and professional skills. The session also emphasized the benefits of being a GDG On Campus team member, including leadership development, networking opportunities, and exposure to industry-relevant technologies, followed by an interactive Q&A session to address student queries and clarify doubts.



Students during Club Orientation



Mr. Anmol Deep Singh Delivering Lecture

Event-2: Google Cloud Study Jams

Google Cloud Study Jams, was conducted by GDG on Campus RBU during October 2025. This journey was backed by an offline session on Google Cloud Study Jams on 2nd and 3rd October 2025, highlighting its objective of equipping students with practical cloud computing skills using Google Cloud Platform (GCP). Participants were guided through structured learning paths on Google Cloud Skills Boost, including hands-on labs, cloud domains, and milestone-based progress tracking. The benefits of gaining real-world experience, earning skill badges, and improving employability were emphasized, followed by an interactive Q&A. GDG On Campus RBU reaffirmed its commitment to delivering industry-relevant, skill-focused learning initiatives. A total of 133 students got certified after completing the labs given by Google within a month.



Participants during offline session on Google Cloud Study Jams

Conferences / STTP / FDP / MDP / Workshop / Seminar etc Attended or Organized by Faculty

1. Prof. Dilipkumar A. Borikar attended ATAL FDP on "Deep Learning for Computer Vision" organized by Tripura Institute of Technology, Tripura from 03-11-2025 to 08-11-2025.
2. Prof. Dilipkumar A. Borikar attended ATAL FDP on "Quantum Computing: Foundations, Algorithms, and Industry Applications for Next-Generation Technologies (QCFAIANGT)" organized by Jagan Institute of Management Studies, Delhi from 17-11-2025 to 22-11-2025.
3. Prof. Dilipkumar A. Borikar attended ATAL FDP on "Security and Privacy issues and their countermeasures in the era of Artificial Intelligence" at Delhi Technological University, Delhi from 15-12-2025 to 20-12-2025.
4. Prof. Dilipkumar A. Borikar attended AICTE recognized FDP on "Outcome Based Education (OBE)" organized by Ramdeobaba University Nagpur and conducted by the Education and Educational Management Department, NITTTR, Chandigarh from 21-12-2025 to 25-12-2025.
5. Dr. Lalit Agrawal attended AICTE recognized FDP on "Outcome Based Education (OBE)" organized by Ramdeobaba University Nagpur and conducted by the Education and Educational Management Department, NITTTR, Chandigarh from 21-12-2025 to 25-12-2025.
6. Dr. Pravin Sonsare attended AICTE recognized FDP on "Outcome Based Education (OBE)" organized by Ramdeobaba University Nagpur and conducted by the Education and Educational Management Department, NITTTR, Chandigarh from 21-12-2025 to 25-12-2025.
7. Prof. Nikita Katariya attended AICTE recognized FDP on "Outcome Based Education (OBE)" organized by Ramdeobaba University Nagpur and conducted by the Education and Educational Management Department, NITTTR, Chandigarh from 21-12-2025 to 25-12-2025.
8. Prof Nikita Katariya completed 12 Weeks FDP on "OBE and Accreditation" organized by NPTEL-AICTE from July 2025 to October 2025 with Elite certification.

Students Achievement

A team of two-Khushi Begde and Devanshi Lalwani from Department of Computer Science and Engineering were selected for the YUKTI Innovation Challenge 2025-IIC Regional Meet, after being registered in the YUKTI Innovation Repository of IIC institutions. They showcased the project titled-Edusphere, that focuses on creating accessible and inclusive learning tools for students, with a special section designed for children with Down syndrome. At the event, Edusphere was awarded

the Best Innovation Stall by the Innovation Cell, AICTE - Ministry of Education.



Best Innovation at YUKTI Innovation Challenge-IIC Regional Meet 2025

Department of Computer Science and Applications

Departmental Highlights

Research & Publications

Publications in high-impact journals : Authors, Paper title, published in Journal

1. Dr. Rakesh K Kadu, has published a paper titled "Blockchain-Empowered Generalised Simplicial Quantum Equivariant Convolutional Attention Network for Secure 6G Wireless Network Management" in the International Journal of Information Technology, with ISSN 2511-2104, Springer Nature (Scopus)
2. Dr. Yoginee Surendra Pethe and et al., has published a paper titled "Enhancing the light extraction efficiency in micro light-emitting diodes integrating advanced nanophotonic structures" in Journal of Nano-Structures and Nano-Objects with ISSN 2352507X, Volume 45 (Scopus).
3. Dr. Yoginee Surendra Pethe and et al., has published a paper titled "Predictive performance of nano-alumina and zeolite-based high-performance nano-engineered concrete: integrative application of quantum computing and machine learning with optimization techniques" in Quantum Machine Intelligence with ISSN 25244906, Volume 7 Issue (Scopus).
4. Prof. Punam Khandar and et al., has published a paper titled "Exploring Abstractive summarization of Pre-trained models: A study on GPT-2, T5, Pegasus and Bart in the International Journal of Applied Mathematics. ISSN: 1314-8060
5. MCA Student Sameer V. Thengre under guidance of Dr. Y. S. Pethe and Dr. S. S. Uparkar published the patent titled "A Computer-Implemented Method for Managing Payments" in Indian Patent Journal on 14 November, 2025
6. Dr. Shubhangi Mohod and et al., has published a paper titled "Technological Approach for Safe Transportation Through Elderly and Impaired Drivers" in 2025 International Conference on Engineering Innovations and Technologies (ICOEIT) DOI: 10.1109/ICOEIT63558.2025.11211598 ISBN:979-8-3315-2596-5
7. Prof. Pragati Dubey and et al., has published a paper title "Designing AI-Driven Information Security Protocols using Discrete Mathematical Models" in the Journal of Discrete Mathematical Sciences & Cryptography.
7. Prof. Vidhi Pitroda and et al., has published a paper titled "Metaheuristic-trained adaptive activation neural networks for reliable buckling resistance prediction of high strength steel columns" in Asian Journal of Civil Engineering.



Conference, Events & Seminars Organized

Workshops, Seminars, Guest Lectures

1. A financial literacy workshop titled “Pratham” was conducted by Dr. Kanchan Naidu, a SEBI SMART Trainer, on 6th Oct 2025 for MCA students, RBU, Nagpur, under the banner of the National Stock Exchange (NSE). The objective of the workshop was to create awareness among the students about the importance of savings and to help them avoid falling prey to fraudulent or Ponzi schemes. Participants were guided on how to evaluate different asset classes based on individual financial goals, where to invest and save wisely, and how to build a habit of financial discipline. The interactive session was well-received by all attendees and concluded with an engaging Q&A session, where participants clarified their doubts and shared their experiences. The workshop received great appreciation for its practical insights and valuable guidance.
2. Dr. Satyajit S. Uparkar Delivered an Expert session on the topic "Data Analysis and Interpretation", with the theme Making sense of your Data on 11th October 2025, during the National level Online Research Methodology Orientation Programme organised by G. S. College, Wardha.

Report on Workshop

Business Analytics Using Power BI

Ramdeobaba University, Nagpur successfully conducted a three-day hands-on workshop on “Business Analytics Using Power BI” from 22nd December 2025 to 24th December 2025. The workshop was organized with the objective of equipping students with practical skills in data analytics and business intelligence, aligning academic learning with current industry requirements.

The workshop was facilitated by Mr. Ajay Karare, an experienced industry professional with extensive expertise in business analytics and data visualization tools. His industry-oriented approach and real-world examples provided participants with valuable insights into how data analytics is applied in modern business environments.

During the workshop, participants were introduced to Microsoft Power BI, one of the most widely used business analytics tools. The sessions covered key concepts such as data import and transformation, data modelling, creation of interactive dashboards, DAX basics, and real-time business reporting. Emphasis was placed on hands-on learning, enabling participants to work with real datasets and build meaningful analytical reports.

The workshop witnessed enthusiastic participation and received positive feedback from attendees, who found the sessions highly informative, practical, and relevant to current industry trends. The event significantly contributed to enhancing analytical thinking and technical proficiency among participants.

CRT TRAINING REPORT :- MCA 1st Year

The 10 Days Campus Recruitment Training (CRT) Program was specially organized for MCA 1st Year students with the objective of preparing them for upcoming campus placement drives. The program focused on equipping students with essential aptitude skills and a foundational understanding of technical Java concepts. By blending analytical exercises with coding fundamentals, the training aimed to enhance both cognitive and technical competencies, ensuring students become industry-ready candidates. The Technical segment spanned from 21st Dec to 30th December 2025 and featured all the conceptual and Interactive Session.

Conferences/ STTP/ FDP / MDP / Workshop / Seminar etc Attended or Organized by Faculty

1. Dr. Satyajit S. Uparkar participated in Online one week Faculty Development Programme on "Generative AI

with St. Vincent Pallotti College of Engineering & Technology, Nagpur.

2. Prof. Bindiya Turkar has attended FDP from Apr to July 2025 organized by NPTEL/SWAYAM and Online FDP from 6th Oct 2025– 10th Oct 2025 organized by Vishwkarma Institute of Technology.
3. Dr. Shubhangi Mohod has attended FDP on “Generative AI and DevOps” organized by E & I C T A c a d e m y I I T Guwahati held from 6-10 October, 2025.
4. Prof. Vidhi Pitroda has attended workshop Systematic Literature Review and Bibliometric Analysis using RStudio & VOSviewer conducted by Commacad.
5. Prof. Vishnu Vardhan has attended one-week Faculty Development Programme on “Agentic AI for Smarter, Adaptive and Responsible Future” from 6th to 10th October, 2025 Organized by Vishwakarma Institute of Technology, Pune.
6. Prof. Vidhi Pitroda has attended one-week Faculty Development Programme on “Generative AI and DevOps” from 6th to 10th October, 2025 Organized by IIT, Guwahati.
7. Dr. Niharika Das has attended FDP on "Agentic AI: Shaping the Next Generation of Intelligent System" organized by Department of CSE(Emerging Technologies), SRM Institute of Science and Technology, Vadapalani Campus, Chennai from 01.12.2025 to 05.12.2025.
8. Dr. Niharika Das has attended FDP on "Foundations and Frontiers of Cybersecurity: From Awareness to Action" organized by Department of C S E (E m e r g i n g Technologies), SRM Institute of Science and Technology, Vadapalani Campus, Chennai from 08.12.2025 to 12.12.2025.
9. Dr. Niharika Das has attended FDP on "Outcome Based Education" organized by Education and Educational Management Department, NITTTR at Ramdeobaba University, Nagpur from 21.12.2025 to 25.12.2025.

10. Shubhangi Mohod has Attended the 5-day National Level Online Faculty Development Programme (FDP) on "Quantum Innovation, Emotion Analytics & Cyber Risk Management", held at Sri Venkateswara College of Engineering , Pennalur, Sriperumbudur, Tamil Nadu from December 15th to 19th, 2025.

11. Shubhangi Mohod has Attended Online FDP on “Generative AI & DevOps” to be held from 06 October - 10 October, 2025 organized by E & I C T A c a d e m y I I T Guwahati in association with St. Vincent Pallotti College of Engineering & Technology, Nagpur.

12. Prof. Bindiya Turkar has attended 5 day FDP on “Foundations and Frontiers of Cybersecurity: From Awareness to Action’ from 8th to 12th Dec 2025 organized by SRM Institue of Science and Technology, Chennai.

13. Prof. Bindiya Turkar has attended one week Faculty Development Programme on “Agentic AI for Smarter, Adaptive and Responsible Future” from 6th to 10th October, 2025 Organized by Vishwakarma Institute of Technology, Pune.

14. Prof. Bindiya Turkar has attended one week Faculty Development Programme on “Quantum Innovation, Emotion Analytics & Cyber Risk Management “ from 15th to 19th Dec 2025 organized by the Sri Venkateshwara College of Engineering, Chennai.

15. Prof. Pragati Dubey has Attended Online FDP on “Generative AI & DevOps” to be held from 06 October - 10 October, 2025 organized by E & I C T A c a d e m y I I T Guwahati in association with St. Vincent Pallotti College of Engineering & Technology, Nagpur

16. Prof. Jyoti Shriwas has attended Eight week Faculty Development Programme on “Research Methodology” from NPTEL.

17. Prof. Jyoti Shriwas has attended Four week Faculty Development Programme on “Patent Drafting for Beginners” from NPTEL.



18. All MCA faculties have attended the FDP on “Outcome Based Education” Conducted by Education and Educational Management Department from 21/12/2025 to 25/12/2025 (One Week) at Ramdeobaba University, Nagpur.
19. Prof. Pragati Dubey has attended Eight-week Faculty Development Programme on “Introduction Machine Learning” from NPTEL.
20. Prof. Pragati Dubey has attended Eight-week Faculty Development Programme on “Introduction to LLM” from NPTEL.

Faculty Highlights

1. Dr. Yoginee Pethe has been awarded with Ph.D. degree from KIIT, Bhubaneswar.

Student Achievements

- MCA & BCA students viz., Vedant Pande, Chetan Khadse, Himanshu Wanjari, Yash Mendhekar, Rainasha Gedam, Shivam Jaiswal, Shehbaz Khan, Ashish Kapse, and Chinmay Niwant, have participated in the Robotics Workshop under Techfest IIT Bombay at RBU.
- Akshay Singh represented the institute in football at the Dr. Panjabrao Deshmukh Krida Mahotsava 2025 held at Dhanwate National College, Nagpur.
- Tanisha Dalal, Ayan Sheikh, Raj Gupta, Priyanshi Jha, and Pranav Waykul took part in the Ideathon under Prarambh 1.0 and Hackathon 2.0 during Technostav 2025.
- Madiha Ansari and Saumya Shukla participated in the National Level Project Competition RBUCON – Computing INNOVANZA’25.
- Sanchali Dhote successfully passed the C Certificate Examination in BEE Grade under the authority of the Ministry of Defence, Government of India.

Internships or Placements Secured
MCA Placement Statistics :

Year-wise Statistics	2024-25	2025-26
Internship Percentage	59%	41% (Ongoing)
Total No. of Students	119	192
Total Placed students	107	37
Placement Percentage	90%	17.18% (Ongoing)
Highest Package (LPA)	22	8.5
Lowest Package (LPA)	1.8	3.6
Average Package (LPA)	3.83	4.3
Median Package (LPA)	3.6	4.6
Highest Stipend (LPM)	25000	27000
Total Companies Visited	16	25+

Departmental Activities

Parent Meet

A parents-teacher meeting was conducted by the Department of Computer Science and Applications on November 1, 2025, for Semester-1 students, starting at 11:00 am.

Parents of 8 MCA(AI&ML) students and parents of 11 BCA students attended the meet. The main objective of this meeting was to get the feedback from parents regarding the teaching learning process being followed by the Department of Computer Science and Applications, get useful suggestions from them, and also convey their ward’s academic performance as well as college attendance.



Dr. R. Kadu, Head CSA, interacting with the parents.

School of Electrical and Electronics Engineering

Department of Electronics Engineering

Research & Publications in Journal

- Dr. A A Khurshid, Prajwal Thaware, Chetan Sonkusare, and Yash Agrawal has published a paper titled “Leveraging Fundus Images for On-Device Eye Disease Diagnosis with AI-Powered Lightweight Software-Hardware Framework” in Scientific Reports, Date of Pub.: 04-11-2025, ISSN 2045-2322 (SCI).
 - Dr. J.P. Kalambe, Parthesh Patil, Sangeeta Palekar has published a paper titled “Smartphone-Based Portable Calcium-Sensing Platform Using Image Processing and Machine Learning” in IEEE Sensors Letters, Date of Pub.: 30-11-2025, ISSN 2475-1472 (SCOPUS).
 - Utkarsha Wankhade, Danish Ahmad Khan, Khushi Mahule, Manashwi Patle, Madhura Ambadkar, Isha Wele, Dr. J.P. Kalambe, and Dr. Rajesh Pande has published a paper titled “A Portable Microfluidic Paper-
- Based Analytical Device for Sensing of Cortisol in Artificial Saliva” in IEEE Sensors Letters, Date of Pub.: 17-12-2025, ISSN 2475-1472 (SCOPUS).
 - Dr. Bhalchandra Hardas and Shipra Kumari has published a paper titled “Practical applications of random dynamical systems in autonomous vehicle navigation” in Journal of Interdisciplinary Mathematics, Date of Pub.: 28-10-2025, ISSN: 0972-0502(SCOPUS).
 - Prof. Smita Daware, Pinalkumar Engineer and Shweta N Shah published a paper titled “A review of beamspace channel estimation techniques: Technical comparison across various methods” in IETE Journal of Research, Date of Pub.: 01-11-2025, (SCI).
 - Dr. Deepali Kotambkar,

- Sarika Khope, Rama Vasantha Adiraju, and Smita Suhas Battalwar has published a paper titled “Hybridized deep learning model with novel recommender for predicting criticality state of patient using MIMIC-IV dataset” in IAES International Journal of Artificial Intelligence, Date of Pub.: 01-12-2025, ISSN: e-ISSN 2089-4872/2252-8938, (SCOPUS).
- Prof. Rahul Dhutire, Jaskaranjeet Singh, Sofia Singh, and Dipti Theng has published a paper titled “CamoVision: A Dual-Mode Deep Learning Framework for Camouflaged Object Detection in Images and Videos” in Engineering, Technology & Applied Science Research (ETASR), Date of Pub.: 08-12-2025, e-ISSN/p-ISSN1792-8036/2241-4487, (SCOPUS).

Research & Publications in Conference

- Prof. Snehal V. Laddha, Aayush Paturkar, and Sarthak Khutafale, has presented a paper titled " Review for Developing an AI-driven multimodal framework to analyze skin lesion images and patient symptoms for accurate and early skin cancer prediction", in Congress on Intelligent Machines and Algorithms (CIMA 2025), Organized by NIT, Puducherry, Date of Conference: 13-14 OCT 2025.
- Prof. Pravin Dwaramwar, Syeda Meraj Bilfaqih, T. C. Manjunath, Dilip I. Sangotra, Shashidhar V., Jonnala Subba Reddy, has presented a paper titled " Novel approaches for segmentation of facial images from the background using AI-ML-DL concepts using functional analysis", in IEEE International Conference on Intelligent Systems for Pioneering Innovation in Robotics and Electric Mobility–



INSPIRE 2025, Organized by Mangalore Institute of Technology & Engineering Moodabidre, Mangalore, Date of Conference: 20-21 NOV. 2025.

- Prof. Pravin Dwaramwar, Ashish Avasthi, Somu Chinnusamy, Prasanna Kumar Sistla, Chitranjan Dwivedi, T.C. Manjunath, has presented a paper titled "Verilog-Enabled Simulation and RTL Synthesis of SPECK Algorithm for Robust and High-Speed Cryptographic Operations in VLSI", in 3rd IEEE 2025 International Conference on Power Electronics and Energy (ICPEE), Organized by School of Electrical Engineering, KIIT Deemed to be University, Bhubaneswar, Date of Conference: 14-16 DEC. 2025.
- Prof. Pravin Dwaramwar, Arun Raj S.R.G. Ramana Murthy, C. Thangamani, Shashidhar V., T.C. Manjunath, has presented a paper titled "SPECK Algorithm Simulation and Hardware RTL Implementation Using Verilog: Achieving High Security and Performance in VLSI-Based Cryptographic Systems", in 3rd IEEE 2025 International Conference on Power Electronics and Energy (ICPEE), Organized by School of Electrical Engineering, KIIT Deemed to be University, Bhubaneswar, Date of Conference: 14-16 DEC. 2025.
- Prof. Smita Daware, and Swastika Baheti, has presented a paper titled "A Device for Detection of Chronic Obstructive Pulmonary Disease", in 3rd Global Conference on Wireless Computing and Networking (GCWCN-2025), Organized by Singhad Institute of Technology, Lonavala, Maharashtra, India, Date of Conference: 22-23 NOV. 2025.
- Prof. Vishal Rathee, Prachi Palsodkar, Prasanna Palsodkar, Harsha Vyawahare, Sangita Gudadhe, and Pallavi Dhole, has presented a paper titled "Deep Learning framework based High-Performance Monkey-pox Skin Lesion Classification", in

International Conference on Modern Electronics Devices and Intelligent Communication Systems (MEDCOM 2025), Organized by GL Bajaj Institute of Technology and Management, Greater Noida, GB Nagar U.P. 201306, Date of Conference: 11-13 DEC. 2025.

- Prof. Rahul Dhutur, Dr. Salim Chavan, and Dr. Amol Pardhi, has presented a paper titled "Deep Learning Algorithm for Early Pancreatic Cancer Diagnosis", in International Conference on AI Driven Engineering & Technology, AIDCon-2025, Organized by St. Vincent Pallotti College of Engineering and Technology, Nagpur, Date of Conference: 12-13 DEC. 2025.
- Dr. Kanchan Dhote, Kanchan Ganvir, and Pratap Chauhan, has presented a paper titled "An Approach to implement Lean Concepts for Enhancing the Efficiency of the Inbound Supply chain in MS Billets Manufacturing", in 3rd IEEE International Conference on Advance in Computation, Communication and Information Technology (ICAICCIT), Organized by Manav Rachna International Institute of Research and Studies, Faridabad, India in association with IEEE Delhi Section, Date of Conference: 31st October, 2025 and 1st November, 2025.
- Prof. Snehal V. Laddha, Sharvari Nimje, Sanjana Kewalramani, Sambhav Mittal, and Tanishq Rajpura, has presented a paper titled "AI/ML-Driven Kubernetes Scheduling for Energy Efficiency and Carbon Footprint Reduction: A Comprehensive Review", in 6th International Conference on Computational Intelligence (ICCI 2025), Organized by Sardar Vallabhbhai National Institute of Technology, Surat, India, Date of Conference: 27-28, DEC 2025.

Book Chapter Publications

- Prof. Pravin Dwaramwar, D.A. Ansari, P.M. Pandit, and A.A. Gophane, published a book chapter titled "Innovative Approaches to Early Disease Detection in Medicinal Plants Using Deep Learning Techniques" in Innovative Computing and Communications. ICICC 2025, Lecture Notes in Networks and Systems, vol: 1432, Name of Publisher: Springer, Singapore, Date of Publication: 01 OCT 2025.
- Prof. Pravin Dwaramwar, N. Molakatala, R. Deepa, S. Chandra, T.L. Kayathri, and M. Bhutani, published a book chapter titled "Enhancing Adaptability, Security, and Resource Optimization by Converging Generative AI with IoT" in Innovative Computing and Communications. ICICC 2025, Lecture Notes in Networks and Systems, vol: 1432, Name of Publisher: Springer, Singapore, Date of Publication: 01 OCT 2025.
- Prof. Rajesh Khobragade, B. Neeraja, Ashish Avasthi, Saurabh Chandra, V. G. Somarouthu V.A. Prasad, and Monica Bhutani, published a book chapter titled "Current Trends and Future Prospects of Generative AI-Driven IoT" in Innovative Computing and Communications. ICICC 2025, Lecture Notes in Networks and Systems, vol: 1432, Name of Publisher: Springer, Singapore, Date of Publication: 01 OCT 2025.
- Prof. Rajesh Khobragade, B. Neeraja, Ashish Avasthi, Saurabh Chandra, V. G. Somarouthu V.A. Prasad, and Monica Bhutani, published a book chapter titled "A Survey on Exploring the Impact of IoT on Modern Healthcare Systems," in Lecture Notes in Networks and Systems, vol: 1432, Name of Publisher: Springer, Singapore, Date of Publication: 01 OCT 2025.

Guest Lecture Organized

- Dr. Lokesh M. Heda has organized a guest lecture on "VLSI Revolution : Shaping the Next Era of Semiconductors." The guest lecture was delivered by Ms. Nikita Sanghi, Electronics (2019) alumna and Senior Design Verification Engineer at ACL Digital Pvt. Ltd. Bengaluru, India during 4 Oct 2025 at department of electronics engineering, RBU, Nagpur.
- Dr. Lokesh M. Heda has organized a guest lecture on "Bridging Campus to Corporate: Skills, Work Culture and Ethics" The guest lecture was delivered by Ms. Mini Kriplani (Alumna of Electronics -2018 Batch), Workday Integration Consultant at IBM Pvt. Ltd., Pune during 17 Nov 2025 at department of electronics engineering, RBU, Nagpur.

Faculty Highlights

- Dr. Lokesh M. Heda has delivered a Training on IOT during Oct 13, 2025, at CIIT, RBU, Nagpur.
- Prof. Snehal V. Laddha has delivered a Training on IOT during Dec 04, 2025, at CIIT, RBU, Nagpur.

Departmental Activities

Parent Meet

The Parent – Teacher Meeting for the first Semester of the Electronics and Computer Engineering program was held on 01 November 2025. The meeting was chaired by Dr. N. P. Narkhede, Head of the Department of Electronics Engineering. Dr. Narkhede briefed the parents on the various initiatives and efforts undertaken by the department to ensure the overall development of students. He also highlighted the academic and administrative changes introduced following the implementation of Ramdeobaba University. The internal assessment scheme for theory and practical courses, along with the academic policies, was explained by the



Academic Coordinator, Dr. Anju Gupta. Parents were informed about their wards’ performance in the Mid-Semester Examination and their attendance status. Subject teachers discussed individual student performance and suggested measures for academic improvement. The concerns raised by parents were addressed by the Head of the Department. Parents expressed their satisfaction with the efforts taken by the department and the institution. The meeting proceedings were conducted by Prof. Jitendra B. Zalke, Parent–Teacher Meeting In-Charge, who concluded the session with a vote of thanks.

Student Achievements
Placement statistics of 2026 batch

Electronics and Computer Science -61 (unique offers)
Biomedical Engineering -07 (unique offers)

Department of Electronics and
Communication Engineering

Departmental Highlights

Research & Publications

1. Dr. S. B. Pokle published a research paper titled, “Driver Fatigue and Alcohol Detection, Alert and Notification System Using Image Processing And Machine Learning” International Innovations & Scholarly Trends Journal (IISTJ), Volume 01, Issue 01, December 2025 .
<https://doi.org/10.5281/zenodo.17876444>.

2. Dr. S. B. Pokle presented a research paper titled, “Deep Learning-Based Hybrid Beamforming for mm Wave Massive MIMO: Design, Simulation, and Performance Evaluation” 4th International Conference on the Paradigm Shifts in Communication, Embedded Systems, Machine Learning and Signal Processing, PCEMS-2025, Organized at V.N.I.T. Nagpur

on 06-07 November-2025. (SCOPUS indexed conference proceeding)

3. Dr. P. P. Deshpande, have published a research article titled ‘A Multi–Model Machine Learning Framework for Personalised Course Recommendation with Dynamic Feedback’ in the African Journal of Applied Research, 31st October 2025, indexed in Scopus (ISSN: 2408-7920).

4. Dr. J. D. Kene has published a research article titled ‘Advanced Miniaturised Mimo Architecture: High Isolation Four-Element Antenna System for Next Generation Wireless Connectivity’ in the African Journal of Applied Research, in November 2025, indexed in Scopus (ISSN: 2408-7920).

Patent / Prototype / Start-ups News

1. The patent (574631) has been granted to Dr. J. D. Kene and professor A. A. Jaiswal with title “AN AUTOMATIC ELECTRIC VEHICLE” in November 2025.

2. A patent bearing application No.202521076449A, “A Helmet for Miner with Underground Location Tracking” has been published on 05/09/2025 by Dr. D.J. Dahigaonkar.

3. The design “Virtual Assistant Answering Navigating Interacting Robot” has been

successfully registered with the Patent Office, Government of India (Design No. 470577-001) by Ms. Puja S. Agrawal, and students Akul Kute, Aryan Kothari, Riya Thakur, Rishabh Raj, Arpita Singh, Ashutosh Keshpage, and Samiksha Deshmukh.

The project has also been shortlisted for Smart India Hackathon (SIH), reflecting the institute’s strong culture of innovation and applied research.

Conferences / STTP / FDP / MDP / Workshop /
Seminar etc Attended or Organized by Faculty

1. ECE department faculty has attended a week long STTP on Outcome Based Education organized by IQAC Cell RBU Nagpur during 21st December to 25th December 2025.

2. Dr. S. B. Pokle successfully participated and completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Next Generation Communication for 6G and Beyond at Indian Institute of Technology(I.I.T.), Dhanbad, from 1-12-2025 to 6-12-2025.

3. Dr. Prasanna P. Deshpande participated in the National Level Research Workshop-cum-Faculty Development Programme on ‘Preparing Authored / Edited Book Proposals for International Publishers’, organized by Mbien Analytica and Systems in association with Adonic Informatics, Kolkata, on 14th December 2025.

4. Dr. Nishant Madhukar Borkar attended the IEEE SSCS Distinguished Lecture titled ‘Continuous-Time Pipelined Analog-to-Digital Converters - Where Filtering Meets Analog-to-Digital Conversion’, delivered by Prof. Shanthi Pavan and organized by the IEEE-IISc VLSI Chapter on 12 November 2025.

5. Dr. Nishant Madhukar Borkar,

has successfully participated in and completed the AICTE Training and Learning (ATAL) Academy Faculty Development Programme on ‘Next Generation Communication for 6G and Beyond’, conducted at the Indian Institute of Technology (Indian School of Mines), Dhanbad, from 01 December 2025 to 06 December 2025.”

6. Dr. Nishant Madhukar Borkar, has successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Emerging Frontiers in Quantum Technology and Communication at MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, Gwalior, M. P. from 15th to 20th December 2025.

7. Ms. Puja S. Agrawal successfully completed an ISTE approved Faculty Development Program on “Network Security: Concepts, Protocols and Practical Implementation” held from 8–12 December 2025. The program was organized by Agnel Charities Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, focusing on contemporary network security concepts and practical applications.

Faculty Highlights

Promotions, Awards, Ph.D. Awarded or Honors

1. “Prof. Nishant Madhukar Borkar has been awarded the Ph.D. degree in the Faculty of Science and Technology in the subject of Electronics, as per October 2025 notification issued by Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur. His research work carried out at the Research Center — Department of Electronics Engineering, RCOEM Nagpur, under the supervision of Dr. Pallavi K. Parlewar, Department of Electronics and Communication Engineering, RCOEM, Nagpur. He completed his doctoral research under the Visvesvaraya Ph.D.

Programme, a scheme of MeitY, Government of India.” His topic of research is “Design & Development of Wideband Antenna for medical Application”

2. Prof. Prasheel Narayanrao Thakre has been awarded Ph.D. degree in the Faculty of Science and Technology in the subject of Electronics, as per November 2025 notification issued by Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur. His research work carried out at the Research Center — Department of Electronics Engineering, RCOEM Nagpur, under the supervision of Dr. Sanjay B. Pokle, Department of Electronics and

Communication Engineering, RCOEM, Nagpur. He completed his doctoral research under the Visvesvaraya Ph.D. Programme, a scheme of MeitY, Government of India. His topic of research is “Novel Approach for Power and Resource allocation in Non-Orthogonal Multiple Access (NOMA) technique for 5G cellular Systems”

3. Dr. Ankita Harkare received a Travel Grant Award of Rs. 20000 at the flagship IEEE conference MAPCON 2025 at

Kochi. The award was based on the selection process involving the portfolio of the candidate below 45 years of age and their involvement in IEEE activities. She received the award from Dr. Goutam Chattopadhyay, who is a senior scientist at the NASA’s Jet Propulsion Laboratory, California Institute of Technology, and 2025 president of the IEEE MTT Society, and Dr. Anding Zhu current president (2026) of IEEE MTT Society, and in the presence of other dignitaries.



Dr. Ankita H. Harkare receiving the award from Dr. Goutam Chattopadhyay and Dr. Anding Zhu.

Faculty Invited for - Keynote Speeches / Guest Lecturers / STTP / FDP / Others

1. Dr Ankita H. Harkare served as a speaker for the FDP on Recent Trends in Frequency Selective Surfaces Design for 5G & 6G Applications, on October 03-October 14, 2025 organized by E & ICT Academy, ECE MNIT Jaipur.

Alumni Contributions to The University

- The Open Elective semester long Course for III Semester B.Tech. (ECE) students (2024–25 admitted batch) was successfully conducted with expert sessions delivered by industry professionals from Irdeto B.V., Noida. The lectures were handled by Mr. Shubham Deshpande (Product Manager, Irdeto; ECE 2017 batch alumnus) and Mr. Akshit Gupta (DevOps Engineer, Irdeto), benefiting 140 students of III Semester (Sections A & B) from the Electronics and Communication Engineering Department.
- The initiative was coordinated by Dr. R. S. Ochawar (HoD, ECE) along with Prof. Puja S. Agrawal and Prof. Manoj Sarve, with course design, conduct, and evaluation carried out by the industry experts, strengthening industry–academia collaboration and outcome-based learning.

Department of Electrical Engineering

Departmental Highlights

Research & Publications

Publications in high-impact journals : Authors, Paper Title Published in Journal

1. Research paper by M. V. Palandurkar titled “ Design of Single Phase Grid Connected Solar PV Inverter System with ANFIS MPPT” is Published in Engineering Review Journal, Vol. 45, No. 2, pp 85 to 101, ISSN: 1330-9587, EISSN: 1849-0433, DOI: 10.30765/er.2744 during October 2025 (ESCI Indexed Journal)
2. M. V. Palandurkar presented a paper on “Design and Development of Solar Powered Electric Vehicle

Charger” in 2025 IEEE SILCON, International Conference of Silcher Subsection, IEEE Kolkatta,

organised by , NIT Nagaland from 06th to 08th November 2025.

Conference, Events & Seminars Organized

1. **Industry Visit to Highrise Transformers Pvt Ltd.** Students of B.Tech.(EE) Sem-III and V along with faculty members visited the Highrise Transformers Pvt Ltd on 11th October 2025. High Rise Transformers is one of the prominent manufacturers, supplier and service provider of a wide range of transformers, in MIDC, Hingna road Nagpur. This visit was conducted to support the theoretical knowledge gained by the students in the course Electrical Machines which is being studied by them as a part of curriculum. During this visit, the students got exposure to different types of transformers ranging from 5 KVA to a power transformer of

400 KVA ratings. Students also witnessed assembling of core with different sizes of stampings and windings of transformers, oil tank, conservator tank and breather, OLTC, transformer oil filter unit with detailed explanations. They have seen the computer software for design of transformer.

The visit was organized by Dr. M V Palandurkar and was accompanied by Dr. S. V. Umredkar and Dr. Ashish Dongre. Around 50 students joined the same. The Chief Engineer of High Rise Transformers, Shri Samir Jadhav and other Engineers extended their cooperation to make the visit very informative to the students.



Glimpse of Industry Visit

Conferences / STTP / FDP / MDP / Workshop / Seminar etc Attended or Organized by Faculty

1. Dr. Manjusha V Palandurkar, Dr Preeti Kapoor, Prof Manisha Gaikwad, Dr Sheetal Umredkar, Dr S. C. Rangari, Dr Shankarshan Tiwari, Dr Ashish Dongre, Prof Ameya Saonerkar, have successfully completed Self-sponsored Ten days Short Term Training Program (Online mode) on “AI-Driven Solutions for Electrical Engineering: Intelligent Strategies to Tackle Modern EE Challenges”, organised by Department of Electrical Engineering and Department of Computer Science & Engineering, National Institute of Technology Raipur from 8th October to 18th October, 2025.
- Dr Uday Mujumdar, Dr. Manjusha V Palandurkar, Dr Preeti Kapoor, Prof Manisha Gaikwad, Dr Sheetal Umredkar, Dr S. C. Rangari, Dr Prachi Salodkar, Dr Gaurav Goyal, Dr Shankarshan Tiwari, Dr Ashish Dongre, Prof Ameya Saonerkar, have successfully completed one week Training Program (Online mode) on “Outcome Based Education”, organised by Education and Educational Management Department, NITTTR Chandigarh from 21st to 25th December 2025.
- Prof. (Ms.) M. B. Gaikwad have successfully completed NPTEL 12 weeks FDP on “Charging Infrastructure.” organized by IIT Madras during July to Oct 2025.

Internships or placements secured

Sr.No.	Full Name	Company 1
1	Ayush Sanjay Hood	Capgemini and Cognizant
2	Mohit Bhaskar Deo	Capgemini and Cognizant
3	Aditi Deepak Mishra	ETA Engineering
4	Karan Ganesh Belekar	ETA Engineering
5	Kirthana Ashish Turray	ETA Engineering
6	Mahi Abhay Tiwari	ETA Engineering
7	Prerna Devanand Patil	ETA Engineering
8	Vaishnavi Rajesh Agrawal	ETA Engineering
9	Vrushabh Vikas Mourya	ETA Engineering
10	Sejal Devanand Sonkusale	Infosys
11	Nandini Girish Joshi	My Captain and ETA Engineering
12	Aboli Shankar Parate	Siemens

National & International Collaborations & MoUs

Ramdeobaba University, MSEDCL ink MoU

Maharashtra State Electricity Distribution Company Limited (MSEDCL) signed a Memorandum of Understanding (MoU) with Ramdeobaba University to enhance the knowledge and skill base of power sector employees. The MoU was signed by Dilip Dodke, Chief Engineer, MSEDCL Nagpur Circle, and Dr. Rajesh Pande, Vice Chancellor, Ramdeobaba University, in the presence of Sachin Talewar, Director (Operations & Projects), MSEDCL.

The collaboration aims to develop leadership qualities, upgrade professional skills, and strengthen safety standards among MSEDCL employees, ultimately improving service quality, faster grievance redressal, and uninterrupted power supply.

The MoU will also provide Ramdeobaba University students with industry exposure through opportunities to work with MSEDCL, helping bridge the gap between theory and practice and enhancing employability. Additionally, MSEDCL employees will benefit from access to the university's academic resources and faculty expertise.

The MoU is valid for three years.



MoU signed by Dilip Dodke, Chief Engineer, MSEDCL Nagpur Circle, and Dr. Rajesh Pande, Vice Chancellor, Ramdeobaba University, in the presence of Sachin Talewar, Director (Operations & Projects), MSEDCL.

Departmental Activities

Promotions, Awards, Ph.D. Awarded or Honors

1. Parent-Teacher Meet

The parent-teacher meeting was held on 1/11/2025 (Saturday) at 11:00 AM in the EE-3 class room Electrical Engineering Department. The main objectives of the PTM were to review students' academic performance and personal development. HOD, Dr. U. B. Mujumdar, Dr. S. C. Rangari, PTM Coordinator and Prof. P.V.Kapoor welcomed all parents. A total of 27 parents along their wards attended the meeting. Head of the department, Dr. U. B. Mujumdar, along with course

coordinators was available for interaction with Parents. Prof S. C. Rangari provided a comprehensive overview of students' academic performance in unit test1, Teachers assessment, theory/Lab attendance and areas for improvement. She had discussed concerns related to student attendance and punctuality, emphasizing that consistent attendance is crucial for academic success. HOD Sir encouraged parents to motivate students for regular class attendance. especially diploma late admitted students.

Press Coverage

Coverage in Newspapers

TheHitavada
Nagpur City Line | 2025-11-18 | Page-3
ehitavada.com

MSEDCL, Ramdeobaba University ink MoU

■ Staff Reporter

MAHARASHTRA State Electricity Distribution Company Limited (MSEDCL) inked a Memorandum of Understanding (MoU) with Ramdeobaba University, aimed at improving the knowledge-based approach of power sector employees. Dilip Dodke, Chief Engineer, MSEDCL, Nagpur Circle, Dr. Rajesh Pande from Ramdeobaba University signed the MoU respectively in presence of Sachin Talewar, Director, Operations and Project, MSEDCL.

MSEDCL is the biggest power sector company with customer base of 3.16 crore, the highest in Asia. The State-run company wants to develop leadership qualities among its employees, upgrade their professional skills and ensure high safety standards within the organisation. With the MoU, the aim is to develop skill development among the employees of the Government-run company that will help in faster redressal of customers' complaints and ensure uninterrupted power supply and also help in bringing down mishaps. Also, the system can be improved over time, helping deliver required results to the satisfaction of customers.

For students of Ramdeobaba University, they can get an opportunity to work in MSEDCL-run institute, strengthening industry-institute partnership. The exposure to the field will help students understand the requirements of industry and shape their career. This will increase their chances of employability in the sector by bridging the gap between theory and practical application.

As to Maharashtra State Electricity Distribution Company Limited, the availability of vast library of the University will help the power sector employees to update their knowledge. Also, interaction with faculty helps in understanding the current research in electrical field. The MoU is valid for a period of three years.

2. Electrical Premier League 4.0 Concludes with High Energy and Sportsmanship

The Electrical Engineering Department of Shri Ramdeobaba University organized Electrical Premier League (EPL) 4.0, a two-day inter-year cricket tournament under EESA on 4th and 5th October 2025. A professional-style player auction added excitement, with faculty-owned teams competing in

league and knockout matches.

Faraday Falcons, led by Karan Belekar, won the championship, while High Power Hitters finished as runners-up. Vansh Dubey and Jiya Vij were named Most Valuable Players (Male and Female).

The event, guided by Dr. Uday Mujumdar and EESA faculty coordinators, strengthened teamwork, leadership, and faculty-student bonding.

ePaper

नवभारत

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मेक इन महाराष्ट्र को नई 'ऊर्जा' महावितरण व रामदेवबाबा यूनिवर्सिटी के बीच हुआ एमओयू

■ नागपुर, निज संवाददाता. महाराष्ट्र के ऊर्जा क्षेत्र को और अधिक सुदृढ़ एवं सक्षम बनाने के लिए महावितरण ने एक दूरदर्शी कदम उठाया है. महावितरण नागपुर और शहर के प्रतिष्ठित रामदेवबाबा यूनिवर्सिटी के बीच ज्ञान आधारित एक महत्वपूर्ण करार किया गया है. इस करार से विद्युत क्षेत्र के कर्मचारियों के व्यावसायिक कौशल और गुणवत्ता में वृद्धि होगी जिससे राज्य के बिजली उपभोक्ता, इंजीनियरिंग छात्र तथा महावितरण को बड़ा लाभ होगा. महावितरण के संचालक सचिन तालेवार की प्रमुख उपस्थिति में यह एमओयू साइन किया गया. यूनिवर्सिटी के उपकुलपति डॉ. राजेश पंडे और महावितरण की ओर से नागपुर परिमंडल के मुख्य अभियंता दिलीप दोडके ने इस पर हस्ताक्षर किए. बताया गया कि कंपनी के लिए अपने कर्मचारियों में नेतृत्व क्षमता, आधुनिक तकनीकी कौशल, पेशेवर दक्षता तथा उच्च सुरक्षा मानकों का

3 वर्ष रहेगा प्रभावी

यह करार 3 वर्ष के लिए किया गया है. यह पूरी तरह 'ज्ञान आधारित' है और किसी भी पक्ष पर कोई आर्थिक दायित्व नहीं रहेगा. इस करार से रीशनिंग उत्कृष्टता और सर्वजनिक क्षेत्र की सेवा-प्रणाली के बीच मजबूत समन्वय स्थापित होगा, जिससे महाराष्ट्र के ऊर्जा क्षेत्र को नई दिशा मिलने की आशा व्यक्त की गई. इस अवसर पर महावितरण के मुख्य अभियंता (परिक्षण) मनीष खट्ट, यूनिवर्सिटी के अनेक विभाग प्रमुख तथा महावितरण के वरिष्ठ अधिकारी उपस्थित थे.

विकास करना अत्यावश्यक है. इसी उद्देश्य से 'मेक इन महाराष्ट्र' की तर्ज पर कौशल विकास बढ़ाने का निर्णय लिया गया है.



School of Engineering Sciences

Department of Mechanical Engineering

Departmental Highlights

Research & Publications

- Dr. A. S. Chatpalliwar has published a research Paper titled as “Building fault-specific decision trees for quality control in steel plate manufacturing through machine learning approach” Published in International Journal of Mechatronics and Manufacturing Systems, Inderscience Publishers (Scopus Indexed) in December 2025
- Dr. Pranjali Deole has published a research paper titled “Assessing Barriers to IoT Implementation in Circular Systems using Spherical Fuzzy AHP Approach “in Journal of Scientific & Industrial Research (SCI Indexed) in October 2025.
- A research article by Vishal Shukla, Effect of Metal-Based SiO₂ Nanoparticles Blended Concentration on Performance, Combustion and Emission Characteristics of CRDI Diesel Engine Running on Agri & Food Waste Biodiesel and ANN Prediction Using MATLAB, is published in Silcon by Springer Nature (Q2-SCIE-Dec 2025)
- Dr Vishal Shukla has published a research paper titled, “Advances in High-Temperature Shielding Materials for Nuclear Reactors: Alloys, Ceramics, Composites, and Future Outlook”, in High Temperature Material Processes (An International Quarterly of High-Technology Plasma Processes), Begell House (Scopus Q4, H-Index: 20)
- Dr. Y. M. Sonkhaskar has published a research paper titled, “Evaluation of photovoltaic thermal-based humidification-dehumidification desalination” November 2025, Journal of Applied Thermal Engineering 285:129277, (SCI Indexed).
- Dr. B K Patle has published a research paper titled “Intelligent drone navigation using a hybrid neighborhood dragonfly algorithm and probability fuzzy logic (NDA– PFL) in uncertain environments” October 2025, in Journal of Industrial Robot: the international journal of robotics research and application. (SCIE)
- Dr. B K Patle has published a book titled “Metaheuristics in Engineering Applications” December 2025, in CRC press, Taylor and Fransis (Scopus).

of Mechanical Engineering, Ramdeobaba University Nagpur during 8th - 13th Dec 2025. The program Coordinator was Dr. Vishal V. Shukla and the Co-coordinator was Dr. Vandita Thantharate Shahu. The national-level event gave an opportunity to

240 participants all around India to listen to the renowned experts from Industries, IIT Rookee, VNIT Nagpur, NEERI, TERI, MGIRI, SPRERI, DIAT Pune, BITS Pilani, leading government and research institutions.

Conference, Events & Seminars Attended

- 20 Faculty members from the Department attended 6 days The AICTE ATAL Online Faculty development program on “Hydrogen Energy Transformation: Sustainable Production, AI/ML Integration, and Policy Alignment was organised by the department of Mechanical Engineering, Ramdeobaba University Nagpur during 8th-13th Dec 2025.
- Dr. vandita shahu, Assistant Professor of Ramdeobaba University, Nagpur participated in AICTE Training and Learning (ATAL) Academy Faculty Development Program on Hydrogen 3600: Unlocking the Potential of Sustainable Power at Army Institute of Technology, Pune from 17/11/2025 to 22/11/2025.
- Dr. Alok Kumar Jha, Assistant Professor, Ramdeobaba University, Nagpur, successfully completed the AICTE–ATAL online Faculty Development Program on “Advanced Composite Materials for Space and Defence Applications,” held at L. D. College of Engineering from 01/12/2025 to 06/12/2025.
- Dr. Alok Kumar Jha, Assistant Professor, Ramdeobaba University, Nagpur, successfully completed the AICTE–ATAL online Faculty Development Program on “AI-Driven Advances in Mechanical Engineering,” held at Shreeyash Pratishtan’s, Shreeyash College of Engineering & Technology from 10/11/2025 to 15/11/2025.
- Mr. Harish Kutemate, Flying Officer (NCC), Indian Air Force, conducted a guest lecture on “Drone Technology in Defence” for the students of IIIrd Semester on 31.10.2025.
- Dr. Vijay Gandhewar, General Manager (Training), Adani Power, Tiroda, conducted a guest lecture on “From Coal to Electricity” for the students of Vth and VIIth Semester on 01.11.2025.
- Mr. Dushyant Shesh, Lieutenant Commander, Indian Navy, Alumnus ME 2013, conducted a guest lecture on “Career Opportunities in Indian Navy” for the students of Ist Semester on 07.11.2025.
- Ms. Mahi Jenekar, Graduate Engineer Trainee, Calderys, Alumna ME 2025, conducted a guest lecture on “Preparing for Campus Interviews” for the students of VIIth Semester on 04.12.2025.
- Mr. Sanskar Bhatnagar, HR Officer, Forbes Marshall, Pune, conducted a guest lecture on “Preparing for Career in Core Sector” for the students of Vth Semester on 27.12.2025.

Conference, Events & Seminars Organized

- 05 Day Workshop for “CFD using ANSYS Fluent ” was organized by the department of Mechanical Engineering. The initiative taken by Dr. Vandita Thantharate and co-ordinated by Dr. Yogesh Joshi.
- One Week Faculty Orientation Program on “Robotics & Roboanalyser” was organized by the department of Mechanical Engineering during 1st - 06th Dec 2025. This program was coordinated by Dr. G. R. Nikhade.
- 05 Days training program on Objective Based Education was organized for 300 faculty members of RBU by Dr. Pranjali Deole from 21 December to 25 December 2025.
- Dr Kanchan Naidu of MBA department has conducted Financial Literacy Workshop, One hour each, for the students of the Second and Third year Mechanical and Robotics AI during 8 -11 October
- 6 days The AICTE ATAL Online Faculty development program on “Hydrogen Energy Transformation: Sustainable Production, AI/ML Integration, and Policy Alignment was organised by the department

Faculty Highlights

- Dr. A. K. Jha delivered an expert talk titled “Composite Materials: Innovations, Applications, and Future Prospects in Engineering” on 18th December 2025, during the one-week Faculty Development Program on “Advances in Material Science & Engineering,” held from 15th to 20th December 2025, organized by the Department of Mechanical Engineering, Nagpur Institute of Technology, Nagpur, in association with The Indian Institute of Welding (IIW).
- The Department was also awarded a trophy for having the maximum number of granted patents during the year 2024-25.



Faculty Highlights

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- The Department was also awarded a trophy for having the maximum number of granted patents during the year 2024-25.

Community & Social Impact

- Outreach programs: Dr. G R Nikhade, delivered an expert talk on “Mechatronics” at Yantra Institute of Technology and Management (Ministry of defence), Ambajhari, Nagpur on 10 Sept, 2025.

Departmental Activities

- A meeting of the Board of Studies, BoS was conducted in hybrid mode (Online and Offline) on Friday 12.12.2025 at 11.30 AM. The following external members were present during this meeting.
 - Dr. Ashish K. Darpe Professor, IIT, Delhi Online
 - Dr. Shital Chiddarwar Professor, VNIT, Nagpur Offline
 - Mr. Saurabh Motiwala Consultant, Akshat Jyoti Solutions, Jagdalpur, (C.G.) Online
 - Mr. Shreyas Bhagwat Design Engineer at Dassault System, Pune Online
- An Industry visit was organised for the students of Third year B. Tech Mechanical Engineering to Ashok Leyland Plant at Bhadara on 28th Oct 2025.

Parents Meet

The Department of Mechanical Engineering conducted a Parent–Teacher Meeting for first-semester B. Tech Robotics & AI and B. Tech Mechanical students on 01st November 2025. The session facilitated interaction between parents and faculty, focusing on attendance, academic performance, engagement, and co-curricular activities. Faculty shared progress and guidance, while parents appreciated the support. Feedback on curriculum, assessment, and student services was also received for improvement.



- The Department successfully conducted the CRT Training from 21st to 30th Dec 25 for the Third Year Students and Aptitude Training from 22nd to 27th Dec 25 for the Second Year Students organised by the CDPC

Student Achievements

- Under the guidance of Dr. Y. M. Sonkhaskar, 4 Students, Aaditya Kothiwale, Nelson Majumdar, Ameya Arora from Mechanical Engineering and Shantanu Sarode from Electronics and Communication Engineering of RCOEM 5th Sem were selected to represent the institute at the India Geo-Finale of AAKRUTI Innovation Competition 2025. AAKRUTI is a worldwide design contest held by Dassault Systèmes, with over 37 countries and more than 1200 teams participating worldwide. Their product, the VibroGen, which is an innovative solution focused on harvesting energy, converts the mechanical motion induced by the locomotive into electrical motion, through means of piezoelectrics. Their project went on to be selected as the top 11 innovation projects, originating from top design and engineering colleges of the India-China region. The team, along with the project prototype, were invited to the Dassault Campus, Pune, Hinjewadi, and presented their innovation to an acclaimed jury panel.



- Students from the B.Tech 3rd Year, Department of Mechanical Engineering,
- Aniket Jayant Patrale, Aryan Shivhare, and Akshad Choudhary — brought laurels to the institution by securing the First Prize among 15 Shortlisted teams at the ENVISION 3D Competition, held during the 14th International Conference + Expo – AMNEXT 25 on 10–11 October 2025 at The Lalit Ashok, Bengaluru, India.
- The event, titled “A Printing Innovation Challenge,” was jointly organized by the Additive
- Manufacturing Society of India (AMSI) and Indian Women in 3D Printing, with support from the Central Manufacturing Technology Institute (CMTI), Bengaluru.
- Their project, “A Flexible-by-Design Paradigm for High-Performance Hydraulic
- Actuation via Additive Manufacturing,” showcased innovative solutions to overcome
- limitations of conventional driveline systems in Automobile Industry. The team used CATIA for CAD modeling and Bamboo Lab 3D printer facilities at CIIT-RBU Nagpur.
- The project was carried out under the guidance of Dr. V. V. Shukla, Dr. Y. M. Sonkhaskar, and Dr. Himanshu Singh from the Department of Mechanical Engineering, Ramdeobaba University.





- Students from the B.Tech 2nd Year, Robotics and AI, Department of Mechanical Engineering secured the third position at the prestigious National Level Hackathon - INDEX 5.0, organized by the Quality Circle Forum of India (QCFI) in association with SensLive Technologies and Vikrant University, Gwalior.
- The 24-hours offline hackathon was held on 28th and 29th October 2025. Securing second runner up position among selected top 20 teams across India in the grand finale through an extremely challenging two stage elimination is achievement.
- RBU's team, ChaturGo DairyBot, comprising Anushka Kalambe, Yug Daharwal, Arushi
- Joshi, Aarohi Thengdi, and Vanshika Kadbajiwar, demonstrated an innovative robot designed for automated cow milking, cow feeding, and dairy farm cleaning effectively addressing the rural automation key challenges in dairy farm solution for rural areas.
- Recognizing their outstanding innovation and performance, the team has received award of cash prize of ₹50,000.
- The team was mentored by Dr. Abhijeet Raut, Assistant Professor, Mechanical Engineering.

- Hon'ble Chancellor Dr. S. S. Mantha & Hon'ble Vice Chancellor Dr. R. S. Pande has congratulated the winning team and mentors, Dean of the School of Engineering Sciences, and HOD of Mech. Engineering, RBU, Nagpur for promoting innovation and tech. excellence.



Mr Raghav Voditel a student of Second year B Tech Robotics and AI got selected for an International Internship in USA.

School of Management

Departmental Highlights

Conference, Events & Seminars Organized Department-Hosted Competitions or Fests

Finance Club

The RBI Internship Guiding Session was conducted to provide insights into the research and internship opportunities offered by the Reserve Bank of India. The session began with a welcome address by the faculty, followed by an engaging presentation by the resource person. He shared his personal experience working on his internship project titled "Comparative. Analysis of Yields and Maturity Profiles of Government Securities in India, Emerging Market Economies (EMEs), and Advanced Economies." He explained the methods used in his analysis, 12 countries analysed by him, the significance of yield curves in assessing economic performance, and how maturity profiles vary across different economies. The speaker also guided students on the procedure to apply for the RBI internship through the official website and emphasized the importance of building strong research and analytical skills for future opportunities in the financial sector.

Economics Club and Finance Club

The School of Management, Ramdeobaba University, hosted SANSKODHAN 2025 - a three-day sectoral analysis competition jointly organized by the Economics Club and Finance Club from October 6 to 8, 2025. The event aimed to enhance students' analytical, research, and presentation skills through in-depth exploration of various industries. The event was graced by Mr. Sharad Bhawe, an industry and academic expert, who served as guest and evaluator for all three days. He engaged with participants thought-provoking questions, shared insights on leadership, sustainability, and innovation, and encouraged students to bridge academic learning with real-world business understanding. Sectoral analysis, as highlighted during the event, helps students gain a deeper understanding of how industries operate, identify growth drivers, assess risks, and interpret economic and policy trends — skills essential for future business leaders and consultants.

Faculty Highlights

Faculty Invited for - Keynote Speeches/Guest Lectures / STTP / FDP / Others

- Dr. Vishal Mehta and Dr. Kanak Wadhwani were invited to conduct a training on the topic 'Team Building Exercise' for IRMS Probationers on 6th October 2025 in National Academy of Direct Taxes, Nagpur.

- Dr. Pritam Bhadade was invited to conduct a training on the topic "Assertive Communication and

Presentation Skills" for the employees of Power Grid Corporation of India Ltd. Nagpur on 10th October 2025.

Student Achievements

Internships or placements secured

For the Batch 2024-2026

1	MBA	Ruchika Kukadkar	Placement	Capgemini
2	MBA	Kashish Ahuja	Placement	Capgemini
3	MBA	Sakshi Kale	Placement	Capgemini
4	MBA	Naysha Razvi	Placement	Capgemini
5	MBA	Aniket Purushottam Pandey	Placement	Capgemini
6	MBA	Shraddha Gupta	Placement	Capgemini
7	MBA	Sanjana Pakhrani	Placement	Capgemini
8	MBA	Pranshu Tiwari	Placement	Capgemini
9	MBA	Shatakshi Kalkonde	Placement	Capgemini
10	MBA	Yashika Dhimole	Placement	Capgemini
11	MBA	Loveleen Jogasingh Pal	Placement	Capgemini
12	I-MBA	Diya Devendra Kothari	Placement	Capgemini
13	I-MBA	Darshan Dhananjay Jain	Placement	Capgemini
14	I-MBA	Tarini Yashpal Kalda	Placement	Capgemini
15	MBA	Radhika Nair	Placement	Capgemini
16	MBA	Sajeda Khatun	Placement	Capgemini
17	MBA	Sharvari Deshmukh	Placement	Capgemini
18	MBA	Shreya Vilas Ghuge	Placement	Capgemini
19	MBA	Sanvi Tumane	Placement	Capgemini
20	MBA	Sneha Adwani	Placement	Capgemini



21	MBA	Sambhavi Shrivastava	Placement	Capgemini
22	MBA	Bhavya Sharma	Placement	Capgemini
23	MBA	Romil Kalihari	Placement	Capgemini
24	I-MBA	Aishwarya Manoj Paidalwar	Placement	Capgemini
25	I-MBA	Akanshi Ashok Sharma	Placement	Capgemini
26	I-MBA	Gouri Prashant Teje	Placement	Capgemini
27	I-MBA	Shruti Sanjay Kakde	Placement	Capgemini
28	I-MBA	Simran Naresh Manthapurwar	Placement	Capgemini
29	MBA	Harish Paliwal	Placement	Fendahl
30	MBA	Shashank Tibra	Placement	Fendahl
31	MBA	Balram Dholwani	Placement	HDFC Life
32	MBA	Apurv Mankar	Placement	HDFC Life
33	MBA	Kshitij Vinod Muley	Placement	HFFC
34	MBA	Purva Mashankar	Placement	HFFC
35	MBA	Hitesh Saini	Placement	HFFC
36	MBA	Yash Khatri	Placement	HFFC
37	MBA	Yash Mahule	Placement	HFFC
38	MBA	Rohit Tiwari	Placement	ITC (PPO)
39	MBA	Yogesh Meshram	Placement	Spacewood
40	I-MBA	Ojas Anil Mohod	Placement	spacewood
41	I-MBA	Shantanu Sharad Sontakke	Placement	spacewood
42	I-MBA	Raj Rudra Pratap Singh	Placement	Spacewood
43	MBA	Jay Ramtekkar	Placement	Swiggy
44	MBA	Swaroop Kale	Placement	Swiggy
45	MBA	Kanak Dhote	Placement	IDC Construction
46	MBA	Tejas Morande	Placement	IDC Construction
47	IMBA	Rajas Dhote	Internship + PPO	Unlox and Launched global
48	IMBA	Tanay Agrawal	Internship + PPO	Unlox
49	MBA	P V Sai Vedant	Internship + PPO	Unlox
50	MBA	Ritika Sanghi	Internship + PPO	Unlox
51	MBA	Sanket Panbude	Internship + PPO	Unlox
52	MBA	Tania Seth	Internship + PPO	Unlox
53	MBA	Tanishka Patil	Internship + PPO	Unlox
54	MBA	Abhishek Pandey	Placement	Solar Square
55	IMBA	Ketan Pande	Internship + PPO	Launched Global

Alumni Achievements



Ashish Dayma
MBA (Batch 2017-19) has been promoted to Sr. Sales officer at Jockey India Ltd



Shubhash Upadhyay
MBA (Batch 2021-23) has been promoted to Branch Manager at Mahindra Home Finance.



Pooja Pali
MBA (Batch 2020-22) has been promoted to Senior Executive – Learning & Development at Persistent Systems.



Abhishek Maloo
MBA (Batch 2021-23) has been promoted to Branch Sales Manager, IDFC First Bank.



Hasmat Ali
MBA (Batch 2022-24) has been promoted to Account Manager, Swiggy Ltd.



Harshal Sathawane
MBA (Batch 2022-24) has been promoted to International Marketing and Sales Manager at Oriental Rubber Industries Private Limited.



Aditya Rathi
MBA (Batch 2017-19)



Samay Khairkar
MBA (Batch 2017-19)

They contributed to the institution in the area of student placements. As an alumnus of RCOEM and currently serving as Area Sales Manager – Head at Swiggy, his initiative to visit the campus and recruit RBU students is highly appreciated.

Departmental Activities

Educational Visit to RBI Nagpur Branch, 19 December 2025



Students of RBU, School of Management visited the Reserve Bank of India (RBI), Nagpur Branch, where officials conducted an informative session on the role of RBI and career opportunities available for students. During the interaction, the officials explained various career paths in RBI such as RBI Grade B Officer, RBI Assistant, and specialist positions in economics, finance, statistics, law, and information technology.

The session also focused on how to crack RBI banking examinations. Students were guided about the exam structure, preparation strategy, importance of strong fundamentals in economics and finance, regular current affairs study, mock tests, and interview readiness. Officials emphasized disciplined preparation, conceptual clarity, and awareness of RBI's functions. The visit, organized under the guidance of Prof. Leena Kapse, Dr. Sampada Wasade, and Dr. Avni Thakkar, was highly enriching and motivating, inspiring students to explore career opportunities in India's central banking institution.

School of Humanities

Department of Humanities

Departmental Highlights

Research & Publications

- Dr. Vinod Asudani's papers titled as 1. 'Cultural Encounters and the Emergence of Postcolonial Identity in Jhumpa Lahiri's The Namesake' and 2. 'The Concept of Identity and Belongingness in Amitav Ghosh's The Shadow Lines and The Hungry Tide' were published in TIJER-International Research Journal, December 2025, Volume 12, Issue 12, ISSN : 2349-9249. In the first paper Dr. Vinod Asudani's was the first author with Ms. Aarti Singh and in the second paper he was a co-author with Bhavneet D Souza.
- Dr. Deepti Jain Thakre's paper was published online on August 22, 2025, in the International Journal of Informative & Futuristic Research (IJIFR) titled "Digital Devotion: A study of Spiritual Identity Formation in Online Sacred Spaces"
- Ms. Pratishruti Singh Agarwal published a paper titled 'Documentation of Power and People in Amitav Ghosh's Countdown: A Study in Perspectives' in International Journal of Informative and Futuristic Research, July 2025.
- Ms. Pratishruti Singh Agarwal published a paper titled 'Harnessing Comics and Cartoons For Effective Language Learning In India: Integrating Visual Narratives In Modern Pedagogy' in International Journal of Environmental Sciences, June 2025
- Ms. Asifa Ebrahim's Book Chapter titled as "A link Between Colonialism and Neo-Colonialism through the Parables in The Nutmeg's Curse by Amitav Ghosh" got published in the book Neocolonialism: Re-Presenting Narratives, Realities and Responses as a conference proceeding. The book has been indexed in Scopus and is available on the Taylor and Francis, CRC Press & Routledge Website with ISBN 9781041209898.
- Ms. Asifa Ebrahim presented an online paper titled, "Neurodiversity through the use of Varied Linguistic Dialects of the Indian Subcontinent in Amitav Ghosh's Fiction" at a National Conference on 'Neurohumanities: Convergence of Literature, Art, and Cognition' organised by Kristu Jayanti (Deemed to be University), Bengaluru,

India.

- Ms. Aarushi Walgaonkar published a Paper in the IJCRT international open access Journal titled "Women Empowerment and Humanitarian Values in Sudha Murty's Children Literature" (8 August 2025)
- Ms. Aarushi Walgaokar presented and published a paper at the National Conference on Mass Media Modern Literature titled "A study of Adaptation, representation, and commercialization of Indian Mythological" (12 th December 2025)
- Ms. Aarushi Walgaokar and Dr. Deepti Jain presented a paper titled "Ethical Frameworks for Responsible Artificial Intelligence in the next Decade" at a two day international conference, DMCICS, Karnataka, India (4th June 2025)
- Ms. Aarushi Walgaokar presented a paper titled "The Portrayal of Mental Health Issues in Modern Children's Literature" at the International Conference on Social Sciences and Humanities, Kolkata (10th June 2025)
- Ms. Aarushi Walgaokar presented a paper titled "Food, Values, and Identity in Indian Cartoons" at the International Conference in Sighting Anthropogenic, Culture, Politics, and Literature. (8th November 2025)

Conference, Events & Seminars Organized

Ms. Pratishruti Singh Agarwal organized a guest lecture on the topic- 'Discover Deutschland' on 4/10/2025 for B.Tech 1 st Semester students studying Liberal Arts Course (Introduction to German Language and Culture). The experts were Riko Eichner and Luca Ziemann from Germany. (Ms. Pratishruti Singh Agarwal organized a guest lecture on the topic- 'Discover Deutschland' B.Tech 1st Semester students. Liberal Arts Course (2), Riko Eichner and Luca Ziemann delivering a guest lecture on the topic- 'Discover Deutschland')





Ms. Asifa Ebrahim organised a workshop titled “Your Roadmap to Recruitment Success” for the first-year students of Civil, Electrical, Robotics and AI, and Electronics and Communication Engineering branches. The workshop was scheduled from 9:30 AM to 4:30 PM. for three days and recorded an active participation of 350+ students. The sessions were facilitated by Mrs. Arifa Bunglowala, Corporate Soft Skills Trainer and Counsellor from Indore effectively engaging students through structured sessions, interactive exercises, and activity-based learning methods. (Ms. Asifa organized a workshop (1), 2)

Conferences / STTP / FDP / MDP/ Workshop / Seminar etc. Attended or Organized by Faculty

1. Ms. Shweta Kadam successfully completed the NPTEL Online Certification for the course ‘OBE and Accreditation’ offered by Indian Institute of Science Bangalore and secured 90% marks in the exam. (Shweta Kadam - NPTEL OBE)
2. Ms. Asifa Ebrahim successfully completed the NPTEL Online Certification for the course ‘OBE and Accreditation’ offered by Indian Institute of Science Bangalore and secured a position among the top 5% candidates appearing for the exam. She also successfully completed the NPTEL Online Certification for the course ‘The Literature of Climate Crisis’ offered by Indian Institute of Technology Madras. (Asifa Ebrahim - NPTEL The Literature of Climate Crisis-1_page-0001, Ms. Asifa - NPTEL OBE)
3. Dr. Deepti Jain successfully completed Online Certification from NPTEL on ‘Applied Positive Psychology’ offered by Indian Institute of Technology Guwahati and ‘OBE and Accreditation’ offered by Indian Institute of Science Bangalore.
4. Ms. Aarushi Walgaonkar successfully completed the following : a. one year ‘Post Graduation Certificate in Teaching English Language’ course from English and foreign Language University (EFLU) Hyderabad.
b. Successfully completed the certificate Course on Outcome Based Education (OBE) Offered by NPTEL.
5. Research Scholar Mr. Arpit Gupta actively participated in a 5-Day International Faculty Development Program (IFDP)" on “Knowledge Sharing on A to Z of Journal Publications” organized by IFERP Author Services, held from 8 December 2025 to 12 December 2025.
6. All the faculty members of the Department of Humanities participated in the AICTE Recognized FDP on Outcome Based Education conducted by Education and Educational Management Department of National Institute of Technical Teachers Training and Research, Chandigarh for one week at Ramdeobaba University, Nagpur.

Faculty Highlights

- Dr. Deepshikha Mehra was invited as a judge on 12th November 2025 for presentations by school teachers. The annual event is organized by Bhavan’s Bhagwandas Purohit Vidya Mandir, Koradi, Nagpur for the “Bhavan’s 3rd K.M. Munshi – Literary Voices: A Celebration for Expression”
- Dr. Vinod Asudani was invited to deliver key note address in the national seminar on ‘75 Years of Sindhi Literature’ held at Adipur, Gujarat on 9 November 2025, organized by Malhi Cultural Academy and National Council for the promotion of Sindhi Language.
- Dr. Vinod Asudani’s Sindhi Poetry book entitled ‘Torn and Tattered Legacy’ was published and released in a literary program held at Indian Institute Sindlogy at Adipur Gujarat on 8 November 2025.
- Dr. Vinod Asudani was invited to present a paper on feminism in Sindhi Gazal in One-Day National Conference held at New Delhi on 14 December 2025 organized by Central Sahitya Academy and Sindhi Delhi Academy.
 1. a. Dr. Deepti Jain Thakre delivered an online guest lecture for the online lecture series of B.A. Part II, Semester III, organised in collaboration with the Board of Studies, RTM Nagpur University and

other colleges on the following topics:

- i. Use of Audio/Video Aids
 - ii. Reading and Reciting Poems
 - iii. Giving Presentation (PPT)
 - iv. Basic Writing Skills and their importance
- a. Dr. Deepti Jain Thakre delivered an Online guest lecture for the three-day online Workshop on “Career Readiness and Professional Empowerment for undergraduate students” on 15 the December 2025 on the topic “Internship, Apprenticeship & Workplace Exposure”
 - b. Dr. Deepti Jain Thakre invited as a judge at J.N. Tata Parsi Girls’ High School for Inter-School Extempore Competition
 - c. Dr. Deepti Jain Thakre invited as a judge on 8th November at Delhi Public School for ‘DPS Litfest 2025’, an Interschool competition.
2. a. Pratishruti Singh Agarwal was invited by Dr. S.C. Gulhane Prerna College of Management and Technology, Nagpur on 2/12/2025 as an expert to deliver a talk on ‘Resume Writing for MBA and MCA Students’
b. Ms. Pratishruti Singh Agarwal was invited at Shri Mathuradas Mohta Science College, Nagpur as an expert to deliver a talk on ‘Resume and Cover Letter Writing, Interview Etiquette’
c. Ms. Pratishruti Singh Agarwal was invited by the Post Graduate Department of Gandhian Thought as the Chief Speaker to deliver a talk on the topic- ‘Gandhi and Public Communication’
d. Ms. Pratishruti Singh Agarwal was invited to Somalwar High School, Ramdaspath to judge ‘Bal Sansad’
 - Ms. Aarushi Walgaonkar was invited as a Judge for the Inter-Collegiate Storytelling Competition at R.S Mundle College of Arts and Commerce.
 - Ms. Aarushi Walgaonkar was also invited as a compere for a National Conference held at City Binzani College, Nagpur
 - Ms. Aarushi Walgaonkar authored a book of poetry titled ‘Six Feet of Silence’ an anthology of poems, published by Book Leaf. She has written numerous poems that got published in The Hitavada Youth Zone.
 - Ms. Bhavika Raut was invited as a Keynote Speaker at Law Dept, Yeshwant Mahavidyalaya, Wardha

Infrastructure & Facilities

- The English Language Lab software has been upgraded from DLM to DLM Impact, offering a more flexible and advanced digital learning environment. It can be accessed on any browser-enabled device within the campus and supports simultaneous logins for multiple users and teachers, while allowing real-time monitoring by the Departmental head. The software includes integrated assessment tools and competitive exam modules. With streamlined user management, advanced communication features, detailed learner profiles, and certification on course completion, DLM Impact significantly enhances teaching and learning efficiency.

Community & Social Impact

- **Outreach Programs**
- As part of the Liberal Arts courses, the department conducted the course Nature Camp for sem I students in coordination with Maharashtra Forest Department under the Nisarg Anubhav Programme. Two batches of students were taken to Pench Tiger Reserve, Sillari. The course aims at sensitizing students about the importance of nature and its beauty. They participated in various activities such as lecture session on Vulture Conservation program, butterflies and birds of Pench Tiger Reserve, Use of Artificial intelligence in wildlife conservation, poaching and other threats to wildlife. They also undertook wildlife safari and were introduced to astronomy through the Dark Sky in the buffer region of the Tiger Reserve. The students were taken for a nature trail to understand the importance of wetlands.



Batch 1 with the experts and faculty



DFO, Dr. Chandewar explaining about flora during the nature trail at Pench



Batch 2 with the experts and the faculty

Department of Physics

Departmental Highlights:

Research & Publications

Publications in High-Impact Journals :

Authors, Paper Title, Published in Journal

1. Shilpa Kulkarni, Nikhil Kolte, Shruti P. Dhale, Kalpana Adhau, Nilesh Suresh Rao Ugemuge, Umesh A Palikundwar, Comparative study on spectroscopic analysis of Gd³⁺ doped AMgAl₁₀₀O₁₇ (A= Ba, Sr) phosphors synthesised by combustion method for medical science applications, Canadian Metallurgical Quarterly, Published on 31st October, 2025. <https://doi.org/10.1007/s00339-025-08574-z>.
2. Renuka Nafdey, P. K. Tawalare, P. P. Lohe, Shruti Dahale, N.S. Ugemuge, and S.V. Moharil, Review on white-light-emitting diodes based on nanomaterials, CANADIAN METALLURGICAL QUARTERLY, Accepted 14 October, 2025. <https://doi.org/10.1080/00084433.2025.2578081>
3. Renuka Nafdey, Shruti P. Dhale, Nilesh S. Ugemuge, Vartika S. Singh, S.V. Moharil, Synthesis, Spectroscopic Analysis and Fabrication of Phosphor Converted Monochromatic UV-LED Using Fluoride Phosphors, Materials Research Bulletin, Volume 195, March 2026, 113875 March 2026, 1138753rd November 2025, doi.org/10.1016/j.materresbull.2025.113875.
4. Renuka Nafdey, Ashvini Pusdekar, Nilesh S. Ugemuge and S. V. Moharil, Synthesis and Host-Sensitized Luminescence in Mg₂YVO₆:M³⁺ (M = Eu, Er, Sm, Dy, Tm, Bi) Phosphor for Application in Human-Centric Lighting, ACS, Applied Optical Materials <https://doi.org/10.1021/acsaom.5c00470>.
5. Renuka Nafdey, Mugdha V. Dambhare, Bhavana P. Butey, Akhilesh, Ugale, Sangita Wankhede, and Sanjiv Moharil, Energy Transitions in Ce and Tb Co-doped Potassium Yttrium Borate, Mugdha Dambhare, Renuka Nafdey, Journal: Spectroscopy Letters, accepted on 18th November. Published online on 10th December 2025. <https://doi.org/10.1080/00387010.2025.2596781>.
6. Renuka Nafdey and Sanjiv V. Moharil, Designing a human safe LED using 505 nm and 495 nm chips: Proof of Concept" by Nafdey et al 2025 ECS J. Solid State Sci. Technol. Accepted online 19 December 2025. <https://doi.org/10.1149/2162-8777/ae2f99>
7. Yatish R. Parauha has published Color tunable emission and I-V characteristics in NaCaPO₄: Tb³⁺/Eu³⁺ phosphor for WLEDs and photovoltaic applications Optical and Quantum Electronics 57, 640 (2025). <https://doi.org/10.1007/s11082-025-08562-w>
8. Yatish R. Parauha, Kevill Shah, Kaushal Agheda, Biswajit Chakrabarty, and S. J. Dhoble, Green synthesis of LaOF and Ln³⁺-doped LaOF nanophosphors using Aegle marmelos leaf extract: optical property evaluation. Spectroscopy Letters 2025. <https://doi.org/10.1080/00387010.2025.2589366>
9. Ashish Kore, Avinash C. Mendhe, Marimuthu Rengasamy, Hareesh Pradeep, Toshali Bhoyar, Kaviya Chandirasekar, Ashish Kore,

Vijayakumar Elayappan, Arpit B. Mendhe, Soumen Mandal, Kamatchi Rajaram, Neha S. Barse, Iftikhar Hussain, Minjae Kim, Satish B. Jadhav, Hyun Sung Noh, Younghoon Kim, Minkyu Sun, Haigun Lee, Recent advances and insights into carbon-based materials synergistically enhancing MXene for supercapacitor, battery, solar cell, and electrocatalytic applications. Coordination Chemistry Reviews 2026. <https://doi.org/10.1016/j.ccr.2025.217400>

10. Harshal Bhoyar and Pankaj D. Belsare has published Recent

Developments in Luminescent Materials for Anti-counterfeiting Technologies. Springer Proceedings in Physics. DOI: 10.1007/978-981-95-2697-0_18

11. K Pushpanjali Patra, Pankaj N Ukey, R. M. Meshram, D.S. Choudhary, Investigation on structural and magnetic correlation in nano ferrite Ni_{0.5}Co_{0.5}(Fe₂-xLax)O₄ (x = 0.0–0.30) inverse spinel, Journal of Magnetism and Magnetic Materials, 634 (2025) 173565. DOI- <https://doi.org/10.1016/j.jmmm.2025.173565>.

Conferences / STTP / FDP / MDP / Workshop / Seminar etc. Attended or Organized by Faculty

1. Dr. Shilpa Kulkarni has completed the 40 hours Faculty development programme on "QT-02 and 40 hours FDP QT-07, Foundation of Quantum Technology and Quantum Sensing" jointly organised by Electronics and ICT Academy, MNIT, Jaipur, from 26 Sep. to 17 Oct. 2025.
2. Dr. Shilpa Kulkarni has completed the 60 hours (3 credits equivalent) Faculty development programme on "QT-03 & QT-04 Basic Quantum Programming and Technologies Lab" jointly organised by Electronics and ICT Academy, MNIT, Jaipur, and AP State Council for Higher Education (APSCHE) form October-27 to November- 29, 2025. This program is funded by Meity and endorsed by DST-NQM/AICTE/UGC.
3. Dr. Renuka Nafdey has completed the 60 hours (3 credits equivalent) Faculty development programme on "QT-03 & QT-04 Basic Quantum Programming and Technologies Lab" jointly organised by Electronics and ICT Academy, MNIT, Jaipur, and AP State Council for Higher Education (APSCHE) form October-27 to November- 29, 2025. This program is funded by Meity and endorsed by DST-NQM/AICTE/UGC.
4. Dr. Yatish R. Parauha has completed the 40 hours Faculty development programme on " QT-02 and QT-07, Foundation of Quantum Technology and Quantum Sensing" jointly organised by Electronics and ICT Academy, MNIT, Jaipur, from 26 Sep. to 17 Oct. 2025.
5. Dr. Neelam Devi has completed the 40 hours Faculty development programme on " QT-02 and QT-07, Foundation of Quantum Technology and Quantum Sensing" jointly organised by Electronics and ICT Academy, MNIT, Jaipur, from 26 Sep. to 17 Oct. 2025.
6. Dr. Neelam Devi has completed a 12 week course "OBE and Accreditation" organized by NPTEL (IIS Bangalore) with Silver Medal.
7. Dr. K Pushpanjali Patra has completed the 60 hours (3 credits equivalent) Faculty development programme on " QT-03 & QT-04, Basic Quantum Programming and Technologies Lab" jointly organised by Electronics and ICT Academy, MNIT, Jaipur, and AP State Council for Higher Education (APSCHE) form October-27 to November-29, 2025.



Department of Chemistry

Departmental Highlights:

Research & Publications

- Dr. Avinash Bharati published a paper titled “Wet Chemically Synthesized Optical Investigation Of Tb3+/Eu3+ Activated/Co-Activated Batio3 Phosphors By Energy Transfer” in International Journal of Environmental Sciences (Vol. 11 No. 25s,2025) with ISSN: 2229-7359 (Scopus indexed).
- Dr. C.P. Pandhurnekar published a paper titled “Sustainable plant mediated synthesis of cobalt oxide nanoparticles using Uraria picta extract with enhanced biological activity” in Scientific Reports (15, Article number: 44017 (2025)) with ISSN: 2229-7359 (Scopus & SCIE indexed) with an Impact factor of 3.9
- Dr. Suraj Butoliya published a paper titled “Sensitive Microspectrophotometric Determination of Dy3+, Ho3+ and Lu3+ with Xylenol Orange in Presence of Cetylpyridinium Bromide as a Cationic Surfactant” in Journal of ISAS (October 2025) with ISSN: 2583-5459.
- Dr. Suraj Butoliya published a paper titled “Psycho-oncology: Bridging mental health and cancer care in modern medicine” in Archives of Psychiatric Nursing 60 (2026) 152024 with ISSN: ISSN: 1532-8228 (SCIE indexed) with an Impact factor of 3.8.
- Dr Suraj Butoliya published a book chapter titled “Water pollution: sources, causes, and effects” in Chapter 2 of the book “Current Advancement in Nanomaterials for Wastewater Remediation: Challenges, Mitigation and strategies” published by Elsevier.

Conference, Events & Seminars Organized

- Department of Chemistry in association with ISAS organised an online webinar on “ Sustainable Liquid Waste Management in Indian Cities: Challenges, Frameworks and Technology” by Dr. Ritesh Vijay, Senior Principal Scientist & In charge (Waste water Vertical) on 29th November 2025 (7:00-8:30PM).

Conferences / STTP / FDP / MDP / Workshop / Seminar etc attended or organized by faculty

- Dr. Sanjogta Meshram successfully completed online FDP (12 weeks) on “Artificial Intelligence in Drug Discovery and Development” organized by NPTEL Securing Silver Elite rank.
- Dr. Sanjogta Meshram successfully completed online FDP (12 weeks) on “Techniques of Materials Characterization” organized by NPTEL Securing Elite rank.
- Dr. C.P. Pandhurnekar successfully completed online FDP (8 weeks) on “ Environmental Nanotechnology and Applications” organized by NPTEL Securing Silver Elite rank.
- Dr. Priti Mangrulkar successfully completed online FDP (8 weeks) on “ Environmental Nanotechnology and Applications” organized by NPTEL earning a Toppers badge.

Faculty Highlights

- Dr. Sanjogta Meshram successfully presented research paper on topic, “Integrated Synthesis, Characterization, and In-Silico Docking Evaluation of Methyl and Ethyl Furoic Acid Esters” at National Conference on Earth, Element and Energy: Interdisciplinary Perspectives NCE3IP-2025 during the 28th and 29th of November 2025 organized by Department of Chemistry, Physics and Geology, Shri Shivaji Science College, Amravati.

Department of Mathematics

Faculty Corner

Publications

1. R.G. Ghumde has published a paper titled ART Rings in Boletim da Sociedade Paranaensa de Mathematica. with ISSN: 0037-8712, DOI: 10.5269/bspm.78362, Issue Oct-25, indexed with SCOPUS
2. M.Kotewar has published a paper titled Predicting Generalized framework for nonsimple thermo-elasto-diffusion in cylindrical media: nonlocality and memory effects in Archive of Applied Mechanics ISSN:1432-0681, DOI: 10.1007/s00419-025-02988-0, Issue Nov-25, indexed with SCIE

STTP / FDP / Other Training Attended by Faculty

1. Prof. A.R.Lalke has attended International workshop from 21/10/25 to 25/10/25 organized by N.I.T Jamshedpur, Jharkhand.
2. Prof. M.S. Patne, Prof. P.A. Saoji.,Dr. R.G. Ghumde, Dr. P. O. Bagde, Dr P.V.Lepse,Dr.A.R.Lalke,Dr.N .N.Nandy,Prof.M.Kotewar,Dr. S. Y. Solanke, Prof. C. Khumbre, Prof.K. Ingole. Prof G. Khobragade, Prof .V. Mahajan have attended Faculty Development Program from 21/12/25 to 25/12/25 organized by NITTTR, Chandigarh.

Department of Physical Education

Faculty

- Prof. Saket Kanetkar has successfully submitted his PhD thesis at Rashtrasant Tukdoji Maharaj Nagpur University (RTMU). The submission marks a significant academic milestone in his professional journey.

Sports

All India University / West Zone Meet :

RCOEM Students Participation :

The Students of RCOEM excelled in the Inter-Collegiate Tournament and were selected in the RTMNU’s Team for the AIU Inter-University West Zone Championship. The Following students of RCOEM represented Nagpur University in the West Zone :

Sr No	Game	Level of Participation	Name	Branch	Year	Date	Venue
1	Volleyball (M)	West Zone	Brijesh Dixit	CIVIL	III	10 – 14 Dec, 2025	LNCT University, Bhopal
2	Basketball (W)	West Zone	Preeti Sathawane	EC	III	23 – 27 Dec, 2025	LNIPE, Gwalior
		West Zone	Sharvari Nene	CSE	III		
		West Zone	Aditi Narsinghkar	ECU	III		
3	Table Tennis (W)	West Zone	Venushree Sharma	CYB SEC	III	16 – 19 Dec, 2025	Veer Narmad South Gujarat University, Surat
		West Zone	Adhishree Shiledhar	AIML	III		

RBU Student Participation

RBU Students Participated for the first time in South West Zone/Inter University & All India Inter University Competitions under the structure of Inter University Sports Board (Association of Indian University- AIU) after Ramdeobaba gets University Status. The details of the students are given in the table below:

Sr No	Game	Level of Participation	Name	Branch	Year	Date	Venue
1	Judo (M)	South West Zone	Harsh Samarth	EC	II	21 – 24 Oct, 2025	SAGE University, Bhopal

RTMNU Inter-Collegiate :

In a remarkable show of sportsmanship, students from RCOEM enthusiastically took part in the RTMNU's Inter-Collegiate Tournament across various events. A detailed information can be found in the table below. This strong representation not only highlights the athletic prowess of RCOEM but also emphasizes the commitment of its students to excel in diverse sporting competitions.



Achievements :

- RCOEM Table Tennis (W) team won First position in RTMNU
- RCOEM Table Tennis (M) team won Second position in RTMNU
- RCOEM Basketball (W) team won Second position in RTMNU
- RCOEM Volleyball (M) team won Third position in RTMNU

Sr No	Game	Date	Venue	Rank
1	Badminton (M)	8 th – 10 th Oct, 2025	Subhedar Hall, RTMNU	Participation
2	Badminton (W)	11 th – 13 th Oct, 2025	Subhedar Hall, RTMNU	Participation
3	Basketball (M)	11 th – 13 th Oct, 2025	Basketball Court, RTMNU	Participation
4	Basketball (W)	8 th – 10 th Oct, 2025	Basketball Court, RTMNU	Second
5	Table Tennis (M)	12 th – 14 th Oct, 2025	Subhedar Hall, RTMNU	Second
6	Table Tennis (W)	10 th – 11 th Oct, 2025	Subhedar Hall, RTMNU	First
7	Volleyball (M)	12 th – 15 th Oct, 2025	DNC	Third
8	Volleyball (W)	9 th – 11 th Oct, 2025	DNC	Participation

3. ASHWAMEDH : ASHWAMEDH 2025–26, the prestigious Inter-University Tournament for universities across Maharashtra, was held from 8th to 11th December 2025 at Swami Ramanand Teerth Marathwada University, Nanded. Several students from RCOEM were selected to represent the RTMNU Team in various sports disciplines. The details of the selected students and the games they participated in are mentioned in the table below.

Sr No	Game	Name of Student	Branch	Year	Position
1	Basketball (M)	Parth Borkute	DS	III	Third Place
2	Basketball (W)	Preeti Sathawne	ECS	III	First Place
		Aditi Narsinghkar	ECU	III	
3	Volleyball (M)	Brijesh Dixit	CIVIL	III	Third Place
4	Chess (M)	Kshitij Mudliar	AIML	III	Third Place
6	Table Tennis (W)	Venushree Sharma	CYB SEC	III	Participation

4. INTER BRANCH SPORTS CUP : The Inter Branch Sports Cup was organized by the Dept. of Physical Education at RBU and Students Sports Club, which took place from 16th – 30th September 2025. The event witnessed active participation from students, making it a memorable and successful event. The students competed fiercely showcasing their talents and skills. The event not only promoted physical fitness and well-being but also emphasized the importance of sportsmanship, teamwork and healthy competition.

Sr No	Game	Date	No of teams	Rank	
				I	II
1	Volleyball (M)	23 Sep – 3 Oct 2025	9	AI CYB	CIVIL
2	Tug of War (M)	15 – 16 Oct 2025	8	MECH	EN BIO
3	Tug of War (W)	28 – 29 Oct 2025	7	MECH	MCA
4	Throwball (W)	13 – 27 Oct 2025	7	EE	MBA

5. INTER-COLLEGIATE INVITATIONAL TOURNAMENT

DNC Krida Mahotsav :

The students of RCOEM actively participated in the DNC’s Krida Mahotsava which was held at Dhanwate National College from 4th to 7th October 2025. Student’s showcased their active involvement and secured prizes across various events. Achievements are as follows:

1. Women’s Volleyball :

- Result: 3rd Place
- Special Recognition: Mahi Tiwari of EE IV year won man of the match.

2. Men’s Basketball :

- Result: 3rd Place

3. Men’s Football :

- Result: 2nd Place
- Special Recognition: Krishna Laddhad of DS IV year won man of the match.

The detailed participation of various events is given in the table below :

Sr. No	Game	Date	Venue	Rank
1	Football (M)	3 – 15 Oct, 2025	DNC College	Second
2	Badminton (M)	4 – 6 Oct, 2025	DNC College	Participation
3	Badminton (W)	4 – 5 Oct, 2025	DNC College	Participation
4	Chess (Mix)	4 – 7 Oct, 2025	DNC College	Participation
5	Basketball (M)	4 – 7 Oct, 2025	DNC College	Third
6	Kabaddi (M)	4 – 5 Oct, 2025	DNC College	Participation
7	Volleyball (M)	4 – 6 Oct, 2025	DNC College	Participation
8	Volleyball (W)	4 – 7 Oct, 2025	DNC College	Third
9	Cricket (M)	18 Oct - 17 Nov, 2025	DNC College	Participation

LIBERAL ARTS

1. Adventure Sports Camp

Ramdeobaba University organized a two-day residential Adventure Sports Camp on 4th and 5th October 2025 at IDEAS Camp, Ghorpad, for 75 first-year students under the Liberal Arts Initiative. Coordinated by Dr. Amit Anurag (HOD), Prof. Saket Kanetkar, and Prof. Vinisha Nitnaware, the camp focused on developing leadership, teamwork, and outdoor skills. The program included ice-breaking sessions, team-building activities, knot-tying, tent pitching, trekking, rafting, river crossing, and obstacle training. Students also experienced overnight camping, gaining confidence and practical exposure to outdoor living. The camp successfully combined adventure with experiential learning, leaving students with valuable life skills.



2. Introduction to Defense Forces and Obstacle Training

The Department of Physical Education at Ramdeobaba University organized a two-day residential camp on 4th and 5th October 2025 at Prahargarh, Umrer Road, Nagpur, for 95 first-year students (79 boys and 16 girls) under the Liberal Arts course Introduction to Defense Forces & Obstacle Training, coordinated by Prof. Shubham Itankar and Dr. Amrita Pande.

During the camp, Flt. Lt. Shiwalee Deshpande delivered a motivational address, inspiring students to pursue careers in the armed forces and highlighting the importance of discipline, dedication, and perseverance. The program concluded with a comprehensive assessment, including both theoretical and practical examinations, to evaluate the students’ learning outcomes.

Her words resonated with the students, motivating them to aim high and stay committed to their goals, particularly those interested in entering the armed forces.

Following the camp, an exam was conducted by both external and internal examiners to assess the students' learning and progress. The exam consisted of both theoretical and practical components, designed to evaluate the skills and knowledge gained during the camp.

3. First Aid & Disaster Management

The Department of Physical Education at Ramdeobaba University organized a one-day camp on 1st November 2025 at IDEAS Camp, Ghorpad, for 55 first-year students (40 boys and 15 girls) under the Liberal Arts course First Aid & Disaster Management, coordinated by Prof. Aayush Jadhav and Prof. Kanchan Gupta.

The camp focused on practical training in emergency response, disaster preparedness, and survival skills. Students participated in hands-on sessions on firefighting, emergency handling, and mock drills, along with activities such as rafting, river crossing, and group exercises, which enhanced their teamwork, leadership, and confidence.





Student Representative Council

Introduction

The Dance Club of Ramdeobaba University proudly participated in Ala Danse 2025, representing the institution under the team name “The D’Vision Crew, Dance Club, Ramdeobaba University.” The event, held on 16th November 2025 at VNIT, brought together talented dancers from various colleges across the city. Under the guidance of the Faculty Incharges, Dr. Devishree Naidu and Dr. Sunita Dhote, the team delivered a remarkable performance that showcased creativity, technique, and strong stage presence. The goal of participating in this competition was to highlight our university’s dance talent on a prominent platform and provide enriching exposure to the club members.

Overview

The competition witnessed participation from several reputed colleges across Nagpur, creating a vibrant and competitive environment. Our Dance Club team performed a high-energy fusion choreography that integrated contemporary, hip-hop, and semi-classical styles. The performance was widely appreciated for its:

- Strong stage presence
- Sharp synchronization
- Creative concept and transitions
- Technical execution and expressive delivery

Due to their exceptional performance, **the team secured 1st Position at Ala Danse 2025**, marking a proud achievement for the institution.

Venue and Performance Details

The event was held at the VNIT Auditorium, known for its professional stage setup and acoustics, providing an ideal environment for dancers to showcase their talent. Our representation was under the following domains :



• Performance Domain :

12 performers participated, presenting a fusion choreography designed by senior club members. The performance highlighted versatility, storytelling, and emotional depth, making a strong impression on both the judges and audience.

• Technical Domain :

The technical team supported with:

- | | |
|--------------------------|-------------------------------|
| • Music editing | • Costume coordination |
| • Visual theme selection | • Stage management assistance |

This ensured a smooth and well-coordinated presentation.

Event Highlights

- The team’s choreography stood out for its innovative theme and seamless transitions.
- Judges praised the group for maintaining high energy and clean formations throughout the performance.
- Competing teams from multiple colleges added to the spirit of healthy competition, enhancing the overall experience.
- The Dance Club’s win brought recognition to our institute and motivated all members to continue striving towards excellence.
- The event fostered teamwork, discipline, and creative collaboration among the performers.

MOOD Indigo

Aashiyani – The Music Club participated in Mood Indigo, the annual international cultural festival of IIT Bombay, held from 15th December 2025 to 18th December 2025 at the IIT Bombay campus. Mood Indigo is one of Asia’s largest college cultural festivals and serves as a prestigious platform for young artists to showcase their talent at a national and international level.

During the event, members of Aashiyani – The Music Club actively participated in multiple music competitions across different categories. The club was represented by two bands, both of which successfully qualified for the Semi-Finals of “Mantra – Battle of Bands”, competing against teams from reputed colleges across the country. This achievement reflects the technical proficiency, coordination, and musical maturity of the participating bands.

In addition to group performances, several club members participated in solo categories and advanced to the Semi-Final rounds. Club Members also represented the club in individual competitions, qualifying up to the semi-finals in Virtuoso – Solo Instrumental Competition and Singing the Indigos – Solo Vocals (Western). Participation was also recorded in MI Idol – Hindi Solo Vocals, further highlighting the club’s versatility across musical genres and formats.

The competitions attended by the club included:

- Mantra – Battle of Bands
- Virtuoso – Solo Instrumental Competition
- Singing the Indigos – Solo Vocals (Western)
- MI Idol – Solo Vocals (Hindi)

Beyond competitive results, the event proved to be an enriching learning experience for all participants. Club members gained valuable exposure to the national-level music circuit, observing high standards of performance, stage presence, sound engineering, and professionalism exhibited by artists from diverse backgrounds. Interacting with participants from different colleges helped members understand current trends in music performance, band arrangement, and audience engagement.

The experience also strengthened teamwork, adaptability, and confidence among the participants, motivating them to refine their skills and set higher benchmarks for future performances. Representing the college on such a reputed platform enhanced the visibility of Aashiyani – The Music Club and contributed positively to the cultural image of the institution.

In conclusion, participation in Mood Indigo 2025 was a significant milestone for Aashiyan – The Music Club. The event not only provided competitive success but also offered meaningful exposure, inspiration, and learning that will contribute to the club’s growth and future achievements.



Nautanki-The Drama Club Mime Time Mood Indigo 2025

The Plot :

The mime performance was set in an ancient, tradition-bound village and portrayed the emotional journey of a young boy affected by poverty, drought, and exploitation. The narrative centered on the tragic death of the boy’s father at the hands of ruthless moneylenders, an incident that deeply shattered the child and altered the course of his life.

Following this loss, the boy’s grief and suppressed anger were symbolically represented through the emergence of a demon-an embodiment of debt, cruelty, and suffering. Throughout the performance, the boy was shown struggling to control this inner darkness by holding on to his father’s teachings of compassion and moral restraint. These moments highlighted the conflict between violence and humanity within him.

The turning point of the mime occurred when the moneylenders returned to the village and brutally assaulted the boy’s mother. Unable to endure further injustice, the boy finally succumbed to his emotions and unleashed the demon within.



Cast :

Apramay Kumar Bharat Diwan Pushkar

Wankhede Rishi Palod

Saee Joshi Sumanyu Bagdi Amogh

Shukla Siya Ambekar

Directors :

Aryan Kothari Siya Ambekar

Mentors :

Nayan Bhutada Rahul Motwani

The Conclusion :

The performance concluded by emphasizing that while raw emotion can lead to destruction, it can also serve as a guiding force toward justice when shaped by righteousness. The team performed this mime at Mood Indigo 2025 under the event Mime Time. The performance successfully qualified for the finals and subsequently secured 4th position, competing against teams from various institutions across the country. This achievement reflected the team’s strong conceptualization, expressive execution, and impactful storytelling.

World Mental Health Awareness Week Report on Mind Groove Fiesta – Canvas and Chords

Objective :

The event aimed to promote mental well-being through recreational and expressive activities as part of the World Mental Health Day Week celebrations. The focus was to encourage relaxation, creativity, and open interaction among students, fostering a positive environment and spreading awareness about the importance of mental health.

Overview of the Event :

The MindGroove Fiesta continued in the evening with a series of engaging activities and performances that brought together over 150 students in the Basketball Court.

The session began at 5:00 PM with an introduction by Ms. Muskaan Yadav and Ms. Khushi Nashine, who warmly addressed the gathering. They briefly introduced themselves and the Counselling Cell, highlighting its objectives and ongoing initiatives for student well-being. The event then proceeded with a variety of interactive and creative segments designed to engage students in light-hearted yet meaningful experiences.

Major Activities :

1. Say it with Emojis :

Participants selected an emoji that best represented their current mood or personality and posed for a picture at the photo booth. This activity encouraged students to express their emotions visually and enjoy a moment of self-reflection in a fun way.

2. Print your Peace :

Students made colorful handprints on chart papers and wrote affirmations or positive quotes, symbolizing peace, positivity, and individuality. This segment was conducted in collaboration with the Art Club, where volunteers also painted small tattoos on students’ hands and faces as per their requests, adding a creative and joyful touch to the event.

3. Stress Buster :

A lively game where participants had to hit a tower of paper cups using sponge balls within three attempts. This fun stress-relieving activity drew laughter and excitement from the crowd, emphasizing the importance of letting go and unwinding.

4. Jamming Session :

The evening concluded with a vibrant jamming session by the Music Club, which kept the energy high and the crowd entertained throughout. The live performances created a relaxing and cheerful atmosphere, perfectly capturing the spirit of the event.

Response and Outcome :

The event received an overwhelmingly positive response from the students. The activities successfully combined creativity, fun, and relaxation, promoting the theme of emotional well-being in an engaging manner. Students actively participated, interacted with peers, and created joyful memories that contributed to their mental rejuvenation.

The event concluded with both Ms. Muskaan Yadav and Ms. Khushi Nashine expressing their gratitude to the enthusiastic crowd for their participation and cheerful presence, marking a heartwarming end to the day’s celebration.

Attendance :

Approximately 150 students actively participated in the evening’s activities.

Conclusion :

The MindGroove Fiesta – Fun Activities Evening served as an excellent



extension of the World Mental Health Day Week celebrations. It successfully combined mental wellness with creativity and entertainment, helping students connect, express, and unwind in a positive environment.

Submitted by :
Counselling Cell & Students' Representative Council (SRC)
Ramdeobaba University, Nagpur

World Mental Health Awareness Week Report on Zumba Session - Rhythm and Recharge

Event Overview :

As part of the ongoing celebration of the World Mental Health Day Week, a Zumba Session was conducted in collaboration with the Dance Club of Ramdeobaba University. The event aimed at promoting both physical and mental well-being among students and faculty through the medium of dance and movement.

Event Flow :

1. Welcome and Introduction :

The session began with a warm welcome to all participants, highlighting the importance of incorporating physical activity into daily life for mental wellness.

2. Zumba Session :

The activity was led by the Dance Club volunteers, who served as instructors. They guided participants through a lively and energizing set of Zumba routines that combined music, movement, and fitness.

3. Purpose and Objective :

The main objective of this session was to encourage participants to focus on their overall well-being by relieving stress, improving mood, and fostering positivity through dance-based exercises.

4. Participation and Response :

The event witnessed an active participation of around 60 students and faculty members. The atmosphere was filled with enthusiasm, laughter, and collective energy, reflecting the success of the initiative.

5. Concluding Address :

The session concluded with an inspiring address by Ms. Khushi Nashine (Psychological Counsellor, RBU). She expressed her gratitude towards the participants for their involvement and reiterated the aim of the Counselling Cell - to promote mental wellness, emotional balance, and holistic development among the university community.

Conclusion :

The Zumba Session was a refreshing and impactful event that effectively embodied the spirit of the World Mental Health Day Week. By merging physical fitness with mental health awareness, the activity successfully highlighted the importance of maintaining a balanced and healthy lifestyle.

Submitted by :
Counselling Cell & Students' Representative Council (SRC)
Ramdeobaba University, Nagpur





Temple Events

Date	Event	Activities
04/10/2025	Bhajan	Bhajan Sandhya by Shri Ramdeobaba Bhakt Kirtan Mandal
06/10/2025	Kojagiri	Celebrated With Distribution of Milk After Maha Arati
07/10/2025	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
11/10/2025	Bhajan	Bhajan Sandhya by Shri Ramdeobaba Bhakt Kirtan Mandal
14/10/2025	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
21/10/2025	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
23/10/2025	Duj	Bhajan Sandhya by Shri Ramdeobaba Bhakt Kirtan Mandal
31/10/2025	Annakoot	Flower Decoration by Artist from Vrindavan and Offered Chappan Bhog
04/11/2025	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
11/11/2025	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
18/11/2025	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
22/11/2025	Duj	Bhajan Sandhya by Shri Ramdeobaba Bhakt Kirtan Mandal and Flower Decoration By Local Artist
25/11/2025	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
02/12/2025	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
04/12/2025	Dutt Jayanti	Flower Decoration By Local Artist
09/12/2025	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
16/12/2025	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
21/12/2025	Duj	Bhajan Sandhya by Shri Ramdeobaba Bhakt Kirtan Mandal and Flower Decoratio By Local Artist
22/12/2025	Jamma	Jamma By Pankaj Upadhyay
23/12/2025	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
28/12/2025	Jamma	Jamma By Om Prakash Joshi from Amravati



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📍 Ramdeobaba University, Nagpur, Ramdeobaba Tekadi, Gittikhadan, Nagpur – 440013

☎ +91 9156288990 🌐 <https://rbunagpur.in/>

Newsletter Team

- Editor and Coordinator -
Dr. Hetal Gaglani
PR & Branding (I/c)
Media Expression

- Compiler -
Ms. Sakshi Raut
Media Executive

