

RCOEM

Shri Ramdeobaba College of
Engineering and Management, Nagpur

Reflection

Newsletter

Volume : MMXXII | Issue : 3 | July-Aug-Sep 2022

IN THIS ISSUE

• RCOEM-TATA-CIIT	1
• Department of Civil Engineering	7
• Department of Computer Science and Engineering	8
• Department of Electrical Engineering	15
• Department of Electronics Engineering	20
• Department of Electronics and Communication Engineering	24
• Department of Biomedical Engineering	30
• Department of Industrial Engineering	37
• Department of Information Technology	40
• Department of Mechanical Engineering	42
• Department of Chemistry	44
• Department of Humanities	46
• Department of Physical Education	48
• Department of Computer Applications	61
• Department of Management Technology	64
• Temple Report	68

LETTER FROM THE EDITOR

“The Key to success is to focus on goals, not obstacles” with this inspiration the second quarter of the calendar year started with new research projects, consultancies , placement activities and a lot.

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.

Overall, this quarter saw the college delivering and gearing up for the innovation and trying to achieve new milestones, as once said:

“Anything’s possible if you’ve got enough nerve.” – J. K. Rowling

Happy reading!!!

RCOEM-TATA-CIIT

Laboratory Sessions :

Industry delivered elective: IoT and Industry 4.0 (for 7th semester students of **Mechanical Engg.**) is running at CIIT. It was delivered by an **Industry expert Mr. Nilesh Sahare, Director and CEO at Bliinc Innovations Pvt. Ltd.**



Mr. Nilesh Sahare delivering the lecture

Lab sessions of Internet of Things (IoT) for 7th Semester Students of **Mechanical Engg.**, were conducted by Prof. Ashlesh Jaiswal (EC Dept.)



IoT Practicals conduction by Prof. Ashlesh Jaiswal

The interns at **Inno Venture Technologies** utilized the facilities of CIIT. They developed a low-cost product for **Remote health care and Diagnostics** which will primarily help to detect heart related health issues accurately. They work under the guidance of Alumus of RCOEM Shri Rahul Laddhad and Shri Anuj Sharma from 5th July 2022 onwards.

The below mentioned students of Final and Third Year worked on the Project:

Sr.no.	Name	Department
1	Aditya Pathak	IT
2	HuzefaEssaji	ECE
3	Vivek Kaushik	ECE
4	Chandrakant Mohadikar	ECE
5	ParthBhalerao	ECE
6	Ishan Mittal	CSE
7	Akash Nair	ECE



Students working on remote health care and diagnostics project

Students Engagements & Participation in RCOEM Activities:

1. Ayushi Mishra, Devang Baheti and Himangi Pilkawar Students of Final year IT, utilizing the lab for designing & testing their model **“Pothole and Speed Braker Detection &Alert System”**.
2. Tanaya Wadibhasme, Gayatri Ladsawangikar and Sandep Sureka Students of Final year IT, utilizing the lab for designing & testing their model **“DhurvTara-The Blind Guiding Stick”** in the Machine Learning & Internet of Things (IoT) Lab.
3. Ravish Dhawan, Aditya Mande, Yashwant Lalwani and Manan Agrawal, Students of Final year EN, used 3D Printer for designing the Prototype of **“Casing of Device”** for the grand finale of **Smart India Hackathon**.



4. Prof. Jitendra Zalke (EN) was provided with a 3D printed box for his experimental research work “**Ultrasound Method for Glucose Testing**”.



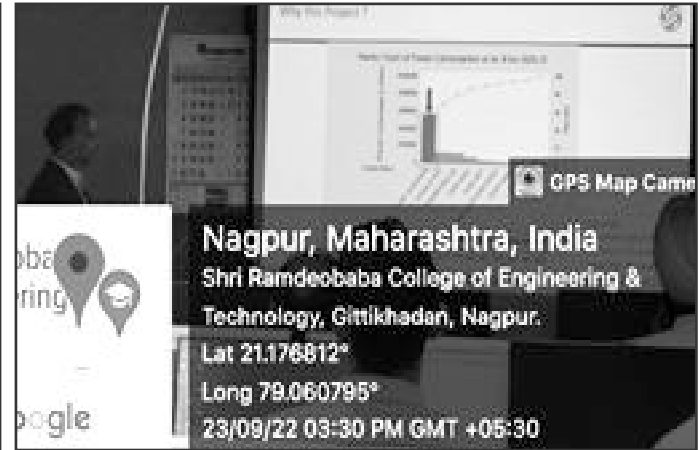
Case Study Presentation (ICRDME-22):

Department of Mechanical Engineering, Shri Ramdeobaba College of Engineering and Management has organized “**International Conference on Recent Developments in Mechanical Engineering (ICRDME-2022)**” from 23rd and 24th September 2022.

Three case studies were presented at Innovation Design & Incubation Center of CIIT on 23rd Sept. 22.

The conference focused on core and multidisciplinary developments in Mechanical Engineering and Industry 4.0 technologies. In additions to the areas like design, energy, manufacturing the talks on IoT, Mechatronics, Robotics & Automation, Sustain ability and innovation are to be deliberated.

Sr.no.	Name	Designation	Industry
1	Mr. SanguSahare	Deputy Manager	Ashok Leyland Ltd
2	Mr. U. S. Bhalerao	Senior Manager	Ashok Leyland Ltd
3	Mr. Satish Girhepuje	General Manager	Sharda Shree Ispat Ltd.



Mr. U. S. Bhalerao & Mr. Sangu Sahare presenting case study



*Presentation by Industry Participants Mr. Satish Girhepuje
(General Manager) Sharda Shree Ispat Ltd.*

Visit of Eminent persons to RCOEM-TATA-CIIT:



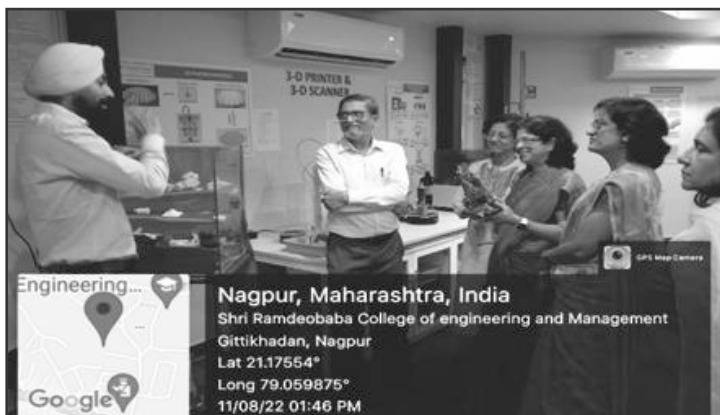
§Mr. Amit Chaurasiya from L&T Larsen & Toubro EduTech visited CIIT on 10th Aug. 2022.



Mr. Jay Motghare of Nirmiti Robotics Ltd., Nagpur visited CIIT & Interacted with 2nd year students of Mechanical and Electronics Department on 11th Aug. 2022.



Dr. Rajpal Singh Kashyap from Central India Institute of Medical Science, Nagpur visited CIIT on 29th Aug. 2022.



Dr. Madhura Rathod, Dr. S. P. Godbole, A. V. Pendse, officiating Principal Dr. Pratima Dhoke from Smt. Manoramabai Mundle College of Architecture, Nagpur visited CIIT on 11th Aug 22.



Dr. Devendra Kawday, Advisor of NAAC from Bangalore visited CIIT on 29th Aug. 2022.



HODs of JD College of Engg. & Management visited CIIT on 17th Sept 22.



Dr. Madhurima Chattopadhyay of Heritage Institute of Technology from Kolkata visited CIIT on 02nd Sept. 22.

There are a few following visits:

Sr.no.	Name	Organization	Date
1	Students & Faculty (Mech. Engg.)	Jhulelal Institute of Technology College of Engg.	5 th July 22
2	Mr. Lohare & Mr. Kavekar	Vidyavardhini College of Engg. & Technology from Vasai, Mumbai	19 th July 22
3	Dr. Mahesh Shukla (HOD Mech. Engg.)	Cummins College of Engg. For women, Nagpur	21 st July 22
4	Dr. Mragna Gupta, Manager of TBI	G. H. Raisoni College of Engg, Nagpur	3 rd Aug 22
5	Students (Mech. Engg.)	Cummins College of Engg. For women, Nagpur	5 th Aug 22

DEPARTMENT OF CIVIL ENGINEERING

Faculty Corner

Publications :

Prof. Hariom Khungar presented a paper on Study of Microstructure of Recycled Aggregate Concrete : A sustainable approach in International Conference on Smart and Sustainable Technologies for Disaster Resilient Infrastructure, SST-DRI 2022 organised on 29th - 30th September - 2022 at Shri Ramdeobaba College of Engineering & Management, Nagpur.

STTP/FDP/other Training Attended by Faculty

- 1) Prof. Hariom Khungar attended, AICTE TRAINING AND LEARNING (ATAL) ACADEMY Sponsored Two-Week Faculty Development Program on Behaviour and Design of RC and Steel Structures from September 19th – September 30th, 2022 organised by Department of Applied Mechanics Visvesvaraya National Institute of Technology Nagpur.
- 2) Dr. Anand Gharad attended, AICTE TRAINING AND LEARNING (ATAL) ACADEMY Sponsored Two-Week Faculty Development Program on Behaviour and Design of RC and Steel Structures from September 19th – September 30th, 2022 organised by Department of Applied Mechanics Visvesvaraya National Institute of Technology Nagpur.
- 3) Dr. Sharda Siddh attended, AICTE TRAINING AND LEARNING (ATAL) ACADEMY Sponsored Two-Week Faculty Development Program on Behaviour and Design of RC and Steel Structures from September 19th – September 30th, 2022 organised by Department of Applied Mechanics Visvesvaraya National Institute of Technology Nagpur.

DEPARTMENTAL ACTIVITIES

Conference, STTP and Guest Lectures organized in Department

S. No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1	International Conference on Smart and Sustainable Technologies for Disaster Resilient Infrastructure, SST-DRI 2022 organised on 29-30 September-2022	Keynote speakers Dr. Gajanan Sabnis - Washington USA Dr. Dukiya Jaiye - Nigeria Dr. Ehsan Farsangi - Iran Dr. Deepak Sharma - California Dr. S. K. Barai - BITS Pillani Dr. Vimal Gahlot - Bikaner	2 days	29-30 Sept. 2022
2	Guest Lecture on “Lakes of Nagpur City: Present Situation & Measures & by Mr. Mohammed Israil 28 th Sept. 2022 No. of Students: 65	Mr. Mohammed Israil Rtd., NMC officer	2 hours	28 th Sept. 2022

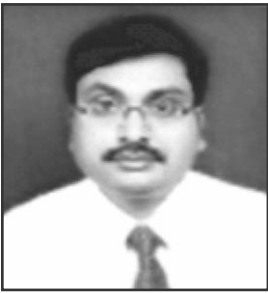
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Faculty Corner

Faculty Ph.D. Awarded

Prof. Vasundhara Rathod, Assistant Professor, Department of Computer Science and Engineering has been notified to be eligible for the award of Ph.D degree in Computer Science and Engineering from Indian Institute of Information Technology, Nagpur on 23rd September 2022. The title of her research was “EEG Speech Imagery: Language Model Assisted Deep Network for Character Recognition and Dataset Augmentation”. The research was carried out under the guidance of Dr. Ashish Tiwari, Assistant Professor, VNIT and Dr. Omprakash G. Kakde, Director, IIIT, Nagpur.





Prof. Abhijeet Ramesh Raipurkar, Assistant Professor, Department of Computer Science and Engineering has been notified to be eligible for the award of Ph.D degree in Computer Science and Technology from RTM-Nagpur University on 6th October 2022. The topic of the research was “An Approach for Optimizing Queries on Materialized Views in a Dynamic Distributed Environment”. The research was carried out under the guidance of Dr. Manoj B. Chandak, Professor & Dean Academics, RCOEM Nagpur.

Guest Lectures taken by faculty

Prof. Abhijeet R. Raipurkar has delivered a guest lecture on “Cyber Awareness” on 1st September 2022 at Prof. Ram Meghe Institute of Technology and Research (PRIMTR), Badnera, Amravati.

Patents

Patent application No.202021049279 titled “A SYSTEM FOR REAL TIME PAYMENT USING RANDOM FACIAL GESTURES” filed by RCOEM, Kanak Kalyani, Vrushali Bongirwar, Devishree Naidu and Shubhangi Tirpude has been granted on 05/08/2022. This invention includes designing of the system for real time payment using random facial gestures and providing a strong authentication mechanism for digital payments. The system includes modules for face detection, recognition and gesture recognition enabled under two-factor authentication to unlock the data.

Publications

Prof. Khushboo Khurana, Dr. Umesh Deshpande published a paper titled 'Video localized caption generation framework for industrial videos' in the Journal of Intelligent & Fuzzy Systems ,ISSN 1064-1246(P), Vol. 43, pp. 4107-4132,(Aug-2022) SCI.

Prof.Vasundhara Rathod published a paper titled 'Wading corvus optimization based text generation using deep CNN and BiLSTM classifiers' in the journal Biomedical Signal Processing and Control (Elsevier), E-ISSN: 1746-8094, Vol. 78(C)(Sept-2022) SCI.

Prof. Dilip Kumar A. Borikar published a paper titled 'Next Word Prediction using Deep Learning Approach' in the Neuro Quantology, E-ISSN:1303-5150, Vol.20 Issue 11, Pg. 247-253 (Sept-22) Scopus.

STTP/FDP/other Training Attended by Faculty

1. Dr. Y. N. Thakare attended a FDP on “Emerging Trends in Contemporary Technologies” from 11-Jul-2022 to 16-July-2022 organized by School of Computing science, Shree STC, Pollachi
2. Dr. Y. N. Thakare attended a Workshop on Design and Modelling of IOT, AI & ML Systems from 1-Aug-2022 to 5-Aug-2022 organized by AICTE, ATAL Academy & ARM education and STMICROELECTRONICS
3. Prof. D. A. Borikar attended a STTP (ISTE Sponsored) on Advanced Tools for Research Writing from 28-June-2022 to 2-Jul-2022 organized by PRP-COEM, Amravati

4. Prof. D. A. Borikar attended a FDP (IEEE Sponsored) on Recent Trends in Deep Learning from 1-July-2022 to 7-July-2022 organized by GHRIET, Nagpur and TCET, Mumbai
5. Prof. D. A. Borikar and Dr. Pratik Agrawal attended a FDP (AICTE & MOE's IIC sponsored) on Entrepreneurship, Innovations & Digital Skills in New Era of AI from 25-Jul-2022 to 29-Jul-2022 organized by MIT, Moradabad
6. Prof. W. H. Bisen attended a FDP on Practical Aspects of ICT Tools & Online Teaching in Current Scenario from 19-Aug-2022 to 25-Aug-2022 organized by Research Foundation in India (RFI-CARE)
7. Prof. Vrushali Bongirwar and Prof. Shubhangi Tirpude attended a FDP on IoT Induced Artificial Intelligence for Emerging Computing Paradigms from 4-Oct-2022 to 8-Oct-2022 organized by Dr B. R. Ambedkar National Institute of Technology, Jalandhar
8. Dr. Pratik K Agrawal attended a FDP on Recent Trends in Robotics from 4-Jul-2022 to 15-Jul-2022 organized by Ministry of Electronics & Information Technology, Govt of India
9. Prof. Rina Damdoo attended a FDP on Deep Learning for Computer vision, Speech and NLP: Research and Application Perspective from 27 -06-2022 to 1-Jul-2022 organized by PSG college of Technology in association with PSG center for Academic Research and Excellence

DEPARTMENTAL ACTIVITIES

AARHANT

AARHANT'22, the first of its kind Cyber Security Awareness week, organized by the Department of Computer Science and Engineering (Cyber Security), Shri Ramdeobaba College of Engineering and Management (RCOEM) in collaboration with Vigilante Cyber Forces (VCF), Nagpur was held from 6th to 10th September 2022. The event was intended at establishing a much-needed awareness amongst the public and students for cyber security.

Chief Guest Shri. Amitesh Kumar, the Commissioner of Police, Nagpur. He expressed concern about the lack of cyber-security awareness among the general public including the youth of India. While analysing the national safety of developed vs. developing countries, Shri. Amitesh Kumar emphasized that a developing country like India cannot track every person like in the United States and European countries. But unlike them, the public security policies established in India do not change policies according to who is demanding them. He also cautioned students about the use of social media and not falling for traps involving financial shortcuts or enticing posts. On a concluding



The Chief Guest, Shri. Amitesh Kumar, the Commissioner of Police, Nagpur accompanied by Dr. A. J. Agrawal, HOD, CSE and Dr, R. S. Pande, Principal RCOEM.

note, he stated how even the cyber-literate population falls for such crimes as OTP fraud. He praised the students' initiative for cyber awareness. He concluded that the Police department has limited resources, and awareness events like Aarhant have a great impact on society. He expressed his enthusiasm about the Police department supporting such initiatives in the long term. They are also expecting student contributions to spread awareness about cyber threats.

The Cyber Week successfully concluded with conduction of 10 competitions of both technical and cultural domains, 4 seminars by industry experts, fun events and much more.

Geek For Geeks Chapter

The department has taken initiative to start a Geeks For Geeks (GFG) RCOEM Student Chapter that aims to promote the coding culture on the campus and expose students to the innovative technologies that dominate the industry. The Chapter will provide a platform to cultivate coding temperament amongst students, with a wide array of fun events, interesting workshops, and contests. The chapter aims to organize events like coding contests, webinars, project cohorts, placement preparation sessions, workshops etc. This will ultimately help students to explore their interests and advance in their respective competencies. Chapter Leaders are students from III year Mr. Kush Munot (President), Rohit Chandak (Vice President) and faculty advisor Prof. Vasundhara Rathod.

Intel Student Developer Club - AI Workshop Series

The event was a workshop series on Artificial Intelligence. The event was organized keeping in mind the AI beginners. This series was conducted for 3 days, providing a hands-on briefing and well managed interactive session. The workshops were scheduled between 29th-31st August at 07:00 PM, which were basically a 2-2.5hr session (each day), with Openvino Toolkit session of 1-1.5hr on the last day. Each workshop was separate, with separate registration links.

- Workshop 1 – Intro To Deep Learning (29th August, 2022 7 - 9 PM)
- Workshop 2 – Time Series Forecasting (30th August, 2022 7 - 9 PM)
- Workshop 3 – Computer Vision (31st August, 2022 7 - 9 PM)
- Workshop 4 – An Overview of OpenVino Toolkit (31st August, 2022 7 - 9 PM)

The instructors of this event were mainly 3rd year team members, and Sayandeep Ghosh (Intel Student Ambassador) for the OpenVino Toolkit workshop. The great coordination between each team, made the event grant success, with a large number of registrations from RCOEM and other colleges.

At the concluding part of each session, the event material and a feedback link was shared with all the registered candidates, within the live session, event Whatsapp group of registered attendees and through mails. Feedback were awarded with the event completion certificate, undersigned by Prof. P.R. Pardhi (ISDC Faculty In-Charge) and Sayandeep Ghosh (ISDC Lead), except the OpenVino Toolkit whose certificates were awarded by Intel on the successful completion of quiz (link shared by Intel with ambassadors).

A step towards Competitive Programming

Google Developer Student Club (GDSC), CSE, RCOEM organized an offline event “A Step towards Competitive Programming” from 19th August 2022 to 3rd September 2022 for 1st year students of RCOEM. An offline session was conducted on 19th and 20th August to explain the importance of competitive programming. The students were allocated a task to be completed within 2 weeks. Doubt solving session was conducted on 27th August 2022. The event's primary objective of the event was to instill the importance of competitive programming practices among beginners. The participants gained first-hand experience with C and C++ programming techniques. They also gained insights into various competitive programming events and platforms. The team also created a leader board for the students to monitor their progress and track their competitions. The event concluded on 3rd with many positive feedback. About 349 students participated in the event and were benefited.

Bappa Ka Prashad 2.0

Google Developer Student Club (GDSC), CSE, RCOEM organized an International Level online Coding contest “BappaKaPrashad 2.0” a Google flagship event on Monday, September 5th 2022. It was organized on the CodeChef platform. The contest received participation from 30+ colleges in India including various IITs and NITs. The contest even attracted international participation from countries like China, Japan, Bangladesh, Canada, etc. GDSC RCOEM partnered with CodeChef as the platform partner and GFG FET as sponsors. A total of 864 students participated in the event.



Leader Board of the coding competition

Seminar on “How to prepare for an interview”

Department of Computer science and engineering (AIML), Shri Ramdeobaba College of Engineering and Management, Nagpur organized a seminar on “**How to prepare for an interview**” on thursday the 22 September 2022.

Mr.Sujal Agrawal and his classmates, CSE Final Year students, RCOEM were the key speakers for the program. During their address to V-Sem AIML students, they laid stress on the importance of co-curricular activities in the overall personality development of a student and encouraged them to excel in all the fields to achieve their career goal. They shared their experience while facing interviews of reputed companies coming to college for the placement. Mr.Sujal motivated all the students to do master in C language as well as other programming languages so that it's easy for them to pass in any interview easily.

All AIML students were prominently attending the program and felt very confident after the program.

Department of Computer science and engineering (AIML), Shri Ramdeobaba College of Engineering and Management, Nagpur organized a seminar on “Career Prospectus in the Software industry” on 27 Sept. 2022.

Mr.Kaushik Roy, Dean CDPC, RCOEM was the key speaker for the program. In his presentation he discussed the career opportunities available in the market for the specialized engineer in the field of AIML, Data Science and Cyber Security.

Sir also guided students on what are the important factors which will make your resume strong to get shortlisted during the interview process.

Total 130 students (AIML=50, Data Science=30, Cyber Security=50) have attended the above program.

Parents Meet

The Parent's Meet for the VII Semester, Session 2022-23 was conducted on 10th September, 2022. Parents interacted with Dr. A. J. Agrawal, HOD, CSE and Faculty members. They discussed results, placement activities, internships, and prominent achievements of CSE students.

STUDENTS' CORNER

Student Achievements

1. Team ATMANIRBHAR won the 1st prize at Smart India Hackathon (SIH)-2022 for PS code: DR725. They attempted the Problem statement of AICTE belonging to Smart Education Domain, having PS code: DR725 at Namakkal, Tamilnadu Nodal centre. The problem statement was- Geotagging of all educational institutions integrated with virtual tourson Bharat Map. The team members were Rishabh Jain (Team Leader), Rushikesh Kale, Atharva Paliwal, Aditi Mukte, Manawini Verma and Ayush Shete from third year and final year. They won a prize money of Rs. 1 lakhs. Prof.A.Raipurkar and Prof. D.A. Borikar were the mentors of the team.
2. Team ELYSIAN won the 1st prize at Smart India Hackathon (SIH)-2022 for PS code: NS1224. They attempted the Problem statement of Ministry of Information & Broadcasting (Policy Planning Cell) belonging to Block Chain and Cyber Security Domain, having PS code: NS1224 at Chittoor, AP Nodal centre. The problem statement was- An AI/ML based solution for flagging of false information related to the Union Government on online platforms, including social media platforms. The team members were Kartik Gamot (Team Leader), Vishnu Shukla, Siddhant Jain, Ummesalma Badri, Suhani Singh and Tilottama Bhutada from third year. They won prize money of Rs. 1 lakhs. Prof. D.A. Borikar and Dr. S. Aote were the mentors of the team.



Team ATMANIRBHAR [In Black T-shirts: Rishabh Jain, Rushikesh Kale, Atharva Paliwal, Aditi Mukte, Manawini Verma and Ayush Shete]



Team ELYSIAN [In Black T-shirts, standing on right side: Kartik Gamot (Team Leader), Vishnu Shukla, Siddhant Jain, Ummesalma Badri, Suhani Singh and Tilottama Bhutada]

3. Neha Pandey of VII semester won the 3rd prize in “Fiercest Competitor”, a cyber securitycampushackathon by PwC Acceleration Centers in India on 23rd August 2022. She also won a prize money of Rs.25000/-.
4. Team “PerryThePlatypus” comprising ShreyashChoudhary, ShikharSahu, and Bharat Thakur from Final year (Computer Science and Engineering, Shift 1), qualified for ICPC Kanpur regionals. They were amongst the top 70 teams selected from all over India and were ranked 53 in the preliminary round. They were the 3rd team qualified from Maharashtra. The team represented RCOEM at the Kanpur regionals held at the University of Institute of Engineering and Technology, CSJM University, Kanpur, and received honorable mention too. Prof. D.A. Borikar mentored the team.
5. Om Jodhpurkar and HenayLakhwani of VII semester stood first in the National Level Competition for designing of BPR&D Website held on 9th March 2022, organised by Bureau of Police Research & Development, New Delhi.
6. Moralis x Filecoin 1,2, web3 Hackathon was organized by Molaris. It was a global hackathon scheduled from 29 August 2022 to 22 September 2022.

Prizes Won

- From the pool prize of \$15000 from Filecoin our team won \$714
- From the pool prize of \$2000 from XMTP our team won \$153.85



*Devyani Kalamkar
[Team Leader]*



Muskan Setiya



Sunishka Malviya



Vanshita Lalwani

Goal of the NFTDocs lets institutions issue immutable mark sheets to the students in the form of NFTs thus reducing the current usage of hardcopies required to generate marksheets and making the process more environmentally friendly.

CO-CURRICULAR ACCOMPLISHMENTS

1. Vibhu Khandelwal, of V semester [Shift-II] participated in Kaun Banega Crorepati(KBC) and won Rs. 3,20,000/-. The episode was telecasted on 12th October, 2022 at 9pm on Sony Entertainment Television (SET).
2. Narayani Singh of V semester Cyber Security Won 2nd Prize with Cash prize of Rs. 3000/- and trophy at Law Forum of Nagpur organised by Youth Parliament Bharat 2047 – Azaadika Amrit Mahotsav on 9th August 2022.

Students in Higher Studies

Sidha Deshmukh from 2022 batch got admission in PGP program at IIM, Raipur and Abbas Husain from 2022 got admission in M.Tech program at IIT, Mandi.

DEPARTMENT OF ELECTRICAL ENGINEERING

Faculty Corner

Guest Lectures taken by faculty

1. Prof. J. S. Joshi has delivered a lecture on “NEP2020-A Way Ahead” in two-day National Assessment and Accreditation Council (NAAC) sponsored workshop on “Reimagining Higher Education for Development and Empowerment: Teaching, Research and Innovation” on 29th and 30th August, 2022 organized by IQAC, RCOEM, Nagpur.

Publications

1. Ujwal Jibhkate, B.E. Electrical, VIII Sem and Dr.UdayB.Mujumdar have published a paper titled "Development of Low Complexity Open Circuit Voltage Model for State of Charge Estimation with Novel Curve Modification Technique" in an International Journal “ElectrochemicaActa” Volume 429, 2022, ISSN 0013-4686. This journal is indexed in SCI and has an impact factor of 7.336.
2. Mohd. Asher, Apeksha Jamodkar and Dr. M. V. Palandurkar have presented a paper titled “Comparative Analysis of MPPT Techniques For Grid Connected Three Phase Solar PV System ” at International Conference on Recent Developments in Mechanical Engineering 2022 (ICRDME-22) organised by Mechanical Engineering Dept., RCOEM, Nagpur between 23rd to 24th September 2022.
3. Ujwal Jibhkate, B.E Electrical, VIII Sem and Dr.UdayB.Mujumdar have presented a paper titled “ Development of Integrated Setup for SOC-SOH estimation of Lithium Ion battery” at the Springer- 8th International Conference on Advances in Energy research (ICAER-2022) held at Indian Institute of Technology(IIT) Mumbai between 7-9 July 2022

4. Dr.Preeti Kapoor, Dr U. B. Mujumdar, Aniket Lanjewar and Siddhi Chauhan have presented a paper titled “Interface Design and Performance Analysis of Proton Exchange Membrane Fuel Cell using Python” at the Springer- 8th International Conference on Advances in Energy research (ICAER-2022) held at Indian Institute of Technology(IIT) Mumbai between 7-9 July 2022.
5. Alok Ranjan and Dr. Sanjay Bodkhe have presented a paper titled “Heuristic Approach based EMS for Effective Power Sharing in HESS of Electric Vehicle” in an IEEE International Conference TENSYPMP 2022 organized by IIT Bombay from 1st- 3rd July 2022.

Research Grant Received by Faculty

Sr. No.	Name of Principal Investigator, Co-Investigator and Research Scholar	Project Title	Funding Agency	Total Sanctioned Amount (Rs)
1.	Dr. P. V. Kapoor, Dr. U. B. Mujumdar Dr Gaurav Goyal	“Development Of Solar Powered Eggs Incubator With Battery Backup For Backyard Poultry Farming”	Unnat Bharat Abhiyan Centre For Rural Development And Technology Indian Institute Of Technology, DELHI HauzKhas, New Delhi – 110016	1.00 lakhs

STTP/FDP/other Training Attended by Faculty

1. Dr. Uday B. Mujumdar and Dr. Gaurav Goyal have participated in three day short term course on “Grid Connected Inverter: Operation and Control” at Department of Electrical Engineering, IIT Chennai from 6th to 8th July 2022.
2. Dr Gaurav Goyal has completed FDP through Swayam NPTEL course “Python for Data Science” in the month of July-Aug 2022 conducted by Indian Institute of Technology Madras.
3. Dr Prachi Salodkar has successfully completed 132 hours duration Certificate Course on “Automation” from June 6, 2022 - June 30, 2022 at Visvesvarya National Institute of Technology in collaboration with V. R. Jamdar Siemens Center of Excellence Industry 4.0 & Digitalization.
4. Prof. M. B. Gaikwad has successfully completed one week GIAN Programme on “Internet of Things Solutions for Real World problems” organized by Department of ECE, Malaviya National Institute of Technology, Jaipur, 2022.
5. Prof. M. B. Gaikwad have successfully completed 40-hour online Faculty Development Program on “Machine Learning, Artificial Intelligence and its Applications” sponsored by Ministry of Electronics and Information Technology (MeitY) GoI and organized by E & ICT Academy, NIT Warangal and RCOEM, Nagpur during 4th – 14th July, 2022.
6. Prof. M. B. Gaikwad has successfully attended the two-day National Assessment and Accreditation Council (NAAC) sponsored workshop on “Reimagining Higher Education for Development and Empowerment: Teaching, Research and Innovation” on 29th and 30th August, 2022 organized by IQAC, RCOEM, Nagpur.
7. Prof. M. B. Gaikwad have successfully completed one-week Short Term Training Program on “Research Methodology: Tools and Techniques” organized by Mechanical Engineering Department, National Institute of Technology, Surat during September 5-9, 2022.

DEPARTMENTAL ACTIVITIES

Parents Meet, Alumni Meet and Departmental Installations or Events

1. Report of Parent-Teacher Meet Session 2022-23 (VII-Odd Semester)

Offline Parent-teacher meet was organized on 24/09/2021 (Saturday) at 12.00 noon in Electrical Department Library. Dr. V. A Huchche, PTM Coordinator welcomed all parents with their ward. Total seven parents attended the meet. All the course coordinators and class teacher were present in the meet. The Class Teacher Dr. P. A. Salodkar shared the details about student attendance in the class and their performance in the Unit test-1 with parent. HOD, Dr. S. B. Bodkhe, discussed about present status of placement and six-monthly industrial internship with parents.



Glimpse of the parent teacher meeting

2. Value added Course on “Roof-top Solar Photovoltaic System Design and Installation”

Department of Electrical engineering and Energy Research Centre in association with B. algorithm (Solar) Private limited. Nagpur have conducted thirty hours value added course on: Roof-top Solar Photovoltaic System Design and Installation.

Dr. Uday Mujumdar and Dr.(Mrs) P.V. Kapoor coordinated the course. Mr. Sudhir Budhay, CEO, B. Algo (Solar) was the industry expert. Total ten students from different departments successfully completed the course and were given course completion certificates.



Glimpse of Value Added Course

3. Report on Value Added Course on “Industrial Automation with Programmable Logic Controller”



Glimpse of Value-added Course

A 30 hours value added course on “Industrial Automation with Programmable Logic Controller” was organized by Dr. Prachi Salodkar from 12th to 24th September 2022 in the department of Electrical Engineering. Total 18 hours were conducted by Industry Expert and 12 hours by Prof. Salodkar. Twelve students from different departments completed the course successfully and were awarded the course completion certificates. The overall feedback received from students was satisfactory.

Conference, STTP and Guest Lectures organized in Department

S. No.	Guest Lecture title	Speaker (with Affiliation)	Duration	Date
1	Scope and Role of Electricity in Coal Mine Industry	S. N. Pande, Former GM (E & M) /HoD WCL Ltd. Nagpur	2 Hours	1 st Sept. 2022
2	Control and Operation of MMC Voltage Source Converters for HVDC Application	Dr.Himanshu J. Bahirat, Dept. of Electrical Engineering, IIT Powai	2 Hours	8 th Sept. 2022

STUDENTS' CORNER

Toppers List

Sr. No.	Second Year	SGPA	CGPA
1	Vallabh Pravin Acharya	9.36	9.73
2	Atharva Sandip Joshi	9.73	9.52
3	Ayush ChandrakantVirutkar	8.95	9.08
4	Ujwal Shrikant Masane	9.36	8.96
5	AshiVinit Bajpai	8.09	8.94

Student Achievements (Placement Data)

S. N.	Roll No.	Name	Placed in Different Companys	CTC (in Lakhs)
1	1	Anjali Omprakash Singh	Capgemini	4.25
2	2	Deepti Sinha	Accenture	6.5
3	3	Devashree Girish Zalke	Accenture	4.5
4	5	Gauri Uday Mujumdar	Cognizant and Capgemini	4-4.25
5	19	Arya Shirish Purohit	Cognizant	4
6	22	Atharv Manoj Ghodki	Capgemini	4.25
7	23	Avishkar Rajurkar	Cognizant and Amadeus Software Labs (Internship)	4
8	24	Devesh Rajesh Mishra	Capgemini	5.75
9	33	Pranjal Manoj Shahu	Cognizant and Capgemini	4-4.25
10	35	Pratiksha Ganesh Barbate	Cognizant	4
11	36	Purva Jayant Virulkar	Accenture and Capgemini	4.5
12	37	Mrunmayi Sanjay Tongse	Accenture	4.5
13	41	Eshan Sanjay Dhok	Cognizant and Capgemini	4
14	42	Kartik Sunil Tiwari	Capgemini	4.25
15	44	Malhar Prasad Dani	Konverge.AI and Capgemini	4.6
16	45	Mihir Naresh Mohurle	Cognizant	4

S. N.	Roll No.	Name	Placed in Different Companys	CTC (in Lakhs)
17	46	Mitesh Harendranath Dutta	Cognizant and Capgemini	4
18	47	Mohit Shubhash Nagpure	Cognizant	4
19	48	Omhari Bipin Shrivastava	Accenture and Cognizant	4.5
20	52	Rishabhsingh Rupeshsingh Parihar	Capgemini	4.25
21	53	Ritesh Pravin Jaiswal	Capgemini	4.25
22	55	Rohit Rajesh Garse	Cognizant and Capgemini	4
23	61	Riya Raghubarsharan Pandey	Cognizant	4
24	63	Saloni Kachhwah	Capgemini	4.25
25	64	Sarveshwari Umre	Konverge.AI and Capgemini	4.6
26	65	Shalmali Pushpak Pathak	Accenture and Capgemini	4.5
27	67	Suryakant Nilkanth Mudke	Cognizant and Capgemini	4
28	68	Tanu Anurag Gupta	Cognizant	4
29	72	Samay Sushil Kochar	Cognizant	4
30	73	Saurabh Madhavrao Sawarkar	Cognizant	4
31	74	Saurabh Virendra Patel	Cognizant and Capgemini	4
32	77	Tejas B. Sawai	Cognizant	4
33	80	Vedant Vasant Ajane	Accenture	4.5
34	81	Vedant Waman Fendar	Cognizant and Capgemini	4
35	83	Viraj Rajesh Jaiswal	Capgemini	4.25
36	84	Vihang Shriram Pathak	Cognizant	4
37	85	Anshak Devesh Tiwari	Cognizant and Capgemini	4
38	87	Himanshu Shourabh	Cognizant and Capgemini	4
39	101	Chandradeo Rana	Cognizant and Capgemini	4
40	105	Sahiba Shoyeb Qureshi	Cognizant	4

Any other activity(s):

1. Dr S. B. Bodkhe has contributed as session chair at AICTE Sponsored Springer International Conference on “Recent Evolutions in Energy, Drives and e-Vehicles (REEDeV-2022)” from Sept 16th-17th, 2022 organised by St. Vincent Palloti College of Engineering & Technology, Nagpur.

DEPARTMENT OF ELECTRONICS ENGINEERING

Faculty Corner

Guest Lectures taken by faculty

1. Dr. Richa Khandelwal delivered a lecture on IEEE Region10 Symposium TENSYP-2022 on 1st to 3rd July 2022 at IIT Bombay.
2. Dr. Suresh Balpande delivered a lecture on Smart sensors in digital transformation on 22-Aug 2022 at Ordnance Factory Institute of Learning, Ambajhari, Nagpur.
3. Dr. Suresh Balpande has delivered a lecture on MEMS technology on 22-Aug 2022 at Ordnance Factory Institute of Learning, Ambajhari, Nagpur.

Publications

1. Dr. Suresh Balpande published a paper titled MEMS-based energy scavengers: journey and future in *Microsystems Technology*, Springer Nature with ISSN 1432-1858, SCI.
2. Dr. Suresh Balpande published a paper titled MEMS based energy scavenger with inter-digitated in *Materials Today: Proceedings*, ELSEVIER with ISSN 2214-7853, SCOPUS.
3. Prof. Vishal Rathee and Dr. Suresh Balpande published a paper titled Development of Machine Learning-based system for mercury (Hg) detection in *Materials Today: Proceedings*, ELSEVIER with ISSN 2214-7853, SCOPUS.
4. Prof. Gouri Morankar published a paper titled Noise removal technique for image processing in *NeuroQuantology* with ISSN 1303-5150, SCOPUS.
5. Prof. Snehal Laddha and Dr. Rohini S. Ochawar published a paper titled Image-Guided Pre-surgical Assessments Using Deep Learning-Based Methods for Liver Segmentation from CT and MRI Images in *NeuroQuantology* with ISSN 1303-5150, SCOPUS.
6. Prof. Kanchan Dhote and Dr. Richa Khandelwal published a paper titled Phase Shifting Fourier Positive-Negative Single Pixel Imaging in *NeuroQuantology* with ISSN 1303-5150, SCOPUS.
7. Prof. Arcahan Tiwari and Dr. A.A. Khurshid published a paper titled Assessment of Compact Circular Microstrip Antenna using Taguchi's Optimization for Wearable Biomedical Applications in *NeuroQuantology* with ISSN 1303-5150, SCOPUS.
8. Prof. Rushikesh Deshmukh and Dr. M. A. Hasamnis published a paper titled A precise trajectory tracking scheme for mobile robots working in hospitals in *NeuroQuantology* with ISSN 1303-5150, SCOPUS.
9. Dr. Parag Jawarkar, Prof. Rajesh Khobragade and Prof. Shubham Anjankare published a paper titled Designing of IoT Based Dam Gate Controlling System for Mitigating Failure due to Flood Conditions in *NeuroQuantology* with ISSN 1303-5150, SCOPUS.
10. Prof. Jiteendra Zalke, Prof. S. R. Pandey and Dr. N. P. Narkhede has published a paper in *NeuroQuantology* with ISSN 1303-5150, SCOPUS.

11. Dr.Deepali M. Kotambkar has published a paper titled Performance Evaluation of U-Net Architectures for Biomedical Image Segmentation in NeuroQuantology with ISSN 1303-5150, SCOPUS.
12. Dr.A.A.Khurshid published a paper titled Predictive Sensor for Biological Oxygen Demand in water using Active Learning based Random Forest Algorithm in NeuroQuantology with ISSN 1303-5150, SCOPUS.
13. Prof.Poorvi K Joshi has published a paper titled Reliability Study of IoT Based Intelligent Low-Cost Anti-Collision Cum Monitoring System for Fishing Vessel in IOP Science Journal of Physics: Conference Series, SCOPUS.
14. Prof.Poorvi K Joshi has published a paper titled Reliability Study of MEMS Resonator: A Review in IOP Science Journal of Physics: Conference Series, SCOPUS.
15. Prof.Poorvi K Joshi and Dr. M. A. Hasamnis published a paper titled Design and modelling of thin film bulk acoustic resonator (FBAR) for RF application in Elsevier Material Today Proceeding, SCOPUS.
16. Prof.Poorvi K Joshi and Dr. M. A. Hasamnis published a paper titled Design and Optimization of BAW Resonator for Biomedical Applications in NeuroQuantology with ISSN 1303-5150, SCOPUS.
17. Dr.Richa R. Khandelwal published a paper titled Android App Development for X-Ray Image Classification using Convolutional Neural Network in NeuroQuantology with ISSN 1303-5150, SCOPUS.
18. Dr.Richa R. Khandelwal published a paper titled White Balancing to Minimize the Color Cast in Camera Caused by Illuminants in NeuroQuantology with ISSN 1303-5150, SCOPUS.
19. Dr.Richa R. Khandelwal published a paper titled Nails Deformation Sensing For Disease Detection Using Fusion Method For Texture Analysis in NeuroQuantology with ISSN 1303-5150, SCOPUS.
20. Dr.Richa R. Khandelwal published a paper titled Malaria Diagnosis Using Image Processing in Neuro Quantology with ISSN 1303-5150, SCOPUS.

STTP/FDP/other Training Attended by Faculty

1. Prof. S. V. Laddha, Prof. V. R. Gupta, Dr. Kanchan Dhote and Dr. B. M. Hardas have attended a STTP on Recent Trends and Advances in Communication, Signal Processing and Machine Learning from 11-15 July 2022 organized by VNIT Nagpur.
2. Dr. Pankaj Joshi attended a STTP on AI for optimization in Signal Processing from 11-15 July 2022 organized by IEEE SPS Seasonal School.
3. Prof. Vishal Rathee, Dr. B. M. Hardas have attended a STTP on Innovation Ambassador Training "Foundation Level" on 22nd July 2022 and "Advanced Level" on 23rd July 2022 organized by AICTE, Ministry of Education Nagpur.
4. Following Faculty members of Department have attended a STTP on Machine Learning, Artificial Intelligence and its Applications from 4-14 July 2022 organized by Electronics & ICT Academy,

NIT Warangal in association with Shri Ramdeobaba College of Engineering and Management, Nagpur (Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI).

- | | |
|-----------------------------------|-------------------------------|
| a. Dr. (Mrs.) Meghana A. Hasamnis | g. Prof. Rushikesh Deshmukh |
| b. Dr. (Mrs.) A. A. Khurshid | h. Prof. Poorvi K. Joshi |
| c. Prof. Rajesh Khobragade | i. Dr Bhalchandra M Hardas |
| d. Prof. Pankaj Joshi | j. Prof. Sandeep kumar Pandey |
| e. Dr. Rohini Suhas Ochawar | k. Prof. Lokesh M. Heda |
| f. Prof. Gouri Amol Morankar | l. Prof. Smita Daware |

5. Prof. V. R. Gupta attended a STTP on Designing and Modelling of IoT, AI & ML Systems from 1-8 August 2022 organized by All India Council for Technical Education (AICTE), ATAL Academy, Arm Education and STMicroelectronics.
6. Prof. Poorvi K Joshi attended a STTP on Smart Tools and Methodologies for Academic Research from 1-5 August 2022 organized by Mahatma Gandhi Institute of Technology, Hyderabad.
7. Dr. B M Hardas attended a STTP on Curriculum Development in Light of NEP 2020 from 8-19 August 2022 organized by E&ICT Academies at PDPM IIITDM Jabalpur, IIT Roorkee, MNIT Jaipur, and NIT Patna.
8. Dr.(Mrs.) A. A. Khurshid attended a STTP on Curriculum Development in Light of NEP 2020 from 8-19 August 2022 organized by E&ICT Academies at PDPM IIITDM Jabalpur, IIT Roorkee, MNIT Jaipur, and NIT Patna.
9. Prof. P. U. Joshi attended a STTP on NAAC Sponsored workshop on Reimagining Higher Education for Development and Empowerment: Teaching, Research and Innovation from 29-30 August 2022 organized by Shri Ramdeobaba College of Engineering and Management, Nagpur.
10. Dr Deepali M. Kotambkar attended a STTP on NAAC Sponsored workshop on Research Methodologies & Design Thinking for Professional Career from 18-24 August 2022 organized by PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur.
11. Prof. Vishal Rathee attended a STTP on NAAC Sponsored workshop on VLSI Design & Nanoelectronics: Emerging Challenges & Opportunities from 1-8 September 2022 organized by PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur.
12. Dr.(Mrs.) A. A. Khurshid attended a STTP on I-STEM Awareness Program on 17 September 2022 organized by Indian Science Technology and Engineering .IISC Bangalore.
13. Prof. A.R. Tiwari attended a STTP on Design and Fabrication of Hybrid/Flexible Antennas for 6G and beyond Applications from 12-18 September 2022 organized by Shri Ramdeobaba College of Engineering and Management, Nagpur.
14. Prof. P. U. Joshi attended a STTP on NAAC Sponsored workshop on Reimagining Higher Education for Development and Empowerment: Teaching, Research and Innovation from 29-30 August 2022 organized by SERB initiative at IIITM, Gwalior.
15. Prof. Vikas R. Gupta attended a STTP on Sixth Summer School on Artificial Intelligence from 18th July to 19th August 2022 organized by IIIT Hyderabad.

Departmental Activities

Conference, STTP and Guest Lectures organized in Department

Sr. No.	Conference/STTP/ Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1	Pre-Invention talk on Patent	Mr. Rushikesh Sonawane, Patent Associate, Brainiac IP Solutions,Pune	2 Hrs.	Dr. B. M. Hardas
2	How to write research paper	Dr. Ushoshi Guha, patent Attorney, Nagpur	4 Hrs.	Prof. L. M. Heda
3	Resume writing and building with hands on experience	Ms. Mrunmayee Sathe, Certified soft skill trainer, Vice chairperson and chief human resource manager, ILDA, Pune, India.	2 Hrs.	Prof. L. M. Heda
4	Study and Career Opportunities in Australia	Vaishnavi Thakare, Electronics Engineer in Hexagon Pvt. ltd., Brisbane, Australia. (Alumna, Electronics 2017 Batch)	2 Hrs.	Prof. L. M. Heda
5	Career path : Data Scientist, Data Analyst, Data Engineer	Mr. Mohit Jichkar, Senior Data Scientist, Dish Networks, Bengaluru, India. (Alumnus Electronics, 2019 batch)	2 Hrs.	Prof. L. M. Heda
6	STTP on Machine Learning, Artificial Intelligence and its Applications	Electronics & ICT Academy, NIT Warangal (Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)	40 Hrs. 10 Days	Dr. Deepali M. Kotambkar Prof. S. V. Laddha

EN Placement Statistics: 2022-2023 Batch

Company	Number of students placed
Total (IT and core sector)	114

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY CORNER

Publications

1. Dr. Rajesh B. Raut presented a paper titled “A Low-Profile Rectangular Dielectric Resonator Antenna with Partially Reflective Surface for 5G Applications” in 2nd International Conference on Intelligent Technologies (CONIT 2022) during 24-26 June 2022. The paper has been published in IEEE Xplore in the month of August 2022.
2. Dr. Chithraja Rajan published a paper titled “A Novel HM-HD-RFET Biosensor for Label-Free Bio-molecule Detection” in Journal of Electronic Materials with ISSN 0361-5235 Volume 51, Issue 20, DOI 10.1007/s11664-022-09872-5, (SCI).
3. Prof. A.H. Harkare published a paper titled “Real Time Fuel Adulteration Detection System for preventing Health Hazards” in Neuroquantology with eISSN 1303-5150, Volume 20, Issue 9, September 2022, doi: 10.14704/nq.2022.20.9.NQ44216 (Scopus).
4. Prof. A.H. Harkare published a paper “Accuracy of Classifier Models in Presence and Absence of Outliers in a Time-Series Dataset of Air Quality” in Neuroquantology with eISSN 1303-5150, Volume 20, Issue 11, September 2022, doi:10.14704/NQ.2022.20.11.NQ66031 (Scopus).
5. Prof. A.H. Harkare published a paper titled “Orthogonal Feed Dual Band Rectangular Dielectric Resonator Antenna for Medical Image Sensing Applications” in Neuroquantology with eISSN 1303-5150, Volume 20, Issue 11, September 2022, doi:10.14704/NQ.2022.20.11.NQ66015 (Scopus).
6. Dr. Jagdish D. Kene published a paper titled “Performance Evaluation of U-Net Architectures for Biomedical Image Segmentation” in Neuroquantology with eISSN, 1303-5150, Volume 20, Issue 09 indexed by Scopus, doi:10.14704/ nq. 2022.20.9. NQ44239

STTP/FDP/other Training Attended by Faculty

1. Dr. Dipak Dahigaonkar attended a FDP on “Research Methodologies & Design Thinking for Professional Career” organized by the Electronics and ICT Academy at PDPM IIITDM Jabalpur during dates August 18–August 24, 2022 under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.
2. Dr. S. B. Pokle, Participated in Faculty Development Program (FDP) on “Research Methodologies and Design Thinking for Professional Career” Organized by the Electronics and ICT Academy at PDPM IIITDM Jabalpur, during August 18- 24, 2022. (Program is of forty hours duration and is recognized by AICTE/UGD).

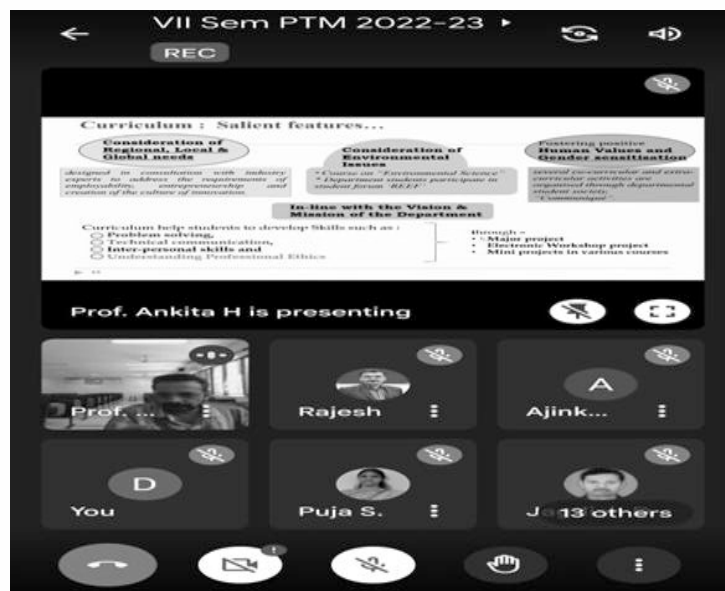
3. Dr. Rajesh Raut attended & coordinated a FDP on “Research Methodologies & Design Thinking for Professional Career” organized by the Electronics and ICT Academy at PDPM IIITDM Jabalpur during dates August 18 –August 24, 2022 under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.
4. Dr. Rajesh B. Raut has attended GIAN Course on 'Multimedia Forensic: Overview and Perspectives' at VNIT Nagpur from 19-23 September 2022.
5. Dr. Pallavi K.Parlewar attended a FDP on “Research Methodologies & Design Thinking for Professional Career” organized by the Electronics and ICT Academy at PDPM IIITDM Jabalpur during dates August 18 –August 24, 2022 under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.
6. Dr.Pallavi K.Parlewar has attended GIAN Course on 'Multimedia Forensic: Overview and Perspectives' at VNIT Nagpur from 19-23 September 2022.
7. Dr.Pallavi K. Parlewar attended 40 hours FDP on Machine Learning, Artificial Intelligence and its applications from 4 th - 14 th July 2022 hosted by E&ICT Academy, NIT Warangal and Shri Ramdeobaba College of Engineering and Management, Nagpur.
8. Dr. Mridula Korde attended a FDP on “Research Methodologies & Design Thinking for Professional Career” organized by the Electronics and ICT Academy at PDPM IIITDM Jabalpur during dates August 18 –August 24, 2022 under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.
9. Dr.Mridula Korde attended two day National Assessment and Accreditation Council (NAAC) sponsored workshop on 'Reimagining Higher Education for Development and Empowerment: Teaching, Research and Innovation' on 29th and 30th August, 2022 organized by Internal Quality Assurance Cell (IQAC), Shri Ramdeobaba College of Engineering and Management, Nagpur.
10. Dr. P. P. Deshpande has attended online Faculty Development Programme on “Research Methodologies & Design Thinking for Professional Career” from August 18 to August 24, 2022 (40 hrs duration) organized by the Electronics and ICT Academy at PDPM IIITDM Jabalpur under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.
11. Dr.Pradip Selokar attended a FDP on “Research Methodologies & Design Thinking for Professional Career” organized by the Electronics and ICT Academy at PDPM IIITDM Jabalpur during August 18 –August 24, 2022 under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.

12. Dr. Deepak Khushalani has attended online Faculty Development Programme on “Research Methodologies & Design Thinking for Professional Career” from August 18 to August 24, 2022 (40 hrs duration) organized by the Electronics and ICT Academy at PDPM IIITDM Jabalpur under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.
13. Dr. Bhumika Neole attended online Faculty Development Programme on “Research Methodologies & Design Thinking for Professional Career” from August 18 to August 24, 2022 (40 hrs duration) organized by the Electronics and ICT Academy at PDPM IIITDM Jabalpur under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.
14. Prof. Prasheel Thakre attended online Faculty Development Programme on “Research Methodologies & Design Thinking for Professional Career” from August 18 to August 24, 2022 (40 hrs duration) organized by the Electronics and ICT Academy at PDPM IIITDM Jabalpur under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.
15. Prof. Puja Agrawal attended online Faculty Development Programme on “Research Methodologies & Design Thinking for Professional Career” from August 18 to August 24, 2022 (40 hrs duration) organized by the Electronics and ICT Academy at PDPM IIITDM Jabalpur under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.
16. Prof. A.H. Harkare attended a Faculty Development Programme on “Research Methodologies & Design Thinking for Professional Career” organized by the Electronics and ICT Academy at PDPM IIITDM Jabalpur during dates August 18 – August 24, 2022 under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.
17. Prof. A.H. Harkare attended 40 hours FDP on Machine Learning, Artificial Intelligence and its applications from 4th - 14th July 2022 organized by E&ICT Academy, NIT Warangal and Shri Ramdeobaba College of Engineering and Management, Nagpur.
18. Mr. P. N. Thakre successfully completed training Course “MATLAB Onramp” by Mathwork Training services on 4th Aug 2022 (certificate was awarded after 100% completion of projects).
19. Mr. P. N. Thakre successfully completed FDP on “5G & B5G Wireless Technologies with MATLAB Practice” from July 25 to August 5, 2022 sponsored by Electronics & ICT Academy, PDPM IIITDM Jabalpur.
20. Dr. Jagdish D. Kene attended 40 hours FDP on Machine Learning, Artificial Intelligence and its applications from 4th - 14th July 2022 hosted by E&ICT Academy, NIT Warangal and Shri Ramdeobaba College of Engineering and Management, Nagpur.

DEPARTMENTAL ACTIVITIES

Parents Meeting

Department of Electronics and Communication Engineering organized a **Parent-Teacher Meeting** for the session 2022-23 (ODD Semester) for VII Semester on 17th September 2022.



Discussion with parents and their feedback reflects the following observations and suggestions. Parents appreciated the efforts taken by the department for preparing students for the challenges ahead in their ward's life and inculcate training towards personality development, communication skills, and interview skills of the students. Parents are satisfied with the PEO, PO and PSO discussed by HOD via presentation during meet.

Conference, STTP and Guest Lectures organized in Department

Sr. No.	Conference/STTP/ Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1	Expert Lecture on "Electromagnetic Waves" for IV A&B EC Students	Dr. Biswajit Mukherjee, A.P. ECE Department, IIITDM Jabalpur	2 Hrs.	9 th July, 2022
2	Online guest Lecture on "Creating, adapting and Public Speaking and Teamwork: How to rule your world through soft skills"	Dr. Anuja Raj, P.G. Department of English, Naipunnya School of Management, Cherthala, Kerala	2 Hrs.	24 th September, 2022



STUDENTS' CORNER

EC Toppers List (RS2022)

Sr. No.	Second Year	CGPA
1	Harnoor Balvinder Huda	9.98
2	Akshada Sandip Joshi	9.82
3	Sanskruiti Atul Wagh	9.57
4	Srushti Niteshkumar Sontakkey	9.57

Student Achievements

RCOEM
 Shri Ramdeobaba College of Engineering and Management, Nagpur

CONGRATULATIONS
 Position Offered: Frontend Developer
 Package of 14.75 LPA



Company - Josh Technology Group

Divyesh Agrawal
 Branch: Electronics and Communication Engineering

www.rknc.edu

RCOEM
 Shri Ramdeobaba College of Engineering and Management, Nagpur

CONGRATULATIONS



Aadesh Kurani
 — EC Branch 2022 Batch —

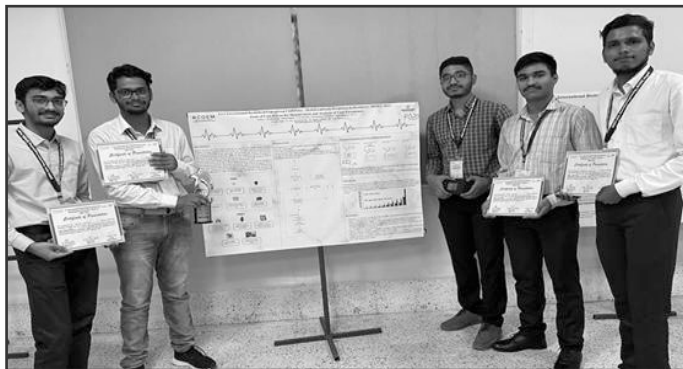
Recommended for Indian Navy from SSB Kolkata through SSC **[TECH (GS ELECTRICAL)] entry**

www.rknc.edu



Any other activity (s):

1. Dr. S. B. Pokle appointed as Subject Expert on UGC selection committee by RTM Nagpur University for recruitment of Assistant Professor in A.I. and D.S. dept. at Anjuman College of Engg. & Technology, Nagpur on 12 Sept. 2022.
2. Dr. Rajesh B. Raut worked as a Faculty coordinator for the introductory workshop on Universal Human Values organized by AICTE from 26-30 September 2022.
3. Dr. Rajesh B. Raut coordinated the FDP on Research Methodologies and Design Thinking as a Proctor Coordinator. The FDP was organized by E&ICT Academy, PDP IIITDM, Jabalpur from 18-24 August 2022.
4. Dr. Pallavi K. Parlewar worked as a reviewer of International Conference on CVIP2022, VNIT Nagpur.
5. Dr. Pallavi K. Parlewar working as a reviewer for "Journal of The Institution of Engineers (India): Series B", Scopus Indexed Journal.
6. Dr. Pallavi K. Parlewar, working as a Nodal Officer, RCOEM for Visvesvaraya PhD Scheme for Electronics and IT: Phase II, MeitY, GoI, received estimated budget of Rs. 72, 61, 600/- for PhD Scheme for 2 full time PhD candidates.
7. Dr. Pallavi K. Parlewar appointed as a Research Advisory Board, RTMNU at JIT Nagpur.
8. Team mentored by Dr. Mridula Korde won the Best Research Poster Award at the First International Biomedical Engineering Conference - Multidisciplinary Perspective In Healthcare (IBMEC-2022) organized by Department of Biomedical Engineering, Shri Ramdeobaba College of Engineering and Management, during 2nd and 3rd September 2022 for the poster titled "Point of Care Device for measurement of Vital Parameters". The student team consisted of HuzefaEssaji, VivekKaushik, ParthBhalerao, ChandrakantMohadikar (Final year EC students), Aditya Pathak (Final year IT student).



DEPARTMENT OF BIOMEDICAL ENGINEERING

FACULTY CORNER

Awards received by Faculty of department

Dr. Arpita Parakh Received Best Paper Award in IBMEC-2022 on topic “ Dynamics of PIWI-interacting RNAs in Disease and Medicine” Ist International Conference of Biomedical Engineering organised by Department of Biomedical Engineering, RCOEM.

Guest Lectures taken by faculty

Dr. Arpita Parakh delivered a lecture on Bioinformatics and Computational Biology on 10/9/2022 at Rajiv Gandhi centre for Biotechnology, RTMNU, Nagpur.

Publications

1. Prof. Anju M Gupta published a paper titled “ Design and simulation of Triboelectric Nano generator for empowering Pacemaker” in NeuroQuantology-An Interdisciplinary journal of neuroscience and quantum physics, September 2022, Volume 20, Issue 9. (Scopus Indexed)
2. Dr. Arpita Parakh published a paper titled “ Dynamics of PIWI-interacting RNAs in Disease and Medicine” in NeuroQuantology-An Interdisciplinary journal of neuroscience and quantum physics, September 2022, Volume 20, Issue 9. (Scopus Indexed)
3. Dr. Arpita Parakh published a paper titled “Computational Identification of piRNA in flies Brain” NeuroQuantology-An Interdisciplinary journal of neuroscience and quantum physics, September 2022, Volume 20, Issue 9. (Scopus Indexed)
4. Prof. Jitendra B. Zalke published a paper titled “Wearable, Non-invasive, Nano-material based Glucose Sensing: A Review” in NeuroQuantology-An Interdisciplinary journal of neuroscience and quantum physics, September 2022, Volume 20, Issue 9. (Scopus Indexed)
5. Dr. J. A. Shrawankar and Dr. Dinesh Rotake published a paper titled “ Vigilance and Monitoring of Hypertension among Rural Population of Indian Villages” in NeuroQuantology- An Interdisciplinary journal of neuroscience and quantum physics, September 2022, Volume 20, Issue 9. (Scopus Indexed)

6. Prof. Anju M Gupta has published a paper titled “Mechanical Heart-Motion Generating System for Biomedical Applications” in NeuroQuantology-An Interdisciplinary journal of neuroscience and quantum physics, September 2022, Volume 20, Issue 9. (Scopus Indexed)
7. Dr. J. P. Kalambe published a paper titled “Automatic Fluid Dispenser with temperature control for Biochemical Analysis” in NeuroQuantology-An Interdisciplinary journal of neuroscience and quantum physics, September 2022, Volume 20, Issue 9. (Scopus Indexed)
8. Prof. Jitendra B. Zalke published a paper titled “ A comprehensive review on wearable Glucose Sensing Techniques: Challenges and opportunities” in NeuroQuantology-An Interdisciplinary journal of neuroscience and quantum physics, September 2022, Volume 20, Issue 9. (Scopus Indexed)
9. Dr. J.P. Kalambe published a paper titled “Quantitative analysis for detection of cholesterol using colorimetric platform” in NeuroQuantology-An Interdisciplinary journal of neuroscience and quantum physics, September 2022, Volume 20, Issue 9. (Scopus Indexed)
10. Dr. Vivek Khetade published a paper titled “Modeling Asynchronous Federated Learning for Health care application” in NeuroQuantology-An Interdisciplinary journal of neuroscience and quantum physics, September 2022, Volume 20, Issue 9. (Scopus Indexed)
11. Dr. Dinesh Rotake and Prof. Anju Gupta has published a paper titled “MQ3 alcohol sensor-Based Sensing of Alcohol (Ethanol) At Room Temperature” in NeuroQuantology-An Interdisciplinary journal of neuroscience and quantum physics, September 2022, Volume 20, Issue 9. (Scopus Indexed)
12. Dr. J.P. Kalambe published a paper titled “Fluid Mixing in Micro fluidic Mixers for Lab-onchip Applications” in NeuroQuantology-An Interdisciplinary journal of neuroscience and quantum physics, September 2022, Volume 20, Issue 9. (Scopus Indexed)

STTP/FDP/other Training Attended by Faculty

1. Dr. Dinesh Rotake attended a FDP on Awareness talk on grants for start up in Biomedical Engineering organized by CAD–CAM centre, VNIT, Nagpur from 1 July 2022 to 5 Aug 2022.
2. Dr. Dinesh Rotake attended a 5-day FDP on Interdisciplinary Translational Science & Engineering organized by Centre for Biomaterials, Cellular & Molecular Theranostics (CBCMT) at Vellore Institute of Technology (VIT), Vellore, India from 18-July-2022 to 22-July -2022.
3. Dr. Dinesh Rotake attended a 5-day workshop on Design and Modelling of IoT, AI & ML Systems organized by AICTE and ATAL Academy, Arm Education and STMICROELECTRONICS from 1-August-2022 to 5-August-2022.
4. Dr. Dinesh Rotake attended IEEE EDS Summer School on Recent Trends in Micro/Nanoelectronics Devices organized by NIT Silchar, Assam from 20-August-2022 to 24-August-2022.

DEPARTMENTAL ACTIVITIES

Parents Meet, Alumni Meet and Departmental Installations or Events Department of Biomedical Engineering, Inaugurated IEEE RCOEM EMBS-Student Chapter & Biogenesis-Student Society

Department of Biomedical Engineering of Shri Ramdeobaba College of Engineering and management, Nagpur organized an Inauguration ceremony of IEEE RCOEM EMBS and Installation ceremony of Biogenesis Society of Biomedical Engineering department on 20th August 2022. The occasion was graced by the chief guests Dr. V. Ramgopal Rao, fellow IEEE FNAE, FASC, FNA, FNASC, Pillay Chair Professor, Ex-Director of IIT-D along with Dr.Patrikar (VNIT, Nagpur) and Mr. Prabhatkumar Sharma. Dr. Rajesh Pande (Principal, RCOEM) warmly welcomed our distinguished guests. The ceremony was coordinated by Dr.Richa Khandelwal, IEEE RCOEM Branch Counselor. Dr. Rajesh Pande (Principal, RCOEM) felicitated the guests with shawl and shreefal. The Chief Guest unveiled the IEEE RCOEM EMBS shield to officially launch it, and encouraged participants to do additional research and development in his motivational speech. Dr.Ram Gopal Rao handed over the roles to the IEEE RCOEM Student Society & EMBS student bodies with greetings and condolences, and the Biogenesis student bodies with well wishes and expressions of gratitude.

The ceremony was attended by the faculty members of the Institute and first year & second year students of Biomedical Engineering & the final year students of Electronics Design Technology department which took place at MBA Auditorium, RCOEM.

Lastly, Dr. Jayu Kalambe, Head of the Department of Biomedical Engineering delivered a vote of thanks in closing comments.



Conference, STTP and Guest Lectures organized in Department

1st International - IBMEC-2022 “Multidisciplinary perspective in Healthcare”

Department of Biomedical Engineering, Shri Ramdeobaba college of Engineering organized 1st International Biomedical Engineering conference – IBMEC 2022 “Multidisciplinary perspective in healthcare” in association with Kingsway Institute of Health Sciences and IEEE-EMBS Student chapter, & TATA Consultancy services (TCS) as Technology partners on 2-3 September 2022.

IBMEC-2022 was inaugurated on 2nd September by the chief guest Dr. K. Muralidhar (Professor, IIT Kanpur), Shri Rajendra Purohit, Secretary, RCOEM, Shri Anand Sancheti, Chairman, Kingsway Institute of Health Sciences, Dr. R. S. Pande, Principal and Honorary Chair, Dr. (Mrs.) Jayu Kalambe, General Chair, and Dr. J.A. Shrawankar, Organizing Secretary were particularly present on the occasion.



At the outset IBMEC-2022 has been inaugurated by lighting the traditional lamp. Dr. R. S. Pande, Principal, RCOEM and Honorary Chair IBMEC 2022 in his introductory remarks highlighted the various sessions, plenary talks and deliberations to be held during the two days conference. The conference delegates are from research organizations, academic

institutions in India and abroad and industry personnel.

Shri Rajendra Purohit, General Secretary, RCOEM and Shri Anand Sancheti Chairman SMS group and Kingsway Institute of Health Sciences released the book of abstract selected for the conference.



Dr. K. Muralidhar delivered a keynote session on “Biomechanics and Development of Biomechanical Devices” and explained about principles fluid mechanics, Mathematical Models of flow of patterns, simulations in developing medical devices. [Pic 3]



Plenary talk 1: Dr.Mahurima Chattopadhyay Heritage Institute, Kolkata, talked about “Micro Sensors- A Boon to Healthcare” [pic 4]



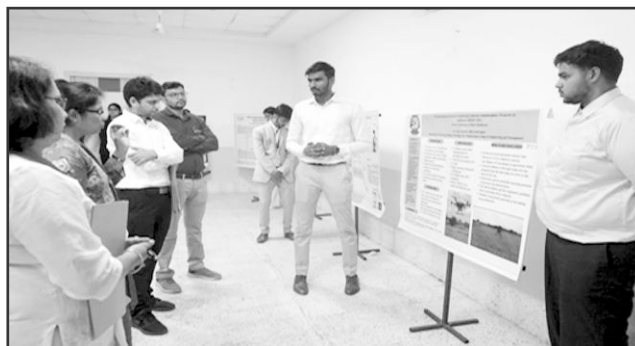
Plenary Talk 2: Dr. R.M. Patrikar, Professor, VNIT, Nagpur talked about Bio-Micro Electro Mechanical System [Pic 5]



Plenary Talk 3: Mr. Rounak Khandelwal, Co-Founder, Your Physio, Bangalore, talked about “Developing Technologies That Drives Clinical Outcomes”. [Pic 6]



The event covered 57 oral presentations in different tracks of Bioinformatics and Intelligent Computing, Image Processing and Image analysis, Biochemistry, Pharmacology and Toxicology and 22 posters were also presented in the conference. [Pic 7]



The Last day of event included expert talks followed by poster Presentation and Prize distribution. Posters on different interdisciplinary research of Biomedical engineering were presented by the students. The students presented the ideas on designing the device for healthcare. [Pic 8]

The event was concluded with valedictory session and Prize Distribution by Dr.Raunak Khandelwal, Director Academics- Kingsway Institute of Health Sciences as a chief Guest, Dr. K. Muralidhar Professor, IIT Kanpur, Dr. R M Patrikar Professor, VNIT, Nagpur were guest of Honor for the valedictory.



Dr. Jayu Kalambe General Chair- IBMEC 2022 delivered the Concluding remarks in valedictory session. [Pic 9]

The best paper in track 1 was awarded to Sunam Suha, & group, in track 2- Dr.Yamini Pusdekar& Group, in track 3- Dr.Arпита Parakh, in track 4- Dr.Akansha Dani, & group. Best poster was awarded to Huzefa Essaji & group,

Aditya Pathak & Group, Samidha Halmare & group and Arya Agrawal, & group as 1st, 2nd and 3rd prize respectively. The Conference was attended by more than 150 participants all over India.

Conference organizing committee members Prof. (Mrs.) Anju Gupta, Prof. Dr. Vivek Khetade, Prof. Jitendra Zalke, Dr. Dinesh Rotake, Dr. Arpita Parakh took pains for the success of IBMEC 2022 as informed by General Chair Dr. (Mrs.) J.P. Kalambe and Organizing Secretary Dr. J. A. Shrawankar.

Conference, STTP and Guest Lectures organized in Department

Sr. No.	Conference/STTP/ Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1	Biogenesis & IEEE Society Installation	Dr. Ramgopal Rao Pillay Chair Professor & Former Director, IIT Delhi	1 day	20 th Aug. 2022
2	IBMEC-2022	Dr. K. Muralidhar, Professor, IIT Kanpur.	2 days	2 nd Sept. 2022
3	IBMEC-2022	Dr. R. M. Patrakar, Professor, VNIT, Nagpur	2 days	3 rd Sept. 2022

Student Achievements

Sr. No.	Name of Student	Event	Achievement	Date
1	Samidha Halmare	IBMEC-2022	Best Poster Award	3/9/2022
2	Shreyans Agrawal	IBMEC-2022	Best Poster Award	3/9/2022
3	Dhruv Vyas	IBMEC-2022	Best Poster Award	3/9/2022
4	Samidha Nayak	IBMEC-2022	Best Poster Award	3/9/2022
5	Arya Agrawal	IBMEC-2022	Best Poster Award	3/9/2022
6	Jyoti Yadav	IBMEC-2022	Best Poster Award	--

List of Placed students

Sr. No.	Name of Students	Company
1	Neha Nandurkar	Capgemini
2	Shrutika Limje	Capgemini
3	Sanskriti Magarde	Accenture
4	Gaurav Najpande	LTI
5	Harsh Khadgi	Capgemini
6	Anushka Chouskey	Cognizant
7	Shruti Upadhyay	ConvergeAI
8	Sheen Ahmed	Accenture
9	Ansh Datir	Accenture
10	Kalyani Trivedi	Cognizant
11	Samaha Keskar	ConvergesAI
12	Shrirang Pawnikar	Cognizant
13	Saachi Iyer	Cognizant
14	Kshitij Ghadole	Cognizant
15	Bhavesh Bhaisare	Capgemini
16	Maharshi Pandya	Cognizant
17	Simran Vanjani	Cognizant
18	Triveni Itkelwar	Cognizant
19	Disha Hargode	Cognizant
20	Dharvesh Gayadhane	Cognizant
21	Tushar Sonawane	Cognizant
22	Ritik Ingole	Capgemini
23	Rutuja Dhore	Accenture
24	Prashika Dakhare	Accenture
25	Anshaj Singh	Cognizant
26	Akshay Mudlier	Cognizant
27	Ritik Sukhdeve	Bristlecone

DEPARTMENT OF INDUSTRIAL ENGINEERING

Faculty Corner

Publications

1. Prof.Mangesh P Joshi, Shreya Das, Sampanna Umredkar published a paper titled “Application of interpretive structural modeling in user interface design” in Materials Today Proceedings, Elsevier, Scopus indexed. <https://doi.org/10.1016/j.matpr.2022.08.427>
2. Yogesh V. Deshpande, Dinesh R. Zanwar, A. B. Andhare& P. S. Barve published a paper on titled: “Application of ANN modelling for optimisation of surface quality and kerf taper angle in abrasive water jet machining of AISI 1018 steel” Advances in Materials and Processing Technologies, Taylor & Francis Publication (ESCI & Scopus indexed Journal), July 2022. DOI: 10.1080/2374068X.2022.209683
3. Prashant B. Shiwalkar presented paper titled “Identification of Key Parameters for Synthesis of Straight-Line Crank Rockers Using Inflection Circle Properties” in The Fourth International Conference of IFToMM Italy at University of Napoli “Federico-II”, Naples , Italy on 7-9 September 2022. https://doi.org/10.1007/978-3-031-10776-4_21.
4. Dr.Mahendra Gupta published a paper titled “Effect of VaryingFlowrate of Oxy-hydrogen(HHO) Gas Addition on Combustion and emission Characteristics of Early Direct Injection Homogenous Charge Compression Ignition Engine in Emerging Trends in Energy Conversion and Thermo-Fluid Systems ,Springer.
5. Dr.Rashmi Shahu have published paper titled”Mismatch error among anthropometric dimensions of human knee and implanted knee in knee replacement surgery in India“in International Journal of Health Sciences, 6(S4), 4016–4024. <https://doi.org/10.53730/ijhs.v6nS4.9030>.

STTP/FDP/other Training Attended by Faculty

1. Prof.Rakshal Agrawal attended a Training on UHV -II from 26th July 2022 to 30th July 2022 organized by AICTE.
2. Prof.Mangesh P Joshi, Shreya Das, Sampanna Umredkar presented a paper titled “Application of interpretive structural modeling in user interface design” in 2nd International Conference & Exposition on Advances In Mechanical Engineering organized by COEP During June 23-25, 2022.
3. Dr.Priya M. Khandekar successfully completed a faculty development programme for the course Product Design and Development for 4 weeks duration from NPTEL.
4. Dr.Priya M. Khandekar successfully completed the skill development certificate course in Siemens Tecnomatix from 7 July to 18 July 2022 from V. R. Jamdar Siemens Center of Excellence, VNIT, Nagpur.
5. Yogesh Deshpande, T.A. Madankar, P.S.Barve, A.D Urade, M.R Jain presented a paper titled “Applications of sustainable approaches for machinability improvement” in the International Conference on Recent Developments in Mechanical Engineering (ICRDME-22) organized by

RCOEM during Sep 23-24, 2022.

6. Yogesh Deshpande, Vijay Wagh, Himanshu Shukla, T.A.Madankar presented a paper titled “Modification of Wheel Hub of All-terrain vehicle using Modeling and Simulation Approach” in the International Conference on Recent Developments in Mechanical Engineering (ICRDME-22) organized by RCOEM during Sep 23-24, 2022.
7. Prof.Rakshal Agrawal attended two days NAAC sponsored workshop organized by IQAC,RCOEM on 29th Aug and 30th Aug 2022 on “Reimagining Higher Education for Development and Empowerment: Teaching, Research, and Innovation”

DEPARTMENTAL ACTIVITIES

Industrial Visits

On 28 July 2022 Isha Khurana, Standard Promotion Officer, Bureau of Indian Standards, Nagpur Branch addressed 60 students of Industrial and Mechanical Engineering department on “Standards Formulation and Operating Conformity Assessment Schemes of BIS” in the Industrial Seminar Hall. This was followed by the Exposure Visit to JSW Ltd. Kalmeshwar. This visit has given field exposure to students about importance of ISI marking for industrial products.

Parents Meet, Alumni Meet and Departmental Installations or Events

The Parent Teacher Meet for IV semester was held on Saturday 10/09/2022 from 10:30 am to 12.00 pm in the Department of Industrial Engineering. The following points were discussed with parents: 1. Students' academic performance in examination (Test-I and Assessments). 2. Student's attendance in class. 3. Student's activities. 4. Students' placement and guidance related to higher studies. Feedback was taken from each parent covering different aspects of teaching learning adopted by the department along with the suggestions.

Conference, STTP and Guest Lectures organized in Department

Sr. No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1	Guest Lecture	Neeraj Tiwari, Alumni 1989	1 hour	18 th Aug. 2022
2	Guest Lecture	Hitesh Harkare, MD, Technodeal	1 hour	29 th Sept. 2022

Students Achievements

Sr. No.	Name of Student	Event Name	Organizing agency *	Date of event
1	Manan Patel	Completed Online course on Introduction to Solar Cells	Coursera	27-09-2022
2	Manan Patel	Completed Online course on Wind Energy	Coursera	24-09-2022

Sr. No.	Name of Student	Event Name	Organizing agency *	Date of event
3	Jayash Agrawal	Completed Online course on coding, aptitude, azure	learnmall great learning	21-09-2022
4	Jayash Agrawal	Completed Online course on coding apti	great learning learnmall	21-09-2022
5	Sumit Mishra	Completed Online course on Python for Everybody Specialization 5/5	Coursera	02-08-2022
6	Sahil Chopkar	Completed Online course on Courses	Udemy	26-09-2022
7	Aditya Gosewade	Completed Online course Crash Course on Python by Google	Coursera	10-07-2022
8	Aditya Gosewade	Completed Online course on Creative Problem Solving by University of Minnesota	Coursera	21-06-2022
9	Aditya Gosewade	Completed Internship as DATA ANALYTICS INTERNSHIP	Start - Tech Academy	16-06-2022
10	Aditya Gosewade	Completed Internship as Trainee - Python Developer	Virtual Galaxy Infotech Pvt Ltd	12-07-2022
11	Yashraj Rathod	Completed Online course Introduction to Solar Cells	Coursera	30-09-2022
12	Yashraj Rathod	Completed Online course Wind Energy	Coursera	30-09-2022
13	Davendar Singh	Completed Online course on Oversight of Corporate Culture: A Core Asset in Driving Performance and Deterring Fraud	AICPA	24-07-2022
14	Yashraj Rathod	Completed Online course on Finance for Non-Financial Professionals	Coursera	26-10-2022
15	Anurag Mishra	Attended Webinar on Real time information about scholarship and admission in top universities	Educaretaiwan	11-09-2022
16	Muskan Tekchandani	Participated Workshop AI for EV applications	Skill LYNC	10-09-2022
17	Tejas Sahare	Attended Workshop Introduction to Deep-Learning	Intel Student developer club, RCOEM	29-08-2022
18	Ruchita Sahare	Completed Value added course Value added course on 'Roof-top Solar Photovoltaic System Design and Installation	RCOEM Department of Electrical Engineering	19-09-2022

DEPARTMENT OF INFORMATION TECHNOLOGY

FACULTY CORNER

Guest Lectures taken by faculty

1. Dr. P. D. Adane delivered a lecture on Concept of PKI and Digital Certificate on 29th September 2022 at Regional Training Institute, Nagpur.
2. Dr. Purshottam J. Assudani delivered a lecture on How to Keep Cloud Apps Current Up-to-the-Minute (Cloud Computing Masterclass) on 14th July 2022 at Caltech (California University), USA, (Ranked 2nd in the world). The Lecture was attended by Corporate Participants from many countries. The lecture is available on YouTube and the link for the same is <https://www.youtube.com/watch?v=EkOpXAYOuwo&t=640s>
3. Dr. Purshottam J. Assudani delivered a lecture on A preview of the Caltech Post Graduate Program in Cloud Computing (Cloud Computing Masterclass) on 28th August 2022 at Caltech (California University), USA, (Ranked 2nd in the world).

Publications

Dr. P. D. Adane published a book chapter titled “Unblocking the Blockchain: Concept and Use Cases” in Taylor & Francis Group (SCOPUS Indexed) with ISBN: 9781003203933 in the year 2022.

STTP/FDP/other Training Attended by Faculty

1. Dr. Purshottam J. Assudani attended an Innovation Ambassador Training (IA) 'Foundation Level' of 30 hours for which the certificate was issued on 22nd July 2022 organized by MoE's Innovation Cell and AICTE.
2. Dr. Purshottam J. Assudani attended an Innovation Ambassador Training (IA) 'Advanced Level' of 30 hours for which the certificate was issued on 23rd July 2022 organized by MoE's Innovation Cell and AICTE.

STUDENTS' CORNER

Toppers List (Combined list of two shifts) if applicable

Sr. No.	Second Year	Third Year	Fourth year
1	Shivam Kumar (9.87)	S Bhavana (10)	Rohit Rajesh Channe (9.71)
2	Shubh Sudhir Popat (9.85) Bhumika Manoj Gajrani (9.85)	Swarali Sunil Gogulwar (9.84)	Shivam Ashok Vishwakarma (9.67)
3	Vedant Sanjay Nawade (9.67)	Rishika Harish Chhabrani (9.69)	Muskan Atul Nevatia (9.44)

STUDENT ACHIEVEMENTS

Sr. No.	Name of Student	Achievement	Date
1	Viddhi Siddhawar	Microsoft Certified: Azure Fundamentals	28 th June 2022

Conference, STTP and Guest Lectures organized in Department

Sr. No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1	Career Opportunities in IT Industry	Mr. Deepak Jha Project Manager, Lightbeam.ai, Nagpur	02 hours	27 th August 2022
2	Importance of Social wellbeing and activities	Mr. Vinay Chawala, Founder, Enlighten the Soul	02 hours	3 rd September 2022
3	Trailblazer in the Salesforce Ecosystem	Mr. Ajay Sharam, Senior Manager, Engagement delivery, Salesforce Telanagana	02 hours	10 th September 2022
4	Tableau	Ms. Jhalak Chandak Data Analyst Konverge.AL	02 hours	16 th September 2022

ANY OTHER ACTIVITY (S):

TEACHERS' ACCOMPLISHMENTS:

Dr. Purshottam J. Assudani was invited for delivering Guest lectures on Cloud Computing for Caltech (California University, USA), (Ranked 2nd in the world). The Lectures were attended by Corporate Participants from 43 countries across 5 continents.

BEYOND ACADEMICS:

- 97.18% of 2021-22 Batch eligible IT students got placed through campus drive.
- 53 students of 2021-22 Batch completed Full Time Internship in top IT companies Amazon, VmWare, Nutanix, Principal Global, Icertis, ZS Associates, Fresh Gravity, Persistent, Cognizant, Accolite, TCS, Infosys from the Department.

DEPARTMENT OF MECHANICAL ENGINEERING

FACULTY CORNER

Guest Lectures taken by faculty

1. Dr. Y. M. Sonkhaskar and Prof. Ambarish Deshpande delivered a guest lecture on “Design Thinking and Critical thinking” on 05/08/2022 at NIT Polytechnic, Nagpur.

Publications

1. Dr. Pranjali Deole has published a paper titled TELEMEDICINE – A STEP TO BETTER PATIENT CARE in Neuro Quantology September 2022 | Volume 20 | Issue 9 | Page 1970-1974 | doi: 10.14704/nq.2022.20.9.NQ44228 (Scopus).
2. Dr. Pranjali Deole has Published a paper (book chapter) titled Performance Improvement of compound parabolic collector using dual receivers in Recent advances in Energy technologies, Lecture notes in Mechanical engineering book series LNME (Scopus) on sept 30, 2022.
3. STTP/FDP/other Training Attended by Faculty.
4. Prof. Dr. S. R. Kulkarni participated and successfully completed the 5-day Face-to-Face Universal Human Values -II FDP from 26th July to 30th July 2022 organized by All India Council for Technical Education (AICTE).
5. Prof. N. P. Gudadhe participated and successfully completed two day workshop on Advanced Materials Characterization Techniques (AMCT-2022) from 15th to 16th, July 2022 organized by Central Instrumentation facility, IIT, Bhilai.
6. Sandeep Joshi et al., Performance analysis of Agrophoto voltaic systems with Solanum lycopersicum crops, Materials Today: Proceedings, 2022, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2022.09.300>. (SCOPUS Indexed).
7. Sandeep Joshi et al. Review on agrophotovoltaic systems with a premise on thermal management of photovoltaic modules therein. Environ Sci Pollut Res (2022). <https://doi.org/10.1007/s11356-022-23202-6>, ISSN: 1614-7499, Published on sept 2022 (SCI Indexed).
8. The following papers has been presented by the students (UG/PG and Ph.D.) and faculty members of Department of Mechanical Engineering at International Conference on Recent Developments in Mechanical Engineering ICRDME-22.
9. Dr. Y. M. Sonkhaskar and Prof. Bhushan Bissa have undergone “Foundation Level and Advanced level” Innovation Ambassador (IA) Training conducted in online mode by MoE's Innovation cell and AICTE during July 2022.

DEPARTMENTAL ACTIVITIES

Industrial Visits - In order to familiarize the Seventh Semester Mechanical Engineering students about the work environment and work practices in a Solar PV module Manufacturing Industry, an Industrial Visit was organized on Monday 10 Oct 2022 from 2 PM -5PM to Novasys Greenergy Pvt. Ltd., Khasara no. 185, Mauza: Mahalgaon, Tahsil: Kamptee, District: Nagpur. 27 final year students and two faculty members, Dr Mrs. S. D. Moghe and Dr. S. S. Joshi from Mechanical Engineering visited the plant.

Conference, STTP and Guest Lectures organized in Department



Release of Abstract Book (ICRDME-22) on 23 Sept 2022 at RCOEM Nagpur at the hands of Shri Hemant Gadgil, Executive Director La foundation Dassault systems, India

Department has organized an International Conference on Recent Developments in Mechanical Engineering” ICRDME-22 during 22-23 Sept 2022. The conference received a huge response of over 100 papers from all over India. VNIT Nagpur, CSIR- NEERI, CSIR-CIMFR, Research for Resurgence Foundation, Tata Technologies and ISA-Hyderabad Section supported the conference as the Knowledge partners while Novasys Greenergy Pvt Ltd, Nagpur supported it as the Platinum Sponsor. One of the major attractions of the conference was the exhibition of Mono Perc Half Cut Bifacial Solar PV module by Novasys Greenergy Nagpur.

Dr.Nitin Labhsetwar from NEERI Nagpur, Mr. Ashok Kumar Singh, Mr. Prasad Joshi and Ms.Vidhya Sahu from NovasysGreenergy have delivered plenary sessions. Senior delegates from Ashok Leyland Bhandara and Sharada Shree Ispat Ltd Butibori have presented various case studies on the live industrial problems. The conference was concluded at the Valedictory function on 24th September 2022, The invited guests, Dr Pranav Sapkal of Lucid Implants and Dr. D. K. Sakhare of CIMFR congratulated the organizing team for the successful conduction of the conference.

ICRDME-22 succeeds in realigning the conventional Mechanical Engineering towards multidisciplinary and innovative solutions for the society at large.

Conference, STTP and Guest Lectures organized in Department

Sr. No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1	Supply Chain Management	Mrs. Aditi Patil, Professor, Mount Royal University, Bissett School of Business Department of International Business and Supply Chain Management, CALGARY,CANADA	1 Hour	20 th July 2022
2	Writing a research Proposal for Assured Funding	Dr Venkadeswaran, Associate Professor, Jain University Bangalore	02 hours	17 th Aug. 2022
3	World Class Manufacturing	Mr. Neeraj Tiwari, Director, Global WCM, FCA Fiat Chrysler Automobiles, China	1 Hour	18 th Aug. 2022
4	Preparing and Submitting Research Proposal for Opportunities in Defence Research	Prof. Rahul G. Makade, Asstt. Professor MIT ADT University, Pune	2 Hours	20 th Aug. 2022
5	Preparing for CAT and Aptitude Tests	Mr. Ashish Gaidhane, Calibers Nova, Nagpur	2 Hours	28 th Sept. 2022
6	Opportunities in Research	Mr. Achintya Paliwal, Alumnus BE Mech. 2018	1 Hour	29 th Sept. 2022

STUDENTS' CORNER

Student Achievements

Sr. No.	Name of Student	Event	Achievement	Date
1	Aman Singh	ICRDME-22	Best Paper Award	24/09/2022

DEPARTMENT OF CHEMISTRY

FACULTY CORNER

Awards received by Faculty of department

Dr. Balvinder Talwar received 'Best Paper Award' in International Conference on Innovations in Science, Hybrid Materials and Vibration Analysis, IC-ISHVA 2022, 16th-17th July 2022 organised by Research Association of Masters of Engineering, Pune.

Publications

1. Dr. Sanjogta Meshram published her paper titled “Review paper on Radioactive Wastes and its Management” in Scopus Indexed Journal, Neuro Quantology, September 2022, Volume No. 20, Issue 9, Pages 2038-2044 doi: 10.14704/nq.2022.20.9.NQ44235
2. Dr. Sanjogta Meshram published her paper titled “Bio- Medical Wastes Management: A Review” in Scopus Indexed Journal, Neuro Quantology, September 2022, Volume No. 20, Issue 9, Pages 2031-2037 doi: 10.14704/nq.2022.20.9.NQ44235.

STTP/FDP/other Training Attended by Faculty

1. Dr. Suraj Butoliya attended IQAC workshop sponsored by NAAC from 29 th to 30 th August 2022 organized by RCOEM.
2. Dr. Balvinder Talwar attended IQAC workshop sponsored by NAAC from 29 th to 30 th August 2022 organized by RCOEM.
3. Dr. Suraj Butoliya Attended 5 Day Face to face UHVII FDP From 26 th July to 30 th July 2022 organized by AICTE.

Any other activity(s):

1. Dr. Sanjogta Meshram Successfully presented the paper titled “Biodiversity and its Conservation in India” in the Interdisciplinary National Conference at on Ecology, Society and Literature: Human Impacts and Reflections organized by Department of Humanities and Social Sciences at VNIT , NAGPUR on 3 rd August 2022.
2. Dr. Sanjogta Meshram Successfully presented the paper titled “Review paper on Radioactive wastes and its Management” in the 1 st International Biomedical Engineering Conference at “Multidisciplinary Perspective in Healthcare” (IBMEC- 2022) organized by Department at Shri Ramdeobaba College of Engineering and Management, NAGPUR on 2 nd and 3 rd September 2022.
3. Dr. Sanjogta Meshram Successfully presented the paper titled “Bio- Medical Wastes Management: A Review” in the 1 st International Biomedical Engineering Conference at “Multidisciplinary Perspective in Healthcare” (IBMEC- 2022) organized by Department at Shri Ramdeobaba College of Engineering and Management, NAGPUR on 2 nd and 3 rd September 2022.
4. Dr. Sanjogta Meshram, Assistant Professor, Applied Chemistry Department, R.C.O.E.M. Nagpur has participated and presented in One Day Multidisciplinary International e-Conference on Sustainable Development Goals: Key Issues, Opportunities and Challenges in Environment, Agriculture, Population, Resources, Economy and Social Sciences organized by the Internal Quality Assurance Cell (IQAC)), Shri Shivaji Law College, Kandhar, Dist. Nanded, (M.S) India In collaboration with Global Foundation on Date: 20th August 2022. She has presented a research paper entitled E-Waste a New Challenge for Waste Management in India: Mini Review.

5. Dr. S. L. Mudliar was invited by St. Xaviers High school, Hiwari Nagar Branch Nagpur for interactive session on Ill effects of Plastic usage for High School students on 6th July 2022.
6. Dr. Suraj Butoliya Chaired a Session in International Conference on Innovations in Science, Hybrid Materials and Vibration Analysis, IC-ISHVA 2022, 16-17 JULY 2022 organised by Research Association of Masters of Engineering, Pune.
7. Dr. Priti A. Mangrulkar was invited as a Judge for event “On-the-spot Science Model Making” schedule on 25th August 2022 in the Centre Point School.
8. Dr. Meenal V. Joshi was invited as Judge for Science-Tech Exhibition of B. Tech First year organised by JD college of Engineering and Management, Nagpur dated 11th July 2022.

DEPARTMENT OF HUMANITIES

FACULTY CORNER

Guest Lectures taken by faculty

1. Dr. V. H. Asudani delivered a lecture on Sindhi Literature : Past and Future on 13th September 2022 at Post Graduate Teaching Department of English, Mumbai University, Mumbai in refresher course .(Online Mode)
2. Dr.V.H.Asudani delivered a lecture on Gender Equality: Discrimination at work place on 20th September 2022 at IIIT Nagpur in STTP. (Online Mode)
3. Prof. Pratishruti S Singh delivered lectures on How to Make PPTs, Art of Critical Questioning and Book Review for Institute of Chartered Accountants, Nagpur Branch on 23rd, 24th, 25th and 26th July 2022.
4. Prof. Pratishruti S Singh conducted a Group Discussion session at Institute of Chartered Accountants, Nagpur Branch on 20th August 2022.
5. Prof. Pratishruti S Singh attended Second Board of Studies Meeting, Department of Gandhian Thoughts, RTMNU on 24th August 2022 at Rashtrasant Tukadoji Maharaj Nagpur University.
6. Prof. Pratishruti S Singh delivered lectures on How to Make PPTs, Art of Critical Questioning and Book Review for ShriMathuradas Mohta Science College on 9th, 10th, 11th and 12th September 2022.

Publications

1. Dr.V.H.Asudani published a book , “ The Intellectual” (English translation of Sindhi Plays of M. Kamal) published by R.K.Publication, Mumbai with ISSN 9789391458416
2. Dr. Vinod H. Asudani and Dr. Monika R. Seth presented a paper , “ A cry for sustainability in Coffer Dams” in 2 day International Conference on Adopting Green Initiatives for Sustainability on 24th and 25th August 2022 organised by PCE, Nagpur in Collaboration with CSIR-NEERI, Nagpur. They received best paper presentation award in the conference.

3. Dr.Vinod H. Asudani presented a paper entitled, “Critical Evaluation of Naryan Sham's Ghazal” in one day centenary National seminar on Narayan Sham organised by SahityaAkademiMumbai, Government of India at Bhopal on 22nd July 2022.
4. Dr.Vinod H. Asudani presented a paper entitled, “Critical Evaluation of Naryan Sham's Ghazal and taril ” in two day centenary National seminar on Narayan Sham organised by Sindhi Academy Delhi , Government of Delhi at Delhi on 22nd and 23rd July 2022.
5. Dr.Vinod H. Asudani presented a paper entitled, “ Critical Evaluation of VasdevMohi'sGhazal” in one day National seminar on Life and works of VasdevMohiorganised by SahityaAkademi Mumbai , Government of India at Ahmadabad on 27th August 2022.

STTP/FDP/other Training Attended by Faculty

1. Dr. Monika R. Seth attended a STTP(Styles of Leadership in Contemporary Academia) from 25th to 29th July 2022 organized by VNIT, Department of Humanities and Social Sciences, Nagpur.
2. Dr. Monika R. Seth attended a FDP (5 day Face to Face UHV-II) from 2nd to 6th August 2022 organized by AICTE at Pimpri Chinchwad College of Engineering , Pune.
3. Prof. Pratishruti S Singh attended three days International Virtual Workshop on Research Article Writing and Publications in High Impact Journals from 5th – 7th August 2022 organized by Lavender Literary Club, India, Cape Comoris Trust, India, Malaysian Industrial Relations and Human Resource Association, Malaysia.
4. Prof. Pratishruti S Singh attended One Week Faculty Development Programme on The Art of Effective teaching in the Light of NEP from 13th September – 17th September 2022 organized by Swami Keshavanand Institute of Technology, Management and Gramothan, Jaipur.
5. Prof. Pratishruti S Singh attended Five Day Faculty Development on Gendered Contours of Feminism from 26th - 30th September 2022 organized by Department of Languages, Presidency University, Bengaluru.
6. Prof. Sonal Trivedi attended 2 hours Webinar on Literature Review Writing organised by Research Graduate on 27th August, 2022.

DEPARTMENTAL ACTIVITIES

Conference, STTP and Guest Lectures organized in Department

Sr. No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1	Dr. Deepshikha Mehra	Apurva Bhiwapurkar, Associate Sales Engineer, Juniper Networks, CO, USA	For 7 th Semester EC students, RCOEM.	27 th Sept. 2022

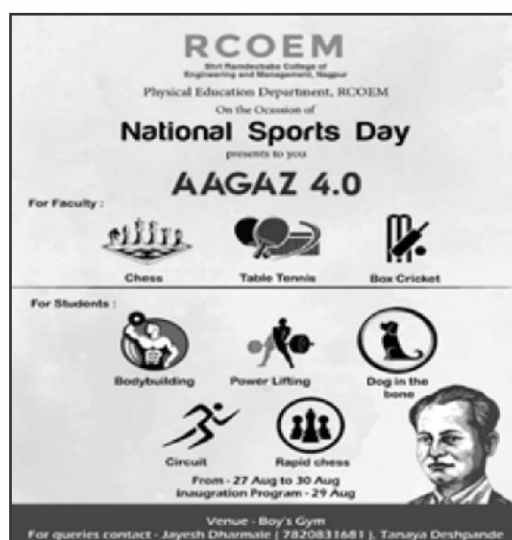
Sr. No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
2	Prof. Jasleen Rihan and Dr. Akanksha Deshpande	Mr. Hitesh Dewani, Co-founder and Director, H.R. Mentors	For B.Tech First year Semester II – Fast Learners.	16 th Sept. 2022
3	Prof. Sonal Trivedi	Prof. Sonal Trivedi, Asst. Professor, Dept of Humanities, RCOEM	English Camp 1.0, For B.Tech First year Semester II – Slow learners	20 th Aug., 27 th Aug., 3 rd Sept., 10 th Sept., 17 th Sept. 2022
4	Prof. Pratishruti Singh Agarwal	Dr. Rosy Matilda, Asst. Professor, CMR College of Engineering and Technology, Hyderabad	Nature and Style of Sensible Writing for B.Tech First year students of Section M and J. (Online mode).	18 th July 2022

DEPARTMENT OF PHYSICAL EDUCATION & NSS

National Sports Day : Aagaaz 4.0

On the account of National Sports Day, the birth anniversary of hockey legend Major Dhyan Chand, department of Physical education, RCOEM organized its fourth edition of AAGAAZ. from 27th August for RCOEM students. The global outbreak of COVID- 19 had resulted in closure of sports events, games, and the field spirit of players. Many individuals were therefore not able to actively participate in group sporting or physical activities. The rebooting of AAGAAZ event offline, highlighted the need to individual physical fitness activities. The competition was formally inaugurated at 3:00pm on 29/08/22.

The structure of the competition was divided into two parts which were, three common events for boys and girls (Chess, Powerlifting, Circuit for points) and for girls (Dog and the bone).



DEPARTMENTAL ACTIVITY

Session begins with the conduction of interviews for the college sports secretary by the Department of Physical Education. Interviews for Sport Secretary was conducted on 23rd July 2022 at department and after that Interviews for Joint Sport Secretary was conducted on 20th August 2022. List of finalized Students is as under:

Sports Students Committee

Sr. No.	Name	Branch & Year	Post
1	Abhinav Kumar	EC IV th Year	Secretary (M)
2	Tanaya Deshpande	IND IV th Year	Secretary (W)
3	Jayesh Dharmale	EE III rd Year	Jt. Secretary (M)
4	Esha Kumbhare	AIML III rd Year	Jt. Secretary (W)

Chess Competition



The Chess competition began on 27th August 2022, at 3 pm at the gym. The competition was offline and consisted of 15 players.

The Power Lifting Competition



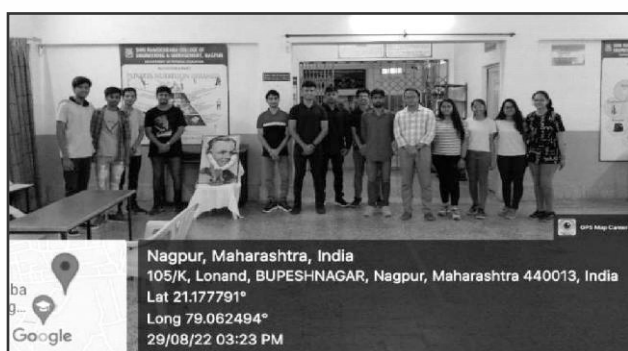
The Power lifting competition was held on 30th August 2022. The power lifting had a total of 13 participants. To judge the participants for power lifting, Mr. Subhash Kamdi, Nagpur District. Secretary was invited to the event. Participants were asked to perform Squats, Bench Press and Deadlift for a range of weights. After each round weight were increased gradually. Attempts of the participants were considered. The participants who lifted the maximum weights in least no. of attempts were selected as winners.

Circuit of Champions

Shortly after the Chess Finals on 29th August 2022, "Circuit of Points" first round started. Total 12 participants were asked to perform the given circuit in the least possible time. The competition went through successfully and three winners were selected, two from boys and one girl.



Dog and the Bone



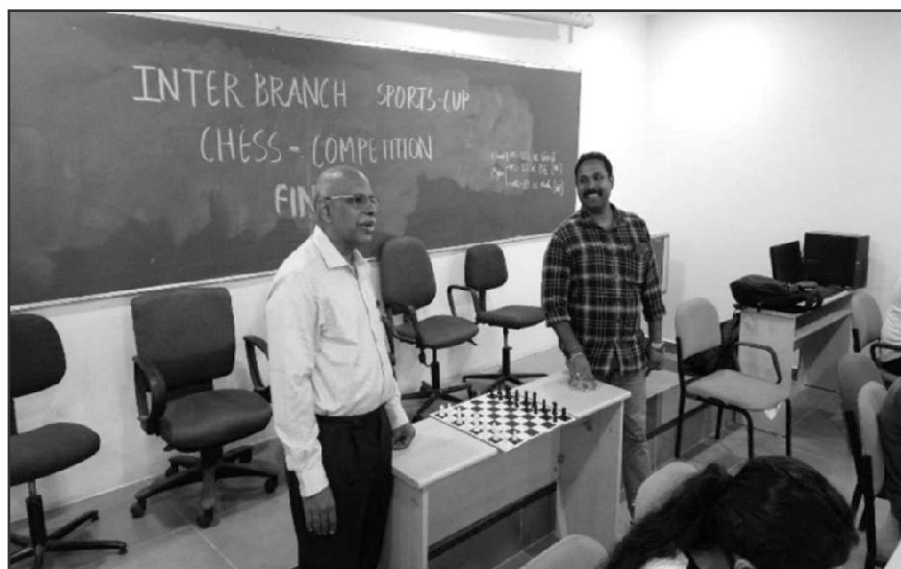
Paying tribute to Mj. Dhyanchand on National Sports Day

The Dog and the Bone competition was held on 30th August 2022. It had total of 15 participants. Groups of 5 were made to compete with each other in turn wise. All the players played with enthusiasm and interest, and wanted to win this fun game.

The event concluded on 30th August 2022. For this event, Participants showed utmost enthusiasm and kept the competition alive and challenging. Out of 68 registered participants we saw 50 of them participating in one or more events.

RESULTS OF AAGAAZ 4.0

S.N.	Event	Position	Name	Year	Branch
1	Chess (Boys)	1	Kunal Sharma	III	EC
2	Chess (Girls)	1	Anushka Agrawal	III	EC
3	Power Lifting (Boys)	1	Jaana Khan	I	MBA
		2	Aditya Gupta	II	MBA (I)
4	Power Lifting (Girls)	1	Priyancy Malani	I	AIML
		2	Aarya Agrawal	III	BIOMED
5	Circuit for Points (Boys)	1	Huzafa Hussain	III	EC
		2	Huzaf Ahmed	I	MECH
6	Circuit for Points (Girls)	1	Samidha Nayak	III	BIO. MED
TEAM EVENT WINNER					
7	Dog and The Bone (Girls)	1	Masira Khan	I	BIO. MED
			Anushree Jain	I	BIOMED
			Sejal Jagtap	I	IT
			Mrunmaiee Kurhade	I	CSE
			Nirmitti Umekar	I	CSE



Dr. Satish D. Mohgaonkar Interacting with Students

Inter Branch Chess (M & W) 2022-23



Inter Branch Chess tournament for Men and Women was organized by Department of Physical Education from 12th to 14th September 2022 in the College. In men section 10 branches participated. Overall 48 students participated in this Inter Branch Tournament, Final match was played between EC and CIVIL Branch on 14th September 2022.

In women section 07 branches participated in the Inter Branch Tournament. Overall 33 students participated in this Inter Branch Tournament, Final match was played between EC and IT Branch on

14th September 2022. For the final match Dr. Satish D. Mohgaonkar, Head of Mathematics Department was present.

INTER BRANCH CHESS (M & W) 2022-23					
	1 st Place	2 nd Place	3 rd Place	No. of Teams	No. of Participants
MEN	EC	CIV	CSE	10	48
WOMEN	EC	IT	EE	7	33

Inter Branch Table Tennis (M & W) 2022-23

Inter Branch Table Tennis tournament for Men was organized by Department of Physical Education from 13th to 15th September 2022 in the College.

In men section 11 branches participated in Inter Branch Tournament. Overall 48 students participated in this Inter Branch Tournament, Final

match was played between MBA and ELECTRICAL Branch on 15th September 2022.

In women section 10 branches participated in the Inter Branch Tournament. Overall 44 students participated in this Inter Branch Tournament, Final match was played between CSE and EN Branch on 15th September 2022. For the final match faculties from both the department were present.



*Inter branch TT 2022-23
Winner CSE Team*



*Inter Branch TT (M)
in action*

INTER BRANCH TABLE TENNIS (M&W) 2022-23					
	1 st Place	2 nd Place	3 rd Place	No. of Teams	No. of Participants
MEN	MBA	EE	CSE	11	48
WOMEN	CSE	EN	IND	10	44

Inter Branch Badminton (M & W) 2022-23

An Inter Branch Badminton tournament for Men and Women was organized by Department of Physical Education from 12th to 15th September 2022 at the Shuttlers Craze Sports Academy Badminton Court. In men's section 11 branches participated in the Inter Branch Tournament. Overall 52 students participated in this Inter Branch Tournament, Final match was played between IT and MECH Branch on 15th September 2022.

In women's section 11 branches participated in the Inter Branch Tournament. Overall 54 students participated in this Inter Branch Tournament, Final match was played between EC and CSE Branch on 15th September 2022. During the final match teacher In-charge of EC dept and CSE department were present.



Inter Branch Badminton (W) Final



Inter Branch Badminton (M) Final

INTER BRANCH BADMINTON (M & W) 2022-23

	1 st Place	2 nd Place	3 rd Place	No. of Teams	No. of Participants
MEN	MECH	IT	CSE	11	52
WOMEN	EC	CSE	IND	11	54

INVITATIONAL TOURNAMENT

DNC Krida Mohotsava 2022



Shri Shivaji Education Society, Amravati's Dr. Punjabrao Deshmukh Krida Mahotsava was organized from 28TH SEPT – 1ST OCT 2022 at Dhanvate National College, Congress Nagar, Nagpur. Team RCOEM participated in the events and the results are as under:

Sr. No.	Game	Result
1	Football	Participation
2	Basketball	4 th Place
3	Chess	1 st Place
4	Volleyball (M)	Participation
5	Badminton (M)	Participation

NSS (NATIONAL SERVICE SCHEME)

Session begins with the conduction of interviews for the college NSS secretary by the Department of Physical Education. Interviews for Secretary was conducted on 23rd July 2022 at department and after that Interviews for Joint Sport Secretary was conducted on 12th September 2022. List of finalized Students is as under:

Sr. No.	Name	Branch & Year	Post
1	Aryan Gangapari	EE IV Year	Secretary (M)
2	Kalyani Trivedi	EDT IV Year	Secretary (W)
3	Rohan Kukreja	EE III Year	Jt. Secretary (M)
4	Supriya Thakur	CIVIL III Year	Jt. Secretary (W)

AZADI KA AMRIT MAHOTSAV- 2022

India is celebrating 75 years of independence under the title Azadi ka Amrit Mahotsav. Different events are being conducted all over the nation to celebrate the 75 years of independence and to pay tribute to the great freedom fighters who attended the martyrdom for this pious motherland.

RCOEM
Shri Ramdeobaba College of
Engineering and Management, Nagpur



आज़ादी का
अमृत महोत्सव

Har Ghar Tiranga
8 TO 15 AUGUST 2022

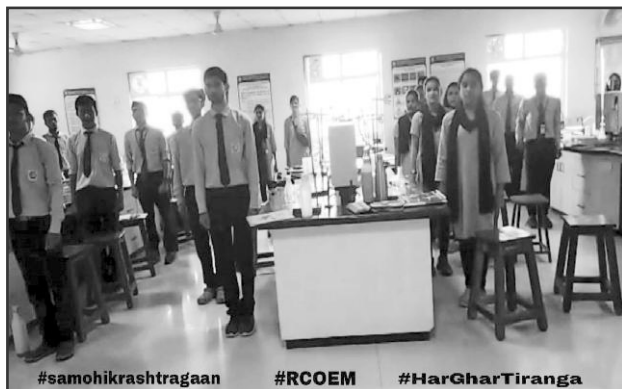
SR NO.	DATE	TIME	EVENT	COORDINATING CLUB	NAME AND CONTACT
1)	08/08/2022	11 AM	SAMUHIK RASHTRAGAN	MUSIC CLUB	ESHAN CASMIR 9422714536
2)	12/08/2022	11 AM - 12 PM	AWARENESS CAMPAIGN FOR HAR GHAR TIRANGA	NCC	VIHANG PATHAK 9518938110
3)	12/08/2022	12 PM - 4 PM	SUBMISSION FOR COMPETITIONS	NSS	ARYAN GANGAPARI 8177917035
4)	13/08/2022	3 PM	STREETPLAY	DRAMA CLUB	SARVESH DESHPANDE 9834372601
5)	15/08/2022	8 AM ONWARDS	INDEPENDENCE DAY	NSS	ARYAN GANGAPARI 8177917035

#RCOEMCELEBRATESAZADIKAMRUTMAHOTSAV
#RCOEMHARGHARTIRANGA
OVERALL COORDINATOR - NSS

Activities conducted under AKAM at RCOEM:

SAMUHIK RASHTRAGAN:

On 8th August, NSS unit of took the initiative and organized SAMUHIK RASHTRAGAN event in which the National Anthem was sung in the college to commemorate the 75 years of independence and to awake the Spirit of National Pride in everybody. National Anthem was sung in every class and lab at the same time to symbolize the national unity. Overall it was an event filled with pride and honor and gratitude towards the country.



HAR GHAR TIRANGA CAMPAIGN: 13th -15th August



- On 11th August, 75 Students and Faculty members Standing with National Flag and Started the Campaign for awareness of HAR-GHAR -TIRANGA during 13th -15th August 2022.
- **On 12th August 2022:** Sports, NSS and NCC Students organised a walkathon in the College Campus for HAR GHAR TIRANGA Campaign and Visited to Hon'ble General Secretary, Principal, all HOD, Deans, Faculties and staff from various departments and requested to Participate in HAR GHAR TIRANGA -HAR GHAR JHANDA Campaign.

TIRANGA- HAR GHAR JHANDA Event

- On 13th August, Students from Drama club of RCOEM conducted a Street Play on the theme of One Country-One People in College campus for awareness about National Flag and NSS Unit arranged a selfie point during 13-15 August 2022 for HAR GHAR

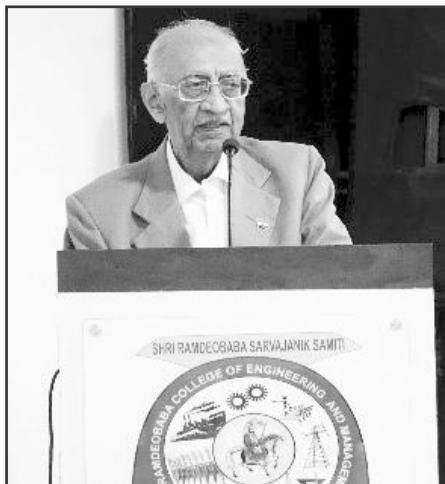


- SAMUHIK RASHTRAGAN UNDER SWARAJYA SAPTAH:** On 17th August, Samuhik Rashtragan was conducted on 11 am in all over college Campus as per the guidance of State Government program for 75 years of celebration of independence under SWARAJYA-SAPTAH.



INDEPENDENCE DAY-2022 : AZADI KA AMRIT MAHOTSAV

RCOEM celebrates 75 Years of Glorious - Progressive Independent India

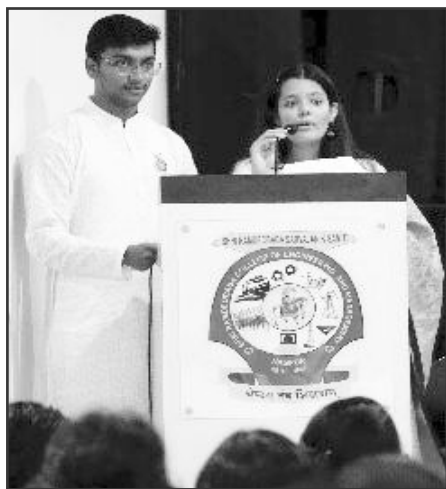


*Chief Guest Hon. Vice-Chairman
Shri Chandrakantbhai Thakar*

Nagpur, 15th August 2022: on the occasion of 76th Independence Day celebration as this year was marked as 75 years of India's Independence. In correspondence to this, RCOEM also celebrated the day with detonation of upmost patriotism along with HARGHAR TIRANGA Campaign. The program started with the chief guest, Hon. Vice-chairman Shri Chandrakantbhai Thakar hoisted the Tricolor along with National Anthem, then all dignitaries,



Rangoli



NSS Vol during Anchoring



Drama Club



Dance Club

students and staff proceeded towards the main Auditorium of RCOEM for Cultural program. The next phase of the event included various performances by the students of literary, Dance, Drama and Music club of SRC with overall Coordination by NSS Unit of the institution. Further, the program was proceeded by the presentation of the literary club which composed of poems and talks which profoundly explained the essence of 75 years of India's Independence. Next entity in this cultural program included the nerve of the event, i.e. the melodious performance by Music club which made the aura of the venue flooded with nationalism. Similarly, Drama Club beautifully presented the contribution & sacrifices of many known and unknown freedom fighters in the freedom movement of this country. In the final cherry on the cake was the marvelous performance by the students of the Dance club which definitely made the event a great end with motivational message. After these heart-warming performances, it was



Dignitaries and Faculties

now hour to acquire some words of wisdom by our respected Chief Guest Hon. Vice-chairman Shri Chandrakantbhai Thaker. While the Hon. Guest was availing his wisdom, the students and all present in the venue were all ears. Other Executive Members, Dr. R.S. Pande (Principal, RCOEM) along with faculties, students and staff were present on this occasion. Anchoring was done by NSS Volunteers Ms. Shruti Upadhyay & Mr. Himanshu Yelchatti and Ms. Kalyani Trivedi, NSS Secretary proposed vote of Thanks. Finally, the event was ceased with lots of pride, honor and nationalism.

Blood Donation Camp under Foundation Day of College: 10th September 2022

On the foundation day 10th September, 2022 of this premier institute a grand celebration program was organized. The event was inaugurated by cutting the ribbon at the hands of the Guest of Honor, General Secretary of RCOEM, Hon. Sir Rajendra ji Purohit in the presence of other dignitaries and Principal Dr. Rajesh Pande.



Various program was conducted on this occasion:

- Tree Plantation
- Computer Donation to different organization working for social activities
- Cultural program: Classical Dance
- Blood Donation

Blood Donation

To celebrate the occasion with social responsibility, a blood donation camp by NSS unit RCOEM was organized. A total number of 176 registration were done and out of these 121 donations were successfully accomplished which itself was a great feat achieved by the NSS unit.



NSS FOUNDATION DAY



NSS Unit of RCOEM Celebrated NSS Foundation Day on 24th September 2022 in the Electronics Department auditorium of the college. The event commenced at 11:00 am in the presence of honourable Chief Guest Dr. Satish Mohgaonkar Sir, Dr. Amit Anurag (NSS Programme Officer) and Prof. Saket Kanetkar. A total of 82 students were present during the event.



The program started by welcoming the guests and lamp lighting ceremony followed by a brief information about the NSS and video presentation of the activities of NSS unit of our college. Dr. Amit Anurag guided the new volunteers for their beginning followed by a speech given by the Chief Guest, Dr. Satish Mohgaonkar. The event preceded with students giving standing ovation and felicitating Dr. Mohgaonkar Sir as a mark of respect.

Later, Dr. Satish Mohgaonkar Sir presented the badges to volunteers in a badge distribution ceremony and then Dr. Amit Anurag Sir extended his gratitude towards Dr. Satish Mohgaonkar Sir and all the attendees of the program. The event concluded with a formal vote of thanks by Mr. Rohan Kukreja.

NCC (NATIONAL CADET CORPS)

RCOEM Students (NCC Cadets) represented Maharashtra directorate (Awarded Best Air Directorate) in ALL INDIA VAYU SAINIK CAMP-2022:

At ALL INDIA VAYU SAINIK CAMP-2022, Indian Air Force officers awarded the coveted Best Air Directorate Trophy to Maharashtra directorate for being overall winner various competitions conducted during the camp at Jodhpur, Rajasthan on 4 October 2022. The camp had participation of 608 cadets from 16 directorates across the country.

14 SW (girls' cadet) and 24 SD (boys' cadet) were selected to represent Maharashtra directorate at all India level during the winter group competition from 3 units of Maharashtra i.e. Nagpur, Pune and Mumbai. The team underwent training in three camps to compete in various competition like drill, firing, aero-modelling, tent pitching, flying subjects and health and hygiene.

Two students of Shri Ramdeobaba College of Engineering and Management, Nagpur were the part of Maharashtra team namely:

- CUO SURBHI JOLDEO (skit shooting-firing): EC IV
- Cadet VAIDEHEE PATHAK (flying and ground subject): EE III

The contingent was overall best in Firing and Flying & Ground subject, won Silver in static aeromodelling and Bronze in health & hygiene.

DEPARTMENT OF COMPUTER APPLICATIONS

FACULTY CORNER

Guest Lectures taken by faculty

1. Prof. Satyajit S. Uparkar has delivered a lecture on Non Parametric Test on 01/09/2022 at G. H. Raisoni College of Engineering , Nagpur.
2. Dr. Sachin Upadhye has delivered a lecture on “Mobile security issues: Risks, vulnerabilities and safeguards” on 28th September 2022 Date at Regional Training Institute, Indian Audit & Accounts Department, Nagpur.
3. Dr. Sachin Upadhye has delivered a lecture on “Internet and Web security” on 26th September 2022 at Regional Training Institute, Indian Audit & Accounts Department, Nagpur.



Publications

1. Dr. Sachin Upadhye and Prof. Satyajit Uparkar have published a paper titled “Trading app analyzer using implanted sensing technique in IoT via blockchain-based networks” in International Journal of Health Sciences (IJHS)) with ISSN: 2550-6978 E-ISSN: 2550-696X, Volume 6, Issue S-6 (Scopus)
2. Dr. Sachin Upadhye has presented a paper titled “Optimism or Pessimism: Is Blockchain Technology Helping the Healthcare Industry” in IEEE International Conference on Blockchain and Distributed System Security (ICBDS)-2022, dated 16th – 18th September 2022 at MCCIA Trade Tower Pune. The paper will be published in Scopus index Conference proceedings.

STTP/FDP/other Training Attended by Faculty

1. Prof. Yoginee Pethe and Prof. Pranali Dandekar have attended One Week National Level Faculty Development Programme on "Recent Trends in Deep Learning" Sponsored by IEEE from 01 July to 07 July, 2022 organized by GHRIET, Nagpur.
2. Prof. Satyajit S. Uparkar and Dr. Sachin D. Upadhye, have attended a FDP on Statistics for Data Science from 19/9/2022 to 23/9/2022 organized by National Institute of Technical Teachers Training and Research(NITTTTRC), Chennai.

3. Prof. Satyajit S. Uparkar has completed Innovation Ambassador (IA) Training both Foundation Level and Advance Level Certification, organised by MoE 's Innovation Cell & AICTE during Aug-Sept 2022.
4. Prof. Lalit Agrawal attended a two weeks industrial training from 10/08/2022 to 24/08/2022 organized by The National Small Industries Corporation Ltd.
5. Prof. Punam Khandar has attended a 40-hr FDP on “Machine Learning, Artificial Intelligence and its Applications” from 04.07.2022 to 14.07.2022 organized by NIT Warangal and RCOEM, Nagpur.
6. Dr. Sachin Upadhye has completed a four-week FDP of NPTEL on “Demystifying Networking” organized by IIT Madras.
7. Dr. Sachin Upadhye has attended a IEEE International Conference on Blockchain and Distributed System Security (ICBDS)-2022, dated 16th – 18th September 2022 at MCCIA Trade Tower Pune.
8. Dr. Sachin Upadhye and Prof. Manda Ukeyhave attended a two day National Assessment and Accreditation Council (NAAC) sponsored workshop on Reimagining Higher Education for Development and Empowerment: Teaching, Research and Innovation’ from 29th to 30th August 2022 organized by Internal Quality Assurance Cell (IQAC) Shri Ramdeobaba College of Engineering and Management, Nagpur.
9. Prof. Yoginee Pethe has attended live webinar on “Basic to Advanced Guide on How to write Literature Review” on 27/8/2022 organized by Research Graduate.
10. Prof. Yoginee Pethe and Prof. Pranali Dandekar have attended webinar on “Writing a Research proposal for assured funding” on 17/8/2022 organized by Department of Mechanical Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur.
11. All faculty members of the MCA department attended the webinar on “Industry Institute Interaction to Support Make in India” on 3/9/2022 organized by Department of Computer Applications, Shri Ramdeobaba College of Engineering and Management, Nagpur.

DEPARTMENTAL ACTIVITIES

Parents Meet, Alumni Meet and Departmental Installations or Events



Parents- teachers meet was conducted by the Department of Computer Application on 13th August 2022 for Semester-2 students, 11:00 am onward.

The main objective of this meet was to get the feedback from parent regarding the teaching learning process being followed by the Computer Application Department and also get useful suggestions from them. 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 who answered their specific queries and shared the future activities which were planned for the students in the Department.

Conference, STTP and Guest Lectures organized in Department

Sr. No.	Conference/STTP/ Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1	Session on Email writing. Coordinated by Prof. Satyajit Uparkar	Allan Abraham, TPO, CDPC, RCOEM	4 Hours	9 th July 2022
2	CDPC Roll in MCA Training and Placements Coordinated by Prof. Satyajit Uparkar	Prof. Kaushik Roy, Dean T&P, RCOEM, Nagpur	4 Hours	16 th July 2022
3	Guest lecture/Webinar on Industry “Institute Interaction to Support Make in India”. Coordinated by Prof. Yoginee Pethe	Dr. Archana G. Thosar, Dean R&D & Professor, Department of Electrical Engineering, College of Engineering, Pune	3 Hours	3 rd Sept. 2022

STUDENTS' CORNER

Toppers List (Combined list of two shifts) if applicable

Sr. No.	Second Year/Fourth Semester
1	Abhishek Vardhamurthy Naidu (10) Fatema Shabbir Ayya (10)
2	Bariya Naaz (9.94)
3	Sonali Arvindrao Akarte (9.74)

Students in Higher Studies

Diksha Pandurang Jagre has completed her Master of Science (M.S.) degree in Computer Science from Central Michigan University, USA in June 2022.

Any other activity(s):

Dr. Preeti Voditel was a member of the Chief Monitoring Committee for Smart India Hackathon 2022 held on 25th and 26th Aug 2022.

The following faculty members were the part of various organizing teams for Smart India Hackathon 2022: Prof. Lalit Agrawal (In-charge IT infrastructure management and WiFi), Dr. S. Upadhye, Prof. A. Gurjar, Prof. S. Uparkar, Prof. P. Dandekar, Prof. Yoginee Pethe and Prof. Punam Khandar.

DEPARTMENT OF MANAGEMENT TECHNOLOGY

FACULTY CORNER

Awards received by Faculty of department

Dr. Vikram K. Joshi Received Best Paper Award in International Conference on Recent Developments in Mechanical Engineering (ICRDME-2022), organised by Department of Mechanical Engineering, RCOEM, Nagpur dated 24th September 2022.

Guest Lectures taken by faculty

Department of Management Technology has organized a Management Development Program for the Staff of VANAMATI, Nagpur from 25th August 2022 to 8th September 2022. Following Faculty Members have taken lectures on respective topics given below:

Sr. No.	Name of the Faculty	Name of the Event
1	Dr. Abhijeet. Agashe	Introduction to Management - Salient Features, Nature, Scope Objectives and Functions of Management - Distinction between Management and Administration [MPSC Officers Training]
2	Dr. Gayathri Band	
3	Dr. Anant Deogaonkar	Structure of Organization - Characteristics of Organization- (Vision and Mission, Objectives) [MPSC Officers Training]
4	Dr. Sunita Dhote	
5	Dr. Sunita Dhote	Concept, Processes, Principles and Practices of a Learning Organization [MPSC Officers Training] [Batch-A]
6	Dr. Sunita Dhote	Concept, Processes, Principles and Practices of a Learning Organization [MPSC Officers Training] [Batch-B]
7	Dr. Anant Deogaonkar	Concept, Processes, Principles and Practices of a Learning Organization [MPSC Officers Training] [Batch-C]
8	Dr. Anant Deogaonkar	Concept, Processes, Principles and Practices of a Learning Organization [MPSC Officers Training] [Batch-D]
9	Dr. Pritam Bhadade	Organizational Authority and Delegation of Authority [MPSC Officers Training] [Batch-C]
10	Dr. Pritam Bhadade	Organizational Authority and Delegation of Authority [MPSC Officers Training] [Batch-A]
11	Dr. Abhijeet. Agashe	Leadership and Leadership Development [MPSC Officers Training]
12	Dr. Sunita Dhote	
13	Dr. Parihar Dahake	Organizational Authority and Delegation of Authority [MPSC Officers Training]
14	Dr. Rajiv Khaire	

Sr. No.	Name of the Faculty	Name of the Event
15	Dr. Sunita Dhote	Leadership Theories and Leadership Styles, Roles of a Leader – Women Leaders [MPSC Officers Training]
16	Dr. Vikram Joshi	
17	Dr. Parihar Dahake	
18	Dr. Vikram Joshi	
19	Dr. Sunita Dhote	Leadership and Leadership Development [MPSC Officers Training] [Batch-B&D]
20	Dr. Shravan Chandak	Organizational Behaviour – Concepts and Processes [MPSC Officers Training] [Batch-C]
21	Dr. Shravan Chandak	Organizational Behaviour – Concepts and Processes [MPSC Officers Training] [Batch-A]
22	Dr. Sunita Dhote	Key Factors Affecting OB - Four Elements of OB, Levels of OB and Challenges of OB [MPSC Officers Training] [Batch-C]
23	Prof. Rijuta Joshi	Organization Development – Concepts, Objectives Processes and Phases of OD [MPSC Officers Training] [Batch-C]
24	Dr. Sunita Dhote	Key Factors Affecting OB - Four Elements of OB, Levels of OB and Challenges of OB [MPSC Officers Training] [Batch-A]
25	Prof. Rijuta Joshi	Organization Development – Concepts, Objectives Processes and Phases of OD [MPSC Officers Training] [Batch-A]
26	Dr. Parihar Dahake	Factors affecting OD [MPSC Officers Training] [Batch-C]
27	Dr. Abhijeet Agashe	Human Dimensions of Organizational Development [MPSC Officers Training] [Batch-C]
28	Dr. Parihar Dahake	Factors affecting OD [MPSC Officers Training] [Batch-A]
29	Dr. Sunita Dhote	OCTAPACE Framework and other OD Interventions [MPSC Officers Training] [Batch-C]
30	Dr. Abhijeet Agashe	Human Dimensions of Organizational Development [MPSC Officers Training] [Batch-A]
31	Dr. Vikram Joshi	OCTAPACE Framework and other OD Interventions [MPSC Officers Training] [Batch-A]
32	Dr. Rajiv Khaire	Developing Proactive Behaviours among Employees [MPSC Officers Training] [Batch-C]
33	Dr. Shravan Chandak	Organizational Behaviour – Concepts and Processes [MPSC Officers Training] [Batch-B]
34	Dr. Kimsy Gulhane	Classification of Groups - Group Formation – Norms – Cohesiveness - Group Decision Making - Team Building - Types of Teams [MPSC Officers Training] [Batch-C]
35	Dr. Amir Khan	Communication & networking using Social Media: Within and outside of the workplace

Department of Management Technology has organized a Management Development Program for the Staff of Power Grid Corporation of India Ltd, Nagpur on 24th August 2022 and 25th September 2022. Following Faculty Members have taken lectures on respective topics given below:

Sr. No.	Name of the Faculty	Name of the Event
1	Dr. Amir Khan	Emotional Quotient for achieving organizational success and overall well-being
2	Dr. Rajesh Vaidya	Yoga for a better Life
3	Prof. Rijuta Joshi	Verbal Communication
4	Dr. Rajiv Khaire	Communication during Negotiation & Conflict-I
5	Dr. Rajiv Khaire	Communication during Negotiation & Conflict-II
6	Dr. Abhijeet Agashe	Interpersonal Relationships-I
7	Dr. Abhijeet Agashe	Interpersonal Relationships-II
8	Prof Kanchan Tolani	Business Etiquettes
9	Prof. Rijuta Joshi	Non-Verbal Communication
10	Dr. Shravan Chandak	Dealing with Workplace incivility and PSRB
11	Dr. Shravan Chandak	Behaviour Style Analysis

Publications:

1. Dr. Kanchan Naidu has published a paper titled 'Factors affecting the adaption of Block chain in Indian Stock Markets: An empirical Study' in International Journal of Economics with ISSN: 1681-8991, Volume 21, Special Issue 3. July 2022. (ABDC Indexed "C" Category).
2. Dr. Rajiv Khaire has published a paper titled 'Employee Engagement in Pharmaceutical Industry during Pandemic' in Research Journal "Personnel Today" of National Institute of Personnel Management with ISSN (Print): 0970 - 8405, Volume 2, July 2022. (Others Indexed).
3. Dr. Vikram Joshi has published a paper titled 'Widening Vistas of Healthcare Tourism in India - An Analytical Study' in Neuro Quantology with e-ISSN 1303-5150, Volume 20, Issue 9. September 2022. (Scopus Indexed).
4. Vandana Gandhi, Dr. Prashant Chhajer and Dr. Vishal Mehta has published paper titled "Performance Evaluation of Equity Portfolio Construction Models" in JIMS8M The Journal of Indian Management & Strategy, ISSN: 0973-9335, Volume-27 Issue-3, July-September 2022. (WoS). DOI No. 10.5958/0973-9343.2022.00016.3.

DEPARTMENTAL ACTIVITIES

Consultancy or any other projects undertaken

1. DMT have successfully conducted Training for MPSC Probationary Officers at VANAMATI, Nagpur during August – September, 2022. Dr. Vikram Joshi was the Coordinator for the Training Consultancy.
2. Dr. Shravan Chandak, Dr. Rupesh Pais, Dr. Abhijeet Agashe, Dr. Rajiv Khaire ,prof. Rijuta Joshi and prof. Kanchan Tolani have successfully conducted MDP at Power grid Corporation with consultancy worth of Rs.48,600
3. Dr. Chandan Vichoray, Dr.Anant Deogaonkar, Dr. Abhijeet Agashe and Dr. Kimsy Gulhane have successfully completed consultancy work at Indorama Synthetics ltd, Butibori worth of Rs. 1,94,400.

TEMPLE REPORT

Date	Event	Activity
02/07/2022	Bhajan Sandhya	Bhajan Sandhya By Ramdeobaba Bhakt Kirtan Mandal
05/07/2022	Sunderkand	Sunderkand By Radhakrishna Mahila Bhakt Mandal
09/07/2022	Dashmi	
12/07/2022	Sunderkand	Sunderkand By Ramdeobaba Bhakt Kirtan Mandal
16/07/2022	Bhajan Sandhya	Bhajan Sandhya By Ramdeobaba Bhakt Kirtan Mandal
19/07/2022	Sunderkand	Sunderkand By Radhakrishna Mahila Bhakt Mandal
23/07/2022	Bhajan Sandhya	Bhajan Sandhya By Ramdeobaba Bhakt Kirtan Mandal
26/07/2022	Sunderkand	Sunderkand By Radhakrishna Mahila Bhakt Mandal
30/07/2022	Duj	Bhajan Sandhya By Ramdeobaba Bhakt Kirtan Mandal, Flower Decoration By Local Artist Mahaarti Dirtribution Of Prasadi
02/08/2022	Sunderkand	Sunderkand By Ramdeobaba Bhakt Kirtan Mandal
06/08/2022	Bhajan Sandhya	Bhajan Sandhya By Ramdeobaba Bhakt Kirtan Mandal
09/08/2022	Sunderkand	Sunderkand By Ramdeobaba Bhakt Kirtan Mandal
13/08/2022	Bhajan Sandhya	Bhajan Sandhya By Ramdeobaba Bhakt Kirtan Mandal
16/08/2022	Sunderkand	Sunderkand By Ramdeobaba Bhakt Kirtan Mandal
19/08/2022	Shri Krishna Janamashtmi	Flower Decoration By Local Artist Bhajan By Mewar Mitra Mandal
20/08/2022	Bhajan Sandhya	Bhajan Sandhya By Ramdeobaba Bhakt Kiratan Mandal
23/08/2022	Sunderkand	Sunderkand By Ramdeobaba Bhakt Kirtan Mandal
29/08/2022	Duj/Bhadwamela	Bhajan Sandhya By Ramdeobaba Bhakt Kiratan Mandal Flower Decoration By Artist From Vrindavan, Distribution Of Prasad, Dhwaja Yatra From Various Parts Of City To Temple
30/08/2022	Baba Ki Badhai	Bhajan Sandhya By Harshada Agrawal, Dipali Agrawal, Suraj Sharma, Chalisa Pathan Distribution Of Prasad
31/08/2022	Ganesh Chaturthi	Ganesh Ji Sthapna By College Hostel Students Eco Friendly Idol Made Up Of Alum (Fitkari), Aao Milkar Pade Mahima Parchadhari Ki
01/09/2022	Bhajan	Bhajan By Sur Sangam Mandal, Chalisa Pathan, Flower Decoration By Artist From Vrindavan Distribution Of Prasadi
02/09/2022	Bhajan	Bhajan By Sanjay Rathi Mitra Mandal, Chalisa Pathan, Flower Decoration By Artist From Vrindavan Distribution Of Prasadi
03/09/2022	Dadi Ke Bhajan	Bhajan By Rani Sati Prachar Samiti, Chalisa Pathan, Flower Decoration By Artist From Vrindavan Distribution Of Prasadi
04/09/2022	Jamma Jagran	Jamma Jagran By Anurag Ji Bhutada From Hyderabad, Chalisa Pathan, Flower Decaration By Artist From Vrindavan Distribution Of Prasadi
05/09/2022	Bhajan	Bhajan By Ramdeobaba Kirtan Sangam Mandal, Chalisa Pathan, Flower Decoration By Artist From Vrindavan Distribution Of Prasadi
13/09/2022	Sunderkand	Sunderkand By Ramdeobaba Bhakt Kirtan Mandal
17/09/2022	Bhajan Sandhya	Bhajan Sandhya By Ramdeobaba Bhakt Kirtan Mandal
20/09/2022	Sunderkand	Sunderkand By Ramdeobaba Bhakt Kirtan Mandal
24/09/2022	Bhajan Sandhya	Bhajan Sandhya By Ramdeobaba Bhakt Kirtan Mandal
27/09/2022	Duj	Bhajan Sandhya By Ramdeobaba Bhakt Kirtan Mandal Flower Decoration By Local Artist, Maharti, Distribution Of Prasadi

SRC Activity



38th Foundation Day of RCOEM celebrated on 10th Sept, 2022



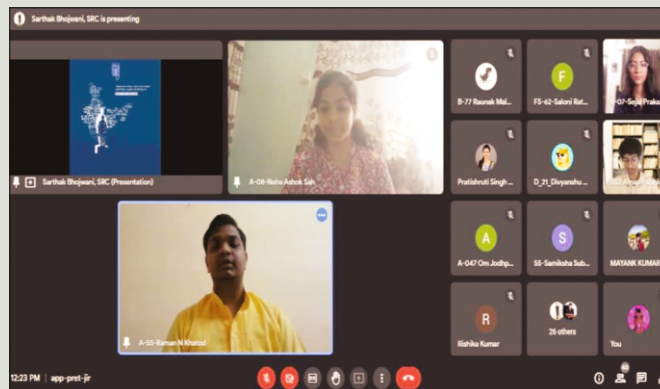
*Instrumental Program with SPIC-MACAY
12th September 2022*



*'Technorion' workshop was conducted by Technical Club
in association with TechFest, IIT Bombay*



GARBA-A colorful night at RCOEM!



*National Unity Day celebrated on 31st October to mark the birth anniversary
of the Iron Man of India, Sardar Vallabhbhai Patel*

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

Newsletter Designing and Printing
New Shriniketan Printing Press, Nagpur

E-Newsletter
www.rknec.edu