

RCOEM

Shri Ramdeobaba College of
Engineering and Management, Nagpur

Reflection
NEWSLETTER

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IN THIS ISSUE

• Department of RCOEM-TATA-CIIIT	1
• Industry Institute Interaction Cell	8
• SWAYAM- NPTEL Local Chapter	10
• Department of Biomedical Engineering	14
• Department of Civil Engineering	19
• Department of Computer Science and Engineering	22
• Department of Electronics and Communication Engineering	35
• Department of Electrical Engineering	42
• Department of Electronics Engineering	46
• Department of Industrial Engineering	54
• Department of Information Technology	56
• Department of Mechanical Engineering	59
• Department of Chemistry	64
• Department of Physical Education	65
• Department of Humanities	69
• Department of Management Technology	72
• Department of Computer Applications	73
• Temple Report	80

LETTER FROM THE EDITOR

The second quarter of the calendar year started with new research projects, consultancies, placement activities and a lot.

RCOEM-TATA-CIIIT conducted training programs, workshops and internships for students from RCOEM as well as other institutes.

SWAYAM-NPTEL has recognized RCOEM as 'Best Faculty Performance' outside the rated top 100 local chapters based on performance in NPTEL.

Departments has conducted Parent Meet, Alumni Meet, Webinars, Carrier guidance activities guest lectures etc. The faculty members participated in STTPs, FDPs, NPTEL, MOOC courses and presented the research work in reputed conferences and journals. Some of our faculty members were granted patent also.

Overall, this quarter saw the college delivering and gearing up for the innovation and trying to achieve new milestones.

“The future belongs to those who believe in the beauty of their dreams.” – Eleanor Roosevelt

Happy Reading !!!

RCOEM-TATA-CIIT (Centre for Invention Innovation Incubation & Training)

Training Programs :

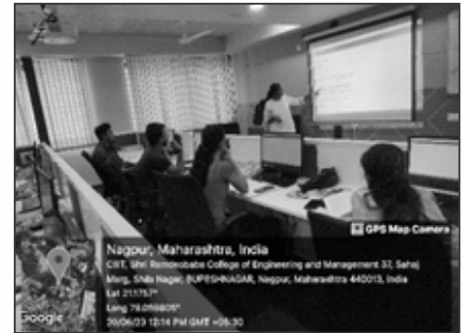
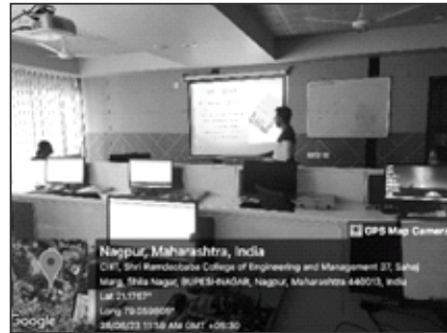
1] Three Months internship program on “Java Programming and Project Development” was conducted from 20th April 2023 to 11 July 2023 for second year students of EC Dept of Shri Ramdeobaba College of Engineering and Management, Nagpur from 4.00 pm-6.00 pm daily, conducted at RCOEM-TATA-CIIT. The mentor of the training Program was Mr. Parth Bhalerao Final Year Student of RCOEM.



2] One Day Workshop on “Robotics & Drone Technologies” was conducted on 09th June 2023 for students of Priyadarshini College of Engineering, Solar Industries, J. D. College of Engineering & Management, Wainganga College of Engineering & Management, S. B. Jain College of Engineering etc. The workshop was organized by Mechanical Engg. dept in association with RCOEM-TATA-CIIT. It was conducted at CIIT from 10.30 am to 6 pm, The training was given by Dr. Vishal Shukla, Dr. Y. M. Sonkhaskar, Dr. G. R. Nikhade, Dr. Alok Jha, the demonstration of Snake Robot, Spider and other models were given by the students of Robotics Club, RCOEM and M. Tech (R and A) along with Technical Assistant of Mr. Shrikant Wankhede & Mr. Umendra Mukurne. The certificates of participation were given at the hands of Dr. P. D. Pachpor, Dean Admissions, RCOEM.



3] One-month internship program on “Internet of Things (IoT)” was conducted from 17th June 23 to 11th July 2023 for students of J. D. College of Engineering and Management, Nagpur from 10.30 am –2.30 pm, held by RCOEM-TATA-CIIT. The training program was coordinated by Dr. Chithraja Rajan and Dr. Bhumika Neole, faculty dept of ECE RCOEM.



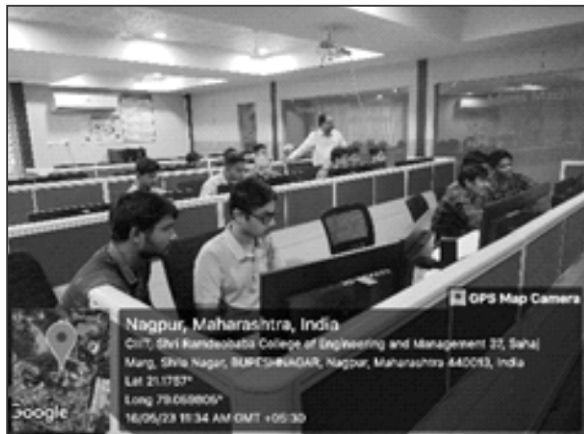
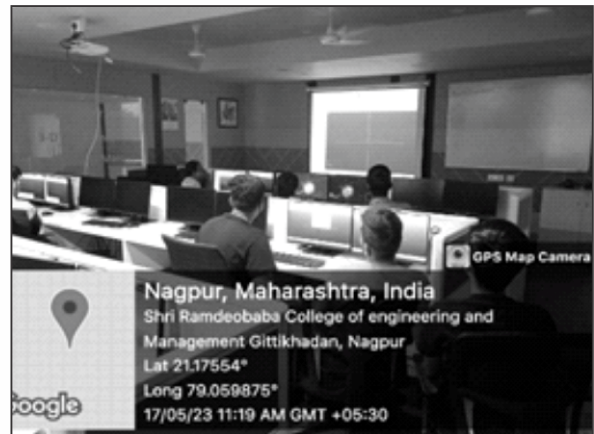
Consultancy & Project :

- Manan Agrawal and team of students from Electronics Engg. Dept. Printed 3D Parts (Bottom Case and Top Case) for the project of “Electronics Product Development”.
- Bhupendra Singh and Sanket Patil M. Tech Students of Robotics & Automation Mechanical Engg. Dept. Printed 3D Parts on the project of “Snake Robot”.

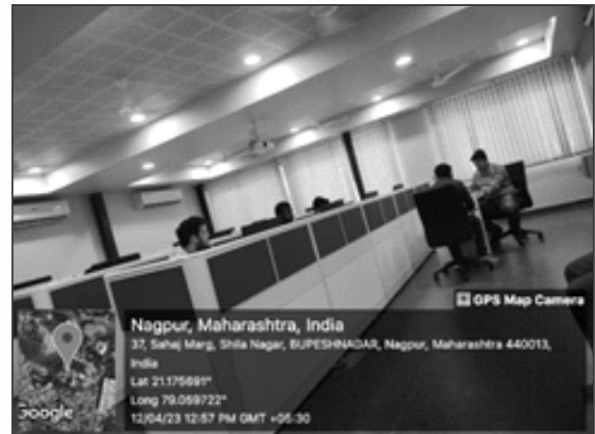


Guest Lecture & lab Utilization :

- The 4th semester students of Mechanical Department were given the basic training on Adams Machinery Studio (software) by Course Coordinator Dr. Y. M. Sonkhaskar for 1 day.



- The M. Tech (R and A) students received 4 days of training on Introduction to Robotics from Mr. Parag Sardey and Mr. Syed Zaid.



- The CIIT Lab was used by third-year sixth-semester mechanical engineering students for their external practical exam in additive manufacturing.



Visit of Eminent persons to RCOEM-TATA-CIIIT :



Satyam Sharma Sir, Nagpur



*J D College of Engineering & Management,
Nagpur*



*Mr. Manish Bansal, Mr. Nikhil Thard,
Mr. Vivek Singh & Mr. Amit Sehgal*



*Faculties of Government Polytechnic,
Chandrapur*



Dr. Vinod Mohitkar, Dr. Rajesh Pande, Nagpur



Mr. Arvind Nahata, Nagpur



Tulsiramji Gaikwad Patil College of Engineering & Technology, Nagpur



RCOEM Electronics Dept., Nagpur



St. Vincent Pallotti College of Engg. & Technology, Nagpur



Lanjewar Sir



Faculties of St. Vincent Pallotti College of Engg. & Techno



S B Jain institute of Techno. Management & Research,



Dr. Umale, Sardar College, Mumbai



Ret. Manager Mr. Roy & Mr. Godse

Industry Institute Interaction Cell

1. Signing of Memorandum of Understanding Between Shri Ramdeobaba College of Engineering & Management (RCOEM) and National Academy of Direct Taxes (NADT)- Nagpur

The signing of a Memorandum of Understanding between Shri Ramdeobaba College of Engineering & Management and the National Academy of Direct Taxes was held on May 26, 2023, at the Conference Hall, Ground Floor, ATC Building, NADT-Nagpur.

The MoU was signed by Mr. Rajendra Purohit, General Secretary, RCOEM & Dr. Sanjay Puri, Pr. Director General (Training), NADT in presence of the following delegates Dr. Rajesh Pande, Principal, RCOEM, Dr. Rajiv Khaire –Dean-III Cell, RCOEM, Dr. Preeti Voditel, HoD, MCA, RCOEM, Mr. Gaurav Mundhada, Manager-III cell, Mr. Mayank Mishra, Addl. Director, NADT, Mr. Akshay Tapadiya, Deputy Director (I&CT) NADT.

The objective of MoU is to seek expertise of Faculty Resources of either Institute. Faculty Members of RCOEM will be identified as a Resource person FOR various training programme to be conducted by NADT. Services of resource person from NADT will be sought for improving the understanding of Direct Tax for the benefits of Students & Faculty of RCOEM.



2. Memorandum of Understanding Between Shri Ramdeobaba College of Engineering & Management (RCOEM) and Bharatiya Vidya Bhavan, Nagpur Kendra (BVB)

The signing ceremony of a Memorandum of Understanding between Shri Ramdeobaba College of Engineering & Management and Bharatiya Vidya Bhavan, Nagpur Kendra was held on June 21st, 2023, at Bharatiya Vidya Bhavan School, Civil Lines Nagpur.

The MoU was signed by Dr. Rajesh Pande, Principal, RCOEM & Mrs. Annapoorni Shashtri, Director, Bharatiya Vidya Bhavan, Nagpur Kendra in Presence of Mr. Rajendra Purohit, Mr. Jimmy Rana, Dr. Sunanda Sonarikar Executive members of Bharatiya Vidya Bhavan, Nagpur Kendra along with Dr. Rajiv Khaire, Dean-III Cell-RCOEM, Mr. Gaurav Mundhada, Manager-III Cell-RCOEM, Mr. T.L. Raja, Joint Director, BVB, Mr. Vijay Thakre, Registrar- BVB

The objective of MoU is to provide to students of either Institute to upgrade their skill sets. It is envisaged that students of RCOEM will get an opportunity to learn courses of Liberal Arts from the expert faculties of Kalasarjan, a sister concern of Bharatiya Vidya Bhavan. It is also envisaged that the students of Bharatiya Vidya Bhavan, Nagpur Kendra will get training on latest trends in technology along with advance course in Engineering & Technology as per their requirements which will be delivered by expert Faculty of RCOEM.



3. **Signing of Memorandum of Understanding Between Shri Ramdeobaba College of Engineering & Management (RCOEM) and The Rajiv Gandhi Science and Technology Commission (RGSTC)**

Memorandum of Understanding between Shri Ramdeobaba College of Engineering & Management and The Rajiv Gandhi Science and Technology Commission was signed on 23rd June, 2023.

The MoU was signed by Mr. Rajendra Purohit, General Secretary, RCOEM & Dr. Narendra Shah, Member Secretary, RGSTC, Mumbai.

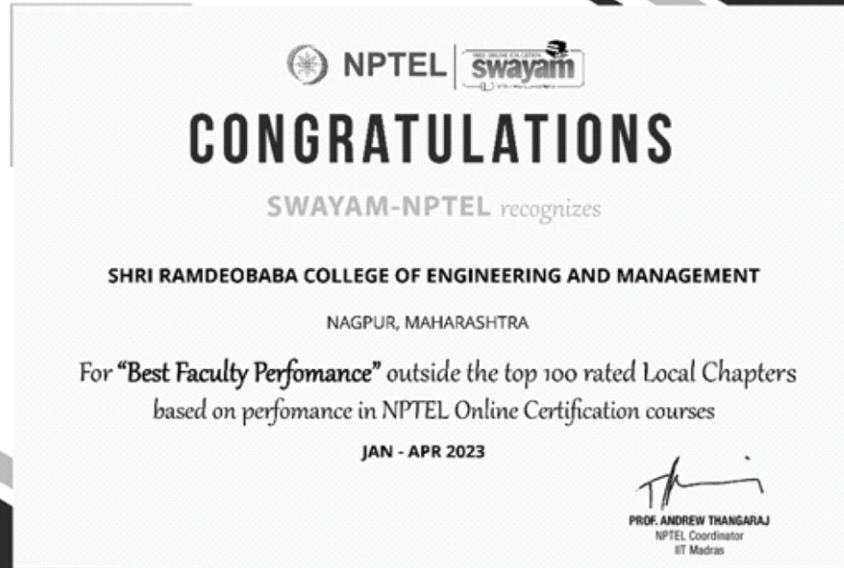
The Rajiv Gandhi Science and Technology Commission has developed a Scheme for providing Technical Support to the MSMEs by leveraging the Capabilities of Students and Faculty of Engineering & Technical Institutions, known as the RGSTC-MSME Internship Programme (RMIP).

As part of the RMIP Scheme, 30 students along with 1 Faculty Mentor of RCOEM will be undergoing 2 months' internship during Phase-I and selected students from Phase I will get opportunity of 6-month full semester internship for product development with funding up to Rs. 2.93 lakh per project.

SWAYAM- NPTEL Local Chapter Local Chapter Id: 1981

1. Recognition:

“Best Faculty Performance” certification outside the top 100 rated local chapters



Active Local Chapter Certificate Jan-April 2023



Active Local Chapter Certificate July-Dec 2022



Statistics :

- Course Topper Certificate (1 %,2 % and 5 % category):27
- Gold Category Certificates: 7
- Silver Category Certificates: 81
- Elite Category Certificates: 134
- Successfully Completed Certificates:66
- Total 288 candidates from RCoEM NPTEL Local Chapter have successfully completed the online examination.

Achievements :

1. Prof. Manisha Gaikwad, Assistant Professor, Department of Electrical Engineering has been recognized as NPTEL MOTIVATED LAERNER and NPTEL BELIEVERS for completing 75 % or more of the exams appeared for.
2. Prof. Bhussan Bissa, Assistant Professor, Department of Mechanical Engineering has been recognized as NPTEL BELIEVERS for certifying at least 4 exams in which he has appeared.
3. Prof. Sachin Deshmukh, Assistant Professor, Department of Mechanical Engineering has been recognized as NPTEL BELIEVERS for certifying at least 4 exams in which he has appeared.
4. Prof. Himanshu Shukla, Assistant Professor, Department of Management Technology has been recognized as NPTEL BELIEVERS for certifying at least 4 exams in which he has appeared.

5. Prof. Jyoti Chauhan, Assistant Professor, Department of Civil Engineering has been recognized as NPTEL BELIEVERS for certifying at least 4 exams in which he has appeared.
6. Prof. Rakshal Agrawal, Assistant Professor, Department of Mechanical Engineering has been recognized as NPTEL BELIEVERS for certifying at least 4 exams in which he has appeared.
7. Prof. Prachi Rane, Assistant Professor, Department of Electronics Engineering has been recognized as NPTEL BELIEVERS for certifying at least 4 exams in which he has appeared.
8. Prof. Shrawan Purve, Assistant Professor, Department of Biomedical Engineering has been recognized as NPTEL DISIPLINE STAR and NPTEL BELIEVERS for certifying at least 4 exams in which he has appeared and completing more than 50 weeks of learning in same discipline.
9. Prof. Prachi Rane, Assistant Professor, Department of Electronics Engineering has been recognized as NPTEL BELIEVERS for certifying at least 4 exams in which he has appeared.
10. Prof. Shailesh Kumar Birthariya, Assistant Professor, Department of Electronics Engineering has been recognized as NPTEL BELIEVERS for certifying at least 4 exams in which he has appeared.
11. Prof. Aarti Vaidya, Assistant Professor, Department of Electronics Engineering has been recognized as NPTEL BELIEVERS for certifying at least 4 exams in which he has appeared.
12. Prof. Shrawan Chandak, Assistant Professor, Department of Management Technology has received Mentor certificate for the course Leadership and Team Effectiveness for the Jan-April 2023 run.
13. Prof. Shrawan Chandak, Assistant Professor, Department of Management Technology has received Mentor certificate for the course Strategic Management – The Competitive Edge for the July-Dec 2022 run.

List of Candidates Secured Certificates in Topper Category

S.No.	Name of Candidate	Course Name	Department	Certificate Category
1	Sujit A Patil	Cooling Technology: Why and How utilized in Food Processing and allied Industries	Mechanical Engineering	Topper of 1% in this course (Elite+ Gold)
2	Pravin Dwaramwar	Patent Law for Engineers and Scientists	Electronics Engineering	Topper of 1% in this course (Elite+ Gold)
3	Sagarika Jaywant	Social Networks	Computer Science	Topper of 1% in this course (Elite+ Gold)
4	Dr Ashish Urade	NBA Accreditation and Teaching and learning in Engineering (NATE)	Mechanical Engineering	Topper of 1% in this course (Elite+ Gold)
5	Rashmi Shahu	Outcome Based Pedagogic Principles For Effective Teaching	Industrial Engineering	Topper of 1% in this course (Elite+ Gold)
6	Pravin Dwaramwar	Patent Drafting for Beginners	Electronics Engineering	Topper of 1% in this course (Elite+ Gold)
7	Tanmay Salodkar	Organizational Behaviour	Civil Engineering	Topper of 2% in this course (Elite+ Silver)

8	Bhushan C Bissa	Introduction to Research	Mechanical Engineering	Topper of 5% in this course (Elite+ Silver)
9	Harsh Shrirame	Social Networks	Computer Science	Topper of 5% in this course (Elite+ Silver)
10	Prachi Parag Rane	Introduction to Research	Electronics Engineering	Topper of 5% in this course (Elite+ Silver)
11	Tanmay Pawan Bisen	Social Networks	Computer Science	Topper of 5% in this course (Elite+ Silver)
12	Navya Verma	Social Networks	Computer Science	Topper of 2% in this course (Elite+ Silver)
13	Rajesh B Raut	Patent Law for Engineers and Scientists	Electronics & Communication Engineering	Topper of 5% in this course (Elite+ Silver)
14	Shailesh BIRTHARIYA	Introduction to Research	Electronics Engineering	Topper of 5% in this course (Elite+ Silver)
15	Akshat Surana	Social Networks	Computer Science	Topper of 2% in this course (Elite+ Silver)
16	Yoginee S. Pethe	Outcome Based Pedagogic Principles For Effective Teaching	Computer Science	Topper of 5% in this course (Elite+ Silver)
17	Aparna Gurjar	Outcome Based Pedagogic Principles For Effective Teaching	Computer Science	Topper of 2% in this course (Elite+ Silver)
18	Jyoti Chouhan	Research Methodology in Natural Sciences	Civil Engineering	Topper of 5% in this course (Elite+ Silver)
19	Bhushan Upwanshi	Cloud Computing	Mechanical Engineering	Topper of 5% in this course (Elite+ Silver)
20	Aditya Dwivedi	Cloud Computing	Electronics Engineering	Topper of 5% in this course (Elite+ Silver)
21	Priyansh Prashant Ragit	Cloud Computing	Electronics & Communication Engineering	Topper of 5% in this course (Elite+ Silver)
22	Dr Sanjay B Pokle	NBA Accreditation and Teaching and learning in Engineering (NATE)	Electronics & Communication Engineering	Topper of 5% in this course (Elite+ Silver)
23	Akhilesh Kotwaliwale	Research Methodology in Natural Sciences	Electronics Engineering	Topper of 5% in this course (Elite+ Silver)
24	Aarti Ashok Vaidya	Introduction to Research	Computer Science	Topper of 2% in this course (Elite+ Silver)
25	Rakshal Agrawal	Introduction to Research	Industrial Engineering	Topper of 5% in this course (Elite+ Silver)
26	Abhijeet Ramesh Raipurkar	Blockchain and its Applications	Computer Science	Topper of 5% in this course (Elite)
27	Pratik Yuvraj Yawalkar	Computer Vision and Image Processing - Fundamentals and Applications	Computer Science	Topper of 5% in this course (Elite)

RCOEM NPTEL Local Chapter thanks and appreciate efforts of all the candidates while completing the task.

Department of Biomedical Engineering

Students' Accomplishments

- Final year EDT Students Ashish Tripathi, Pratik Bhatia, Shivkumar Yadav attended 8th International Conference for Convergence in Technology (I2CT) (Online) from 7th to 9th April and presented a paper titled Analysis of Various Piezoelectric Materials for Energy Harvesting Device with Frequency Up-Conversion Technique.
- Final year EDT Students Ashish Tripathi, Priyanka Mhaske, Pratik Bhatia attended 8th International Conference for Convergence in Technology (I2CT) (Online) from 7th to 9th April and presented a paper Micromodel Simulation Of Piezoelectric Energy Harvesting With Frequency Up-Conversion Device

Faculty Corner

- Dr. (Mrs) J.P. Kalambe, attended 8th International Conference for Convergence in Technology (I2CT) (Online) from 7th to 9th April and presented a paper Analysis of Various Piezoelectric Materials for Energy Harvesting Device with Frequency Up-Conversion Technique
- Prof Jitendra Zalke, and Prof. Anju Gupta attended 8th International Conference for Convergence in Technology (I2CT) (Online) from 7th to 9th April and presented a paper Micromodel Simulation Of Piezoelectric Energy Harvesting With Frequency Up-Conversion Device
- Prof. Anju Gupta attended 8th International Conference for Convergence in Technology (I2CT) (Online) from 7th to 9th April and presented a paper Micromodel Simulation Of Piezoelectric Energy Harvesting With Frequency Up-Conversion Device
- Dr.(Mrs) J.P.Kalambe, Dr. J.A.Shrawankar, Dr. V.E.Khetade attended a one day workshop on 'Role of Accreditation on Institution Building: an NEP 2020 Perspective on 30th April
- Prof Jitendra B. Zalke completed an FDP and 12 weeks NPTEL online course on NBA Accreditation and Teaching and Learning in Engineering (NATE) from Jan to April 2023.
- Dr. J.A Shrawankar organized Two days Workshop on Biomedical Instrumentation from 22 June to 23rd June.
- Prof. Jitendra B.Zalke organized a soft skill development workshop for third year students on 11th, 25 March and 1 April, 2023

Capacity building activities



Figure 1 Technical Lecture on Biosensors by Mr. Satyam Sarmah- Research Park- IIT G

Biogenesis Society of Department of Biomedical Engineering, RCOEM has organized a technical session on Biosensor which was delivered by Mr. Satya Sarma (IIT, Guwahati, Research Park). The session was organized for III-year students of Biomedical engineering students. Mr. Sarma explained the role of Biosensors in medical research and its use for detection and diagnosis in medical science. He also introduced about the design and development of sensors and its use in medical fraternity. The session ended with vote of thanks by Prof. Ambarish Deshpande. The Lecture was beneficial for the students as the concept can be inculcated in research.



Figure 3 Session on Machine Learning by Dr. Shailendra Awate

Biogenesis Society of Department of Biomedical Engineering, RCOEM has organized a technical session on Machine Learning which was delivered by Dr. Shailendra Awate (Department of Computer Science and Engineering, RCOEM). The session was organized for III-year students of Biomedical engineering students. Dr. Awate explained the concept of Machine learning and introduced various clustering and machine learning algorithm to the students. He also covered different techniques of machine learning and its algorithm.



Figure 4 Session by Dr Ashutosh Bagade on Translating Biomedical Research

Biogenesis Society of Department of Biomedical Engineering, RCOEM has organized a technical session on Machine Learning which was delivered by Dr. Ashutosh Badge (DMIMS, Wardha). The session was organized for III-year students of Biomedical engineering students.



Figure 5 Guest Lecture on How to Write Research Paper by Prof. Sangeeta Palekar

Biogenesis Society of Department of Biomedical Engineering, RCOEM has organized a technical session on Machine Learning which was delivered by Prof. Sangeeta Palekar- Research Scholar- Centre of Microsystem. The session was organized for III-year students of Biomedical engineering students. The students enthusiastically participated and got to know the nuances of technical writing in this session



Dr Pushkaraj Admane from Horiba Instruments Delivered a Preplacement Talk on Careers and Internship Opportunities

Dr. Pushkaraj Admane from Horiba Instruments gave a pre placement talk to Sixth semester students of Biomedical Engineering. He briefed the students about Horiba India Technical Institute (HITI) and the various courses offered for to the students. He also gave an insight about the working of Horiba Instruments and internship and learning opportunities students can avail with Horiba

INDUSTRIAL VISIT AT HORIBA INDIA TECHNICAL INSTITUTE



Department of Biomedical Engineering, RCOEM organised Industry Visit to Horiba India Private LTD. Located at MIDC, Butt Ibori, is a manufacture of biomedical devices and instruments. The visit was planned on 17th May 2023 at 9:00AM for the II- and III-year students of Biomedical Engineering Department. Mr. Aniket Marketing Manager at Horiba introduced the students and faculty members with the manufacturing and R & D team of Horiba. The Visit started with opening remarks and welcome by Dr. Pushkaraj Admane of R & D team followed by exposure to different departments like manufacturing, production, quality check and R&D. Various high throughput instruments and their working are demonstrated by the team. The students were also benefited with the internship opportunity at Horiba and understood the culture of Industry in context to professional environment. The overall visit was beneficial for the students and helped to build better relations with the industry in reference to placement and internship opportunities.

Parent Teacher Meeting on 17th June 2023 for IV Semester



Figure 6 Parent Teacher meeting for IV Semester students on 17th July

Parent Teacher Meeting for IV semester students was organized on 17th June at 11.00 AM. The parents attended the meeting and suggestions were invited from them for improvement in curriculum process and other aspects of teaching learning process. They were also made aware about the progress of their ward and attendance.

Department of Civil Engineering

Faculty Corner

Faculty Ph. D. Awarded: Dr. V. J. Rajurkar

Guest Lectures taken by faculty :

1. Dr. A. K. Sharma has delivered a lecture on Sustainable Development in Civil Engineering on 2nd May'23, JD College of Engineering.
2. Dr. V. J. Rajurkar has delivered a lecture on Sustainable Development in Civil Engineering on 2nd May'23, JD College of Engineering.

Publications

Dr. P. P. Dahale, S. S. Geete, P. D. Hiwase have published a paper titled 'Experimental studies on use of bamboo mat as stone column encasement in clayey soils' in *Materials Today: Proceedings* with ISSN 2214-7853, (Scopus).

STTP/FDP/other Training Attended by Faculty

1. Dr. R. N. Khapre, Prof. H. P. Khungar, Prof. V. J. Rajurkar, Prof. V. R. Harne, Dr. A. M. Gharad, Dr. P. P. Dahale, Prof. S. S. Geete, Dr. Tripti Gupta, Dr. A. A. Mehta, Prof. L. R. Gangwani, Dr. S. P. Siddh, Dr. P. D. Hiwase have completed FDP course on NBA Accreditation and teaching and learning in Engineering (NATE) from January to April 2023 organized by NPTEL.
2. Dr. R. N. Khapre, Dr. S. P. Siddh, Prof. H. P. Khungar, Dr. P. D. Hiwase, Dr. P. D. Pachpor, Prof. V. R. Harne, Dr. A. M. Gharad have attended Hands-on Training on Analysis & Design of RC and Prestressed Concrete Bridges using MIDAS Civil Software from 1st -3rd June 2023, organised by Civil Engineering Department, RCOEM, Nagpur.
3. Dr. T. B. Gupta has attended FDP on Sustainable Development in Civil Engineering from 2nd -6th May 2023 organised by JD College of Engineering, Nagpur.
4. Dr. M. S. Kadu, Dr. V. J. rajurkar, Prof. S. S. Geete have attended Laboratory System and Internal Audit Training as per ISO/IEC 17025:2017 from 23rd -24th May 2023 organised by Training and Capacity Building (TCB) Cell, Quality Council of India
5. Prof. V. R. Harne, has attended STTP on Innovations in Construction Materials and Practices from 26th -30th June 2023 organised by Department of Civil Engineering, NIT Jalandhar.
6. Dr. S. P. Siddh has done Online Internship on RESEARCH TRAINING from 31st March – 4th May 2023 organised by MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC).

Departmental Activities

“Hands-on Training on Analysis & Design of RC and Prestressed Concrete Bridges using MIDAS Civil Software” has been organised by Dr. S. P. Siddh from 1st June to 3rd June 2023.

Industrial Visits

Site visit for M.Tech. Structural Engineering IInd Semester students was conducted at RIAAN Corporate Park, Near LIC Square Nagpur. This visit was conducted to make students aware of Construction techniques of Prestressed Concrete Slab. It was conducted on 3rd May 2023.



Parents Meet, Alumni Meet and Departmental Installations or Events

A Parent – Teacher Meet was organized by the Civil Engineering Department on June 17, 2023 (Saturday) from 11.00 a.m. to 12.30 Noon through offline mode for the current session 2022-23 (Even Sem,) of Civil Engg. B.Tech IV semester students. The meeting was addressed by, Head of the Department, Dr. M. S. Kadu. This meet received a very good response from the parents of IV semester students. 12 parents attended the offline meet and interacted openly.



A Parent – Teacher Meet was organized by the Civil Engineering Department on April 8, 2023 (Saturday) from 11.00 a.m. to 12.30 Noon through offline mode for the current session 2022-23 (Even Sem, VI Sem). The meeting was addressed by Dr. S.V. Joshi. It was attended by subject teachers and different portfolio in-charges of the department. This meet received a good response from the parents of VI semester students. 5 parents attended the offline meet and interacted openly.

Conference, STTP and Guest Lectures organized in Department.

1. “Hands-on Training on Analysis & Design of RC and Prestressed Concrete Bridges using MIDAS Civil Software” has been organised by Dr. S. P. Siddh from 1st June to 3rd June 2023.



2. Guest Lecture organised on Application of Geoinformatics in Ground Water Management delivered by Dr. Chandan Kumar Singh, Assistant Professor, NIT Raipur on 13-Apr-2023

Students' Corner

Toppers List (Combined list of two shifts) if applicable

Sr.No.	Second Year Based on III Sem SGPA	Third Year Based on VthSem CGPA
1	Kartikjunghare (9.92)	AditiJagdishDekate (10) RajlaxmiShrikantShinde (10)
2	ShantanuAmbadkar (9.88)	RidhiRanaranvijay Singh (9.67)
3	DishaDahare (9.67)	DhruvTarunKacha (9.25)

Student Achievements

iCopyright has been published by on PYTHON PROGRAM FOR APPLICATION OF THREE MOMENT THEOREM by Dr. Rajendra N. Khapre , Prof. Laxmi R. Gangwani , along with UG final year students Mr. Vishal Mokati , Mr. ShubhamLaddha , Ms. Pratigya Singh.

Students in Higher Studies.

The graduating students from the Civil Engineering department of B.E. have pursued various avenues for higher education. They have chosen to pursue master's courses abroad, specializing in technical fields at renowned institutions such as ISC, IIT, NIT, and other reputable colleges. In addition, some students have opted to pursue management courses in Construction Management and MBA programs.

Department of Computer Science and Engineering

Faculty Corner

Guest Lectures delivered by Faculty

1. Dr. A. R. Raipurkar delivered the session as Expert Speaker in a Six-Day Online Faculty Development Program on “AI and ML in Cyber Security” organized by the Department of Computer Science and Engineering/CSE-Artificial Intelligence on 26th April 2023 at JDCOE, Nagpur
2. Dr. Rashmi Welekar delivered a guest lecture on 19th April, 2023, at Regional Training Institute, Indian Audit & Accounts Department on topic “IT Security and Cyber Law”

Publications by Faculty

1. Prof. Dilip Kumar A. Borikar published a paper titled ‘An Experimental Case Study on the Effect of Condenser Geometry in a Refrigerator: Sub-Cooling and Coefficient of Performance Issues’ in International Journal of Refrigeration, ISSN: 0140-7007, Vol. 148, (April-2023), Scopus.
2. Dr. Rashmi Welekar published a paper titled ‘Meditation accuracy detection system using deep learning in Multimedia Tools and Applications’, ISSN: 1573-7721, (April-2023), Scopus.
3. Prof. Santosh Kumar Sahu published a paper titled ‘Commercial Clustering of Indian Bamboo Species Using Machine Learning Techniques’ in ‘International Conference on Paradigm Shifts in Communications Embedded Systems, Machine Learning and Signal Processing (PCEMS)’, organized by VNIT, Nagpur (April-2023), IEEE.
4. Prof. Priya Parkhi published a paper titled ‘Machine Learning Based Prediction Model for College Admission’ in ‘International Conference on Emerging Trends in Engineering and Technology’ ICETET organized by G.H. Raisoni College of Engineering, Nagpur (April-2023), IEEE.
5. Prof. Shrawan J. Purve and Prof. Purva Gogte published a paper titled ‘Stack and Queue based parser Approach for parsing Expression Grammar’ in ‘International Conference on Emerging trends in Engineering and Technology’, ICETET organized by G.H. Raisoni College of Engineering, Nagpur (April-2023), IEEE.
6. Prof. Purva Gogte and Prof. Shrawan Purve published a paper titled ‘Survey: An IOT Based Approach for Hybrid Security Management in Health Care for Secure Cloud Storage’ in ‘International Conference on Emerging Trends in Engineering and Technology’, ICETET organized by G.H. Raisoni College of Engineering, Nagpur (April-2023), IEEE.
7. Prof. Pranali R. Dandekar published a paper titled ‘MPSDYF: Design of an augmented Multimodal technique for Prediction of Soil quality to analyze crop Diseases, Yield and recommend Fertilization operations’ in ‘International Conference on Communication, Circuits and Systems’ organized by Kalinga Institute of Industrial Technology, Orissa, (May-2023), IEEE.
8. Prof. Neha Zade published a paper titled ‘Machine Learning Algorithm for Early Detection and Analysis of Brain Tumors Using MRI Images’ in ‘International Journal on Recent and Innovation Trends in Computing and Communication’, ISSN: 2321-8169, (May-2023), Scopus.

9. Prof.Rasika Sachin Golhar published a paper titled 'Trade flow estimation between global economics using machine learning techniques' in 'Journal of Aeronautical Material', Vol-43, ISSN:1005-5053, (May-2023), Scopus.
10. Dr.Avinash Agrawal published a paper titled 'A Critical Study of Pragmatic Ambiguity Detection in Natural Language Requirements' in 'International Journal of Intelligent Systems and Applications in Engineering', (June-2023), Scopus.
11. Prof.Durgesh M Sharma published a paper titled 'Maximizing blockchain security: Merkle tree hash values generated through advanced vectorized elliptic curve cryptography mechanisms' in 'Concurrency and Computation: Practice and Experience, Wiley', ISSN:1532-0634, (June-2023), Scopus.
12. Dr.Avinash Agrawal published a paper titled 'A system to predict mental depression using Natural Language Processing' in 'European Chemical Bulletin', ISSN:2063-5346, (June-2023), Scopus.
13. Prof.Aarti Karandikar, Dr.RashmiWelekar published a paper titled 'Online Voting System Using Blockchain Technology' in 'European Chemical Bulletin', ISSN:2063-5346, (June-2023), Scopus.
14. Dr.Rashmi R. Welekar published a paper titled 'Bitcoin Price Prediction and NFT Generator Based on Sentiment Analysis' in 'European Chemical Bulletin', ISSN:2063-5346, (June-2023), Scopus.
15. Dr. Manoj Chandak published a paper titled 'Hybrid GAR: A Novel Approach For Sentiment Analysis On Twitter Using Gated Attention Recurrent Network' in 'European Chemical Bulletin', ISSN:2063-5346, (June-2023), Scopus.
16. Dr.RamchandHablani, Dr.Shailendra. S. Aote published a paper titled 'Creative Fashion Generation using Conditional Generative Adversarial Networks' in 'European Chemical Bulletin', ISSN:2063-5346, (June-2023), Scopus.
17. Dr.Ramchand Hablani, Dr.Shailendra. S. Aote published a paper titled 'Creative Fashion Generation using Conditional Generative Adversarial Networks' in 'European Chemical Bulletin', ISSN:2063-5346, (June-2023), Scopus.
18. Dr.Shailendra Aote published a paper titled 'Text to Image Generation using Stable diffusion' in 'European Chemical Bulletin', ISSN:2063-5346, (June-2023), Scopus.
19. Dr.Shailendra Aote published a paper titled 'Text to Image Generation using Stable diffusion' in 'European Chemical Bulletin', ISSN:2063-5346, (June-2023), Scopus.
20. Dr.Shubhangi Neware published a paper titled 'Automated system for cry analysis and pain assessment in neonates and infants', in 'European Chemical Bulletin', ISSN:2063-5346, (June-2023), Scopus.
21. Prof.Sruthi Nair published a paper titled 'Space Debris Analysis in the age of AI' in 'European Chemical Bulletin', ISSN:2063-5346, (June-2023), Scopus.
22. Prof.Purva Gogte published a paper titled 'BMSQABSE: Design of a Bioinspired Model to Improve Security & QoS Performance for Blockchain-Powered Attribute-based Searchable Encryption Applications' in 'International Journal on Recent and Innovation Trends in Computing and Communication', ISSN:2321-8169, (June-2023), Scopus.

STTP/FDP/other Training Attended by Faculty

1. Prof.Nisha Dable, Prof.Bhagyashree Madan, Prof. Nikita Kataria attended an FDP on “Application of Data Science in Real World” from 17 April to 22 April 23 organized by JD College of Engg, Nagpur.
2. Prof.WaniBisen, Prof. Santosh Kumar Sahu, Prof.Durgesh Sharma, Prof.Shruti Nair attended an FDP on “Machine Learning for Data Science” from 25 April to 10 May 2023 organized by NIT Warangal.
3. Prof.Rina Damdoo attended a Conference on “Innovation in Engineering, Technology, Science and Management” from 12 to 13 May 2023 organized by JIT, Nagpur.
4. Bhagyashree Hambarde attended a MOOC Course (Coursera) on “Linear Algebra for Machine Learning and Data Science” on 5 May 2023 (21 hrs) organized by DeepLearning.AI.
5. Bhagyashree Hambarde attended a MOOC Course (Coursera) on “Calculus for Machine Learning and Data Science” on 11 May 2023 (25 hrs) organized by DeepLearning.AI.
6. Bhagyashree Hambarde attended a MOOC Course (Coursera) on “Probability & Statistics for Machine Learning & Data Science” on 6 June 2023 (28 hrs)” organized by DeepLearning.AI.
7. Dr.Charanjeet Dadiyala attended an Online Short-Term Course on “Machine Learning and Applications” from 29 May to 2 June 2023 organized by NIT Warangal
8. Dr.Charanjeet Dadiyala, Prof.Neha Tirpude, Prof.Ashwini Zadgaonkar, Prof.Hirkani Padwad, Prof.PriyaParkhi, Prof.Sruthi Nair, Prof.Wani Bisen attended a Workshop on “Innovative pedagogical practices to develop effective E-Content” on 08-04-2023 organized by RCOEM, Nagpur
9. Dr.Rashmi Welekar, Prof. A. M. Karandikar attended FDP on “Machine Learning and Deep Learning: Recent Trends and Applications” from 1 May to 5 May 2023 organized by the Department of CSE, O. P. Jindal University, Raigarh
10. Prof. D. A. Borikar attended Training on “Innovation Ambassador (IA) - “Foundation Level” from 5 April to 13 April 2023 organized by MOE's Innovation Cell & AICTE
11. Prof. A. M. Karandikar attended FDP on “Machine Learning and Deep Learning: Recent Trends and Applications” from 1 May to 5 May 2023 organized by Department of CSE, O. P. Jindal University, Raigarh
12. Prof. K. Kalambe attended NPTEL on “Research Methodology in Natural Science” organized by IIT Madras Jan 2023 to April 2023
13. Prof.Neha Tirpude, Prof.Heena Agrawal, Prof.Khushboo Khurana& Dr.Vasundhara Rathod attended an Online Short-Term Course on “Artificial Intelligence Machine Learning and Deep Learning Applications” organized by Dept. of CSE, NIT Warangal and Dept. of I.T, JNTUH University College of Engineering, Science & Technology, Hyderabad in association with CCE, NIT Warangal, from 31 March to 4 April 2023
14. Dr.Yogesh Thakre attended STTP on “Machine Learning and Applications” from 29 May to 20 June 2023 organized by NIT, Warangal
15. Prof.Firdous Sadaf M. Ismail attended NPTEL course on “Research Methodology in Natural Science” organized by NPTEL IIT Madras Jan 2023 to April 2023
16. Prof.Firdous Sadaf M. Ismail attended FDP on “Cloud Computing” organized by G. H. Raisoni College of Engineering and Technology, Nagpur from 22 May 2023 to 27 May 2023

Faculty Internships/Industry Training

The following table shows the list of 17 Faculty members acting as Mentors for 9 academy programs under Edu Skills and 11 faculties have completed their EduSkills academic training programmes and other's training has been scheduled soon.

Sr. No.	Academy Name	Faculty Mentors
1	AWS Academy Program	Pratik Agrawal
		Heena Agrawal
		Pravin Sonsare
2	Palo Alto Cybersecurity Academy	Rashmi Welekar, Praful Pardhi
3	Alteryx Sparked Academic Program	Aarti Karandikar, Kanak Kalyani
4	Juniper Cloud Academic Program	Charanjeet Dadiyala, Hirkani Padwad
	Juniper Network Academic Program	Rashmi Welekar, Devishree Naidu
5	Celonis Academic Program	Neha Tirpude, Vasundhara Rathod
6	Blue Prism Academic Program	Shubhangi Neware, G. Nikhade
7	Microchip Academic Program	Yogesh Thakare, Sruthi Nair
8	Fortinet Academic Program	Firdous Sadaf
9	UIPath Academic Program	Harshala Shingane

Departmental Activities

Consultancy

The Consultancy amount generated by CSE department till June-2023 is INR 4,23,000/-.

Parents' Meet

The Parent-Teacher Meet was conducted at the Department of Computer Science & Engineering on 15 April, 2023 for VI Semester CSE and on 17 June, 2023 for IV Semester. The meeting was commenced by Dr. A. J. Agrawal, Head of the Department, CSE. The Head of the Department and Programme Coordinators interacted with the parents and students and discussed students' achievements which included prominent achievements of CSE students, results, placement activities, internships, and elevated alumni positions during the meeting. The Class in-charges and Course Coordinators provided parents with the general observation about their ward's performance in the Internal Tests. The parents also discussed the problems and suggestions for improvement in the subjects with the respective subject teachers. Parents' concerns regarding student placement were also addressed. The parents filled out the feedback form and suggested various ways of improvement. Parents were convinced and offered their support regarding student activities and development to the department. Overall, it was a successful event with a lot of input and praises from the parents.

Departmental Events for Students

BY GFG CHAPTER

The GFG Weekly Coding Contest

The Geeks-For-Geeks organized an online Coding Contest named "The GFG Weekly Coding Contest" as a part of their special edition of 100th week of coding contest. The main aim of the contest was to introduce students to the competitive coding environment. The questions in the contest were designed to be easy to understand, making it a beginner level coding contest. The participants were required to solve the competitive programming questions within a specific time frame, giving them a taste of a real competitive coding contest. The contest was conducted on 30 of April 2023 in an online mode through the Geeks-for-Geeks platform. A total of 90 participants participated in "The Easiest Ever Coding Contest".

API 101

The seminar was conducted in the college auditorium and was attended by 140 students from various departments. The event started with a brief introduction of API and its importance in the current technological scenario. The speaker Mr. Kush Munot emphasized on the significance of APIs in today's applications and how it can help in building better softwares. The second part of the seminar focused on hands-on experience on the tool Postman. The speaker gave a detailed explanation of Postman's features and how it can be used to develop and test APIs. The students were guided through the process of creating a new API request. The last part of the seminar was a Q&A session, where students had the opportunity to clarify their doubts and ask questions related to the seminar's topics. It was a 1.5 hours long event which was interactive as well as fun for the students.



API 101

BY COMPUSYS ***MANZAR-2023***

COMPUSYS, the student society of CSE Dept., organized Manzar-2023 an event to introduce the II-year students to the department during 17-24 April 2023. Eminence- a 4-round competition assessing decision-making, aptitude, social skills, & current affairs knowledge was conducted to adjudge Ms. CSE and Mr. CSE for 2023. The music & dance competitions added vibrancy to Manzar-23 featuring instrumental, duet, solo, and group performances. The highlight of Manzar was the section-wise Sports Cup that fostered camaraderie through Cricket, Volleyball, Lagori, Basketball, & Tug-of-War tournaments. The photography competition showcased students' skills in capturing landscapes, portraits, light, and shadows. The website development challenge encouraged collaboration and creativity in web development. The event concluded with a valedictory session crowning CSE(AIML) Section-E as the best section. The awardees were felicitated at the hands of Dr. A. J. Agrawal, HoD, CSE. Manzar-23 provided a platform for CSE students to shine in intellectual, artistic, athletic, and technological pursuits.



BY BLOCKCHAIN CHAPTER

RCOEM Blockchain Chapter - COHORT 1

COHORT 1, held on April 11&12, was an exclusive training program for Blockchain RCOEM Chapter members, led by mentors Ayush Shete & Sunishka Malviya. The participants gained a comprehensive understanding of blockchain technology, including its types, peer-to-peer networks, Ethereum's features, block mining, consensus algorithms (such as PoW and PoS), & the role of cryptography. Day 2 focused on Solidity, the programming language for Ethereum smart contracts, covering the Remix development environment, basic Solidity elements, and concepts like constructors, function modifiers, & error handling.



COHORT 1

RCOEM Blockchain Chapter - COHORT 2

Following the success of COHORT 1, COHORT 2 took place on April 18 and 19, 2023, under the guidance of mentors Ayush Shete and Sunishka Malviya, with a wider audience. The program followed a similar structure, with the first day focusing on foundational blockchain concepts and the creation of MetaMask accounts, while the second day offered practical exercises on Solidity and the development of smart contracts on the Ethereum platform to provide participants with hands-on experience.



Image 4: COHORT 2

RCOEM Blockchain Chapter - COHORT 3

COHORT 3, mentored by Aditya Bhattad and Harsh Gupta, took place on April 18 and 19th, 2023 alongside COHORT 2. The program offered participants a two-day curriculum, covering foundational blockchain concepts on the first day and practical experience in writing and testing smart contracts using Solidity on the second day, utilizing the Remix development environment.



COHORT 3

RCOEM Blockchain Chapter - COHORT 4

COHORT 4, led by mentors Ayush Shete and Sunishka Malviya, ran concurrently with COHORT 2 and COHORT 3 on May 18th. The main focus of COHORT 4 was to equip participants with the knowledge and skills to create decentralized apps (DApps) through interactive workshops and hands-on exercises. Attendees learned about Ethereum, blockchain fundamentals, and Solidity, and practiced building DApps using tools like Remix and React JS for the frontend. The RCOEM Blockchain Chapter has successfully provided a conducive learning environment, empowering participants with foundational knowledge and practical skills for further exploration in the blockchain and decentralized application space.



COHORT 4

Lumos Labs Workshop

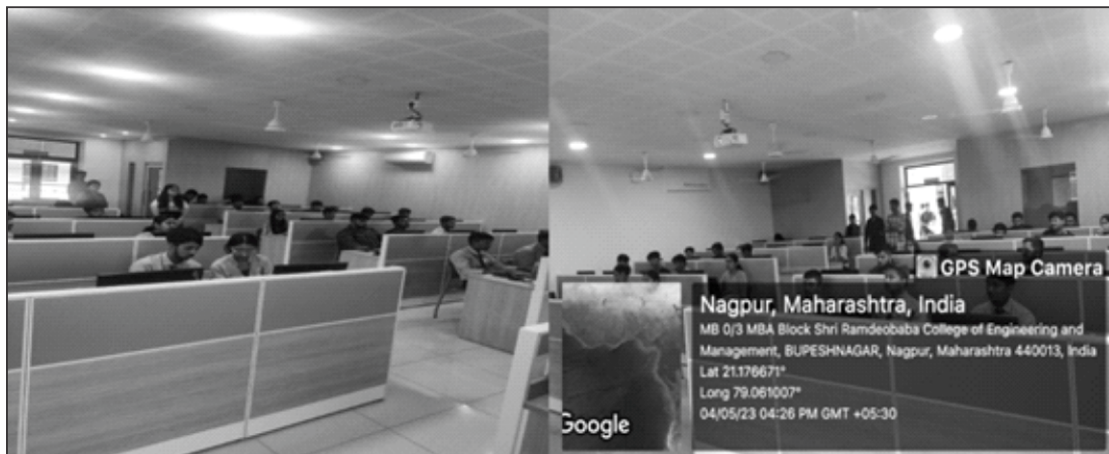
The Lumos Lab event on June 30, 2023, featured Nikhil Aparajit as the speaker, providing a concise overview of Web 3.0 and its benefits such as increased privacy and improved security. Attendees were introduced to key components of Web 3.0, including blockchain, DApps, smart contracts, NFTs, and DAOs. The event served as an excellent platform for learning about cutting-edge technologies, sparking thought-provoking discussions, and fostering collaboration among industry experts and enthusiasts.



Lumos Labs Workshop

BY ACM CHAPTER

RCOEM ACM student Chapter conducted a workshop on ‘Game Development and Version Control’ in collaboration with the Microsoft Learn Student Ambassador to ignite an interest in students for game development and help them understand better about git and GitHub. This event was organized on 4 May 2023 at the Data Science Lab, MBA department from 4:00 PM to 6:00 PM. The workshop was exclusively for RCOEM students and we received around 70+ registrations for the same. Around 43 students attended the event. This workshop was made interesting and learning was made easier by the provision of hands-on working of the GitHub software. Moreover, a step-by-step tutorial was given on developing a simple game using Unity software.



Workshop on Game Development and Version Control

By GDSC (Google Developers Students Club)

The Google Developers Students Club (GDSC), RCOEM chapter, organized an informative and engaging Web Development event from May 12 to May 21, 2023. The event focused on Front-end Development, Networking, and GitHub, aiming to equip participants with essential skills. Sessions were conducted both online and offline, providing a balanced learning experience. Participants enthusiastically delved into the world of web development and gained insights into HTML, CSS, JavaScript, and popular frameworks like Figma. The hands-on activities and support from the GDSC RCOEM team ensured a productive and immersive learning environment. The successful WEB-WIZARD event showcased the commitment of GDSC RCOEM to empower individuals in the field of technology, fostering a sense of community and collaboration among participants.



Event on Web Development

Conference, STTP and Guest Lectures organized in the Department

Sr. No.	Guest Lectures Organized	Speaker (with Affiliation)	Duration	Date
1	Resume building and Business Communication and Interview Preparation	Allan Abraham, Innovation, Incubator Manager, RCOEM T&P/R&D	4 Hours	25-Mar-23, 01-Apr-23
2	Campus Recruitment Training	Ms. Rutika Meshkar, R.U.S.T.A	4 Hours	01-Apr-23
3	Entrepreneurship, Startup and Softskills	Tejaswini Bhandarkar, Director and Founder of Teztecch	2 Hours	08-Apr-23
4	Big Data Analytics	Somil Deshmukh, Senior Technical Specialist with TCS	2 Hours	15-Apr-23
5	Engineering and Scientific Research writing	Dr. Jitendra Tembhurne	2 Hours	15-Apr-23
6	Mathematical Modelling and Software Applications	Dr. Aabha Sargaonkar, Sr. Principal Scientist at the National Environmental Engineering Research Institute	2 Hours	20-Apr-23
7	Automation in Manufacturing Industry	Mr. Ranjit Ingole	2 Hours	26-Apr-23

8	Exploring the Cybersecurity Career Landscape	Mr.Bhuwnesh Joshi, Official Cyber Security Consultant to Nagpur Rural Police, Nagpur	2 Hours	28-Apr-23
9	Data Analytics Tools (Power Bi and Tableau)	Animesh Kumar, Delivery Manager, NagarroPvt. Ltd.	2 Hours	29-Apr-23

Students' Corner

Toppers List

Programme : B. Tech. CSE

Sr. No.	III Semester	VIII Semester
	Name (CGPA)	Name (CGPA)
1	Godwin Shalom (10)	Anuragini Paunikar (10)
2	Sujal Agrawal (10)	Nidhi Misra (10)
3	Rashmi Kanharkar (9.93)	Sandesh Sachdev (9.9)

Programme: B.Tech.in CSE - DS, AIML, Cyber Security

Sr. No.	III Semester [CSE(Data Science)]	III Semester [CSE(AIML)]	III Semester [CSE(Cyber Security)]
	Name (CGPA)	Name (CGPA)	Name (CGPA)
1	Siya Gampawar (10)	Padmaja Sule (9.9)	Saloni Vishwakarma (10)
2	Ketan Polawar (10)	Priyanshu Sharma (9.66)	Kritika Bhattad (9.93)
3	Om Sangamwar (9.8)	Nidhi Manyam (9.62)	Priyanshi Acharya (9.29)

Students' Achievements

- Siddhant Jain, 6B CSE has been selected for participation in the Grand Finale of Singapore India Hackathon 2023, the prestigious international extravaganza to be hosted at IIT Gandhinagar, Gujarat, India during 13th -17th July 2023. This event will be inaugurated at the hands of Hon. Prime Minister, Shri Narendra Modi. Siddhant was the member of Team "Elysian" - the Winners of Smart India Hackathon (SIH) 2022, and also the member of the Winning Team at UNESCO India-Africa (UIA) Hackathon 2022
- Two student teams of CSE, 6B have been selected for the "Innovation, Design and Entrepreneurship (IDE) Bootcamp" organized by the Ministry of Education's Innovation Cell (MIC) and the All India Council for Technical Education (AICTE). The 2 teams are

Team-1 Elysian: Siddhant Jain and Tilottama Bhutada

Team-2 Atmanirbhar: Ayush Shete, and Pratiksha Ekbote

The IDE-bootcamp will be an intensive 5-days hands-on, experiential learning program where students will use multiple product design methodologies & inculcate design thinking concepts and get an action-based experience. It will allow the student teams to pitch/present their idea/innovation. CSE RCOEM teams participated at Guwahati centres for their bootcamp during 22-26 June 2023.



Innovation, Design and Entrepreneurship (IDE) Bootcamp

- Ketaki Tank [CSE(AIML)] won the I prize in Hackathon/Presentation
- Deepak Singh Kushwah [CSE(DS)] won the 1st prize for 4 X 400-meter relay in the inter-branch tournament at RCOEM on June 23, 2023
- Ayush Jain [CSE(CYSE)] qualified GATE CSE 2023 with All India Rank 13139
- CSE Data Science Student's Team "NiftyPerks" won at Scaling Ethereum Hackathon organised by Ethglobal. The Team received \$287 from Polybase and Push Protocol.

Team Members: Janhavi Katre, Khushi Kasat, Harsh Gupta (Team Leader), Prashant Prithyani, Ronik Parashar. Dr. Abhijeet Raipurkar was the Project Mentor and Mr. Rishikesh Kale is the Industry Mentor. NiftyPerks is a loyalty program that utilizes a points-based system to engage customers year-round, increase their lifetime value, and foster long-term relationships with the brand. This approach encourages customers to remain engaged and active with the business throughout the year, rather than just during specific seasons or promotional periods.



Students receiving award at TBI event

Students in Higher Studies

Sr. No.	Name of Student	Course Pursuing	Institution / University of Higher studies
1	Ashutosh Gupta	M.Tech	IIT Jodhpur
2	ChinmayShanbhag	MS	Indiana University
3	Nabeel	MS	Northeastern University
4	ShridharAshtikar	MS	Northeastern University
5	Tanishq Sharma	MS	Arizona State University
6	VaidikMurarka	MS	University of Massachusetts Dartmouth

Department of Electronics and Communication Engineering

Faculty Corner

Faculty PhD Awarded

Ankita Hitesh Harkare has been awarded PhD from IIIT, Nagpur for the thesis titled “Wideband Dielectric Resonator Antennas for C, X and K Bands.

Awards received by Faculty of department

1. Dr.Mridula Korde conferred upon the award of “Outstanding Teacher” bestowed by International Institute of Organized Research (I2OR) India which is a Registered MSME with Ministry of MSME, Govt. of India (UDYAM-PB-20-0002405).
2. Dr.Chithraja Rajan and Dr.Bhumika Neole got Visvesvaraya Best Paper award for the paper titled “Impact of Gate All Around Architecture in Polarity Based TFET with RF/Analog Analysis” in the 2nd International Conference on PCEMS-2023 organised by VNIT held during 5th -6th April 2023.



Dr. Chithraja Rajan and Dr. Bhumika Neole received Visvesvaraya Best Paper award

Publications

1. Dr. S. B. Pokle presented a research paper titled, “Remotely Accessed Smart CCTV System using Machine Learning” in Seventh International Congress on Information and Communication Technology for Intelligent Systems ICTIS 2023, Organized by GR Foundation, Ahmedabad, on 27-28 April, 2023. (Scopus Conference).
2. Rajesh B. Raut, Vusa Lakshmi Parvathi, Anil Rajput, Biswajeet Mukherjee, A Novel Low-profile Rectangular Dielectric Resonator Antenna with enhanced gain for 5G New Radio band applications, Microwave and Optical Technology Letters (SCI), Volume65, Issue9, Pages 2572-2580, September 2023. <https://doi.org/10.1002/mop.33739>.
3. Dr.Pallavi Parlewar, Grishma Acharya, Akshat Joshi, Ishita Jain, Palak Gupta, Siddhant Kumar presented a research paper titled, “Saliency detection using Wavelet Fusion” in Seventh International Congress on Information and Communication Technology for Intelligent Systems ICTIS 2023, Organized by GR Foundation, Ahmedabad, on 27-28 April, 2023 (Scopus Conference).

4. Dr. P. K. Parlewar and Prof. N. M. Borkar presented a paper on "Design of Directive Microstrip Slot Feed Patch Antenna for Medical Applications", in IEEE 3rd International Conference for Intelligent Technologies, Hubballi, Karnataka, India on 23-25 June, 2023. (SCOPUS Indexed).
5. Dr.Mridula Korde published a research paper titled, "Efficient Machine Learning Algorithm for Future Gold Price Prediction" in 2023 International Conference on Inventive Computation Technologies (ICICT, organized by Tribhuvan University, Nepal, on 26-28 April, 2023. (Scopus Conference).
6. Dr.Mridula Korde published a research paper titled, " ECG Classification Using Machine Learning on Wave Samples for the Indian Population " in 1st International Conference on Advancement in Computation & Computer Technologies (InCACCT- 2023)organized by the Department of Computer Science & Engineering, at Chandigarh University,Gharuan, Mohali, Punjab, India, on 4-6 May 2023.
7. Dr.Pradip Selokar, Aveg Ganorkar, Anurag Khandelwal and Meeti Khandelwal, have published a paper titled, "Cross Platform Mobile Application for Solving Calculus", in 2ndInternational Conference on the Paradigm Shifts in Communication, Embedded Systems, Machine Learning and Signal Processing (PCEMS 2023) held at VNIT Nagpur during 5th – 6th April, 2023. Electronic ISBN: 979-8-3503-1071-9 PrintISBN: 979-8-3503-1072-DOI: 10.1109/PCEMS58491.2023.10136082 INSPEC Accession Number: 23204717 Publisher: IEEE (SCOPUS Indexed).
8. Puja S. Agrawal, have published a paper titled Design of an optimized location aware resource sharing and power control schemes for M2M communication, European Chemical Bulletin Multidisciplinary International Journal Volume 12 Special Issue 9.
9. Ankita Harkare and Dr.Bhumika Neole published a paper titled "Noxious beings Repulsion System Using Ultrasonic Transducers" in IEEE Xplore in June 2023(SCOPUS Indexed).
10. Dr.Chithraja Rajan and Dr.Bhumika Neole presented a paper on "Impact of Gate All Around Architecture in Polarity Based TFET with RF/Analog Analysis" in 2nd International Conference on the Paradigm Shifts in Communication, Embedded Systems, Machine Learning and Signal Processing (PCEMS 2023) held at VNIT Nagpur during 5th – 6th April, 2023. The paper is available online on IEEE explore Electronic ISBN: 979-8-3503-1071-9 Print ISBN: 979-8-3503-1072-6, DOI: 10.1109/PCEMS58491.2023.10136086 (SCOPUS Indexed)
11. Prasheel Thakre published Conference proceeding titled "Machine Learning Approach for Breast Cancer Prediction: A Review" in IEEE Explore on 08 June 2023 with DOI-10.1109/ICAAIC56838.2023.10141164. IEEE (SCOPUS Indexed)
12. Prasheel Thakre presented a paper on Design and Implementation of a Dynamic Traffic Signal System with Digital Circuit and IoT Integration for Efficient Traffic Management, inTHE 14th INTERNATIONAL CONFERENCE ON COMPUTING, COMMUNICATION ANDNETWORKING TECHNOLOGIES (ICCCNT) July 6th - 8th, 2023 IIT - Delhi, Delhi India. (SCOPUS Indexed).
13. Dr.Bhumika Neole presented a paper entitled "Cluster-based QoS Enhancement in MANET" in the 11th IEEE International Conference on Emerging Trends in Engineering Technology Signal and Information Processing (ICETET SIP-23) held during April 28-29, 2023 at G H Raisoni College of Engineering, Nagpur and published in IEEE Xplore (SCOPUS Indexed).
14. Dr.Bhumika Neole presented a paper entitled "Prevention of Jamming Attacks in MANET" in the 11thIEEE International Conference on Emerging Trends in Engineering Technology Signal and Information Processing (ICETET SIP-23) held during April 29-30, 2023 at G H Raisoni College of Engineering, Nagpur and published in IEEE Xplore(SCOPUS Indexed).

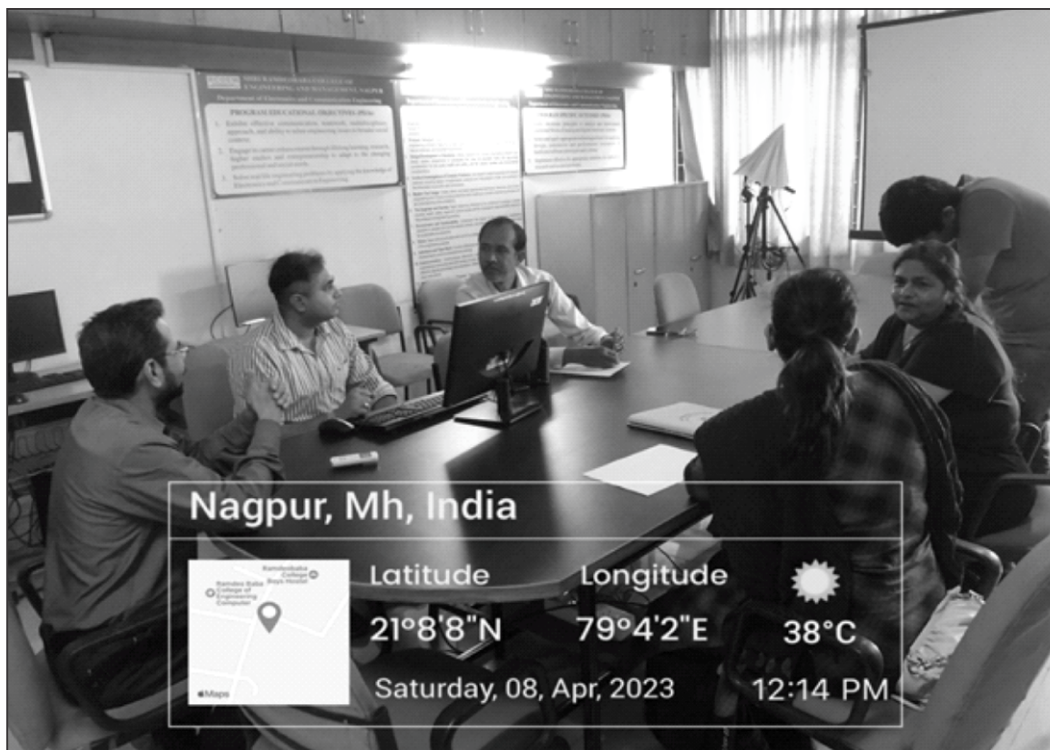
STTP/FDP/other Training Attended by Faculty

1. Dr. S.B.Pokle received a Topper Certificate in 12 weeks NPTEL certificate course and FDP on, “NBA Accreditation and Teaching and Learning in Engineering” Organized by IIT Madras and AICTE, with a score of 83 %, course duration Jan-April 2023.
2. Dr. R. B. Raut completed 12 week NPTEL course on "Patent Law for Engineers and Scientists" during JAN - APR 2023.
3. Dr. R. B. Raut completed 4 week NPTEL course on "Patent Drafting for Beginners" during JAN - APR 2023.
4. Dr. (Mrs) A.H. Harkare completed Summer Faculty Research fellowship from 16-05-2023 to 15-07-2023 from IIT, Delhi.
5. Dr. Chithraja Rajan participated in seminar on “Ultra Low Power SAR ADCs, Sensor Interfaces, and Temperature Sensors” organized by IEEE-IISC VLSI Chapter on June 16, 2023.
6. Dr. Chithraja Rajan participated in workshop on “Research and Applications in Photonics Celebrating International Day of Light” organized by Centre for VLSI and Nano technology, VNIT Nagpur from 16th-18thMay, 2023.

Departmental Activities

Parents Meet

Electronics and Communication Engineering Department organized Parent-Teacher Meeting (VI Semester) for the session 2022-23 Even Semester 8th April 2023 and for IV Semester on 24th June 2023.



HoDDr. D. J. Dahigaonkar and faculty members of department in Parent-Teacher Meeting (VI Semester) on 8th April 2023



HoD Dr. D. J. Dahigaonkar and faculty members of department in Parent-Teacher Meeting (IV Semester) on 24th June 2023

Conference, STTP and Guest Lectures organized in Department

1. Dr.Chithraja Rajan organized a guest lecture on “How to write a research grant proposal” by Dr. Dip Prakash Samajdar, Assistant Professor, IIITDM Jabalpur for faculties members of RCOEMon05 April 2023.
2. Dr.Chithraja Rajan and Dr.Bhumika Neole conducted one month “IoT Hands-on” training in CIIT for JDCOEM students from 17, June, 2023 to 11, July, 2023.
Students understood IoT concepts and had rigorous practise on IoT Trainer Kit available in centre. Finally, respected Principal, Dr. Rajesh Pande and HOD ECE, Dr.Dipak Dahigaonkar distributed certificates to participants.





IoT Hands-on training in CIIT RCOEM, Nagpur for JDCEOEM students - Principal, Dr. Rajesh Pande and HOD ECE, Dr.Dipak Dahigaonkar distributed certificates to participants

3. Conduction of Java Training Program: The Java Programming and Project Development Training Program was a three- month program that was conducted at Tata-CIIT RCOEM from April 20th to July 15th, 2023. The program was mentored by Parth Bhalerao and Coordinated by Prof.Prasheel Thakre. The program was designed to provide the students with a strong foundation in Java programming and data structures and algorithms. The students also gained hands- on experience in developing Java projects. In addition, the students were prepared for software engineering interviews and helped to develop their resumes.



A three- month training program on “The Java Programming and Project Development”

Students’ Corner

Toppers List (RS2023)

Sr.No.	Fourth year (VIII Semester)
1	Abhinav Kumar Div-3 (I)
2	Arjun Anand Saxena Div-3 (I)
3	Atharva Narayan Div-1

Other Activities :

1. Dr. D.J. Dahigaonkar was appointed as a judge for the Student’s research pitch competition at IEEE-UFFC (Ultrasonic, Ferroelectrics, and Frequency Control) event of University of Texas on 18th May 2023.
2. Dr. D.J. Dahigaonkar has filed a patent on "A Cable Vehicle" under the application no. 202321048269.
3. Dr. S.B.Pokle worked as Reviewer for 2nd International Conference on the Paradigm shift in Communication, Embedded Systems, Machine Learning and Signal Processing (PCEMS) 2023, Organized by V. N. I. T. Nagpur in April 2023. (04 Papers reviewed and submitted)
4. Dr. Pallavi Parlewar reviewed 5 papers for 2nd International Conference on the Paradigm shift in Communication, Embedded Systems, Machine Learning and Signal Processing (PCEMS) 2023, Organized by V. N. I. T. Nagpur in April 2023.
5. Dr. Mridula Korde worked as Reviewer in PCEMS 2023, a two-day conference on Communication, Embedded Systems, Machine Learning, and Signal Processing, organized by the Department of Electronics and Communication at VNIT Nagpur on 5-6 April 2023.

6. Dr.Mridula Korde conducted workshop on "INNOVATIVE PEDAGOGICAL PRACTICES TO DEVELOPEFFECTIVE E-CONTENT" for faculties on 8th April 2023 under Internal Quality Assurance Cell (IQAC) RCOEM.
7. Dr. J. D. Kene, Dr. A. P. Nilawar and Prof. A. A. Jaiswal received the research grant for the project title "Portable Assistance Device for Blind and Visually Impaired People" from the RTM Nagpur University under RGSTC scheme.
8. Ms. Puja Shankarlal Agrawal filed a patent on "DOMESTIC GAS CYLINDER TROLLEY WITH LOW GAS LEVEL INDICATING ALARM", Patent Filed Application Number: 385314-001, Cbr Number: 205379Cbr Date:29/04/2023 15:06:08 Applicant Name: 1. Shri Ramdeobaba College of Engineering and Management, Maharashtra 2. Ms.Puja Shankarlal Agrawal.
9. Dr.Chithraja Rajan reviewed 5 papers for 2ndInternational Conference on the Paradigm shift in Communication, Embedded Systems, Machine Learning and Signal Processing (PCEMS) 2023, Organized by V. N. I. T. Nagpur in April 2023.

Department of Electrical Engineering**Faculty Corner****Publications**

1. Dr.P.V.Kapoor, Dr.U.B.Mujumdar, Aniket Lanjewar and Siddhi Chauhan have published a paper titled, "Interface Design and Performance Analysis of Proton Exchange Membrane Fuel Cell using Python", Journal: Green Energy and Technology, Springer, May 2023, pp. 507-518, ISSN: 18653537, 18653529, DOI: https://doi.org/10.1007/978-981-99-2279-6_44 (Scopus Indexed).
2. Gunwanti Shende, Dr.S. C. Rangari and Prof. Manisha Gaikwad have published a paper titled, "Modelling of Five Phase BLDC Motor in D-Q Reference Frame with PID Controller" in AIP Conference Proceedings, April 24th, 2023, ISSN: 0094-243X E-ISSN: 1551-7616, DOI: <https://doi.org/10.1063/5.0127959>, (Scopus Indexed).
3. Tejas Sawai, Suryakant Mudke, Dr. Preeti V Kapoor and Dr. Uday B Mujumdar have presented a paper titled, "Bearing Fault Detection in Induction Motor using Ensemble Learning", in 5th International Conference on Energy, Power and Environment (ICEPE 2023) at NIT Meghalaya, Shillong, India, 15th-17th, June 2023.
4. Dr. Preeti V Kapoor, Dr. U. B. Mujumdar, Siddhi Chauhan and Aniket Lanjewar have presented a paper titled, "Power Converter Design for Fuel Cell Applications", in 5th International conference on Energy, Power and Environment (ICEPE 2023) at NIT Meghalaya, Shillong, India, 15-17 June 2023.
5. Prof. S. V. Umredkar has published a paper titled "Performance improvement of 36-slot 6-terminal induction motor drive using pole phase modulation with higher slot per pole per phase" in International Journal of Circuit Theory and Applications, DOI: 10.1002/cta.3662, (SCI Indexed).
6. Prof. S. V. Umredkar has published a paper titled "Dynamic Configuration of slot per pole per phase of an Induction Motor" in IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES 2022) at NIT, Jaipur, ISSN: 978-1-6654-5567-1; DOI: <https://doi.org/10.1109/PEDES56012.2022.10080116>.
7. Dr Prachi Salodkar, Omhari Shrivastav and Mohit Nagpure have presented a paper titled, "Design and Evaluation of Hydrogen Based Fuel Cell as a Green Energy Source" in IEEE International Conference on Computer, Electronics & Electrical Engineering and their Applications (IC2E3 2023) at NIT, Uttarakhand on 8th-9th June 2023.
8. Dr. V. A. Huchche, Dr. U. B. Mujumdar; Deepti Sinha and Purva Virulkar have presented a paper titled, "Revolutionizing rural electrification with PV Integrated energy storage system: The DC House Solution" in IEEE International Conference on Computer, Electronics & Electrical Engineering and their Applications (IC2E3 2023) at NIT, Uttarakhand on 8th-9th June 2023.
9. Vedant Ajane, Dr. Uday B. Mujumdar and Devesh Mishra have presented a paper titled, "State of Charge estimation of Li-Ion Battery using Random Forest Regression Model with modified Parameters for Multiple Cycles" in International Conference on Power Engineering and Intelligent Systems (PEIS2023) at NIT Delhi on 24th-25th June 2023.
10. Dr. U. B. Mujumdar and Ujwal Jibhkate have published a paper titled "Development of Integrated Test Set for SoC-SoH Estimation of Lithium-Ion Battery" in Advances in Renewable Energy and Its Grid Integration. ICAER 2022. Lecture Notes in Electrical Engineering, vol 1041. Springer, Singapore. https://doi.org/10.1007/978-981-99-2283-3_6. (Scopus Indexed book Series)

STTP/FDP/other Training Attended by Faculty

1. Prof. M. B. Gaikwad have successfully completed 12 weeks NPTEL FDP on “Research Methodology in Natural Sciences.” conducted by IIT Madras during Jan-April 2023.
2. Prof. M. B. Gaikwad have successfully completed 12 weeks NPTEL FDP on “High Power Multilevel Converters-Analysis, Design and Operational Issues.” conducted by IIT Madras during Jan-April 2023.
3. Prof. M. B. Gaikwad, Prof U.B. Mujumdar, Prof S. D.Naik and Prof S. C. Rangari have successfully completed 4 weeks NPTEL FDP on “Outcome Based Pedagogic Principles for Effective Teaching.” conducted by IIT Kharagpur during Jan-April 2023.
4. Dr. P. V. Kapoor has completed Innovation Ambassador (IA) 30 hours training programme of Foundation Level conducted by MoE's Innovation Cell and AICTE during April 2023.
5. Dr. P. V. Kapoor has completed Innovation Ambassador 30 hours training programme of Advanced Level conducted by MoE's Innovation Cell and AICTE during April 2023.
6. Dr G. N. Goyal has successfully completed 12 weeks NPTEL FDP on “Data Analytics with Python” conducted by IIT Madras during Jan-April 2023.

Departmental Activities

Parents Meet, Alumni Meet and Departmental Installations or Events

Parent-Teacher Meet

(B. Tech (EE) IV-Even Semester)

Parent-Teacher meet was organized on 17/6/2023 (Saturday) at 12:00 noon in the library of Electrical Engineering Department. Department HoD, Dr. S. B. Bodkhe, Dr. (Mrs.) V. A Huchche, PTM Coordinator and Class teacher Prof. M. B. Gaikwad welcomed all parents. Prof. M. B. Gaikwad shared the details about student attendance in the class and their performance in the Unit test-1. All course coordinators attended the meeting.



Glimpse of Parent-Teacher Meet

Conference, STTP and Guest Lectures organized in Department.

1. Guest Lecture on “Model Order Reduction Techniques : Fundamental Studies, Applications and Challenges.”

A Guest Lecture on “Model Order Reduction Techniques: Fundamental Studies, Applications and Challenges” was organized on Thursday, 20th April 2023. The guest speaker was Dr. Yogesh Hote, Professor of Electrical Engineering, IIT Roorkee. He covered various specialized topics like effect of dominant pole to non-dominant poles, how to differentiate poles at same point, practical application of PI and PID controllers etc. The guest lecture was arranged for the students of M.Tech, B. Tech IV, VI Semester and faculty members. 115 students got benefitted. The guest lecture was organized by Dr. M. V. Palandurkar and Prof. M. B. Gaikwad.



Glimpses of Guest Lecture

2. Guest Lecture on Introduction to Industry 4.0 and Career Options

A Guest Lecture on “Introduction to Industry 4.0 and Career Options” was organized on Monday 19th June 2023 for the students of B. Tech (EE) IV semester. Mr Rajneesh Ojha, Consultant, Manufacturing Digital Transformation Thoucentric, Bengaluru, Karnataka, was the guest speaker.

He covered various aspects of Industry 4.0, how it is revolutionizing the way companies manufacture, improve and distribute their products and what is the Interesting Job Opportunities in Industry. Around 60 students were benefitted. The guest lecture was organized by Prof. S. C. Rangari.



Glimpse of Guest Lecture

Students' Corner Toppers List

B.Tech (EE) VIII Semester (Session: 2022-23)

Sr. No.	Student Name	SGPA	CGPA
1	Mr.Omhari Bipin Shrivastava	10	10
2	Mr.Saurabh Madhavrao Sawarkar	10	9.76
3	Mr.Siddhesh Ravindra Nandanwar	10	9.71
4	Ms Tanu Anurag Gupta	10	9.61
5	Mr.Tejas B Sawai	10	9.57

Student Achievements

Mr. Amrit Raj Singh student of second year has won **FIRST PRIZE** in the dance competition **RAAZMTAAZ** organised under **YASH 23.0**, the annual fest of Yashwantrao Chavan College of Engineering Nagpur from 16th April 2023 to 22nd April 2023.

Writer's Corner : For Faculty :

- NPTEL has recognized Prof. Manisha B. Gaikwad as a "NPTEL STAR" in the category: NPTEL MOTIVATED LEARNERS and NPTEL BELIEVERS.



Department of Electronics Engineering

Faculty Corner

Awards received by Faculty of department

1. Prof Snehal Laddha received Best Paper Award for her research article A Survey on Smart Hydroponics Farming : An Integration of IoT and AI-based efficient alternative to Land farming in International Conference FICTA-2023 at Cardiff Metropolitan University, UK on 11-12 April 2023.
2. Prof. Prachi Rane received 1st Topper award in NPTEL Course on Introduction to Research Methodology from IIT Madras on 22nd May 2023.
3. Prof. Snehal Laddha received a recognition certificate at 4th International Conference on Communication, Circuits, and Systems organized by Kalinga Institute of Industrial Technology, India on 26-28th May 2023.
4. Dr. Suresh Balpande received recognition as Innovation Ambassador by ARIIA-Ministry of Education Innovation Council Govt. of India during Mar-April 2023.
5. Dr. Suresh Balpande received a certificate of recognition form AICTE New Delhi ,Dr. Babasaheb Ambedkar Technological University, Lonere and IIT, Mumbai for translation of book in Marathi on Microprocessor and microcontroller during April-May 2023.

Guest Lectures taken by faculty

1. Dr.Suresh Balpande has delivered a lecture on Integration of Smart Industry Grade Sensors on 20th June 2023 as part of Induction Training Programe at Yantra Institute of Technology & Management, Ambajhari (Ordinance Factory) ,Nagpur for Employees of various Ordanance Factories.
2. Dr. Suresh Balpande has delivered a lecture on Defence Applications of MEMS Devices on 20th June 2023 as part of Induction Training Programe at Yantra Institute of Technology & Management, Ambajhari (Ordinance Factory) ,Nagpur for Employees of various Ordanance Factories.

Publications

1. Kalyani Ingale, Shubham Anjankar, Dr. Suresh Balpande, Dr. Nitin Narkhede has published a paper titled Pencil graphite–turned graphene oxide for supercapacitor electrodes in Journal of Emergent Materials, Springer Nature with ISSN 2522-574X (Scopus)
2. Dr.Rohini Ochawar, Shiju Samuel, Rukmini M.S.S. has published a paper titled Hybrid deep autoencoder network based adaptive cross guided bilateral filter for motion artifacts correction and denoising from MRI in The Imaging Science Journal with 1936-4954 (SCI)
3. Joshi, Poorvi K, Dr. M. A. Hasamnis has published a paper titled Design and 3D Simulation of BAW Resonator for 5G in SSRG International Journal of Electrical and Electronics Engineering with ISSN 2348-8379 (Scopus)

4. Dr. Suresh Balpande, Anushka Deshmukh, Ankit Bawane, Tanmay Khutate, Deepa Gupta published a paper titled MrudaTest': An Android Phone Intervened Platform for Soil Primary Nutrients and pH Detection in Communications in Soil Science and Plant Analysis (Taylor and Francis) with ISSN 0010-3624 (SCIE)
5. Kamlesh Kahar, Ram Dhekekar, Manish Bhaiyya, Sanjeet Kumar Srivastava, Prakash Rewatkar, Dr. Suresh Balpande, Dr. Sanket Goel has published a paper titled Optimization of MEMS-based Energy Scavengers and output prediction with machine learning and synthetic data approach in Sensors and Actuators: Physical A (Elsevier) with ISSN 0924-4247 (SCI)
6. Poorvi K Joshi, Dr M A Hasamnis, Dr. R.M. Patrikar has published a paper Thermally compensated ZnO film bulk acoustic resonator for RF application above 5GHz frequency in Journal of Computational Electronics(Springer Nature) with ISSN 1569-8025 (SCI)
7. Vikas Gupta, Ronit Shahu, Palash Thakur has published a paper titled Audio and Text Based Emotion Recognition System using Deep Learning in Advances in Signal Processing, Embedded Systems and IoT Springer, Lecture Notes in Electrical Engineering with ISSN 1876-1100(Scopus)
8. Dr.A.A.Khurshid, Minase, A.M. Bonkinpelliwar, A. has published a paper titled Multiparameter Prediction of Water Quality using Edge Intelligence in SSRG International Journal of Electronics and Communication Engineering with ISSN 2348-8549(SCOPUS)
9. Shubham Anjankar, Dr.Rasika Dhavse has published a paper titled Innovative Leakage Stabilization System for Mitigation of Ionizing Radiation-Induced Effects in IEEE Sensors Letters with ISSN 2475-1472 (SCOPUS-ESCI)
10. R. A. Deshmukh, Dr.M. A. Hasamnis has published a paper titled An improvement to the conventional PD scheme for the speed control of a Two-Wheeled Differential Steering Mobile Robot in International Journal of Information Technology with ISSN 2511-2104(SCOPUS-ESCI)
11. Dr.Pankaj Joshi, Dr.Deepak Khushalani, Taslim Chhaware, Yug Jain & Shreya Bharati has published a paper titled Edge Computing: Attributes, Applications, and Future Trends in Lecture Notes in Networks and Systems book series with ISBN 978-981-99-1699-3 (SCOPUS)

S N	Name of the Author	Title of the Paper	Name of the Conference	Date of Conference	ISBN	Name of the publisher
1	Lokesh Mohan Heda, Dr.ParulSahare	Performance Evaluation of YOLOv3, YOLOv4 and YOLOv5 for Real-Time Human Detection	2nd International Conference on the Paradigm shifts in Communication, Embedded Systems, Machine Learning and Signal Processing (PCEMS 2023), VNIT, Nagpur	Apr 5-6, 2023	979-8-3503-1071-9	IEEE Xplore
2	Dr.Deepali M.Kotambkar, Vanshika Bajaj	Fundus Image Classification for Glaucoma using Unet Architecture and Logistic Regression	2nd International Conference on the Paradigm shifts in Communication, Embedded Systems, Machine Learning and Signal Processing (PCEMS 2023), VNIT, Nagpur	Apr 5-6, 2023	979-8-3503-1072-6	IEEE Xplore
3	Dr.AleefiaKhusid, SanketSoni; AnushreeMrugankMinase; AshleshaBonkinnelliwar	A TinyML Approach for Quantification of BOD and COD in Water	2nd International Conference on the Paradigm shifts in Communication, Embedded Systems, Machine Learning and Signal Processing (PCEMS 2023), VNIT, Nagpur	Apr 5-6, 2023	979-8-3503-1072-6	IEEE Xplore
4	Dr.Richa R. khandelwal, Shreya Chakravarty,	A Robust Pipeline Based Deep Learning Approach to Detect Speech Attribution	8th International Conference for Convergence in Technology, I2CT,Pune	Apr 7 – 9, 2023	979-8-3503-3401-2	IEEE Xplore/Scopus

5	Asishh Tiwari, PriyankaMaske , J B Zalke, S R Pandey , Sripadraja K	Macromod el Simulation of Piezoelectr ic energy harvesting with frequency up- conversion device	8th International Conference for Convergence in Technology, I2CT,Pune	Apr7 – 9, 2023	979- 8- 3503- 3401- 2	IEEE Xplore
6	Archana Tiwari, B, Masram, K. Bhartdwaj	Message Queuing Telemetry Transport Based Data Logger	8th International Conference for Convergence in Technology, I2CT,Pune	Apr 7 – 9, 2023	979- 8- 3503- 3401- 2	IEEE Xplore
7	Dr. Deepali M. Kotambkar, Siddhi Chourasia , RhugvedBhoja ne, Rushikesh Patil	Domain Adaptation Using DCGAN For Glaucoma Diagnosis	8th International Conference for Convergence in Technology, I2CT,Pune	Apr 7 – 9, 2023	979- 8- 3503- 3401- 2	IEEE Xplore
8	Snehal Laddha, Pratik P. Shastrakar, Sanskriti A. Zade	A Survey on Smart Hydroponi cs Farming: An Integration of IoT and AI-based efficient alternative to Land farming	FICTA-2023, Cardiff Metropolitan University, UK	April 11-12, 2023	Yet to publis hed	Springer SCOPUS

9	Dipanshu Mishra, IshanDushettiwar, PrachiRane, SmitaDaware	Manhole monitoring and Detection using IOT	7th International Conference on Trends in Electronics and Informatics ICOEI 2023, SCAD college of Engineering, Tirunelveli	Apr 11-13,2023	979-8-3503-9728-4	IEEE Xplore
10	Dr.PankajJoshi, Dr.DeepalKhuslani,Rajesh Khobragade	Power-Area Efficient Computing technique for Approximate Multiplier with Carry Prediction	11 th International Conference on Emerging Trends in Engineering & Technology Signal and Information Processing, G H Raisoni College of Engineering Nagpur,India	Apr 28-29,2023	2157-0485	IEEE Scopus
11	G.A.Morankar, Amey Magarde,Dhruv Chandak Kanak Agrawal,Sakshi Bang	NAIL DISEASE DETECTION using AI Based ALGORITHM	International Conference of Data analysis and Insights (ICDAI 2023), Lecture Notes in Networks and Systems (LNNS), Springer Nature Book Series	May 11-13, 2023	Yet to published	SCOPUS
12	Shruti P. Kumbhare, Mitali Jain, Disha Joshi, R. A. Deshmukh	Low-cost Health Band with Smart Features using IoT	International Conference on Intelligent Computing and Control Systems (ICICCS 2023), aigai College of Engineering, Madurai, Tamil Nadu, India	May 17-19, 2023	Yet to published	IEEE

13	R. A. Deshmukh, Dr.	A navigation scheme for autonomous mobile service robots working in GPS denied commercial indoor spaces	2023 4th International Conference on Communication, Circuits, and Systems (IC3S), School of Electronics Engineering, Kalinga Institute of Industrial Technology Deemed to be University, Bhubaneswar, Odisha – 751024, India	May 26–28, 2023	Yet to published	IEEE, SCOPUS
14	R. A. Deshmukh, Dr. M. A. Hasamnis	A novel multi-sensor tactile detachable bumper design for obstacle avoidance, collision detection, and recovery in autonomous mobile robots	2023 4th International Conference for Emerging Technology (INCET), Jain College of Engineering, Hunchyanatti Cross, Tipp sultan Nagar, Machhe, Belgaum, Karnataka 590014	May 26 – 28 2023	Yet to published	IEEE SCOPUS

15	Vikas Gupta, C, Rohit; Sant, Raturaj; Nawade, Suchet; V, Vedhant;	Exploring Edge Artificial Intelligence : A Comparative Study of Computing Devices for Deployment of Object Detection Algorithm	4th International Conference of Emerging Technologies 2023, Belgaum, India, Jain College of Engineering, Belagavi, Karnataka, India.	May 26–28, 2023	Yet to published	IEEE Scopus
16	S R Pandey, J B Zalke, Rutuparna Parkar, Pranjal Sohani	Power and Area Aware Bump Physically Unclonable Function	International Conference on Computer, Electronics and Electrical Engineering and Their Applications (IC2E3 2023), National Institute of Technology (NIT), Uttarakhand	Jun 8-9, 2023	Yet to published	IEEE Xplore
17	Siddhesh Gupta, Vinaya Dehankar, Vrushali Nagpure, Divya Vyas, Poorvi K Joshi	Shoulder Rehabilitation Using Virtual Physiotherapy System	International Conference on Sustainable Computing and Smart Systems (ICSCSS-2023), Hindusthan College of Engineering and Technology, Coimbatore, India	14-16, Jun 2023	Yet to published	IEEE, SCOPUS
18	Nikhil Damle	An Open Source Learning Management System	Power Engineering and Intelligent System (PEIS 2023)	Jun 24-25, 2023	Yet to published	Springer

STTP/FDP/other Training Attended by Faculty

1. Dr. Suresh Balpande has attended 12 weeks NPTEL Course on Machine Learning For Soil And Crop Management from Jan-Apr 2023 offered by IIT Kharagpur
2. Dr. Nitin Narkhede has attended 12 weeks NPTEL Course on Digital Electronic Circuits from Jan-Apr 2023 offered by IIT Kharagpur.
3. Prof. Vishal Rathee has attended 12 weeks NPTEL Course on Research Methodology in Natural Sciences from Jan-Apr 2023 offered by IIT Madras
4. Prof. Prachi Rane has attended 12 weeks NPTEL Course on Research Methodology in Natural Sciences from Jan-Apr 2023 offered by IIT Madras

Departmental Activities

Conference, STTP and Guest Lectures organized in Department

S.No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1	Application of Data science, Data analytics, Machine learning and 5G Technology	Mr. Vikram Deshpande, Senior Director-Sales & Operations at ElasticRun India	2 Hrs	13-05-2023

Students' Corner

Placement statistics

Company/Sector	Number of students placed
IT and allied sector	169
Core sector	07

Department of Industrial Engineering

Faculty Corner

Publications

1. Dr. Yogesh Deshpande, Dr.T.A.Madankar has published a paper titled Influence of Biodegradable coolants on machinability improvement-A review (Topic) in Advances in Materials and Processing Technologies (Taylor and Francis Online)

STTP/FDP/other Training Attended

1. Dr. Priya Khandekar has completed “Outcome Based Pedagogic Principles for Effective Teaching” FDP (4 Weeks) on NPTEL courses.
2. Prof. Mangesh Joshi completed ‘Business Analytics For Management Decision’ (12 weeks) , NBA Accreditation and Teaching and learning in Engineering (NATE) (12 weeks) ,and Problem Solving Through Programming In C (12 weeks) NPTEL courses.
3. Dr. Dinesh Zanwar has completed “Outcome Based Pedagogic Principles for Effective Teaching” FDP (4 Weeks) on NPTEL courses.
4. Dr.Rashmi Shahu has completed “Outcome Based Pedagogic Principles for Effective Teaching” FDP (4 Weeks) on NPTEL courses.
5. Prof.Rakshal Agrawal has completed “Outcome Based Pedagogic Principles for Effective Teaching” FDP (4 Weeks) on NPTEL courses.
6. Prof.Rakshal Agrawal has completed “Effective writing” FDP (8 Weeks) on NPTEL courses.
7. Prof.Rakshal Agrawal has completed “Research Methodology” FDP (12Weeks) on NPTEL courses.

Departmental Activities

Parents Meet

The The Parent Teacher Meet for VI semester was held on Saturday 1/04/2023 from 11.00 am to 1.00 pm in the department of industrial engineering . 12 parents attended the parent Teacher meet.

The following agenda was discussed with parents:

- Students’ academic performance in examination (Test-I and Assessments)
- Student’s attendance in class.
- Student’s activities in last 6 months
- Students’ placement and guidance related to higher studies.
- Student’s internship

Students Corner

Name of Student	Event type	Event Name	Organizing agency*	Achievement*	Date of event *(When completed)
Pratham Trivedi	Online Courses	Human Health and Diseases	Infosys	Completed	17-07-2023
Unnati wahane	Online Courses	Programming for everybody (getting started with python)	University of michigan	Completed	03-07-2023
Tushar Manik Chafekar	Online courses	Elements of AI	Google	Completed	05-07-2023
Shantanu Chatterjee	Internship	AWS Fundamentals of Data Analytics Virtual Internship	AICTE-Eduskills	Completed	15-07-2023
shreya hiwale	Online Courses	Elements of AI	Google Certified	Completed	17-07-2023
Samiksha Mangesh Gijre	Online Courses	Elements of AI	University of Helsinki	Completed	08-04-2023
Tejas Bhandarkar	Internship	AWS Internship Cloud Computing	Amazon	Completed	14-07-2023
Kiran Lohe	Internship	AICTE intership in data analytics, python data structures course from Coursera	AICTE, Coursera.	Completed	10-07-2023
Shrijay Gupta	Online courses	Fundamentals of digital marketing	Google Digital Garage	Completed	18-07-2023
Janhavi Prasad	Online courses	Fundamentals of Digital marketing	Google garage	Completed	16-07-2023
Ritika Jeswani	Online courses	Elements of AI	University of Helsinki	Completed	17-07-2023
Tejas Bhandarkar	Online courses	Elements of AI	Google Certificate	Completed	17-07-2023
Shreya Gajanan Hiwale	Internship	Elements of AI	Google Certification	Completed	18-07-2023
Shreya Gajanan Hiwale	Internship	Digital Marketing	Digital Magnet	Completed	05-07-2023
Dhananjay Karokar	Online Courses	Google Digital Garage	Google	Completed	30-06-2023
Dhananjay Karokar	Online courses	Google digital garage & element of al	Google	Completed	30-06-2023
Shreyash Bhanare	Done videography and photography for college	Videography and photography for college	Team media expression	Completed	15-04-2023
Tejas R.	Internship	AWS Academy	AWS, AICTE	Completed	24-07-2023

Department of Information Technology

Faculty Corner

Guest Lectures taken by faculty

Dr. Purshottam J. Assudani delivered 2 lectures on “Post Graduate Program in Cloud Computing” for CalTech(California) University, USA on 10th May and 28th June 2023.

Publications

1. Prof.C. B. Thaokar published a paper titled “Decision Tree Algorithm: A Survey” in International Journal of Engineering and Technology, indexed in Scopus.
2. Prof.C. B. Thaokar published a paper titled “Detection of human psychological stress with deep convolution neural network using different criteria for feature selection on basis of confidence value of paired t-test” in International journal of Computer Science and Engg. IJCSE, Vol-14, N0.3, ISSN 0976-5166, in May- June 2023, indexed in Scopus.
3. Prof. C. B. Thaokar presented a paper titled “Novel Machine Learning Based Text-To-Speech Device for Visually Impaired People” in Second IEEE International Conference on "Smart Technologies and Systems for Next Generation Computing", held from 21st to 22nd April 2023, organized by IFET College of Engineering, Villupuram, India.
4. Dr. M. A. Tayal presented a paper titled “Automatic Domain Classification of Text using Machine Learning” in Fourth International Conference on Communication, Circuits and Systems, held from 26th to 28th May 2023, organized by Kalinga Institute of Industrial Technology, Bhubaneswar, India.
5. Dr. M. A. Tayal presented a paper titled “VMLHST: Development of an efficient novel Virtual reality ML framework with Haptic feedbacks for improving Sports Training scenarios” in International Conference on Emerging Wireless Technologies and Sciences-2023, held on 07th May 2023, organized by Advanced and Innovative Research Laboratory, Dehradun, India and Supported by ITMO University Russia.
6. Dr. M. A. Tayal presented a paper titled “Thyroid Disorder Classification using Machine Learning” in 11th International Conference on Emerging Trends in Engineering and Technology-Signal and Information Processing, held from 28th to 29th April 2023, organized by G. H. Raisoni College of Engineering, Nagpur.

STTP/FDP/other Training Attended by Faculty

- Prof C. B. Thaokar, Dr. M. A. Tayal, Dr. Rakesh Kadu and Dr. A. V. Chandak completed a NPTEL course on Outcome Based Education in the month of June 2023.

Departmental Activities

National Technology Day

Semicolon Tech Club in association with IEEE student branch, RCOEM celebrated “National Technology Day” on 11th May 2023. Mr.Shashikant Chaudhary, Co-Founder Baby Verse was present as the Chief Guest. The event was coordinated by the department. As part of the celebrations, the department conducted a Poster Presentation and Extempore Competition.

Students' Corner

Course Conduction activity organized in Department

S.No.	Course Conduction	Speaker (with Affiliation)	Duration	Date
1	ITT359-02 Mobile Application Development	Mr. Shantanu Patil Technologist Kratin LLC	10 Hours	11 th March, 1 st and 8 th April 2023
2	ITT359-01 IT Infrastructure	Mr. Madan Tiwari Cloud Migration Consultant	10 Hours	29 th April, 3 rd and 6 th May 2023

Any other activity (s) :

Beyond Academics :

- 92% of 2022-23 Batch students got placed through campus drive.
- 48 students went for Full Time Internship.
- The number of offers received by the 2022-23 batch are as follows :

Sr. No.	Company Name	No. of Offers
1	Darwinbox	3
2	Hexaware	2
3	Accenture	25
4	Tech Mahindra	5
5	PWC	8
6	Persistent	24
7	Cognizant	12
8	Principal Global	3
9	Cybage	5
10	Innovapptive	4
11	Capgemini	31
12	Oracle	2
13	Amadeus	4
14	Acemegrade	4
15	LTI	16
16	Konverge AI	2
17	Nutanix	2

18	Siemens	3
19	Kickdrum	2
20	TCS	9
21	Josh Technology	1
22	Eaton	1
23	Accolite	1
24	DXC	1
25	Schneider	2
Total		172

Department of Mechanical Engineering

Faculty Corner

Dr. Sandeep Joshi, receives international travel Grant from Govt. of India

Dr. Sandeep Joshi of Department of Mechanical Engineering, has been awarded the prestigious international travel grant - ITS by the Science and Engineering Research Board of the Government of India. The grant recognizes his exceptional research contributions in Engineering and Technology, including over 50 publications and 3 granted patents.

Dr. Joshi has presented his ongoing research work on the Battery Thermal Management Systems (BTMS) for E-vehicles at the 8 th International Electric Vehicle Conference, at Edinburgh Napier University in Scotland from June 21- 23, 2023. He has also visited Ulster University in Belfast, Northern Ireland to explore collaborative research opportunities.

लोकमत समाचार

एजुकेशनल न्यूज

संदीप जोशी को केंद्र से मिला यात्रा अनुदान

नागपुर : श्री रामदेवबाबा कॉलेज ऑफ इंजीनियरिंग एंड मैनेजमेंट के मैकेनिकल इंजीनियरिंग डिपार्टमेंट के सहायक प्राध्यापक डॉ. संदीप जोशी को केंद्र सरकार के साइंस एंड इंजीनियरिंग रिसर्च बोर्ड ने अंतरराष्ट्रीय दौरे के लिए यात्रा अनुदान मंजूर किया है. डॉ. जोशी ने इंजीनियरिंग एंड टेक्नोलॉजी में उल्लेखनीय अनुसंधान किया है. साथ ही, उनके पचास शोध प्रबंध प्रकाशित हुए हैं और तीन अनुसंधान को पेटेंट प्राप्त हुआ है. इस योगदान के लिए उन्हें यह अनुदान दिया गया है. स्कॉटलैंड स्थित एडिनबर्ग नेपियर युनिवर्सिटी में 21 से 23 जून तक आठवीं अंतरराष्ट्रीय इलेक्ट्रिक वाहन परिषद आयोजित की गई है. डॉ. जोशी इस परिषद में शामिल होकर इलेक्ट्रिक वाहनों के लिए उपयोगी बैटरी थर्मल मैनेजमेंट सिस्टम पर अपने अनुसंधान कार्य को प्रस्तुत करेंगे. साथ ही वे वेलफास्ट स्थित अल्स्टर युनिवर्सिटी और मिडल्सब्रो स्थित टीसाइड युनिवर्सिटी में जाकर साइंस अनुसंधान के सुअवसरों का भी पता लगाएंगे. इस अनुदान के लिए उन्होंने केंद्र सरकार और अपने कॉलेज के प्रबंधन के सहयोग के प्रति आभार माना है.



Guest Lectures taken by faculty

1. Dr. Vishal V. Shukla delivered a lecture on the topic "Design for Additive Manufacturing : A view on slicing for FDM Vs SLA" on 45065 at TGPCET, Nagpur.
2. Dr. Sandeep Joshi delivered a lecture on the topic Awareness about Solar Energy on 24/04/2023 at Vigyan Sanskarshibir organized by VigyanBharatiVidarbha Pradesh Mandal M.K.H. Sancheti public school, Wardha Road Nagpur
3. Dr. Sandeep Joshi delivered a lecture on the topic Awareness about Solar Energy on 25/04/2023 at Vigyan Sanskarshibir organized by VigyanBharatiVidarbha Pradesh Mandal M.K.H. Sancheti public school, BESANagpur
4. Dr. Sandeep Joshi delivered a lecture on the topic Solar Energy on 25/04/2023 at ISHRAE Nagpur Chapter at IEI Nagpur on 28/04/2023

Publications

1. Prof.Nitin P. Gudadhe has published a paper titled Structural analysis of motorcycle spokes design using finite element analysis with alloy materials in Materials Today: Proceedings, 2023 with Online ISSN: 2214-7853 with DOI <https://doi.org/10.1016/j.matpr.2023.04.380> Scopus indexed.
2. Prof.Nitin P. Gudadhe has published a paper titled Contact stress analysis of xylon coated spur gear using ANSYS workbench in Materials Today: Proceedings, 2023 with Online ISSN: 2214-7853 with DOI <https://doi.org/10.1016/j.matpr.2023.03.572> Scopus indexed.
3. Prof.Nitin P. Gudadhe has published a paper titled Influence of shielding gas variation and welding parameters on the microstructure and microhardness of SAE 1035 steel welded by the MAG process in Materials Today: Proceedings, 2023 with Online ISSN: 2214-7853 with DOI <https://doi.org/10.1016/j.matpr.2023.06.028> Scopus indexed.
4. NITIN P. GUDADHE has presented the paper titled "Mechanical and microstructural analysis of hsla api 51 x70 steel using mig welding" in the International Conference on "Recent Trends In Mechanical & Automobile Engineering - A Multidisciplinary Approach (ICRTMAE'23) on 25 April, 2023.
5. Dr. Sandeep Joshi has presented the paper titled Performance and Emission Characteristics of Higher blends of preheated Pongamia Mythyl ester using exhaust gas waste heat recovery in C.I. Engine in the International conference on Mechanical Engineering Research and Evolutionary Challenges at National Institute of Technology, Warangal (NIT Warangal) on 25 April, 2023.
6. Dr. Sandeep Joshi has presented the paper titled Experimental investigations on Neem oil biodiesel as alternative fuel for C.I. Engine in the International conference on Mechanical Engineering Research and Evolutionary Challenges at National Institute of Technology, Warangal (NIT Warangal) on 25 April, 2023.
7. Prof. S. A. Patil and Dr. S. S. Joshi has presented the paper titled Performance investigations on Evacuated tube solar cooker with free and forced circulation arrangement in the International conference on Mechanical Engineering Research and Evolutionary Challenges at National Institute of Technology, Warangal (NIT Warangal) on 25 April, 2023.
8. Dr. Sandeep Joshi, presented a paper titled 'A comparative study of novel designs of liquid-cooled battery thermal management systems', at 8th International Electric Vehicle Conference, 21-23 June , 2023 at Edinburgh Napier University, Edinburgh Scotland.

STTP/FDP/other Training Attended by Faculty

1. Dr. Ashish Urade has completed NPTEL MOOC and one week FDP on "NBA accreditation and Teaching and Learning in Engineering" (NPTEL) from January-April 2023 organised by NPTEL.
2. Dr. Gajanan Nikhade completed the Faculty Development Program on Drones & Autonomous Systems from 02/05/2023 to 06/05/2023 organised by Center of Excellence Drones, CMR Institute of Technology, Bengaluru in association with IEEE CMRIT.
3. Dr. Vishal Shukla have completed Opportunities and Challenges in Artificial Intelligence & Machine Learning for Mechanical Engineers from 24/04/2023 to 28/04/2023 organised by Online conducted by NIT Warangal, Telangana & NBKRIST, Vidyanagar, Andhra Pradesh in association with CCE, NIT Warangal.
4. Dr. Vishal Shukla completed Faculty Development Program on Drones & Autonomous Systems from 02/05/2023 to 06/05/2023 organised by Center of Excellence Drones, CMR Institute of Technology, Bengaluru in association with IEEE CMRIT.
5. Dr. Gajanan Nikhade has completed NPTEL course- NBA Accreditation and Teaching and learning in Engineering (NATE) from January-April 2023 organised by NPTEL.
6. Dr. Gajanan Nikhade has completed FDP on NBA Accreditation and Teaching and learning in Engineering (NATE) from January-April 2023 organised by NPTEL.
7. Dr. Yeshwant Sonkhaskar has completed NPTEL MOOC and one week FDP on "Mechatronics" (NPTEL) from Feb.-April 2023 organised by NPTEL.
8. Dr. Gajanan Nikhade has completed Two days training on orientation and hands-on training on FEA/Simulation tools from 25-26 May, 2023 organised by La Foundation Dassault Systemes, Pune.
9. Dr. Gajanan Nikhade has completed FDP on Fundamentals of low frequency NVH and Automotive applications from 19-23 June, 2023 organised by La Foundation Dassault Systemes, Pune.
10. Dr. Gajanan Nikhade has completed a Certification course on Industrial Robotics at Autofina Robotics, Pune from 45101 organised by Autofina Robotics, Pune.
11. Prof. Sujit Patil has completed Cooling Technology Why and How utilized in Food Processing and allied Industries from January-April 2023 organised by NPTEL.
12. Prof. Sujit Patil has completed Research Methodology for Natural Sciences from January-April 2023 organised by NPTEL.
13. Dr. Yeshwant Sonkhaskar completed "Research & Development to Intellectual Property Rights – A Roadmap" from January-April 2023 organised by BIT Wardha.
14. Prof. Bhushan Bissa has completed Two days training on orientation and hands-on training on FEA/Simulation tools from 25-26 May, 2023 organised by La Foundation Dassault Systemes, Pune.
15. Prof. Bhushan Bissa has completed FDP on Fundamentals of low frequency NVH and Automotive applications from 19-23 June, 2023 organised by La Foundation Dassault Systemes, Pune.
16. Prof. Bhushan Bissa has completed a Certification course on Industrial Robotics at Autofina Robotics, Pune from 45101 organised by Autofina Robotics, Pune.
17. Dr. Alok Jha has completed FDP on Fundamentals of low frequency NVH and Automotive applications from 19-23 June, 2023 organised by La Foundation Dassault Systemes, Pune.
18. Dr. Alok Jha has completed a Certification course on Industrial Robotics at Autofina Robotics, Pune 45101 organised by Autofina Robotics, Pune.
19. Prof. Bhushan Bissa has completed NPTEL MOOC and one week FDP on "Mechatronics" (NPTEL) from Feb.-April 2023 organised by NPTEL.

20. Prof.Sujit Patil has completed NPTEL MOOC and one and half week FDP on Research Methodology for Natural Sciences from January-April 2023 organised by NPTEL.
21. Dr.Pranjali Deole has completed NPTEL MOOC and one week FDP on "NBA accreditation and Teaching and Learning in Engineering " (NPTEL) from January-April 2023 organised by NPTEL.
22. Dr.Pranjali Deole has completed NPTEL MOOC and one week FDP on "Outcomes based pedagogy principles for effective teaching" (NPTEL) from January-March2023 organised by NPTEL.
23. Dr.Shantanu Kulkarni has completed NPTEL MOOC and one week FDP on "NBA accreditation and Teaching and Learning in Engineering" (NPTEL) from January-April 2023 organised by NPTEL.
24. Dr. Sandeep Joshi has Completed innovation Ambassador training, Foundation And Advanced Level by MOE's Innovation cell and AICTE during 2022-23. (E-certificate No: IA/Advance/124987)

Departmental Activities

Parents Meet, Alumni Meet and Departmental Installations or Events

Parents Meet :-

The Department of Mechanical Engineering arranged Parent-Teacher Meet on 17th June 2023 Saturday from 10:30 AM to 12:30 PM for IV and VI semester students and their parents. All the respective faculty members teaching to IV and VI semester students were present for the meet. The faculty members shared the student attendance, academic records and progress of the student with their parents followed by the teaching learning process, assessment, and how it helps students in placement and for higher studies. Dr. S. R. Kulkarni briefed the parents about placement data of passout batch (i.e. 2023 batch) and planning for next session (i.e. 2023-24). Dr. A. K. Jha informed the parents about various initiatives and practices of the department for the students such as mentorship for higher studies and placements.

The parents were asked to share their views/suggestions/issues related to curriculum, wards' performance and teaching learning. The meeting was chaired by Dr. V. V. Shukla, Associate Professor and Head of Mechanical Engineering Department. 15 Parents actively participated in the meet; their feedback and suggestions were received. The PTM was coordinated by Dr. Alok Jha.

Conference, STTP and Guest Lectures organized in the Department.

1. The Mechanical Engineering Department, RCOEM had organized a half day workshop in association with La Foundation Dassault Systems, Pune on "Noise Vibration and Harshness" (NVH) on 26th June 2023. Dr Mohan Godse, Pune, U2I Pune was the subject expert for the Workshop on behalf of Dassault Systems. A large number of UG and PG students attended the workshop. A few delegates from the Industries in and around Nagpur also participated in the workshop. Dr.V.V.Shukla, Head Mechanical Engineering Department and Dr.S.R.Kulkarni, In-charge III Activities Mech. Engg. Dept. Coordinated the Workshop.
2. Guest Lecture by Mr.Mangrulkar, Section Head, Heat Treatment, Ashok Leyland, Bhandara was organised in the Department on the topic of Heat Treatment on 05/04/23
3. Guest Lecture by Mr Sanket Moharir, V P Sourcing and Business Development, Mid West Textile LLC, USA was organised in the Department on the topic of Career Advancement- Challenges and Opportunities on 18/04/23
4. Guest Lecture by Mr Deepka Shidhaye, Mr Pranav Kant, Representatives from La Sierra University, California USA was organised in the Department on the topic of Business Analytics on 20/04/23
5. Guest Lecture by Ms.Tanvi Mahajan and Mr.Rohit Joshi Alumni ME 2021 was organised in the Department on the topic of Preparing for Higher Studies on 22/06/23

Student Achievements

RCOEM Students Triumph at L& T EduTech National Talent Festival 2023

Students of Mechanical Engineering from Shri Ramdeobaba College of Engineering and Management (RCOEM) have emerged victorious at the National Talent Festival 2023, organized by L& T EduTech. The team has clinched 2nd runner-up position in the grand finale of highly competitive event held on May 30, 2023, at L& T headquarters in Chennai. The National Talent Festival by L& T EduTech provides a platform for students to tackle problem statements related to the United Nations.

Sustainable Development Goals (SDGs) 2030. Starting from January 2023, the event featured rigorous screening and elimination rounds, with industry experts serving as esteemed juries to evaluate the innovations. Among the 450 participating teams from across the country, the team of 5 students, Mayank Kumar, Adarsh Mishra, Ayush Namdev, Ayush Rathi, and Shadan Khan, accompanied by their mentor Dr. Sandeep Joshi, excelled in the competition. Its' innovation, "Self Cooled Solar PV Module System, and offers a significant improvement in the performance of solar photovoltaic modules, enabling enhanced electricity generation from PV systems. Dr Sandeep Joshi, mentor of the team informed that four patents have been filed on this innovation and he has already received two patent grants from the Indian Patent Office for similar techniques that enhance PV performance. The students and mentor thanked L&T EduTech for providing a great platform to exhibit their talent. They also expressed their gratitude towards the college for providing unwavering support both morally and financially to the project. The Principal of the college Dr. Rajesh Pande and Head of Mechanical Engineering Department Dr. Vishal Shukla congratulated the students for their achievement.

लोकमत समाचार

आरसीओईएम के विद्यार्थी चमके

नागपुर : श्री रामदेववावा कॉलेज ऑफ इंजीनियरिंग एंड मैनेजमेंट (आरसीओईएम) के मेकेनिकल इंजीनियरिंग के विद्यार्थियों ने नेशनल टैलेंट फेस्टिवल 2023 में शानदार प्रदर्शन करते हुए जीत अपने नाम की. यह फेस्टिवल एलएंडटी



एजुटेक ने आयोजित किया था. इसमें कॉलेज की टीम ने चेन्नई स्थित एलएंडटी मुख्यालय में हाल ही में हुए अंतिम मुकाबले में सेकंड रनरअप पोजिशन हासिल की. देशभर की 450 प्रतिभागी टीमों में से मार्गदर्शक डॉ. संदीप जोशी के नेतृत्व वाली आरसीओईएम के पांच विद्यार्थी मयंक कुमार, आदर्श मिश्रा, आयुष नामदेव, आयुष राठी और शदान खान की टीम ने इस प्रतियोगिता में शानदार प्रदर्शन किया. डॉ. संदीप जोशी और टीम के सभी विद्यार्थियों ने अपनी प्रतिभा सभी के समक्ष प्रस्तुत करने की दृष्टि से यह बड़ा मंच उपलब्ध कराने के प्रति एलएंडटी एजुटेक को धन्यवाद दिया है. प्राचार्य डॉ. राजेश पांडे और मेकेनिकल इंजीनियरिंग विभाग

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RCOEM students triumph at L&T EduTech National Talent Festival



Business Bureau

STUDENTS of Mechanical Engineering from Shri Ramdeobaba College of Engineering and Management (RCOEM) have emerged victorious at the National Talent Festival 2023, organised by L&T EduTech.

The team has clinched 2nd runner-up position in the grand finale of highly competitive event held recently at L&T headquarters in Chennai.

Among the 450 participating teams from across the country, the team of 5 students,

Mayank Kumar, Adarsh Mishra, Ayush Namdev, Ayush Rathi, and Shadan Khan, accompanied by their mentor Dr Sandeep Joshi, excelled in the competition.

The students expressed their gratitude towards the college for providing unwavering support both morally and financially to the project.

The Principal of the college Dr Rajesh Pande and Head of Mechanical Engineering Department Dr Vishal Shukla congratulated the students for their achievement in the prestigious event.

Students in Higher Studies.

1. Mr.Govind Rao a pass out of BE (MechEngg) 202-23 Batch got admission for pursuing M S Course in University of Illinois, USA
2. Mr Mayank Deshpande a pass out of BE (MechEngg) 202-23 Batch got admission for pursuing M S Course in University of Maryland, USA

Department of Chemistry

Faculty Corner

Publications

1. Dr.Sanjogta Meshram has published a paper titled 'A Systematic Review and Meta-Analysis of Randomized Controlled Studies on the Effects of Mulberry Intake on Cardiometabolic Risk Factors' on 10th May in European Chemical Bulletin ,Eur. Chem. Bull. 2023, with ISSN 2063-5346, Volumn 12, Special Issue 4,6368-6375, (Scopus Indexed Journal)

STTP/FDP/other Training Attended by Faculty

1. Dr. A. V. Bharati have attended a FDP on NBA Accreditation and Teaching Learning Process) from January to April 2023 (Date) organized by NPTEL.
2. Dr.Sanjogta Meshram have attended a FDP on NBA Accreditation and Teaching Learning Process from January to April 2023 (Date) organized by NPTEL.
3. Dr C. P. Pandhurnekar have attended a FDP on NBA Accreditation and Teaching Learning Process from January to April 2023 (Date) organized by NPTEL.
4. Dr. S. S. Butoliya have attended a FDP on NBA Accreditation and Teaching Learning Process from January to April 2023 (Date) organized by NPTEL.
5. Dr. S. L. Mudliar have attended a FDP on NBA Accreditation and Teaching Learning Process from January to April 2023 (Date) organized by NPTEL.
6. Dr. P. A. Mangrulkar have attended a FDP on NBA Accreditation and Teaching Learning Process)from January to April 2023 (Date) organized by NPTEL.
7. Dr. M. V. Joshi have attended a FDP on NBA Accreditation and Teaching Learning Process)from January to April 2023 (Date) organized by NPTEL.

Department of Physical Education

Faculty Corner :

Dr. Amrita Pande was the Organizing Secretary of the event organised by Maharashtra Sepak Takraw Association 33rd Senior National Sepak Takraw Championship at Mankapur Indoor Stadium from 01ST -05th April 2023. The event was graced by the presence of Hon. Shri Devendra Fadnavisji - the Deputy Chief Minister, Maharashtra. The ex-Dept CM, of Goa, Shri Chandrakant Babu Kavlekar was also present for the event. The collector of Nagpur, Dr. Vipin Itankar, Deputy Director - Shri Shekhar Patil, DSO - Pallavi Dhattrak, Shri Yogender Singh Dahiya Sir - Deputy President, Asian Sepak Takraw Federation and others.



Guest Lecture :

Physical Education Department organised a guest lecture of Dr. Aruna Dogra for Open elective (PET 299-1) students on 17th May 2023 on the subject “**Nutrition - A Holistic Approach**”

Sports Activities :

International Day of Yoga : In commemoration of the International Day of Yoga (IDY2023), the Department of Physical Education and NSS-Unit at RCOEM Campus organized an exclusive three-day yoga session from the 19th to the 21st of June 2023. The event was conducted in collaboration with the Yoga Vijnan Department of Kavikulaguru Kalidas Sanskrit University, Ramtek. A significant number of students and faculty members actively participated in this activity, highlighting the importance of yoga in promoting health and well-being.

IDY 2023 Schedule Details					
Date	Day	Time	For	Theme	Venue
19 th June 2023	Monday	7:00 am to 8:00 am	B. Tech I Year Students (Sec G, H, I) & Higher Semester Students	Nutrition & yoga	Main Audi
20 th June 2023	Tuesday		B. Tech I Year Students (Sec E, C, F) & Higher Semester Students	Yoga for Health and Wellbeing	Basketball Court
21 st June 2023	Wednesday		B. Tech I Year Students Sec (A, B, D) & All College Staff and Faculty	Stress Management and Power Yoga	Basketball Court
Online competition			Open for all students	Meme Making	





AAGAAZ 5.0: Intramural Recreational Games

Under the 5th edition of AAGAAZ 5.0, the Department of Physical Education, RCOEM organised 03 events in both Men and Women Category, the details of which are as follows :

Sr. No.	Event	Date	Total Teams	Total Participants	I Position	II Position
1	Tug of War (M)	04-20 May 2023	13	65	ECS	Challengers
2	Tug of War (W)	04-08 May 2023	03	15	Group of Tugs	Nova Nerve
3	Volleyball (M)	04-18 May 2023	16	32	Crazy Hitters	The Spartans
4	Volleyball (W)	04-08 May 2023	03	06	Team Toxic	MM
5	Basketball (M)	04-19 May 2023	15	45	The Three Amigos	Shooters
6	Basketball (W)	04-18 May 2023	05	15	Undertakers	Hoopers





National Service Scheme (NSS)

Cycle Rally : Cycling and Jogging Rally

The NSS Unit of Shri Ramdeobaba College of Engineering and Management, Nagpur, on the occasion of Bicycle Day and environment day, organized the “Cycling and Jogging Rally” which promotes Health, Sustainability, and Community Engagement.

The Cycle Rally, held on 04/06/2023, was a vibrant event that brought together cycling enthusiasts and environmentalist individuals from RCOEM to mark the significance of these days. Organized by the NSS Unit and the Physical Education Department, the rally aimed to promote the benefits of cycling, raise awareness about environmental sustainability, and foster community engagement.

The Rally witnessed participants of all years. Dr. Amit Anurag (HOD, Physical Education and NSS P.O), Prof. Saket Kanetkar Sir (Assistant Professor, Department of Physical Edu), Dr. Amrita Pande (Assistant Professor, Department of Physical Education) were present to assure the safety and proper conduct of the event.



National Cadet Corps (NCC)

Following NCC Cadets from RCOEM attended NCC Annual Training Camp (ATC) during 12-22 June at Saoner

Sr. No.	Student	Branch	Sem	Camp
1.	Ms. Ishita Jaiswal	ECE	IV	ATC
2.	Ms. Abhishree Kolharkar	ECE	IV	ATC
3.	Mr. Aryan Dhawankar	IND	IV	ATC
4.	Ms. Purva Ghoiæ	CYB SEC	IV	ATC
5.	Ms. Annaya Tivedi	EN	IV	ATC
6.	Ms. Mitual Rohal	IT	IV	ATC
7.	Mr. Bhusan Watker	CIVIL	IV	ATC
8.	Mr. Vedant Bhalerao	CSE	IV	ATC

Department of Humanities

Faculty Corner

Guest Lectures taken by faculty

Ms. Pratishruti Singh Agarwal delivered a lecture on Communication Skills for newly appointed faculty on 8th May 2023 at Shri Mohota Science College, Nagpur.

Dr. Akanksha Deshpande delivered 3 guest lectures for the VI Semester Biomedical Engineering students, on Group Discussion, Resume Drafting, and Personal Interview on 11th March, 1st April and 15th April 2023 in the Dept. of Biomedical Engineering, RCOEM.



Publications

STTP/FDP/other Training Attended by Faculty

1. Dr. Deepshikha Mehra, Dr. Akanksha Deshpande, Prof. Pratishruti Singh Agarwal, Prof. Jasleen Rihan, Prof. Sonal Trivedi and Prof. Lalit Kane completed a 12-week NPTEL FDP on Outcome Based Education, NBA Accreditation and Teaching and Learning in Engineering from January to April 2023. Dr. Monika Seth also completed a 4-week NPTEL course on Outcome Based Education from Feb-April 2023.

Departmental Activities

Field Visit to India Peace Centre by Department of Humanity

Date : 28th April 2023

Time : 5:30 PM to 7:00 PM

Venue : India Peace Centre, Rabindranath Tagore Marg, Civil Lines, Nagpur

Faculty In - charge : Ms. Pratishruti Singh Agarwal, Assistant Professor, Dept. of Humanities

Audience : B.E. 3rd year students of semester VI, studying open elective course, HUT 399-3 Orientation in German Language

A field visit was organized for the 6th semester students of our College, who are studying the course- HUT 399-3 Orientation in German Language (Open Elective). This field visit was a meeting between our students and German nationals, who are working as interns with India Peace Centre. The venue of the visit was India Peace Centre. Mr. Helge, one of the interns interacted with our students. They had an extensive discussion about German culture, lifestyle and higher education. The discussion involved comparison and contrast between India and Germany. Our students tried to speak in German language with Mr. Helge. A total of 26 students participated in the meeting. The students were immensely benefitted from this field visit and enjoyed interacting with Mr. Helge. Also, present at the end of the meeting was Mr. Angelious Michael, Director, India Peace Centre.

Student Achievements

'Elocution Competition on Welfare Schemes by Government of India'

By

Department of Humanities, RCOEM

Date : 28th June 2023

Conducted by : Department of Humanities, RCOEM

Event In-charge : Ms. Pratishruti Singh Agarwal, Assistant Professor, Dept. of Humanities

Audience : B.Tech. (Mechanical Branch) 1st Year Students of Semester II

The Department of Humanities organized an elocution competition on various welfare schemes by the Government of India on 28th June 2023 for the B.Tech First Year students of Section P. The students spoke on topics like- Make in India, Smart Cities Mission, Pradhan Mantri Jan Dhan Yojana and Integrated Child Development Services. This activity was conducted as per the directions received from the Director, Students Welfare, RTMNU (Letter dated 22/6/2023). This competition was conducted as a part of the students' co-curricular activities. The winners were given books as prizes by the hands of Dr. Deepshikha Mehra, Head, Department of Humanities, RCOEM.



Any other activity (s) :

Department of Humanities organized 'Birds of RCOEM' to mark World Environment Day on 5th June 2023

The Department of Humanities, Shri Ramdeobaba College of Engineering and Management (RCOEM), celebrated World Environment Day by organizing an open-air exhibition, 'Birds of RCOEM', which was inaugurated by Shri Avinash Londhe, Honorary Wildlife Warden, Nagpur Division.

Photographs of resident bird species seen on RCOEM campus, captured by Dr. Deepshikha Mehra, Head, Department of Humanities; Sanskar Motghare and Anuj Shrivastava, students of fourth semester, Civil Engineering and Artificial Intelligence & Machine Learning branches respectively, were displayed in the exhibition. A total of 104 bird species have been recorded on RCOEM campus between 2012 and 2023. The exhibition had displays on current findings in the State of India's Birds report. Also on display were various interesting bird facts, information on birds as bio indicators, and birds in Indian culture.

Shri Avinash Londhe interacted with the students and appealed to them to work for the conservation of birds. He said that birding requires both, passion and patience. Dr. Deepshikha Mehra encouraged the students to work for the conservation of environment. The programme was attended by the students and teachers of RCOEM in large numbers. Ms. Pratishruti Singh Agarwal, Assistant Professor, Department of Humanities, was the in-charge of the event.



On 9th June 2023 Maharashtra Sindhi Sahitya Academy Mumbai declared to award the Akhil Bhartiya Jeevan Gaurav Puraskar for the year 2020-21 to Dr. Vinod Asudani for his lifelong contribution to the field of literature. The award would consist of 1 lakh rupees and citation. It would be presented to him in the special ceremony at the hands of cultural minister Government of Maharashtra in a special function to be held later this year.

Department of Management Technology

Publications

1. Vandana Gandhi has published a paper titled “Merger Momentum Affecting Share Price: An Event Study on Indian Banking Sector” in Phalanx: A Quarterly Review for Continuing Debate, ISSN: 2320-7698, Volume-18 Issue-2, April-May-June 2023. (UGC Care Listed Journal).
2. Vandana Gandhi has published a paper titled “Impact of Stock Market Scams and Bad News on Investors Perception: A Quantitative Study of Retail Investors” in Journal of Informatics Education and Research, ISSN: 1526-4726, Volume-3 Issue-2, 2023. (ABDC). DOI No. <https://doi.org/10.52783/jier.v3i2.75>
3. CA Prashant Chhajer has published a paper titled “Factors Affecting Stock Market Movements: An Investors Perspective” in European Economic Letters with ISSN: 2323-5233, Volume-13 Issue-1, 2023. (ABDC). DOI No. <https://doi.org/10.52783/eel.v13i1.172>

Departmental Activities

Industry Visit Report



MBA Integrated SEMV students visited Logistics Park(I) Ltd, Kalmeshwar, Nimji on Friday 14th July 2023. A total of 46 students visited along with two faculty members. Mr. Sameer Fuley, HR Head, Logistics Park(I) Ltd. Interacted and guided students about the entire operations

The objective of this visit was to gain a comprehensive understanding of international freight forwarding, cargo handling, packing, and other details related to logistics. The visit aimed to provide insights into the processes involved in international freight forwarding. The event commenced with an introduction to Logistics, which was established in 2019.

Department of Computer Applications

Faculty Corner

Guest Lectures taken by faculty

1. Dr. Preeti Voditel, Prof. Satyajit S. Uparkar, Prof. Yoginee Pethe, Prof. Lalit Agrawal and Prof. Aparna Gurjar have delivered lectures on various topics in the Data Analytics & Project Insights training program organized between 12th-14th June 2023 at the NADT Campus, Nagpur.

Publications

1. Prof. Punam Khandar has published a paper titled Analyzing Machine Learning Techniques for Diagnosis of Thyroid Disease in International Conference on Advances in Computer Engineering, Communication Systems and Business Development (ICACECSBD-2023) organised by Institute for Engineering Research and publication (IFERP).
2. Prof. Satyajit S. Uparkar and Dr. Pravin Karmore along with DR. Sunita Dhote and Dr.Chandan Vichorey of Management Technology Department, presented a research paper on “Enhancing the Failure Mode and Effects Analysis Risk Prioritization Model Using Conservative Method Based on Enterprise Resource Planning Implementation” in International Conference on Advances in Computer Engineering, Communication systems and business development (ICACECSBD-2023) , organized by Institute for engineering and publication (IFERP) & S. S. Maniar college of Computer and Management, Nagpur dated 26th -27th May 2023.
3. Dr. Pravin Karmore, Prof. Satyajit S. Uparkar and Prof. Vishnu Vardhan Budati , along with Dr. Rahul Mohare of Management Technology Department, presented a research paper on “Bag of Words’ to ‘Bag of Concepts’: Improving Text Categorization using SVM” in International Conference on Advances in Computer Engineering, Communication systems and business development (ICACECSBD-2023) , organized by Institute for engineering and publication (IFERP) & S. S. Maniar college of Computer and Management, Nagpur dated 26th -27th May 2023.

Departmental Activities

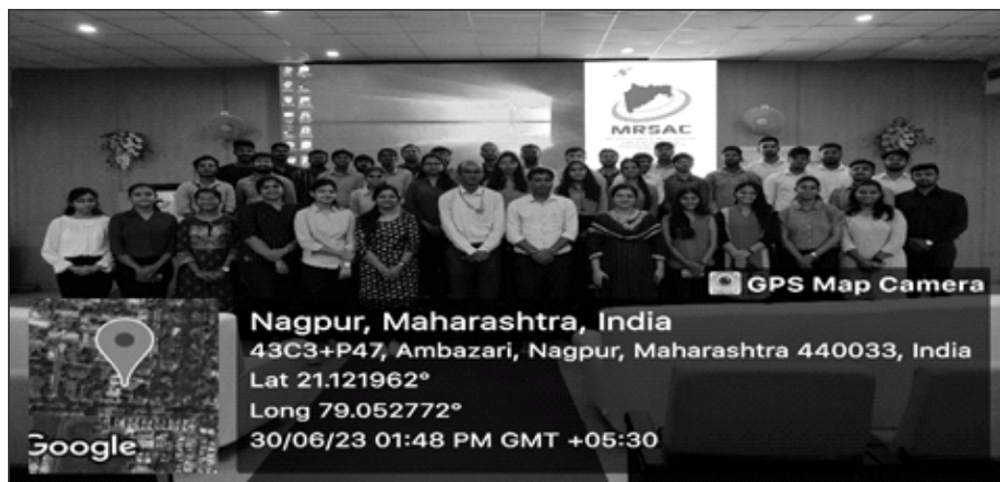
Industrial Visits MCA Final Year batch of Shri Ramdeobaba College of Engineering and Management visited Torana Inc. R&D Center at IT Park, Nagpur on 13th May 2023. Prof.SatyajitUparkar, along with Dr. Sachin Upadhye, leded the company visit for 45 students. The visit started with Shubhada Jambhekar showing the server room to the students. She explained the specifications & exact purpose of the servers that are used for testing ToranaInc’s proprietary softwares. Followed by that, Shubhada Jambhekar gave a presentation on company profile & company culture. She covered the entire story of Torana as well as iCEDQ, Torana’s software which has an esteemed client list including some of the Fortune 500 companies in the USA. After that, Mr.Vipul Bhangе, Senior Software Developer, gave a technical presentation on the topic - ‘Microservices’. Finally, there was a Q&A round, in which the Torana team answered students’ queries. In the end, Prof.SatyajitUparkar thanked & felicitated the ToranaInc team for a well-organized visit. The feedback given by the MCA students on seven parameters included Server room Demonstration, Presentation on Work culture, Technical Session, Time Management, Q&A session, Hospitality and Overall rating of the visit. The Student response was excellent, which indicates a great success of this visit.



MCA Final Year Students at Torana Inc. R&D Center at IT Park, Nagpur

Final Year students of MCA department of Shri Ramdeobaba College of Engineering and Management visited Maharashtra VNIT campus, Nagpur on 30th June 2023. Prof.Manda Ukey and Prof.Lalit Agrawal, coordinated the visit. In all 40 students participated and were benefitted from the visit. remote sensing application center (MRSAC),

Mr. Apturkar, Associate scientist, gave a brief introduction about the center. The presentation covered topics related to the domain, tools and technologies on which MRSAC is working. The presentation was detailed & covered various areas related to Earth, Atmosphere & Environment Sciences, Engineering Sciences. Finally, there was a Q&A session. In the end, Prof.Lalit Agrawal and Prof.MandaUkey thanked & felicitated Mr.Apturkar. The student's response was excellent, which indicates a great success of this visit.



Final Year students of MCA at remote sensing application center (MRSAC), Nagpur

MCA Parents- Teachers meet

Parents - teachers meet was conducted by the Department of Computer Applications on 24th June 2023 for Semester-2 and Semester-4 students, 11:00 am onward. The parents and students were made aware of the continuous assessment pattern, the placement efforts and the other best practices of the Department. The parents interacted with the Head of the Department, Dr. P. S. Voditel.



Class teachers interacting with Parents



Dr. Preeti Voditel, HOD MCA interacting with Parent

Chrysalis

Students Forum Installation Program Chrysalis 2023 was conducted on 20th-21st May 2023. The two Days program included Technical day, Sport Day, Cultural night and a formal Installation Program. The young and successful Entrepreneur, Mr. Sumeet Gattewar was the chief guest of the function. The MCA SRC Team along with winners of various events were given Trophies and Certificates. Student President Mr. Mrinal Chaudhary highlighted the various activities carried out under Chrysalis 2023. Prof. S. S. Uparkar, Student incharges delivered the MCA Department Achievements during the session 2022-23. Dr. Preeti Voditel motivated students to hone their Leadership qualities. The event was a grand success.



The chief guest Mr. Sumeet Gattewar lighting the traditional lamp



Sports activity in Chrysalis



Chrysalis cultural night dance performance

Guest Lectures organized in Department

Mr. Mohit Sharma , MCA Alumni working as AVP- Lead at Barclay, Pune, delivered an Expert session on topics-System Design , Backend Development and Role of Cloud on 29th April 2023. Around 45 students of Semester IV attained this on-line session.

Mr. Rajesh Nagwekar of Kofax solution, Hyderabad, conducted a session for MCA Semester II on 19th May 2023. The major highlights of the session included preparation for the Day -1 Companies ' drives, the various platforms on latest trends and expectation of the companies from the freshers. He also talked about the importance of academic projects, certifications and Global raking. Total 65 students of MCA Semester II, were present during this session.

State Level e-Poster Competition

The Department of Computer Application organized a State Level e-Poster Competition on “IoT Applications and Its Concepts” on 30 June 2023. Total 61 students were present from different state level colleges. The participants were from Walchand College of Engineering Sangli; Symbiosis Institute of Technology Nagpur; Yashwantrao Chavan College of Engineering Nagpur; St. Vincent Pallotti College of Engineering and Technology; Nagpur. Mr.Chinamay Nege won the First Prize from Ramdeobaba College of Engineering and Mr.Raghav Uparkar and team won Second prize from Symbiosis Institute of Technology. Mr.Vedang Date and Ms.Pranjali Kadoo also won Second prize.

Dr. Sachin Upadhye was convenor of event under the guidance of Dr. P. S. Voditel ,HoD, Department of Computer Application.



Student presenting a poster



Experts judging the poster competition

Students' Corner

Toppers List :-

Sr.No.	First Year (CGPA)	Second Year (CGPA)
1	Sakshi Hemant Bidkar (10)	Dhruvi Natvar Trivedi (10)
2	Harshal Sanjayrao Gohane (9.95)	Mrinal Nekraj Choudhary (10)
3	Neha Santosh Muthreja (9.95)	Aasakti Vinay Bhongade (10)
4		Priti Chandrabahadur Rana (10)

Student Achievements :-

Akanksha Pandey, Akрати Jain, Nandita Sharma and Nisha Dubey have presented the paper titled "Image Captioning- A Deep Learning approach using CNN and LSTM Network" at the third international Conference on Pervasive Computing and Social Networking (ICPCSN 2023), Salem, Tamilnadu, India.

Any other activity (s) :

Dr. P. Voditel and Prof. Yoginee Pethe were appointed as a members of the audit committee for conducting audit for the introduction of Master of Computer Application programme in GHRIMR, Nagpur.

Prof. Punam Khandar and Prof. Ankita Mehta filed a patent titled " A Sun Shield For A Vehicle Window " and it is published in Indian Patent Journal on 9th June, 2023.

Namasys Recruitment Drive for unplaced students was conducted in three MCA labs on 12th May 2023. Total 65 MCA students along with 13 M. Tech. appeared for this drive. The online test included aptitude and the technical MCQs. The shortlisted students were called for the personal interviews.



Namasys Recruitment Drive

The MCA Department conducted the inaugural function of Entrepreneur Development Cell on 21st May 2023. Mr. Sumeet Gattewar was the Guest of honour during this event. The Department Head Dr. P. S. Voditel along with Ed Cell In charge Prof. Lalit Agrwal and Prof. Ankita Meheta, Student Coordinators Kirtikesh Mendhe, Sumit Dahke and Bhavna Dhage discuss about the activities to be planned under MCA ED Cell. Mr. Sumeet helped in preparing A Department Calendar for the session 2023-24.



Entrepreneur Development Cell inaugural function

In the session 2022-23, 125 MCA Semester –II students were provided the 30 hours, Value Added Course on “Aptitude Enhancement”. Mr. Manmath Desphande, rigorously conducted these session from 6th May 2023 to 12th July 2023. He covered all the topics related to the aptitude test of the MNCs, and the competitive examination. Students responded to a remarkable feedback for this Course.



Mr. Manmath Desphande conducting Value Added Course on “Aptitude Enhancement

TEMPLE REPORT

Date	Event	Activity
01-04-2023	Bhajan Sandhya	Bhajan By Shri Ramdeobaba Bhakt Kirtan Mandal
04-04-2023	Sunderkand	Sunderkand by Shri Ramdeobaba Bhakt Kirtan Mandal
08-04-2023	Bhajan Sandhya	Bhajan Sandhya by Shri Ramdeobaba Bhakt Kirtan Mandal
11-04-2023	Sunderkand	Sunderkand by Shri Ramdeobaba Bhakt Kirtan Mandal
15-04-2023	Bhajan Sandhya	Bhajan Sandhya by Shri Ramdeobaba Bhakt Kirtan Mandal
18-04-2023	Sunderkand	Sunderkand by Shri Ramdeobaba Bhakt Kirtan Mandal
21-04-2023	DUJ	Jamma by Ujwal Ji Khakoliya
22-04-2023	Akshay Tritiya	Baba Ka Byawala by Santosh Upadhyay
25-04-2023	Sunderkand	Sunderkand by Shri Ramdeobaba Bhakt Kirtan Mandal
29-04-2023	Bhajan Sandhya	Bhajan Sandhya by Shri Ramdeobaba Bhakt Kirtan Mandal
02-05-2023	Sunderkand	Sunderkand by Shri Ramdeobaba Bhakt Kirtan Mandal
06-05-2023	Bhajan Sandhya	Bhajan Sandhya by Shri Ramdeobaba Bhakt Kirtan Mandal
09-05-2023	Sunderkand	Sunderkand by Shri Ramdeobaba Bhakt Kirtan Mandal
13-05-2023	Bhajan Sandhya	Bhajan Sandhya by Shri Ramdeobaba Bhakt Kirtan Mandal
16-05-2023	Sunderkand	Sunderkand by Shri Ramdeobaba Bhakt Kirtan Mandal
21-05-2023	DUJ	Bhajan Sandhya by Shri Ramdeobaba Bhakt Kirtan Mandal
23-05-2023	Sunderkand	Sunderkand by Shri Ramdeobaba Bhakt Kirtan Mandal
27-05-2023	Bhajan Sandhya	Bhajan Sandhya by Shri Ramdeobaba Bhakt Kirtan Mandal
30-05-2023	Sunderkand	Sunderkand by Shri Ramdeobaba Bhakt Kirtan Mandal
03-06-2023	Bhajan Sandhya	Bhajan Sandhya by Shri Ramdeobaba Bhakt Kirtan Mandal
06-06-2023	Sunderkand	Sunderkand by Shri Ramdeobaba Bhakt Kirtan Mandal
10-06-2023	Bhajan Sandhya	Bhajan Sandhya by Shri Ramdeobaba Bhakt Kirtan Mandal
13-06-2023	Sunderkand	Sunderkand by Shri Ramdeobaba Bhakt Kirtan Mandal
17-06-2023	Bhajan Sandhya	Bhajan Sandhya by Shri Ramdeobaba Bhakt Kirtan Mandal
19-06-2023	DUJ	Bhajan Sandhya by Shri Ramdeobaba Bhakt Kirtan Mandal
20-06-2023	Sunderkand	Sunderkand by Shri Ramdeobaba Bhakt Kirtan Mandal
24-06-2023	Bhajan Sandhya	Bhajan Sandhya by Shri Ramdeobaba Bhakt Kirtan Mandal
27-06-2023	Sunderkand	Sunderkand by Shri Ramdeobaba Bhakt Kirtan Mandal

“**Krishna Vande Jagadgurum**”, a book written by Shri. Shyamsundar Rathi, Executive member of Shri. Ramdeobaba College of Engineering and Management (RCOEM) was launched at the hand of Shri. Harikirtan Dasaji, Vice President, ISKCON Nagpur, President, ISKCON Cultural Centre, Nagpur and alumnus of Civil Engineering (1991 Batch), RCOEM. Shri. Satyanarayan Nuwal, Chairman RCOEM, Shri. Shyamsundar Rathi, author of the book, Shri. Rajendra Purohit, General Secretary and Dr. Rajesh Pande, Principal were present on the Dais. After the lighting of the traditional lamp, Dr. Vandana Gandhi introduced the book to the gathering. Dr. Vishal Shukla read the greeting message sent by the Founder and Chairman Emeritus Shri. Banwarilal Purohit, Hon’ble Governor of Punjab and Administrator, Union Territory of Chandigarh. He also read the message sent by Vice-Chairman of the Institute Shri. Chandrakantbhai Thakar.



SRC Activity

Student Achievements

Sr No.	Name of Student	Event	Achievement	Date
1.	1. Sumant Sherki 2. AvantikaKhanorkar 3. SharvariWakhre 4. MitaliMeshram 5. Shakt Zanzari 6. GargiWardekar 7. Vaidehi Chavan 8. Amrit Raj Singh 9. Sneha Thakur 10. Gokul Gupta 11. Tarun R. Mishra 12. Akshita Gupta 13. Sagar Dave 14. Sejal Jagtap 15. Rohit Raut	Raazmataaz, Intercollegiate Dance competition, Yeshvantrao Chavan College of Engineering	Won 1st position in Dance Competition	16th-23rd April 2023

Reflection

NEWSLETTER

SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT, NAGPUR

Ramdeobaba Tekadi, Gittikhadan, Nagpur - 440013

Phone : 0712-2580011, Website : www.rknec.edu



Shri Ramdeobaba Temple on Campus

RCOEM

Shri Ramdeobaba College of
Engineering and Management, Nagpur

TEAM MEDIA EXPRESSION

EDITOR & COORDINATORS

Dr. Vandana Gandhi

Department of Management Technology

Dr. Prachi Salodkar

Department of Electrical Engineering

Prof. Vikas Gupta

Department of Electronics Engineering

Dr. Cynita Christy

Librarian

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