



**RBU takes pride as Padma Shri awardee, Shri Satyanarayan Nuwal, Chairman of SRSS, was conferred with the Nagbhushan Award by Nagbhushan Award Foundation.**



## Prof. Rabibrata Mukherjee Visits Ramdeobaba University



Ramdeobaba University welcomed Prof. Rabibrata Mukherjee, Department of Chemical Engineering, IIT Kharagpur, and National Coordinator of the SPARC (Scheme for Promotion of Academic and Research Collaboration), for an insightful session on international academic and research collaboration.

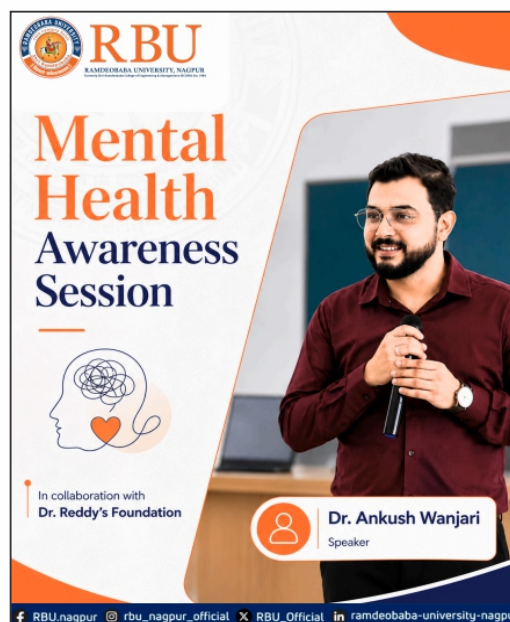
Prof. Mukherjee highlighted the opportunities offered through the SPARC initiative and encouraged faculty members to strengthen global research partnerships. The session provided valuable insights into fostering international collaborations and advancing academic excellence.

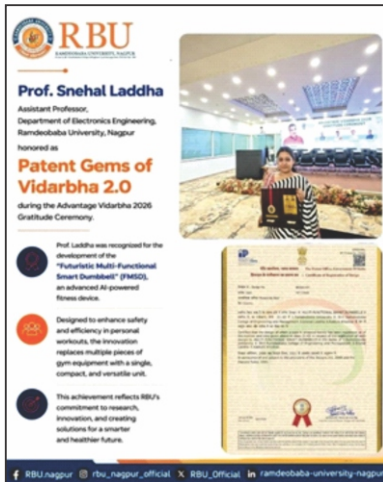
A wellness session on "Mental Health and Wellbeing" was organised in collaboration with the Dr. Reddy Forum for Health Education on 12 May 2026. The session was conducted by Dr. Ankush Wanjari, Neuropsychiatrist, to create awareness and promote understanding of mental health among participants.



Dr. Nafdey has been honoured by Pratibha Shakti, the Vidarbha chapter of Shakti, for her outstanding contributions to research and societal development. Her dedication to scientific innovation and women's empowerment exemplifies academic excellence and social impact.

The Ramdeobaba University community congratulates Dr. Nafdey on this prestigious recognition and wishes her continued success.





Prof. Snehal Laddha, Assistant Professor, Department of Electronics Engineering, Ramdeobaba University, was honoured as one of the "Patent Gems of Vidarbha 2.0" at the Advantage Vidarbha 2026 Gratitude Ceremony for her innovative invention, the Futuristic Multi-Functional Smart Dumbbell (FMSD), an AI-powered fitness solution.

The recognition reflects the University's commitment to fostering research, innovation, and impactful technological development.



## Orange Promptathon 2026 Concludes at RBU

Ramdeobaba University (RBU), Nagpur, successfully hosted Orange Promptathon 2026, India's Next-Gen College AI Summit, in collaboration with Carrier, NASSCOM, and Infocepts. The event brought together over 600 students, with 23 multidisciplinary teams presenting innovative AI-powered solutions to real-world industry challenges.

The summit was graced by Dr. Shankar Subbanarasayya Mantha, Founding Chancellor & President of RBU, Kamal Sharma, Global Connected Hubs Leader, Carrier, and Group Captain Kushal Vyas, HQ NCC Nagpur, who encouraged students to harness the power of AI for innovation and nation-building. The event concluded with the felicitation of the winning teams, celebrating excellence in Generative AI and prompt engineering.

## CDPC 2027 Batch - Placement Highlights

| TCS - Priority Institute | Result: 2027 Batch, Phase 1 |
|--------------------------|-----------------------------|
| Total Selections         | 264                         |
| 9 students placed        | 9 LPA                       |
| 44 students placed       | 7 LPA                       |
| 211 students placed      | 3.4 LPA                     |

| Infosys - HackwithInfy | Result: 2027 Batch, Phase 1 |
|------------------------|-----------------------------|
| Total Selections       | 51                          |
| 5 students placed      | 11 LPA                      |
| 46 students placed     | 7 LPA                       |

### LIST OF PLACED STUDENTS - UG (2027 BATCH, TILL 04/07/2026)

| Sr. No. | Full Name                        | Degree | Branch   | Company         | Stipend    | CTC (LPA) |
|---------|----------------------------------|--------|----------|-----------------|------------|-----------|
| 1       | Krishna Anandprakash Vijaywargia | B.Tech | CSE- DS  | Porter          | 80k p/m    | 17        |
| 2       | Anas Mehboob Khan                | B.Tech | CSE      | Porter          | 80k p/m    | 17        |
| 3       | Harshit Sahu                     | B.Tech | CSE      | Porter          | 80k p/m    | 17        |
| 4       | Ritesh Anil Kriplani             | B.Tech | CSE- DS  | Josh Technology | 22,500 p/m | 17        |
| 5       | Anurag Singh                     | B.Tech | CSE      | Josh Technology | 22,500 p/m | 17        |
| 6       | Snehanand                        | B.Tech | ECS      | Philips         | 45k p/m    | 14        |
| 7       | Aditya Ralhan                    | B.Tech | CSE      | Forma.ai        | 40k p/m    | 15        |
| 8       | Somesh Dharmendra Chaurasia      | B.Tech | CSE      | Forma.ai        | 40k p/m    | 15        |
| 9       | Harish Kumar                     | B.Tech | ENCS     | NVIDIA          | 40k p/m    | 14        |
| 10      | Dhairya Khemraj Wegad            | B.Tech | ECE      | Temple          | 40k p/m    | -         |
| 11      | Ramharsh Sanjay Dandekar         | B.Tech | CSE-AIML | COGITATE        | 35,666 p/m | 8         |
| 12      | Nishtha Alok Nahar               | B.Tech | ECE      | Schneider       | 35k p/m    | 12        |



| Sr. No. | Full Name                     | Degree | Branch           | Company               | Stipend | CTC (LPA) |
|---------|-------------------------------|--------|------------------|-----------------------|---------|-----------|
| 13      | Priyanshi Bhagwanta Dongre    | B.Tech | ECE              | Schneider             | 35k p/m | 12        |
| 14      | Abha Dilip Pande              | B.Tech | EE               | Schneider             | 35k p/m | 12        |
| 15      | Manalee Manish Bhadang        | B.Tech | EE               | Schneider             | 35k p/m | 12        |
| 16      | Nishika Umesh Manglani        | B.Tech | EE               | Schneider             | 35k p/m | 12        |
| 17      | Sanskar Sanjay Krishnani      | B.Tech | CSE-AIML         | Ideas (A SAS Company) | 30k p/m | -         |
| 18      | Aditya Chandrashekhar Giri    | B.Tech | CSE              | PTC                   | 22k p/m | 10        |
| 19      | Aryan Rajesh Paradkar         | B.Tech | CSE              | PTC                   | 22k p/m | 10        |
| 20      | Parth Sanjay Kharwade         | B.Tech | CSE              | PTC                   | 22k p/m | 10        |
| 21      | Pranit Prashant Rathkanthiwar | B.Tech | CSE              | PTC                   | 22k p/m | 10        |
| 22      | Purva Sunil Khandelwal        | B.Tech | CSE              | PTC                   | 22k p/m | 10        |
| 23      | Tushar Chandrabhan Dhakate    | B.Tech | CSE              | PTC                   | 22k p/m | 10        |
| 24      | Urvi Umesh Agrawal            | B.Tech | CSE - Cyber Sec. | PTC                   | 22k p/m | 10        |
| 25      | Ismail Jibrail Sheikh         | B.Tech | CSE-AIML         | PTC                   | 22k p/m | 10        |
| 26      | Mrudul Gaurav Chaudhari       | B.Tech | CSE-AIML         | PTC                   | 22k p/m | 10        |
| 27      | Shreyansh Bharat Bhagwat      | B.Tech | CSE-AIML         | PTC                   | 22k p/m | 10        |
| 28      | Siddhi Mangatram Dara         | B.Tech | CSE-AIML         | PTC                   | 22k p/m | 10        |
| 29      | Shubham Prataprao Solanke     | B.Tech | IT               | PTC                   | 22k p/m | 10        |
| 30      | Anurag Shrikant Deshmukh      | B.Tech | ECE              | Eaton                 | 21k p/m | 9         |
| 31      | Samiya Abdul Sabir Shaikh     | B.Tech | ECE              | Eaton                 | 21k p/m | 9         |
| 32      | Tanisha Tushar Deshpande      | B.Tech | ECE              | Eaton                 | 21k p/m | 9         |
| 33      | Aditya Chandrakant Jaiswal    | B.Tech | IT               | Fibe                  | 20k p/m | 12        |

## LIST OF PLACED STUDENTS - PG (2027 BATCH, TILL 04/07/2026)

| Sr. No. | Full Name            | Degree | Branch | Company             | Stipend | CTC (LPA) |
|---------|----------------------|--------|--------|---------------------|---------|-----------|
| 1       | Mr. Hitesh Nandurkar | M.Tech | EVT    | Kirloskar Pneumatic | 20k p/m | -         |

## RBU-TATA-CIIIT (Centre for Invention Innovation Incubation & Training)

### [A] Training Programs :

1] A one-month internship program on the Internet of Things (IoT) was conducted by RBU-TATA-CIIIT for students of the Department of Mechanical Engineering at Shri Ramdeobaba College of Engineering and Management, Nagpur, from February to March 2026. The sessions were held daily. A total of 17 students participated in the internship, which was conducted by Dr. S.S. Balpande, Dr. S. Anjankar, and Mr. Umendra Mukurne, Technical Assistant.

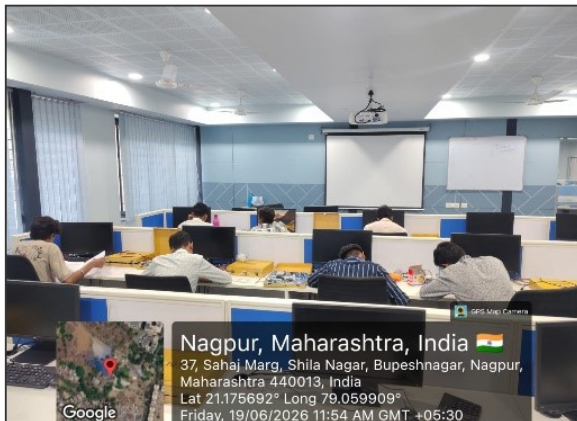
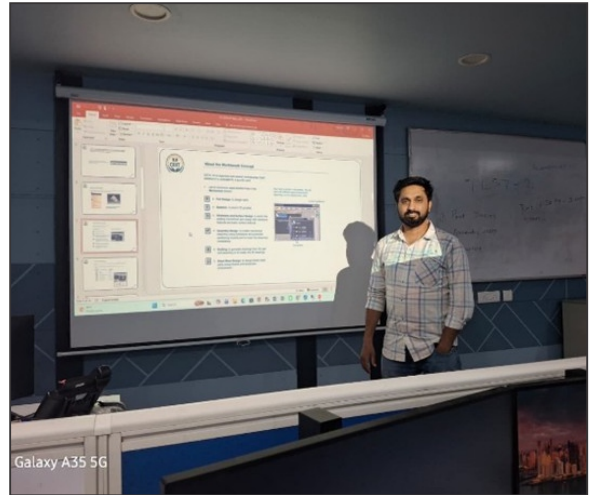


The certificate distribution ceremony was held on 15 April 2026 in the presence of Dr. B. K. Patle, Head of the Department of Mechanical Engineering; Dr. S. S. Balpande, Head and Course Coordinator of AIML; and Dr. Y. M. Sonkhaskar, Professor and In-charge of CIIIT. During the ceremony, Aryan Chavan and Ayush Lokhande shared their feedback on the IoT course. Subsequently, Dr. B. K. Patle addressed the students and highlighted the importance of IoT in modern engineering applications.



2] A one-month internship program on “Solid Modelling using DELMIA V5” was conducted by RBU-TATA-CIIIT for students of the Department of Mechanical Engineering at Shri Ramdeobaba College of Engineering and Management, Nagpur, commencing on 15 May 2026. The sessions were held daily from 11:00 a.m. to 4:00 p.m. A total of 10 students participated in the internship program, which was conducted by Dr. Alok Jha and Mr. Shrikant Wankhede.

3] A one-month internship program on “Solid Modelling using DELMIA V5” has been conducted by RBU-TATA-CIIT for students of the Department of Mechanical Engineering at Shri Ramdeobaba College of Engineering and Management, Nagpur, and for one student of D. Y. Patil, CoE Pune, commencing on 1 June 2026. The internship is currently ongoing, with sessions held daily from 9:00 a.m. to 1:00 p.m. A total of nine students are participating in the internship program, which is being conducted by Dr. Alok Jha and Mr. Shrikant Wankhede.



4] A one-month internship program on “Internet of Things (IoT)” has been conducted by RBU-TATA-CIIT for students of Government Polytechnic, Nagpur, and Kavikulguru Institute of Technology and Science, Ramtek, commencing on 1 June 2026. The internship is currently ongoing, with sessions held daily from 11:00 a.m. to 2:00 p.m. A total of seven students are participating in the internship program, which is being conducted by Mr. Umendra Mukurne.

## [B] Consultancy & Project :

- Mr. Avinash Deshpande, General Manager (Plant Head) of Sandeep Metal Craft Pvt. Ltd., MIDC Industrial Area, Nagpur, utilized the 3D printing facilities at CIIT to manufacture components for defence-related applications on 29 April 2026 and 8-9 June 2026.
- Dr. Raghav Munje from the Department of Prosthodontics, Sharad Pawar Dental College and Hospital, Wardha, proposed the design and development of a 3D-printed angle guidance device for dental implant applications. The project is being undertaken in collaboration with and under the guidance of Dr. Abhijeet Raut from the Department of Mechanical Engineering, Ramdeobaba University, Nagpur, as of 24 April 2026
- Ms. Shubhi Kumari and her team utilized the facilities available at CIIT, including 3D printing equipment and design software tools, to fabricate components for their project under the guidance of Mr. A. Gudadhe on 8 April 2026.
- Ms. Anshuli Bhiwapurkar and her team fabricated 3D-printed components for their project titled “Design and Development of a Water-Efficient Automated Cow-Washing End-Effector for Hygiene and Infection Prevention” using CIIT's 3D design software and printing facilities under the guidance of Dr. Arun Kose on 15 April 2026.





- Ms. Rajlaxmi Suryanishi and her team fabricated 3D-printed components for the mini project titled “Assessment of Biodegradability of 3D-Printed PLA with Varying Infill Patterns and Densities” using 3D design software and printing facilities under the guidance of Dr. Abhijeet Raut on 23 April 2026.
- Mr. Aditya Kothiwale and his team fabricated 3D-printed components for the mini project titled “Industry-Linked Mini Project (Working Model) – 6th Semester Project” using 3D design software and printing facilities under the guidance of Dr. Vishal Shukla on 24 April 2026.
- Mr. Dhanesh Raut and his team developed CAD models and fabricated 3D-printed components for the RGSTC project under the title “CAD Model Preparation”, utilizing 3D design software and printing facilities under the guidance of Dr. Abhijeet Raut on 13 May 2026.
- Mr. Ashwin Khobragade and his team developed CAD models and fabricated 3D-printed components for the Unstop Varroc Eureka Challenge 3.0 project under the title “CAD Model Preparation and Printed Parts” using 3D design software and printing facilities under the guidance of Dr. Y. M. Sonkhaskar on 13 June 2026.
- Mr. Abhay Santoshwar, CEO of Volantis Healthcare Solution, Nagpur, utilized 3D design software and printing facilities to fabricate components for the project titled “Assisting Doctors and Engineers in Understanding the Physiology of the Lungs and Their Functioning” under the guidance of Dr. Abhijeet Raut on 27 May 2026.

## [C] Lab Utilization :

- Mr. Karan Belekar from the Department of Electrical Engineering utilized the laser cutting and engraving machine for the project titled “Design and Development of a Luminescent Solar Concentrator-Based Transparent Energy Harvesting System for Low-Light Applications” on 09/04/2026, 20/04/26 and on 11/05/26 under the guidance of Dr. V. A. Huchche.



- Mr. Shashwat Patil and his team from RAI utilized the laser cutting and engraving machine for the project titled “Precise Cutting of A3-Sized MDF Sheets” on 15/04/2026 under the guidance of Dr. Y. M. Sonkhaskar.
- Mr. Dhanesh Raut and Ms. Vidhi Gahlod from the Department of Biomedical Engineering utilized the laser cutting and engraving machine for the project under the RGSTC Scheme on 26/05/2026 under the guidance of Dr. Abhijeet Raut.
- Ms. Bhumisha Udasi and her team from the Department of Mechanical Engineering (M&AE and M&SM) utilized the Design Lab for the project titled “SIMBA – Simulation-Driven Innovative Mechanism for Bio-Inspired Actuation” to access and use ADAMS software during multiple sessions, beginning on 07/04/2026, under the guidance of Dr. Himanshu Singh and Dr. Y.M. Sonkhaskar.
- Mr. Nelson Majumdar and his team from the Department of Mechanical Engineering utilized and accessed 3D scanning facilities on 10/04/2026 under the guidance of Dr. Y. M. Sonkhaskar



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



*J D College of Engineering  
& Management, Nagpur*



*VSPM's College of Physiotherapy*





*PWD Team Nagpur, Visited at CIIT*



*Shri Ashish Range, Head, Wipro Pari, Pune*



*MIA Nagpur Team Visited at CIIT*



*Dr. Rabibrata Mukherjee. Prof. Chemical Engg. IIT Kharagpur Visited at CIIT*



*Ms. Ashlesha Chitnavis, Head of Centre Point International School & Team Visited at CIIT*

## Students' Representative Council (SRC)

### RBU Hosts "Code Your Mind" to Promote Mental Health Awareness



The Counselling Cell, in collaboration with Engineering India – RBU, organised "Code Your Mind", a unique initiative that blended mental health awareness with the concepts of coding and decoding human emotions.

The event featured engaging discussions and interactive sessions, encouraging students to explore the connection between technology and psychology while fostering emotional well-being.

The programme was graced by Dr. Suraj Butoliya, Khushi Nashine, Muskaan Yadav, and the guest speaker Shri Akash Sewatkar, Assistant Professor, Department of Psychology, RTM Nagpur University. Their insights inspired participants to prioritise mental health and personal growth.

The event concluded with meaningful learning, awareness, and a stronger understanding of the importance of mental well-being in today's digital world.



## Computer Science and Engineering

### Department : Computer Science and Engineering

#### Research & Publications

- Pravinkumar Sonsare, Khushboo Khurana, Preeti Voditel, et al. published a paper titled, "Introducing TH-SE-ResNet for Enhanced Performance for Gender Detection Using Thermal Images," New Generation Computing, Vol. 44, Article 18, April 2026. <https://doi.org/10.1007/s00354-026-00322-y>, (SCI).
- Mohit Katre, Krishna Malani, Sharvari Deshmukh, Samiha Khan, and Preeti Voditel published a paper titled, "Subpixel Impervious Surface Representation for Explaining SUHI Ambiguity in Heterogeneous Urban Environments," in the Proceedings of the 2026 International Conference on Innovations in Communication, Geoscience and
- Robotics, organized by the EXTC Department, SSGMCE, Shegaon, Maharashtra, India, 2026, (Scopus).

#### Patent

- Dr. Sharvari Deshmukh, Samiha Khan, and Ashwini Agashe were granted a Design Patent titled, "ASTHMA MONITORING WRISTBAND WITH INTEGRATED ANTENNA," Design No. 486597-001.
- Dr. Sharvari Deshmukh and Dr. Devishree Naidu were granted a Design Patent titled, "Miners Helmet," Design No. 486596-001.
- Dr. Sharvari Deshmukh, Rohit Gurharikar, Komal Borkar, and Ronit Chavan were granted a Design Patent titled, "Noise Pollution Monitoring Device," Design No. 490954-001.

#### Workshop

- Prof. Vishwas Bhagwat, Prof. Sagar Tete, Dr. Sharvari Deshmukh and Dr. Chithraja Rajan attended "National Workshop on "Power GIS for Management of Electrical Transmission Infrastructure", organized by IN-SPACE and the National Remote Sensing Centre (NRSC), ISRO, at RRSC-Central, Nagpur on 24th June 2026 as a part of team nominated by Department of CSE, RBU, Nagpur



- Prof. Aparna Gurjar has completed the NPTEL-AICTE faculty development programme of 12 weeks on Neural Networks for Computer Vision and Natural Language Processing.
- Dr. Praful Ramesh Rao Pardhi was invited to serve as a Session Chair at International Conference on Artificial Intelligence for Climate Resilience, Green Innovation, and Sustainable Development (AI4GreenWorld 2026), organized by Jhulelal Institute of Technology, Nagpur, Maharashtra, India, and technically sponsored by MG Aricent Educational Foundation, Nashik, India, to be held on April 3-4, 2026.
- Dr. Praful Ramesh Rao Pardhi was invited to serve as a Session Chair for Computer Science and Engineering (Track-4) scheduled on 06 th March 2026 under ICASTM-2026 at SB Jain Institute of Technology, Management and Research, Nagpur. The conference is being organized in association with ISHRAE Nagpur Chapter, CSIR-NEERI, IEEE Bombay Section, ISTE, IETE, and The Institution of Engineers (India).



## Faculty Highlights

Prof. Aparna Gurjar has completed the NPTEL Online Certification with 99% score earning a gold certificate and is topper in the course Neural Networks for Computer Vision and Natural Language Processing.

## Departmental Activities

### Orange Promptathon 2026 :



Orange Promptathon, organized by Ramdeobaba University in partnership with Carrier, NASSCOM, and Infocepts, brought together students, faculty, industry leaders, and AI experts to explore the transformative potential of Generative AI. The Grand Finale, held at RBU on 15 May, featured over 130 students across 23 multidisciplinary teams presenting innovative AI solutions in areas such as energy optimization, predictive HVAC maintenance, supply chain, and digital

transformation. The event concluded with the recognition of one winning team and two runner-up teams, celebrating innovation, collaboration, and the next generation of AI talent.

## Department : Data Science Research & Publications

- Dr. Purshottam J. Assudani published a paper titled, “Biosensing Technologies for Foodborne Pathogen Detection and Healthcare: Principles, Emerging Materials, and Intelligent Platforms,” *Microchimica Acta*, Vol. 193, Article 231, pp. 1–43, March 2026, (SCI, Scopus).
- Dr. Purshottam J. Assudani published a paper titled, “A Unified Residual Group Channel and Space Attention Model-Level Graph Neural-Based Framework for Fault-Tolerant and Energy-Efficient IoT-WSNs,” *Computers and Electrical Engineering*, Vol. 134, Article 111140, June 2026, (SCI, Scopus).
- Dr. Purshottam J. Assudani published a paper titled, “A Unified Residual Group Channel and Space Attention Model-Level Graph Neural-Based Framework for Fault-Tolerant and Energy-Efficient IoT-WSNs,” *Computers & Electrical Engineering*, Vol. 134, Article 111140, June 2026, (SCI, Scopus).
- Dr. Purshottam J. Assudani published a paper titled, “Substrate-Driven Optimization of Microfluidic Aluminum–Air Fuel Cells: A Comparative Study of Glass Fiber vs. Cellulose Paper,” *Scientific Reports*, Vol. 16, Article 19784, May 2026, (SCI, Scopus).
- Dr. Purshottam J. Assudani published a paper titled, “Smartphone-Assisted Chemiluminescence System to Detect Fe in Drinking Water Samples,” *Luminescence*, Vol. 41, Issue 6, Article e70529, June 2026, (SCI, Scopus).
- Prof. Rasika Rewatkar published a paper titled, “Evaluation of Mucoadhesive Polymers for Nasal Delivery of Herbal Bioactives,” *Journal of Polymer & Composites*, Vol. 14, Special Issue 01, pp. 1680–1689, April 2026, (Scopus). ([journals.stmjournals.com](http://journals.stmjournals.com)).
- Prof. Rajeshwari Suryawanshi published a paper titled, “Machine Learning Optimization for Large-Scale Engineering Networks and Intelligent Automation,” *Advanced Engineering Sciences*, Vol. 58, Issue 2, pp. 41–52, April 2026, (Scopus).
- Prof. Neha Tirpude presented a paper titled, “Tradix AI: Real-Time Stock Analysis and Prediction using Hybrid LSTM and Generative AI,” at the 2026 IEEE International Conference for Convergence in Computing Technology (I3CTCON), organized by Siddhant Group of Institutions, Pune, India, held from 14–15 March 2026. The conference proceedings are indexed in IEEE Xplore and Scopus.
- Prof. Sonam Chopade presented a paper titled, “Baseline Mobility-Aware Fog Offloading Without Load Balancing,” at the International Conference on NextGen Data Science and



Analytics (ICNDSA 2026), organized by Christ University, Ghaziabad, held from 10–11 April 2026. The conference proceedings are indexed in IEEE Xplore and Scopus.

- Prof. Rajeshwari Suryawanshi presented a paper titled, “An Iterative Systematic Review of Secure Data Aggregation Techniques Using Blockchain, Federated Learning, and Homomorphic Encryption-Based Approaches,” at the 3rd International Conference on Advances in Engineering and Medical Sciences 2026, organized by the International School of Technology and Sciences, India, held from 17–18 April 2026. The conference proceedings are indexed in Scopus.
- Prof. Tejaswini Akulwar presented a paper titled, “Multimodal Deepfake Detection: A Systematic Review of Methods, Limitations, and Future Directions,” at the 3rd International Conference on Advances in Engineering and Medical Sciences 2026, organized by the International School of Technology and Sciences, India, held from 17–18 April 2026. The conference proceedings are indexed in Scopus.
- Prof. Deepali Khatwar presented a paper titled, “Enhanced Adaptive Multi-Agent Architecture for Language Translation for Large Language Models,” at the 3rd International Conference on Advances in Engineering and Medical Sciences 2026, organized by the International School of Technology and Sciences, India, held from 17–18 April 2026. The conference proceedings are indexed in Scopus.
- Prof. Rishiram Maskare presented a paper titled, “A Hybrid SMOTE–Ensemble Learning Framework for Early Parkinson’s Disease Detection using Biomedical Voice Signals,” at the IEEE International Conference on Smart Futuristic Technology (ICSFT 2026), organized by Ghousia College of Engineering, Bengaluru, Karnataka, India, held from 2–3 January 2026 in hybrid mode. The conference proceedings are indexed in IEEE Xplore and Scopus.

## Patents

- Dr. Chetana Thaokar, Dr. Shweta Bondre, and team were granted a patent titled, “Solar-Integrated Fitness Monitoring Wristband,” in March 2026.
- Prof. Neha Tirpude, Dr. Charanjeet Dadiyala (Dept. of AICS), and team were granted a patent titled, “A System for Fruit Detection and Counting on a Tree,” in April 2026.
- Prof. Tejaswini Akulwar and Prof. Reetu Gupta were granted a patent titled, “Multifunctional Nail Cutter,” in April 2026.

## STTP / FDP / Other Training Attended by Faculty

- Dr. Uma Yadav completed a Faculty Development Program (FDP) on “AI for Electric Vehicles and Energy Storage Systems” organized by Dr. D. Y. Patil Institute of Engineering and Management Research, Akurdi, Pune, held from 7th to 11th April 2026 in Online mode.
- Prof. T. R. Harinkhede completed a Faculty Development Program (FDP) on “Transforming Education through AI, Automation, Cybersecurity, Robotics & Smart Manufacturing” organized by KDK College of Engineering, Nagpur, held from 13th to 19th May 2026 in Online mode.
- Prof. Rasika Rewatkar attended a Faculty Development Program (FDP) on “Foundations of Quantum Technologies” organized by Ramdeobaba University, held on 16th, 17th and 18th March 2026 in Online mode.
- Prof. Reetu Gupta completed a Faculty Development Program (FDP) on “Deep Learning to Generative AI: Building Intelligent Text and Image Models” organized by Vishwakarma Institute of Technology (VIT), Pune, held from 23rd February to 5th March 2026 in Online mode.

## Students Corner

### Placements

- 51/72 students from the Information Technology Branch got offers from various companies viz. JP Morgan, Principal Global, PTC, Siemens, ZS Associates, Nutanix, C&R Software, IBM, EPAM, HCL Tech, LTIMindtree
- 40/72 students from the Information Technology Branch completed internship in various companies viz. JP Morgan, Principal Global, PTC, Siemens, ZS Associates, Nutanix, Cognizant, Capgemini, C&R Software, EPAM
- 96/133 students from Data Science got offers from various companies viz. Principal Global, Siemens, ZS Associates, C&R Software, IBM, EPAM, HCL Tech, LTIMindtree, Pubmatic, Deloitte, Averix Solutions, Infosys.
- 84/133 students from Data Science completed internship from various companies viz. Principal Global, Siemens, ZS Associates, C&R Software, IBM, EPAM, HCL Tech, LTIMindtree, Pubmatic, Deloitte, Averix Solutions, Infosys.

## Students' Achievements

### MVPM HACKATHON 2026



In a proud achievement that celebrates innovation and excellence that leads and reflects young talent, bold ideas, and real-world problem-solving, Department of Data Science, RBU proudly congratulates Aniruddha Lahoti, 3rd year Data Science student and his team, for securing 1st place at MVPM Hackathon 2026 and winning ₹1,00,000 among highly competitive finalist teams.

### LOOPS HOUSE SHANGHAI DEMO DAY HACKATHON, CHINA

3rd year Data Science students as “Team Safeguard”, earned international recognition by securing the Runner-up Position in the Filecoin Track and the Best ElevenLabs Integration Award for their AI-powered platform, Safeguard for their outstanding achievement at the Loops House Shanghai Demo Day Hackathon, China.



### GRATITUDE CEREMONY OF ADVANTAGE VIDARBHA 3.0



The students' team under the guidance of Prof. Rasika Rewatkar of Ramdeobaba University Nagpur proudly participated in the Advantage Vidarbha 2026 – Gratitude Ceremony, organized by the Association for Industrial Development (AID) at Grand Airport Banquet, Nagpur, on 28 June 2026.





The prestigious event was graced by Hon'ble Shri Nitin Gadkari, Union Minister for Road Transport & Highways, Government of India, along with distinguished dignitaries from the Government of Maharashtra and industry leaders. The ceremony celebrated innovation, entrepreneurship, and the remarkable contributions of students, start-ups, educational institutions, and mentors towards the development of the Vidarbha region.

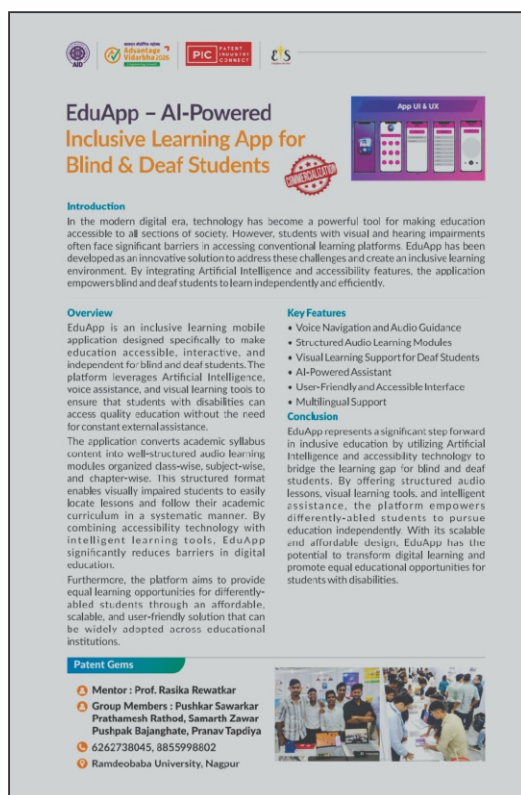
Our college's innovative student team was honoured with a token of appreciation for their outstanding contribution to technology-driven innovation. The recognition highlights the team's dedication, creativity, and commitment to developing impactful solutions in the fields of Artificial Intelligence (AI), Internet of Things (IoT), Smart Healthcare, and Emerging Technologies.



## PATENTED INNOVATION : "EDUAPP"



The student's team patented innovation, "EduApp - AI-Powered Inclusive Learning App for Blind & Deaf Students" has been recognized for Commercialization at Advantage Vidarbha 2026 - Patent Industry Connect (PIC).



"Overview of EduApp : AI-Powered Inclusive Learning App for Blind & Deaf Students"

## Department : Artificial Intelligence and Cyber Security Research & Publications

**Authors :** Dr. Yogesh Thakare et al. Paper title: "Traffic Sign Recognition and Real-Time Audio Feedback System Using Neural Networks." Published in Journal: Journal of Integrated Science and Technology, Vol. 14, Issue 6, 2026, p. 1590. This is suitable for listing under "Publications in High-Impact Journals" in a report or newsletter.

### Patents

Thakre, Y., Jha, M., & Hargunani, H. (2026). An automatic temperature regulation system for cold storage (Indian Patent Application No. 202321030555). Patent granted June 12, 2026.

### Utility Patents Published

- Balpande, S., Balpande, V., & Madankar, K. (2026). A device for assisting a user having colour vision deficiency (Indian Patent Application No. 202621047479). Published June 5, 2026.
- Balpande, S., Kulkarni, V., Mokashi, S., & Paunikar, A. (2026). A system for automatic drug vending (Indian Patent Application No. 202621059699). Published May 11, 2026.

- Balpande, S., Radha, K., Tejas, T., Utkarsh, J., & Anurag, T. (2026). System for distributed automotive compliance and visual exhaust-emission detection (Indian Patent Application No. 202621065850). Published May 25, 2026.
- Rewatkar, R., Karandikar, A., Balpande, S., & Vyas, D. (2026). A helmet system for safety and navigation assistance for visually impaired users (Indian Patent Application No. 202621048249). Published June 12, 2026.
- Rewatkar, R., Karandikar, A., & Balpande, S. (2026). A system for providing adaptive multi-sensory assistance and emergency communication (Indian Patent Application No. 202621024860). Published April 24, 2026.
- Rewatkar, R., Karandikar, A., & Balpande, S. (2026). A system for monitoring animals and preventing road accidents (Indian Patent Application No. 202621027412). Published May 1, 2026.

## Design Patent Filed

Balpande, S., Fulwani, S., Kshirsagar, C., Futane, N., & Jain, P. (2026). Portable imaging device for colorimetric analysis (Indian Design Application No. 504467-001). Filed June 4, 2026.

## Conference, Events & Seminars Organised

- Rangnath Girhe and Dr. Suresh Balpande, Comprehensive Study on Material Selection for Optimized Lateral Sliding-Mode Triboelectric Nanogenerators, 2026 International Conference on Innovations in Communication, Geoscience and Robotics, SSGMCE, Shegaon (24–25 April 2026):
- Dr. Suresh Balpande, Shubham Anjankar, and Vaishnav Balpande, Integrating Agentic AI and IoT for Irrigation Optimization and Farm Automation, 2026 International Conference on Innovations in Communication, Geoscience and Robotics, SSGMCE, Shegaon (24–25 April 2026):
- Dr. Suresh Balpande, Varada Kulkarni, Anjal Paunekar, and Sahas Mokashi, AushadhaPradata: IoT-Enabled Automated Over-the-Counter Medication Dispensing System, 2026 International Conference on Innovations in Communication, Geoscience and Robotics, SSGMCE, Shegaon (24–25 April 2026):
- Dr. Yogesh Thakare and Sanket Suryawanshi “Pre-Arrival Detection with Fine-Tuned YOLOv8 for Minimizing Elevator Inefficiency” 6th International Conference on Innovations in Computational Intelligence and Computer Vision (ICICV-2026) at Binus University, Aula



Binus Anggrek, Jakarta, Indonesia and Manipal University Jaipur, Rajasthan, India, on 29th June 2026.

- Dr. Yogesh Thakare, Prateek Mishra, Pranay Dharamsare, Aayush Pandey, Archeta Sugandh “An Intelligent Framework for Real-Time Code Collaboration: Unified Collaborative Editor” International Conference on Innovations in Communication, Geoscience and Robotics organized by the EXTC Department, SSGMCE Shegaon, Maharashtra, India from April 24–25, 2026
- Dr. Yogesh Thakare, Sarah Kulsum, Jagriti Sharma , Harshita Agrawal, Akhilesh Bonde “An Empathetic AI Framework for Real-Time Mental Health Support Through Adaptive Language Models and Persistent Memory” International Conference on NextGen Data Science and Analytics (ICNDSA-2026)’, which will be organized by Department of Computer Science CHRIST (Deemed to be University) Delhi NCR, India from April 10–11, 2026.

## Faculty Highlights

Promotions, awards, Ph. D. awarded or honors



Dr. Chithraja Rajan received Young Researcher Award 2026 from Aad Grow Foundation on the occasion of National Science Day Research Awards 2026.

**SIC/SCIE Indexed Journal and Ph.D. Thesis Reviewer**

During the academic year 2025–26, Dr. Suresh Balpande served as a reviewer for the following SCIE-indexed journals :

- Reviewed the manuscript "On the Role of Geometry Scaling in MEMS Vibration Energy Harvesters: A Williams–Yates Model-Based Study" for the International Journal of Engineering Research Express published by IOP Publishing (April 2026).
- Reviewed the manuscript "Capillary Flow-Driven Paper-Based Microfluidic Sensor for NDMA Detection in Water" for Lab on a Chip published by the Royal Society of Chemistry (RSC) (April 2026).
- Reviewed the manuscript "The Evolution of Pencil-Drawn Electronics: Materials, Devices, and Educational Applications" for Critical Reviews in Solid State and Materials Sciences published by Taylor & Francis (June 2026).
- Reviewed the manuscript "Smartphone-Based Colorimetric Analysis of pH Strips Using Machine Learning" for Analytical Methods published by the Royal Society of Chemistry (RSC) (June 2026).
- Ph.D. Thesis Reviewer Dr. Suresh Balpande served as an external reviewer for the Ph.D. thesis titled "Non-invasive Qualitative and Quantitative Analysis of Dragon Fruit Using NIR Spectroscopy with Grading and Sorting" submitted to Savitribai Phule Pune University (May 2026).
- Dr. Chithraja Rajan was an invited speaker for Emerging Trends in Intelligent Embedded Systems: AI, IoT & Cybersecurity organized by Department of Mechatronics, Sanjivani College of Engineering, Kopergaon, Maharashtra and India & ECLearnix EDtech Private Limited, Coimbatore, Tamil Nadu, India

**Conference Roles and Academic Contributions**

At the 2026 International Conference on Innovations in Communication, Geoscience and Robotics, organized by SSGMCE, Shegaon (24–25 April 2026), Dr. Suresh Balpande contributed to multiple capacities



(Dr. Suresh S. Balpande)

2026 International Conference on Innovations in Communication, Geoscience and Robotics, organized by SSGMCE, Shegaon (24–25 April 2026)

## Department : Computer Science and Applications

### Research & Publications

- Dr. Satyajeet Uparkar presented a research paper titled “Hallucination Detection in LLM Responses for Hindi Question Answering Using Consistency-Based and Semantic Research Similarity Approaches” at SAMIDHA 2026, an International Research Conference organized by Tirpude Institute of Management Education, Nagpur, held on 13–14 May 2026.
- Prof. Manda Ukey published an IEEE conference paper titled “Digital Transformation in Healthcare: Integrating Clinical Research with Management Technologies” in the IEEE International Conference ICRTCST-2026, Jamshedpur, held during 29–30 January 2026.
- Prof. Achal Rokade and Dr. Sachin Upadhye presented a research paper titled “Explainable Machine Learning for Parkinson's Disease Detection from Speech Signals: A Comparative Evaluation of Classical Models” at the 3rd IEEE Guwahati Subsection Conference (GCON 2026), held at IIT Guwahati, Assam, from 3–5 June 2026.
- Prof. Sharvari Ramteke and Dr. Sachin Upadhye presented a research paper titled “Understanding and Measuring Dark Web Sanitization: A Comparative Meta-Analysis of Tools” at the 3rd IEEE Guwahati Subsection Conference (GCON 2026), held at IIT Guwahati, Assam, from 3–5 June 2026.
- A patent titled “User Interface for Inspiration Based Digital Wardrobe Matching and Virtual Outfit Visualization” was granted to Prof. Vishnu Vardhan and Prof. Manda Ukey.



## Faculty Highlights

- Prof. Punam Khandar has completed Short-term course on Large Language Models: A Mathematical and Practical Approach conducted by Indian Institute of Information Technology Kottayam from May 18 to 22' 2026.
- Prof. Achal Rokade, Dr. Sachin Upadhye, presented a research paper titled "A Comparative Analysis of Read Text and Spontaneous Speech for Parkinson's Disease Using Machine Learning" at SAMIDHA 2026, an International Research Conference organized by Tirpude Institute of Management Education, Nagpur, held on 13–14 May 2026.
- Prof. Manda Ukey has completed one week STTP on 'Applications of AI organized by centre of excellence in Data science, high performance computing and digital technology, Dept of CSE at GH Rasoni College of Engg during 8-12 June 2026.
- Prof. Pragati Dueby has presented a research paper titled "A Comparative analysis of Machine Learning, Deep Learning, and LLM models for Depression Detection from Social Media Text" at SAMIDHA 2026, an International Research Conference organized by Tirpude Institute of Management Education, Nagpur, held on 13–14 May 2026.
- Prof. Punam Khandar, Prof. Manda Ukey, Prof. Vishnu Vardhan, Dr. Subhangee Mohod, Prof. Bindiya Turkar, Prof. Sharvari Ramteke and Prof. Abhijeet Jaiswal had attended the training workshop on NETSIM simulator from 20-21st April 2026.
- Prof. Vishnu Vardhan Budati has completed three-part series of Clarivate Web of Science Certification Programme '26 in June 2026.
- Prof. Jyoti Kamlesh Shriwas has successfully completed the One Week International Faculty Development Program on Agentic AI & Cyber Security conducted from 24th May 2026 to 30th May 2026 which was organized by iBase Electrosoft LLP and GenAI Einstein.
- Prof. Bindiya Turkar, Dr. Sachin Upadhye, presented a research paper titled "Graph Neural Network for Revealing the Drug-Target-Disease interactions and repurposing " at SAMIDHA 2026, an International Research Conference organized by Tirpude Institute of Management Education, Nagpur, held on 13–14 May 2026.
- Prof. Sneha Deshmukh presented a research Paper titled “Aspect Based Sentiment Analysis of Healthcare Review using Transformers“ at Samidha-2026 an International Conference, at Tirpude Institute of Management Education Nagpur, on 13-14 May 2026.
- Prof. Sneha Deshmukh presented a research Paper titled “Bio-Bert Based Drug Entity Extraction for Clinical notes“ at Samidha-2026 an International Conference, at Tirpude Institute of Management Education Nagpur, on 13-14 May 2026.

- Mr. Numaan Yunus Opai, Student, presented a research paper titled "Tracing Digital FootPrints Cybersecurity and Forensics case studies" at SAMIDHA 2026, an International Research Conference organized by Tirpude Institute of Management Education, Nagpur, held on 13–14 May 2026.
- Mr. Ritesh Khargade and Mr. Prem Dhopte Students, presented a research paper titled "A Machine Learning based web application for early detection of Parkinson's disease using non motor symptoms" at SAMIDHA 2026, an International Research Conference organized by Tirpude Institute of Management Education, Nagpur, held on 13–14 May 2026.
- Prof. Jyoti K Shriwas has successfully completed NPTEL
- Prof. Sneha Deshmukh has successfully completed NPTEL certifications on "Introduction to Deep Learning" and on "Introduction to LLM Model".
- Prof. Abhijeet Jaiswal has successfully completed NPTEL certifications on "Certification Foundation of Deep Learning Concept and Application".
- Prof. Bindiya Turkar has completed FDP of NPTEL -SWAYAM on Machine Learning for Engineering and Science Applications.
- Prof. Bindiya Turkar has Completed FDP of NPTEL-SWAYAM on Foundations of Deep Learning : Concepts and Applications.

## Departmental Activities

- A Parents -Teacher Meeting was conducted by the Department of Computer Science and Applications on 04th April 2026 for the students of Semester II MCA and BCA. The meeting started at 10:00 AM onwards in the department premises. The main objective of the meeting was to interact with parents and obtain their feedback regarding the academic progress, teaching - learning process, discipline, and overall development of the students.
- Parents of several students attended the meeting and interacted with the Head of the Department and faculty members. During the meeting, parents were informed about the academic performance of their wards, attendance records, internal assessment, and participation in various academic and co-curricular activities. The faculty members also explained the teaching methodologies, laboratory practices, project work, and evaluation processes being followed in the department. The parents were also briefed about the placement preparation activities, internship opportunities, skill development programs, workshops, and industry-oriented training organized by the department for the benefit of the students. Parents appreciated the efforts taken by the department in maintaining quality education and providing

continuous academic guidance to the students. Special attention was given to students having less than 60% attendance, and their parents were informed accordingly. Undertakings were taken from students having attendance below 60% to ensure improvement in attendance and regularity in academic activities.

- Parents were given an opportunity to share their suggestions and feedback regarding curriculum delivery, student support, and improvement in academic activities. They expressed satisfaction with the dedication of the faculty members, the academic environment, and the support provided to students. Some parents also suggested conducting more industry interaction sessions, technical workshops, and career guidance programs.
- At the end of the meeting, parents were requested to fill the Parent Feedback Form based on different parameters. The feedback collected will be analyzed and used for continuous improvement in teaching–learning practices and student support systems.
- The meeting concluded with a vote of thanks to all parents for their valuable time, participation, and constructive suggestions for the betterment of the department and students.



*Interaction of Class-Teacher with parents*



*Interaction of Head of Department with parents*

**Board of Studies Meeting :** The Board of Studies (BoS) meeting of the Department of Computer Science and Applications, under the School of Computer Engineering, was conducted in hybrid mode on 02 May 2026. Industry as well as reputed academicians suggestions and modifications were incorporated in the schemes of MCA and BCA programmes.



## Retirement of Faculty / Staff :

The Department of Computer Science & Applications organized a farewell ceremony on 30th June 2026 to honour the retirement of Dr. Ramchand Hablani (Ex-HOD) and Shri M. Brahmhankar (Senior Supporting Staff) for their dedicated service to the department.



**Dr. Padma Adane, Dean, School of Computer Science and Engineering, felicitated Dr. Ramchand Hablani, while Dr. Rakesh Kadu felicitated Shri M. Brahmhankar.** Faculty members and staff expressed their gratitude and conveyed their heartfelt wishes for their good health, happiness, and a fulfilling second innings of life.

## School of Electrical & Electronics Engineering

### Department : Electronics Engineering

#### Research & Publications

- Dr. Meghana A. Hasamnis and Kavita Manekar published a paper titled, “A Nanostructured CuO–Enhanced Chemiluminescent Hybrid Microfluidic Platform for Total Cholesterol Biosensing,” IEEE Transactions on Nanobioscience (Early Access), May 2026, <https://doi.org/10.1109/TNB.2026.3692599>, (SCI).
- Dr. Richa Khandelwal and Om Kamatkar published a paper titled, “Tactikey: Empowering Secure Access to Passwords for Visually Impaired,” IEEE Internet of Things Journal, April 2026, <https://doi.org/10.1109/JIOT.2026.3687275>, (SCI).
- Jitendra B. Zalke, Dinesh R. Rotake, Arpita Parakh, Shubham C. Anjankar, Shiv Govind Singh, and Ranjana Singh published a paper titled, “Label-Free Electrochemical Biosensing of MDR-TB Genes Using Graphite–ZnO Nanofibers on Glassy Carbon Electrodes,” Analytical Biochemistry, Vol. 716, May 2026, <https://doi.org/10.1016/j.ab.2026.116143>, (SCI).
- Dr. Archana Tiwari and Shruti Dutt published a paper titled, “Machine Learning-driven Design Optimization of Antennas using Linear Regression,” SSRG-International Journal of Electrical and Electronics Engineering (SSRG-IJEEE), Vol. 13, Issue 5, pp. 33–47, May 2026,
- <https://doi.org/10.14445/23488379/IJEEE-V13I5P104>, (Scopus).

#### Conference, Events & Seminars Organised

- Richa R. Khandelwal; Bhavesh C.S. Gupta; Vineet A. Gandhi; Jitendra B. Zalke, published a paper titled, “Development of an Autonomous Quadcopter with Object Detection Capability and a Custom Ground Control Station”, 2026 13th International Conference on Computing for Sustainable Global Development (INDIACom), organized by the Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi, India, from 8th – 10th April, 2026.
- Shweta P. Yenorkar, Akshaya lakkoju, published a paper titled, “Optimizing Beyond-5G URLLC Networks: A Review of Joint Latency, Reliability, Throughput, and Energy Efficiency Strategies”, 15th International Conference on Recent Challenges in Engineering and Technology (ICRCET-2026), organized by the IFERP Academy, India, from 22nd – 23rd April, 2026.

- Archana Tiwari, Nita Nimbarte, published a paper titled, “A Review and Comparative Analysis of YOLO Models for Automated Helmet”, 5th Wireless, Antenna & Microwave Symposium – WAMS 2026, organized by the B V Raju Institute of Technology, Vishnupur, Narsapur, Telangana – 502313, India, from 10th – 13th June, 2026.

## **Placement Status of 2026 Batch :**

- No. of unique offers (ECS) : 88
- No. of Unique offers (Biomedical) : 12

## **Department : Electronics and Communication Engineering**

### **Academic Achievements**

#### **Introduction to Agentic AI Systems : Strengthening Industry-Academia Collaboration at RBU**

The Department of Electronics and Communication Engineering, Ramdeobaba University (RBU), introduced an Industry Open Elective titled "Introduction to Agentic AI Systems" for IV Semester B.Tech. Electronics and Communication Engineering (Sections A& B) during the academic session 2025–26. The 52-hour course, offered to approximately 135 students, reflects the department's commitment to integrating emerging technologies into the curriculum and preparing students for the rapidly evolving AI landscape.

A key highlight of the course is its strong industry integration. The course was designed, delivered, and evaluated by Mr. Lokesh Dange, AI Product Lead at Sourcy.ai, Singapore, and an RCOEM alumnus (Civil Engineering, Batch of 2017), who served as an Adjunct Faculty Member in the Department of Electronics and Communication Engineering. Drawing upon more than seven years of experience in AI/ML product management, he brought valuable industry insights and global best practices into the classroom.

The course provided students with a strong foundation in AI agents, agent architectures, multi-agent systems, and communication mechanisms, complemented by hands-on laboratory sessions, portfolio-ready projects, continuous assessments, and unit tests, enabling them to develop practical skills in designing and implementing intelligent AI systems.

In addition to teaching the course, Mr. Dange is mentoring a VI Semester Major Project titled "Multi-Agentic Systems for Healthcare and Telemedicine," further strengthening industry engagement and experiential learning within the department. This initiative represents a significant step towards bridging the gap between academia and industry by equipping students with future-ready skills in Agentic AI, automation, and intelligent systems, while reinforcing RBU's vision of fostering innovation, practical learning, and meaningful industry collaboration.





*Mr. Lokesh Dange Conducting A Course*

## Research & Publications

- Dr. Rohini Ochawar, Apeksha Sonare, Mr. Sanjay Balamwar, and Dr. Madhusudan Kulkarni published a paper titled, “Green Energy Estimation using Remote Sensing Techniques: A Comprehensive Review of Methods, Applications, and Future Directions,” Energy Reports, Vol. 15, June 2026, <https://doi.org/10.1016/j.egyr.2026.109354>, (SCIE).
- Dr. P. K. Parlewar, Dr. N. M. Borkar, and Dr. Arvind Kumar published a paper titled, “Linearly Flared Antipodal Antenna: Design and Analysis,” IETE Journal of Research, 5 June 2026, <https://doi.org/10.1080/03772063.2026.2678929>, (SCIE).
- Dr. P. K. Parlewar, Vijay U. Rathod, and Madhuri P. Kumbhare published a paper titled, “Multimodal Emergency Vehicle Prioritization through Vision–Audio Fusion and Attention-Enhanced Deep Learning for Smart Traffic Signal Control,” Complex & Intelligent Systems, Vol. 12, Issue 7, 2026, <https://doi.org/10.1007/s40747-026-02309-0>, (SCI).
- Dr. P. K. Parlewar, Madhuri P. Kumbhare, and G. K. Bharti published a paper titled, “A Comprehensive Review of Medical Imaging Data Using Deep Learning Techniques for Cancer Detection,” Nigerian Journal of Technology, Vol. 45, Issue S1, pp. 1–20, 4 May 2026, <https://doi.org/10.4314/njt.2026.6052SI>, (Scopus).
- Dr. Mridula Korde, Srushti Jamewar, Ritika Patki, Tanika Mathur, and Nishad Gharote published a paper titled, “Rapid and Reliable Approach for Detecting Milk Spoilage,” Bulletin of Electrical Engineering and Informatics, Vol. 15, No. 3, pp. 2842–2852, June 2026, (Scopus).
- Prof. Puja S. Agrawal published a paper titled, “Interpretable Skin Cancer Identification Using a Hybrid Deep Learning and XAI Framework on HAM10000,” Bioengineering, June 2026, <https://doi.org/10.3390/bioengineering13060677>, (SCI-Q2).

## Conference

- Dr. Pallavi Parlewar, Dr. Nishant Borkar, Dr. Ankita Harkare, Apurve Trivedi, Priyansh Nigam, Onkar Pathak, and Ashlesha Gaydhane presented a paper titled, “Parametric Optimization and Performance Enhancement of a Linearly Flared Antipodal Vivaldi Antenna Using Director-Length Sweep for UWB Applications,” at the 5th IEEE Wireless, Antenna, and Microwave Symposium (WAMS 2026), organized by B V Raju Institute of Technology (BVRIT), Narsapur, Medak District, Telangana, India, held from 10–13 June 2026. The conference proceedings are indexed in IEEE Xplore and Scopus.
- Dr. Mridula Korde, Onkar Yende, Nayan Bhutada, Mohit Thakre, and Sai Khadse presented a paper titled, “Stock Price Forecasting using Time Domain Filtering, STFT, and Deep Learning,” at the 11th International Conference on Information and Communication Technology for Intelligent Systems (ICTIS 2026), held in Bangkok, Thailand, from 9–11 April 2026. The conference proceedings are indexed in Scopus.
- Dr. Ankita H. Harkare, Dr. Paritosh Peshwe, Dr. Joydeep Sengupta, and Dr. Venkata Kishore Kothapudi presented a paper titled, “A Patch Antenna with Reflector for THz Physiological Monitoring Using Machine Learning Algorithms,” at the 5th IEEE Wireless, Antenna, and Microwave Symposium (WAMS 2026), organized by B V Raju Institute of Technology (BVRIT), Narsapur, Medak District, Telangana, India, held from 10–13 June 2026. The conference proceedings are indexed in IEEE Xplore and Scopus.
- Prof. Puja S. Agrawal, Dr. Vandan S. Sharma, Ms. Ritika R. Chouksey, and Mr. Himanshu J. Koturwar presented a paper titled, “IoT-based Fire Monitoring System: A Simulated Implementation using Cisco Packet Tracer,” at the 16th International Conference on Advances in Computing, Control, and Telecommunication Technologies (ACT 2025). The conference proceedings were indexed in Scopus in April 2026.
- Prof. Puja S. Agrawal, Ms. Ritika R. Chouksey, and Dr. Vandan S. Sharma presented a paper titled, “IoT-Enabled Smart Greenhouses: Reinforcement Learning, Predictive Modeling, and Disease Detection for Enhanced Crop Yield,” at an IEEE International Conference (2025). The conference proceedings were indexed in Scopus in April 2026.

## STTP attended

- Dr. Nishant M. Borkar attended a two-day NetSim Hands-on Training Workshop organized at Shri Ramdeobaba College of Engineering and Management (RCOEM), Nagpur. The workshop provided intensive hands-on training on NetSim Academic v14.4 and Standard v14.4
- Prof. Puja Agrawal participated in a two-day NetSim Hands-on Training Workshop organized at Shri Ramdeobaba College of Engineering and Management (RCOEM), Nagpur. The workshop provided intensive hands-on training on NetSim Academic v14.4 and Standard v14.4

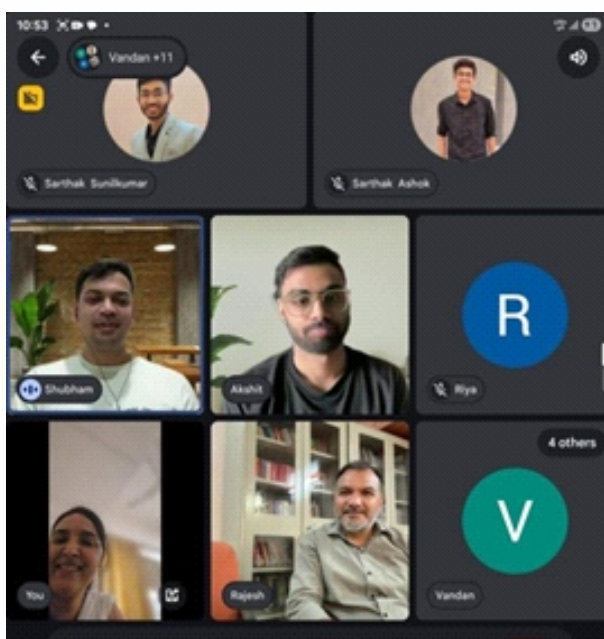
## Patents

- Dr. S. B. Pokle was granted a patent titled, “A System for Secure Communication for a Hypersonic Vehicle,” on 29 May 2026. Application No. 202621042994.
- Dr. Rohini S. Ochawar was granted a Utility Patent titled, “A System for Detection of Moisture Content in Sanitary Pad,” Patent No. 591620, on 9 June 2026.
- Dr. Ankita Harkare was granted a Design Patent titled, “Antenna,” Application No. 470028-001, on 11 June 2026.

## Online workshop with Industry Mentors for Student Projects

- The Department of Electronics and Communication Engineering organized an online meeting on 6 June 2026 with distinguished industry professionals to discuss the mentoring framework for student projects under the Honors Project and Industry-Mentored Project initiatives. The meeting focused on project objectives, mentor expectations, student progress, industry relevance, and the roadmap for successful project execution.
- The invited industry experts appreciated the initiative and extended their support by agreeing to mentor the assigned student projects. Their guidance is expected to bridge the gap between academic learning and industry practices while helping students develop technical, analytical, and professional skills.
- Mr. Shubham Deshpande, SoC lead Irdeto, Neitherlands is mentoring Sarthak Lohiya and Sarthak Kanojiya on the project titled "Simulation, Analysis and Mitigation of Differential Power Attacks on AES."
- Mr. Akshit Gupta, DevOps Engineer, Irdeto, Noida is mentoring Yash Sunil Mahajan, Vishwesh Sachin Wankhede, Prathamesh Subhash Dharamthok, and Udit Prakash Tinwar on the project titled "Multi Agentic System."
- Mr. Vandan Sharma, Senior Intern, Irdeto Noida is mentoring Samiksha Deshmukh on the project titled "Implementation of Secure Reverse Proxy and Load Balancing Using NGINX."
- Mr. Kushal Jain, Siemens, Noida is mentoring AishwaryaSoman on the project titled "RSA Algorithm – Hardware Simulation and Acceleration."
- Following the meeting, formal invitations were sent to all mentors by the Department. The mentors conveyed their consent and expressed their willingness to guide the students throughout the project duration. They appreciated the department's efforts in promoting industry-academia collaboration and committed to providing technical mentorship, project reviews, and career guidance, subject to their professional availability.
- The Department sincerely acknowledges the valuable support of the industry mentors and looks forward to their continued association in strengthening experiential learning and enhancing the employability of students through meaningful industry engagement.





*Online Mentoring*

## **Faculty invited for - Keynote Speakers / Guest Lectures / STTP / FDP / Others**

- Dr. S. B. Pokle invited as reviewer for Journal of Communications, [www.jocm.us](http://www.jocm.us) ISSN: 1796-2021, SCOPUS Indexed.
- Dr. S. B. Pokle submitted review of paper titled, “Extending Massive MIMO Simulations to Multi-Tier Heterogeneous Networks: A Proposal for Macrocell-Small Cell Overlay Architectures, on 10-4-2026.

## **Alumni Achievements**

Ms. Abhishree Sachin Kolharkar has been selected for the Indian Air Force through AFCAT. She cleared the SSB interview at 2 AFSB, Mysore, and has been selected for the Ground Duty Technical Branch – Aeronautical Engineering (Electronics) [AE(L)]. She will join the Air Force Academy, Dundigal, in June 2026.



*Ms. Abhishree Sachin Kolharkar*

Ms. Ishita Jaiswal has been selected for the Indian Army through SSC (Tech) Entry. After successfully clearing the SSB interview at Jalandhar, she joined the prestigious Officers Training Academy (OTA), Gaya, in April 2026. This achievement reflects her dedication, determination, and commitment to serving the nation. We extend our heartfelt congratulations and wish her great success in her military career.



*Ms. Ishita Jaiswal*

## **Alumnus Driving Student Success Through Mentorship and Internships**

The Department of Electronics and Communication Engineering is proud to acknowledge the continued contributions of its alumnus Mr. Lokesh Dange (Civil Engineering, Batch of 2017, RCOEM), AI Product Lead at Sourcy.ai, Singapore, towards strengthening industry-academia collaboration at Ramdeobaba University.

Beyond his role as Adjunct Faculty for the Open Elective course on Agentic AI, Mr. Dange has actively supported student development through several initiatives. He delivered expert sessions under the Value Added Course "Data Analysis 360", sharing practical industry perspectives and emerging trends in Artificial Intelligence and data-driven technologies.

Further extending his support, he has offered summer internship opportunities to four students through his upcoming venture, Top-Docs.in, providing them with valuable industry exposure and an opportunity to work on real-world AI applications in a startup environment. Students Yash Sunil Mahajan, Vishwesh Sachin Wankhede, Prathamesh Subhash Dharamthok, and Udit Prakash Tinwar are working on the Industry-Mentored Project "Multi Agentic System"

Despite his demanding professional commitments, Mr. Dange has consistently devoted his weekends and personal time to student mentoring, academic interactions, and career guidance. His continued engagement reflects a strong commitment to giving back to his alma mater and nurturing the next generation of engineering professionals. The Department sincerely appreciates Mr. Lokesh Dange's valuable contributions and looks forward to many more meaningful collaborations that strengthen industry-academia engagement and enhance student learning.



*Mr. Lokesh Dange mentoring the Major Capstone Project team and interacting with students. He also extended summer internship opportunities to the project members.*

## **From Campus to Industry : An Alumni Mentoring Day by Shubham Deshpande**

The Department of Electronics and Communication Engineering organized a day-long alumni interaction session on 30 May 2026 featuring Mr. Shubham Deshpande (ECE Batch 2017), Service Operations Manager at Irdeto B.V., Netherlands, and a Master's graduate in Information Security.

The session, "How to Stay Relevant: Skills, Opportunities and Focus Areas," provided students with valuable industry insights and practical career guidance. Drawing from his professional journey, Mr. Deshpande discussed the evolving technology landscape, highlighting opportunities in Artificial Intelligence, Cloud Computing, Cyber security, DevOps, Networking, and Embedded Systems & IoT (Semiconductor Industry). He emphasized that long-term relevance in the AI era is achieved through strong fundamentals rather than chasing every emerging trend.

A key highlight of the session was his 50-30-20 Principle of Success: 50% of success comes from showing up consistently, 30% from having the right attitude, and the remaining 20% is where everyone competes through skills and performance. The motivational talk inspired students to focus on discipline, continuous learning, and professional growth.

The afternoon featured an interactive Project Ideation Workshop based on Design Thinking. Students explored their interests, identified industry-relevant challenges, applied Outcome-Based Ideation, and developed project concepts aligned with real-world applications. They further presented their problem statements to peer groups, gaining hands-on experience in communication, project scoping, collaboration, and iterative feedback.

As a significant outcome of the interaction, Mr. Shubham Deshpande voluntarily agreed to mentor two student projects, strengthening the department's industry-academia collaboration. The programme was coordinated by prof. Puja S. Agrawal and was concluded with a felicitation by Dr. Rohini Ochawar, Head of the Department, and the faculty members of the ECE department who appreciated his continued support and commitment towards mentoring students and contributing to the growth of his alma mater.





*Mr. Shubham Deshpande mentoring Honors students during an interactive session on career readiness, emerging technologies, and project ideation.*



*Felicitation of Mr. Shubham Deshpande in recognition of his valuable contributions as an Industry Mentor and distinguished alumnus of the Department of Electronics and Communication Engineering.*

## School of Engineering Sciences

### Department : Mechanical Engineering

#### Research & Publications

- Dr. Vishal Shukla and Dr. Yogesh G. Joshi published a paper titled, “Development of a Layer-Wise In-Situ Laser-Based Dimensional Monitoring System with Post-Mechanical Characterization of Synthesized Polylactic Acid 3D Prints in FDM Additive Manufacturing,” PLOS ONE, April 2026, (Q1, SCIE, Scopus).
- Dr. B. K. Patle published a paper titled, “Matrix-based Genetic Algorithm for Drone Path Planning in Dynamic Collaborative Environments,” The Bottom Line (Emerald Publishing), 2026, (Scopus).
- Dr. Yogesh G. Joshi, Dr. Vandita Shahu, and Dr. Arun Kose published a paper titled, “High-Performance Turning of WCu Alloy Using Cryogenically Treated Tool with Predictive Machine Learning Approach and Taguchi–Grey Relational Optimization,” Scientific Reports, May 2026, (Q1, SCIE, Scopus).
- Dr. Yogesh G. Joshi published a paper titled, “Experimental and Numerical Investigation of Short Carbon Fiber Reinforced PA66 Spur Gears for Fatigue Performance Optimization,” Scientific Reports, May 2026, (Q1, SCIE, Scopus).
- Dr. Yogesh G. Joshi, Dr. Vandita Shahu, and Dr. Arun Kose published a book chapter titled, “Exergy Destruction Analysis of  $\text{Al}_2\text{O}_3$ -Based Nanofluid in Vapor Compression Refrigeration System,” in Recent Advancements in Thermo-Fluidic and Energy Engineering, Springer, June 2026, (Scopus).
- Dr. Yogesh G. Joshi, Dr. Arun Kose, and Dr. Vandita Shahu published a book chapter titled, “Experimental Investigation of Tube Inclination and Magnetization on Convective Heat Transfer Coefficients of Tetrafluoroethane,” in Recent Advancements in Thermo-Fluidic and Energy Engineering, Springer, June 2026, (Scopus).
- Dr. Panjali Deole published a paper titled, “Recent Trends in Laser Cladding for Advance Surface Engineering: A State-of-the-Art Review,” Journal of Advanced Manufacturing Systems, June 2026, (Q2, ESCI, Scopus).
- Vandita Thantharate Shahu, Yogesh G. Joshi, and Arun Kose were granted a Design Patent titled, “Laboratory and Experimental Clamping Device,” Design No. 496933-001, on 4 June 2026.
- Vandita Thantharate Shahu, Yogesh G. Joshi, and Arun Kose were granted a Design Patent titled, “Foldable Solar Panels,” Design No. 458330-001, on 10 June 2026.
- Dr. Sachin Pund was granted an Indian Patent titled, “A Cryogenic Cooling System,” Patent No. 590660, on 29 May 2026.

## Workshop

- To strengthen expertise in advanced robotics, faculty members of the Department of Mechanical Engineering successfully completed training on Robot Operating System (ROS)
- The program enhanced their skills in robot programming, simulation, navigation, and autonomous system development for cutting-edge teaching and research.

## Department-hosted competitions

- Dr. Yeshwant Manohar Sonkhaskar has successfully completed ISTE Sponsored ISTE-BNY Knowledge Enhancement Programme, One Week Faculty Development Programme (FDP) on "Industry 5.0: Human-Centric, Sustainable and Resilient Manufacturing" held during 15 June to 20 June 2026, organized by Department of Mechanical and Mechatronics Engineering (Additive Manufacturing) of Thakur College of Engg. and Technology, Mumbai
- Vandita T. Shahu, Department of Mechanical, Ramdeobaba University, Nagpur, India, has participated in Two-Weeks Workshop on Fundamentals of Artificial Neurons and Intelligent Systems held from 01 June 2026 to 14 June 2026 organized by MathTech Thinking Foundation (MTTF), Fazilka, Punjab, India.

## Faculty Highlights

- Congratulations to Prof. Nitin Gudadhe on the successful defense of his Ph.D. thesis at NIT Raipur. A remarkable academic milestone we wish him continued excellence in research and teaching
- Dr. Vandita Thantharate Shahu selected as Women's chair for the Professional society ISHRAE Nagpur Chapter for the society year 2026-27.



- Dr. Vandita Thantharate Shahu was invited for an expert lecture for the Professional society ISHRAE Nagpur Chapter. She delivered an expert lecture as webinar on "AI in Thermal Systems : Smart & Sustainable Cooling Solutions" on 15/04/2026.
- Dr. Vandita Thantharate Shahu delivered an expert session on "AI in Thermal Systems – Smart & Sustainable Cooling Solutions" during the FDP on Innovations and Technology in HVACR Systems, organized by JDIET, Yavatmal, with ISHRAE Nagpur Chapter from 19–20 June 2026.



## Student Achievements

- Under the guidance of Dr. Y. M. Sonkhaskar, third year students Mr. Nelson Majumdar, Mr. R. Shivansh, Mr. Shivanjal Sorte, Ms. Riya Gurjar, and Ms. Sadhana Deshpande won First Prize in the Paper Presentation Competition at the 13th International Conference on TechTrends in Science, Engineering, and Management, organized by Suryodaya College of Engineering and Management, Nagpur in association with ISTE and IEI, held on 21st April 2026.



## Internships or placements secured

- Mr. Aditya Hedao and Mr. Durvesh Mokadam (M.Tech. – RAI) have been selected for a one-year internship at Tata Motors, Pune, with a monthly stipend of ₹25,000. Congratulations to both of them on this remarkable achievement, and best wishes for a successful internship.

## Notable student projects or start-ups

- Mr. Aniket Patrale on the publication of a new patent. Title: A System for Hydraulic Power Transmission, Patent No.: 202621047305 | Published: 05 June 2026, Indian Patent Journal
- Varroc Eureka Challenge 3.0 - Round 2. Two teams qualifying for Round 2 out of just three teams shortlisted from the entire institute. (1) Team REVX Team Leader: Nivedita Thanvi, Problem: Advanced LED & adaptive lighting for mass-market vehicles in India, Members: Himanshu Sherkar, Kanishka Bhange, Ashwin Khobragade. (2) Team Yash, Team Leader: Yash Bhairav Mishra, Problem: Moisture Removal from Closed Box, Members: Arman Tiwari, Aniket Bobade, Neelansha Ghai

## Infrastructure & Facilities

- Lab upgrades or new equipment**

The Department of Mechanical Engineering has strengthened its Robotics and AI laboratory with the procurement of five advanced educational robots—Servibot, Autobot, Cubiform, Luminous, and Pixel. These state-of-the-art platforms will provide students with hands-on learning in robotics, automation, artificial intelligence, and smart system development.

## Department : Department of Civil Engineering

### Research & Publications

- Prashant Hiwase, Namrata Pradnyakar, Mangesh Bhorkar, Amolkumar Jadhav, Nilesh Ashtankar, Nilesh S. Ugemuge, and Ashish Selokar published a paper titled, “K<sub>5</sub>La(MoO<sub>4</sub>)<sub>4</sub>:Pr<sup>3+</sup> Molybdate Phosphor: Synthesis and Spectroscopic Analysis for Applications in Optical Devices,” Physica Status Solidi (B): Basic Research, Vol. 263, Issue 5, Article e70248, 2026, <https://doi.org/10.1002/pssb.70248>, (SCIE).
- Prashant Hiwase, Boskey V. Bahoria, Nilesh Mendhe, Lowlesh N. Yadav, Nilesh Shelke, Latika Pinjarkar, and Vikrant S. Vairagade published a paper titled, “Stochastic Interpretable Machine Learning-Based Multi-Scale Modeling of Nanomaterial Reinforced Concrete with Carbon Nanotubes and Nanosilica for Enhanced Structural Performance,” International Journal of Material Forming, Vol. 19, Article 82, 2026, <https://doi.org/10.1007/s12289-026-02050-6>, (SCIE).

### Summer Training on REVIT Software :

The Department of Civil Engineering, Ramdeobaba University, successfully organized a 15-day Summer Training Programme on REVIT Software for Third-Year B.Tech Civil Engineering students to enhance their Building Information Modelling (BIM) skills and industry readiness. During the training, students gained hands-on experience in creating 2D and 3D building models, rendering, structural detailing, and quantity estimation using Autodesk REVIT. They also developed practical projects, including residential buildings, villas, and warehouse models, strengthening their design and visualization capabilities. The programme equipped students with industry-relevant skills, practical exposure, and improved career preparedness, enabling them to meet the evolving demands of the architecture, engineering, and construction (AEC) industry.



*Dr. A.A. Mehta & Sagar Doye (Research scholar) during Interaction with visitors at "Advantage Vidarbha 2026"*

- Dr. Varsha R Harne is recognised as NPTEL DISCIPLINE STAR AWARD

## School of Management

### Research & Publications

- Dr. Gayathri Band, Dr. Anjaneyulu Gudla, Dr. Manish Kumar, Dr. Vamshi Jeksani, and Dr. Kiran Kumar Reddy published a paper titled, “Harnessing Artificial Intelligence Cybersecurity : Cutting-Edge Collaboration of SAP AWS to Safeguard Life Science Data,” in the Proceedings of the IEEE International Conference on AI Engineering and Innovations (AIEI 2026), June 2026, <https://doi.org/10.1109/AIEI69164.2026.11497833>, (IEEE Xplore, Scopus).

### Conferences

- Prof. Amit Kumar presented paper titled “Multi-Modal Sensor Fusion and AI Analytics for Enhanced Sustainable Agriculture in IoT” 7th International Conference on Data Analytics and Management (ICDAM-2026) organized jointly by London Metropolitan University, London, United Kingdom in association with the WSG University, Bydgoszcz, Poland; Portalegre Polytechnic University, Portugal & SGGW Management Institute, Poland, Europe during June 2026.
- Dr. Rajiv Bramhanand Khaire presented paper titled “Predictive Analysis of Skill Development Programs and Employment Outcomes in Emerging Economies Using Machine Learning” the 9th International Conference on Innovative Computing and Communication (ICICC-2026) organized by Shaheed Sukhdev College of Business Studies, University of Delhi, New Delhi, India in association with the National Institute of Technology Patna, India and the University of Valladolid, Spain on February 2026.

### Books and Chapters In Edited Volumes / Books Published

- Dr. Parihar Dahake, Dr. N. S. Dahake, and Dr. Rahul Mohare published a book chapter titled, “Leveraging Immersive Wellness in Digital Marketing: Transforming Consumer Engagement in the Virtual Landscape,” in Immersive Wellness Spectrum: Trends, Technologies and Transformations, Emerald Publishing Limited, April 2026, <https://doi.org/10.1108/978-1-80686-185-920261006>.
- Dr. Parihar Dahake, Dr. Pragati P. Dahake, Dr. Rahul Mohare, and Dr. Saket Bansod published a book chapter titled, “Global Strategies for Academic Excellence: The Internationalization Imperative in Higher Education,” in Management, Governance, and the Evolving Role of Faculty in Higher Education, IGI Global Scientific Publishing, May 2026, <https://doi.org/10.4018/979-8-3373-5806-2.ch018>.



## Placement & Internship Highlights

The School of Management at Ramdeobaba University continues to strengthen its reputation for providing excellent placement and internship opportunities through strong industry collaborations. During the Academic Year 2024–2026, 126 students secured final placements, while 160 students successfully completed full-semester internships, reflecting the university's strong emphasis on experiential learning and industry exposure.

The placement season witnessed participation from leading organizations such as Capgemini, Hexaware, HFFC, Fendahl Technology, CarDekho, Berger Paints, Spacewood Office Solutions, Nagpur Nagarik Sahakari Bank, ManifestPro Consulting, Metlok, and several other reputed companies. The highest domestic package offered was ₹8.40 LPA, with an average package of ₹5.42 LPA. Notably, 27 students received offers of ₹7 LPA and above, highlighting the quality and employability of our graduates. Students secured opportunities across diverse domains, including Finance, Marketing, Human Resources, Sales, Consulting, Banking, Technology, and Operations.

## Farewell

The Farewell Ceremony “FAREWELL 2026 – The NOVA Night” was organized for the senior students of MBA Batch 2024–26 on 16th May, 2026 to celebrate their journey, achievements, and memories created during their academic years. The event was conducted with enthusiasm and joy, bringing together juniors, seniors, faculty members, and the organizing committee for a memorable evening.



## School of Humanities and Sciences

### Department : Chemistry

#### Research & Publications

- Dr. Avinash Bharati published a paper titled, "Luminescence Investigation and Structural Properties of  $\text{Ca}_{14}\text{Zn}_6\text{Al}_{10}\text{O}_{35}$ :  $\text{Dy}^{3+}/\text{Sm}^{3+}$  Phosphors for Color Tunable LED Applications," ChemistrySelect, Vol. 11, Issue 15, Article e06843, 2026, (SCIE).
- Dr. C. P. Pandhurnekar published a review paper titled, "Recent Advances in Green and Traditional Synthetic Approaches for Coumarin Derivatives: A Comprehensive Review," Green Chemistry Letters and Reviews, 2026, (SCIE).
- Dr. Priti Mangrulkar published a paper titled, "Superior Energy Storage Performance of MOF/PANI Nanocomposites: Toward Sustainable Supercapacitors," New Journal of Chemistry, 2026, (Scopus, Web of Science).
- Dr. Sanjogta Meshram published a paper titled, "Floral-Mediated Synthesis of Copper Oxide Nanoparticles via *Calotropis gigantea*: Structural Insights, Antimicrobial and Antioxidant Activity," Chemistry Africa, Vol. 9, Article 234, 2026, (Scopus, Web of Science).

#### Conferences attended faculty

- Dr Swaroop Laxmi Mudliar presented her paper titled, "Biochar as a Nano-Engineered Material: Nano-Engineered Carbon Nano Spaces Prepared for Removal of Methylene Blue by Amine Grafting Using Ethylenediamine (EDA)" at the 249th ECS Meeting, held at Seattle, WA USA (May 24 - 28, 2026)

### Department : Humanities

#### Research & Publications

- Dr. Vinod Asudani published the English translation of the Sindhi book titled, Journey of Resilience, published by Lions Publication, Gwalior, in May 2026.
- Ms. Asifa Ebrahim published a paper titled, "Non-human Energy Agencies as Major Protagonists in Amitav Ghosh's Works of Fiction and Non-fiction," International Journal of Innovative Research in Technology, Vol. 12, Issue 12, May 2026, ISSN: 2349-6002.

#### Conference, Events & Seminars Organised

- Ms. Shweta Kadam organized a guest lecture on "Transactional Analysis for Self-Management" on 6th April 2026 for CSE students of RBU, Nagpur. The session was delivered by former Principal of Hislop College, Dr. Dipti Christian. It focused on enhancing self-management and interpersonal skills. (Photo – Shweta Kadam – Dr. Deepti Jain – Guest Lecture 1&2)

## Conferences attended by faculty

- Dr. Vinod Asudani and Mr. Arpit Gupta presented a paper titled, “Exploring Cultural Hybridity in Swimmer Among the Stars by Kanishk Tharoor” at the International Conference on Social Science, Language, Literature and Education (ICSSLLE), held in the Mumbai, India, on 29th May 2026.
- Mr. Rohan Nagarkar & Mr. Ajinkya Padalwar presented a research paper titled “Artificial Intelligence Driven Text Analytics for Enhancing English Language Learning and Pedagogical Decision Making” at the International Conference on Cognitive Computing and Networking Systems (ICC-CNS 2026), organized by the Department of Computer Science and Engineering, Vignan’s Foundation for Science, Technology and Research, Guntur, India, and was technically co-sponsored by the IEEE Computer Society from 11–13 June 2026. (Photo - Mr. Ajinkya Padalwar's - IEEE Certificate)
- Ms. Shweta Kadam attended the Faculty Development Program (FDP) on "Research Proposal and Thesis Writing," organized by IIRA (Ideal institute of Research Academy), Thane in online mode from 27 May 2026 to 31 May 2026.
- Mr. Arpit Gupta attended 5-Day Faculty FDP on “Techno-Cultural Studies: Rethinking Humanities and the Digital Age”, organised by Amity Institute of English Studies and Research, Amity University, Jharkhand, from 8th June to 12th June 2026.
- Mr. Arpit Gupta completed the NPTEL (FDP) 8-week (Feb-Apr 2026) course of “English for Thesis Writing” in the Elite category by scoring 80%. It was organized by IIT Kharagpur.

## Faculty Highlights

- Dr. Vinod Asudani was invited by Central Sahitya Academy, Delhi to chair a session on multilingual poetry in Festival of Letters organized by the Academy on 1st April 2026.
- Dr. Deepshikha Mehra was invited as an External Academic Expert in The Board of Studies of the Department of Humanities at Wainganga College of Engineering and Management, Nagpur.
- Dr. Deepti Jain Thakre was invited as a resource person to deliver an online lecture on the topic “Conflict Management and Negotiation Skills” on 18/05/26 at the Lecture series “Imprint: an online Soft Skills Short Term Course” organised by cluster colleges under the aegis of RTMNU.
- Ms. Aarushi Walgaonkar received the Best Paper Presentation Award for the research paper titled: “Animism Meets Posthumanism: Liminal Sacred Spaces in the Anime of Hayao Miyazaki” presented at the conference "Decolonising English Literary Studies: Indigenous Epistemologies, Counter-Narratives and Knowledge Futures” organized by the Department of English and Foreign Languages, Central University of Haryana on 30 May 2026. (Photo – Aarushi Walgaonkar – Best Paper Presentation Award)



- Ms. Aarushi Walgaonkar received the Emily Dickinson Award for the Best Poetry Book. It is a collection of poetry titled, “Six Feet of Silence”, published by BookLeaf Publishers, Delhi. (Photo – Aarushi Walgaonkar – Emily Dickinson Award)
- Dr. Deepti Jain Thakre invited as a resource person to deliver an online lecture on the topic “Conflict Management and Negotiation Skills”
- Dr. Arushi Wagh has been honoured with the Best Paper Presentation Award at the International Conference on Decolonising English Literary Studies: Indigenous Epistemologies, Counter-Narratives, and Knowledge Futures for her research contribution.
- Mr. Ajinkya Padalwar presented a research paper titled “Artificial Intelligence Driven Text Analytics for Enhancing English Language Learning and Pedagogical Decision Making” at the International Conference on Cognitive Computing and Networking Systems (ICC-CNS 2026)



*Guest lecture on "Transactional Analysis for Self-Management" organised on 6th April 2026 for CSE students of RBU, Nagpur. The session was delivered by former Principal Hislop College, Dr. Dipti Christian.*

## **Department : Physics**

### **Research & Publications**

- Neelam Hooda, Reena Sharma, Amit Hooda, Mahendra Singh Rathore, Ashima Hooda, and Satish Khasa published a paper titled, “Effects of B-site Ni Substitution on Structural and Magnetic Properties of Pr-doped  $\text{La}_{1.9}\text{Pr}_{0.1}\text{Cu}_{1-x}\text{Ni}_x\text{MnO}_6$  Double Perovskites,” Journal of Magnetism and Magnetic Materials, Vol. 650, Article 174142, April 2026, <https://doi.org/10.1016/j.jmmm.2026.174142>, (SCIE).
- Yatish R. Parauha, Shruti N. Tanwar, Yogesh There, Anil M. Pethe, and S. J. Dhoble published a paper titled, “Biosynthesis of Zinc Oxide Nanoparticles and Evaluation of Anticancer Activity Against MCF-7 Breast Cancer Cell Line via Phyto-Synthesised Nanoparticles,” Scientific Reports, Vol. 16, Article 17550, April 2026, <https://doi.org/10.1038/s41598-026-47644-x>, (SCIE).

- K. Pushpanjali Patra, Debabrata Maji, and S. Ravi published a paper titled, “A Comprehensive Investigation of Metamagnetic State and Multimagnetic Phases in Orthochromite  $\text{HoCrO}_3$ ,” Solid State Sciences, Vol. 179, Article 108389, May 2026, <https://doi.org/10.1016/j.solidstatesciences.2026.108389>, (SCIE).

### **Book Published**

- Dr. K. Pushpanjali Patra published a book as an editor titled, Applied Research in Science, Technology and Engineering – Volume II, ISBN: 978-93-47587-13-9, May 2026, <https://doi.org/10.5281/zenodo.20483454>. (bhumipublishing.com)

### **Conference, Workshops, Seminars, Guest Lectures**

- Dr. Shilpa Kulkarni, Dr. Neelam Hooda, and Dr. Yatish R Parauha, has completed the 44 hours (3 credits equivalent) Faculty Development Programme on “QT-08: Quantum Materials”, jointly organised by Electronics and ICT Academies at MNIT, Jaipur, IIT Kanpur, NIT Patna, and IIITDM Jabalpur, from 9th March - 2nd April 2026.
- Dr. Shilpa Kulkarni, Dr. Neelam Hooda, Dr. Yatish R Parauha, and Dr. K Pushpanjali Patra has completed the 44 hours (3 credits equivalent) Faculty Development Programme on “QT-09: Engineering Foundation of Quantum Technologies” jointly organised by Electronics and ICT Academies at MNIT, Jaipur, IIT Kanpur, IIT Roorkee, IIT Guwahati and IITDM Jabalpur, from 10th April – 2nd May 2026.
- Dr. Neelam Hooda has completed the 40 hours (3 credits equivalent) Faculty Development Programme on “QT-10: Solid State Physics for Quantum Technologies” jointly organised by Electronics and ICT Academies at MNIT, Jaipur, IIT Kanpur, IIT Roorkee, and NIT Patna, from 8th May – 30th May 2026.

### **Department : Mathematics**

#### **Research & Publications**

- Prof. M. Kotewar published a paper titled, “Spatio-temporal Nonlocal Magneto-Thermoelastic Framework via Memory-Dependent Gurtin – Pipkin – Moore – Gibson – Thompson Heat Conduction,” Mechanics of Advanced Materials and Structures, April 2026, (SCIE).
- Prof. G. Khobragade published a paper titled, “Diagnosing Health of Industrial Areas of Nagpur District,” International Journal of Drug Delivery Technology (IJDDT), April 2026, (Scopus).
- Prof. K. Ingole published a paper titled, “A Preliminary Study on General Health Survey in Suradevi Village, Nagpur, India,” Mukta Shabd Journal, Vol. XV, Issue V, May 2026, (UGC CARE Listed Group I).

## STTP / FDP / Other Training Attended by Faculty

- Prof. Dr. P. O. Bagde has attended a FDP from 30/04/26 to 06/05/26 organized by Hyderabad Institute of Technology and Management in collaboration with A.C.T. Academy, Kerala.
- Prof. Dr. P. O. Bagde has attended a FDP from 08/06/26 to 13/06/26 organized by Yashwantrao Chavan College of Engineering in collaboration with Indian Association of physics Teachers.

## TEMPLE REPORT

| DATE       | EVENT              | ACTIVITY                                               |
|------------|--------------------|--------------------------------------------------------|
| 02/04/2026 | Hanuman Janamutsav | Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal /    |
|            |                    | Flower Decoration And Distribution Of Prsadi           |
| 07/04/2026 | Sunderkand         | Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal      |
| 14/04/2026 | Sunderkand         | Sunderkand By Shri Ramdeobaba Bhakt Mandal             |
| 18/04/2026 | Byawalla           | Byaw Ki Mehendi                                        |
| 19/04/2026 | Duj/akshay Tritiya | Byawalla By Shubham And Manish Dayma Fro Jalna         |
|            |                    | Flower Decoration By Local Artist                      |
| 21/04/2026 | Sunderkand         | Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal      |
| 28/04/2026 | Sunderkand         | Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal      |
| 05/05/2026 | Sunderkand         | Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal      |
| 12/05/2026 | Sunderkand         | Sunderkand By Shri Ramdeobaba Bhakt Mandal             |
| 18/05/2026 | Duj                | Bhajan Sandhya By Shri Ramdeobaba Bhakt Kirtan Mandal, |
|            |                    | Flower Decoration By Local Artist                      |
| 19/05/2026 | Sunderkand         | Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal      |
| 26/05/2026 | Sunderkand         | Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal      |
| 02/06/2026 | Sunderkand         | Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal      |
| 06/06/2026 | Bhajan Sandhya     | Bhajan Sandhya By Shri Ramdeobaba Bhakt Kirtan Mandal  |
| 09/06/2026 | Sunderkand         | Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal      |
| 13/06/2026 | Bhajan Sandhya     | Bhajan Sandhya By Shri Ramdeobaba Bhakt Kirtan Mandal  |
| 16/06/2026 | Duj                | Bhajan Sandhya And Sunderkand By Shri Ramdeobaba Bhakt |
|            |                    | Kirtan Mandal Flower Decoration By Local Artist        |
| 20/06/2026 | Bhajan Sandhya     | Bhajan Sandhya By Shri Ramdeobaba Bhakt Kirtan Mandal  |
| 23/06/2026 | Sunderkand         | Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal      |
| 27/06/2026 | Bhajan Sandhya     | Bhajan Sandhya By Shri Ramdeobaba Bhakt Kirtan Mandal  |
| 30/06/2026 | Sunderkand         | Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal      |