

NEWSLETTER

Peflection

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LETTER FROM THE EDITOR

The first quarter of the calendar started with enthusiasm by Annual College fest, Pratishruti'24. This quarter gives training programs, new research projects, consultancies placement activities.

Departments has conducted Parent Meet, Alumni Meet, Webinars, Carrier guidance activities guest lectures etc. The faculty members participated in conferences, STTP's, FDP's and also had their research work published in international journals of repute.

Annual sports day (Udghosh 6.0) is organised by Physical education Department. Teaching and nonteaching members participated with great zeal and enthusiasm in RCOEM Annual sports day celebration.

National Youth Day is celebrated on the occasion of birth anniversary of Swami Vivekananda.

Overall, this quarter saw the college delivering and gearing up for the future.

It is well said by Swami Vivekananda, "True education is the harmonious development of the physical, the mental, and the spiritual powers. It prepares the student for the joyous and glorious responsibilities of life."

Happy Reading !!!

Reflection

Career Development & Placement Cell

Welcome to the Career Development and Placement Cell (CDPC) of RBU. The CDPC is dedicated to equipping students with the skills and opportunities necessary for successful career placements. Our institution consistently achieves outstanding placement records in Maharashtra and Central India, surpassing previous accomplishments each year.

Our robust industry-academic interface has established new benchmarks in campus placements, attracting premier companies to recruit emerging talent from our campus.

Under the leadership of Dr. Parag Jawarkar, our dedicated team, including Prof. Manisha Singh, TPO, and Prof. Garima Vyas, TPO, diligently prepares young graduate engineers for demanding corporate roles. Their expertise ensures the smooth execution of our placement initiatives, further enhancing our students' readiness for successful industry careers. Our CDPC team, supported by Faculty Coordinators Dr. Gaurav Goyal and Dr. Ashish Chandak takes pride in cultivating a dynamic and supportive environment that nurtures our students' professional growth and career aspirations. We offer comprehensive placement training programs, industry collaborations, and invaluable networking opportunities to facilitate successful placements.

'Building Bridges to Professional Success'

Training Initiatives

The Career Development & Placement Cell (CDPC) organizes seminars to inform students about placement activities, campus hiring requirements, and preparation strategies for campus selections.

To keep students updated on industry requirements, the CDPC conducts various programs in collaboration with industry associates, including workshops and seminars on current technical trends.

CDPC offers programs designed to enhance students' general aptitude, communication skills, and interview techniques, focusing on their overall readiness for campus placements. Additionally, targeted programs for aptitude development and company-specific aptitude test preparation are coordinated with CDPC Faculty Coordinators at the departmental level.

Employability Initiatives for Students

CRT Training - All students receive comprehensive training through the CRT program.

Competitive Coding - Students are introduced to various programming platforms, including Hackerrank, Codeguru, Codechef, and InterviewBit, to prepare for their target companies.

Advanced Competitive Coding - Students undergo advanced training and profile enhancement, achieving recognition as 5 Star Coders on platforms such as Hackerrank, Codeguru, Codechef, and InterviewBit. This training aims to prepare them for opportunities with top-tier companies.

Industry Events - Students are encouraged to participate in various hackathons and company-sponsored competitions to gain practical experience and exposure.

Industry-Specific Mock Test Series - A company-specific mock test series comprising 50 tests is organized for final and pre-final year students.

AI-Based Interview Training - Students receive training using AI-based interview platforms, aligning with current industry trends to enhance their interview skills.

Reflection

Early Development Focus - There is a dedicated emphasis on developing communication skills, language proficiency, and personality.

Industry-Offered Courses

- Salesforce
- AWSAcademy
- Mobile Computing
- Business Intelligence (BI)
- Internet of Things (IoT)
- Internet & Cyber Security

EduSkills Courses

- Palo Alto
- Celonis
- Juniper
- Microchip
- Blue Prism
- Alteryx SPARKED

AWSAcademy

Amazon Web Services has partnered with RCOEM to offer training and certification programs for students. Through the AWS Cloud Practitioner Training program and Solution Architect certification, RCOEM students gain expertise in AWS cloud services.

CISCO NetaCad

CISCO's partnership with RCOEM offers students comprehensive networking education and industry certifications. This collaboration ensures that RCOEM graduates possess the essential skills and knowledge to excel in the networking industry and contribute to the digital future.

AICTE Eduskills

The AICTE EduSkills Foundation, in collaboration with RCOEM, plays a crucial role in shaping the future workforce. Through industry-aligned training programs, professional development workshops, internships, and entrepreneurship support, the foundation empowers students to become industry-ready and future-ready.

Salesforce TrailHead

The collaboration between Salesforce and RCOEM provides students with the Tail Head – Cohort Training program at no cost. This initiative aims to equip RCOEM students with valuable skills and knowledge in Salesforce technologies.

Reflection

Placement Details - 2024 Passing out Batch Till Date :- July-2024

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Total Offers	1105 Nos (Multiple Offers)
Student Engagement	85%
Unique Placement	79%
Higher Studies	6%
Highest Salaries	50LPA by Aramco (Saudi Arabia), 37 LPA by LG AD Solution, 23 LPA by D.E. Shaw, 22 LPA by Nutanix, 19 LPA by Porter, 16.3 LPA by DarwinBox, 15 LPA by Cisco, 14 LPA by Philips, 14 LPA by NVIDIA
International Job Offers	Taurani Holdings Limited, UAE & JTP Japan
International Internship Offer	Taiwan Cheng Kung University Taiwan
Mass Recruiters	149 offers in Accenture, 101 offers in IBM, 75 offers in TCS, 55 offers in Cloud4C
Highest Stipend	Two Lakh Rs. Per Month by ALPHONSO LABs
Companies Visited	98

Top 10 Salary offered by Companies - 2024 Batch			
Sr. No.	Name of Company	CTC in LPA	
1	Aramco (Saudi Arabia)	50	
2	LG Ads Solutions	37	
3	D.E. Shaw	23	
4	NUTANIX	22	
5	Porter	19	
6	Darwinbox	16.3	
7	Kickdrum	16	
8	CISCO	15	
9	NVIDIA	14	
10	Philips	14	

Shri ramdeobaba college of engineering and management, nagpur career development & placement cell session 2023-24 company wise no. Of offers with their packages

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	List of companies- 2024 batch			
Sr.no.	Company name	Offers	Package (lpa)	
1	Aramco (saudi arabia)	1	50	
2	Alphonso labs (lg adds solution)	1	37	
3	Jtp japan	0	24	
4	D.e shaw & co.	2	23	
5	Nutanix	5	22	
6	Porter	16	19, 14, 13	
7	Darwinbox	3	16.3	
8	Kickdrum	3	16	
9	Cisco	1	15	
10	Philips healthcare	3	14	
11	Nvidia	9	14	
12	Sahaj	3	13.5	
13	Pubmatic india	3	13.2	
14	Schneider electric	12	12	
15	Elitmus	1	12	
16	Amadeus	5	11.77	
17	Varroc	5	11.5	
18	Tiaa	3	10.48	
19	Hsbc technology india	3	9	
20	Tcs	75	9, 7, 3.36	
21	Quantiphi	7	8.5	
22	Taurani holdings llc (uae)	4	8.4	
23	Demandfarm	4	8	
24	Principal global	8	8	
25	Gocomet	2	8	
26	Zoho	1	8	
27	C&r jonas	13	8	
28	Salk ai pvt. Ltd	1	8	
29	Emami	5	7.5	
30	Delta x	0	7	
31	Innovapptive	18	7	
32	Zscaler	1	7	
33	Tata electronics	1	7	
34	Raja software	(in process)	7	

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35	Accenture	140	6.5 & 4.5
30	Adani group	(in process)	6.5
37		1	6.23
38	Hitachi energy	6	6
39	Zomato	1	6
40	L&t	1	6
41	Alphawave semiconducor	(in process)	6
42	Ceat	4	6
43	Softlink	6	6
44	Hexaware	9	6
45	Yoptima	2	6
46	Arcelor mittal nippon steel india	6	6
47	Solar group	19	6 & 5.5
48	Cloud4c	55	6 & 5.5
49	Talent worx	(in process)	6
50	Acmegrade	74	6
51	Vconstruct	8	5.75
52	Amazon	2	5.5
53	Mahindra and mahindra	5	5.5
54		16	5.5
55		(in process)	5.5
56		13	3.25
57	Grappus	1	5.5
58	Travclan	1	5.4
59	Fendahl	11	5.25
60	Blue star	1	5
61	Visa steel	0	5
62	Tata consulting engineers	1	5
63	Tasl	2	5
64	Persistent system ltd	17	5
65	Afcons	2	5
66	Tsecond generation technology	1	5
67	Acuitas 360	1	5
68	My captain	26	5
69		1	4.8
70		101	4
71	Tata technologies	4	4.5
72		2	4.5
	1	1	1

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73	Zepto	2	4.5
74	Genpact	2	4.5
75	Cyient	2	4.5
76	Simple crm	13	4.5
77	Metlok industries	10	4.5
78	Endress hauser	1	4.5
79	Shapoorji pallonji	11	4.25
80	Bristlecone	7	4.25
81	Ltts	13	4
82	Ltimindtree	1	4
83	Capgemini	14	4
84	Calderys	4	4
85	Wipro	(in process)	4
86	Ascendion	1	4
87	Corizo	11	4
88	Bilt graphic paper products ltd.	2	3.75
89	Endurance technologies ltd.	1	3.75
90	Sanvijay rolling & engineering ltd	8	3.6
91	Lobo staffing mumbai	4	3.6
92	Technoventor innovations pvt ltd	3	3.6
93	Harrier information systems	5	3.5
94	Horiba	7	3.5
95	Climate connect digital	2	3.2
96	Production modeling india	1	3
97	Hotelkey india pvt ltd	5	3
98	Micropro software solutions limited!	7	3

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

[A] Training Programs :

1] A four-month internship on "Solid Modeling, 3D Printing, Reverse Engineering, Analysis using ADAMS, and VMC Operations" was conducted from 16th January to 15th May 2024, for students of Government Polytechnic, Nagpur, from 11:00 a.m. to 3:30 p.m. at RCOEM-TATA-CIIIT. The training program was coordinated by Dr. Y. M. Sonkhaskar and Mr. Shrikant Wankhede, Technical Assistant of RCOEM-TATA-CIIIT. At the end, the certificates were distributed at the hands of Dr. Rajesh Pande, Principal RCOEM.



2] A one-month internship on "3D Printing, 3D Scanning, and Reverse Engineering" was conducted from 27th March to 15th May 2024, for students of Shri Ramdeobaba College of Engineering and Management, Nagpur (RCOEM) from 11.00 a.m. to 4.30 p.m. at RCOEM-TATA-CIIIT. The internship program was coordinated by the faculties Dr. V. V. Shukla and Dr. Y.M. Sonkhaskar (3D Printing Tech., 3D Scanning, and Reverse Engineering) and with technical assistance by Mr. Shrikant Wankhede.



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3] A **three-day training program** on **"Laser Cutting and Engraving Machines"** was conducted from **May 16–18, 2024**, for students and non-teaching staff of **Shri Ramdeobaba College Engineering and Management, Nagpur,** from 10.30 a.m. to 5.30 p.m. at RCOEM-TATA-CIIIT, organized by the Mechanical Engineering department and coordinated by Dr. A. D. Urade and Prof. N. P. Gudadhe. Training was given by an expert Mr. Tushar from Techno Ventor.



4] A **one-month internship** program on **"Internet of Things (IoT)"** will start on **June 3, 2024,** for students of **Government Polytechnic, Gondia,** at RCOEM-TATA-CIIIT. The program is being coordinated by Dr. Chithraja Rajan and Dr. Bhumika Neole, Assistant. Professors from the departments. of CSE (AIML) and ECE, respectively.



[B] Consultancy & Project :

- Mr. Aditya Pawar (Electronics Engineering Dept.) and his team printed 3D parts for the project titled "Robotics Jaw Rotating" 3D software design model on April 4, 2024.
- Ms. Harshita Goydani (AIML Engineering Dept.) and Yash Bansod printed 3D parts for the project titled "ph Monitoring System" on April 4, 2024.



Robotics Jaw Rotating

Ph Monitoring System Trinocular Microscope Portable Urine Analyzer

- Ms. Khushi Wankhede (Biomedical Engineering Dept.) printed 3D parts for the project titled "Development of a Portable Urine Analyzer for Point of Care Testing" on April 10, 2024.
- Mr. Apekshit Sonule (M. Tech student of Mech. Engg. Dept.) printed 3D parts for ASG Project on June 10, 2024.
- Asst. Prof. Manoj Sarve (EC Dept.) printed 3D parts (Mic Box & Box Plate) for the project titled "Multimodel Microphone Array System" on June 26, 2024.
- Dr. Bhumika Neole (EC Dept.) printed 3D parts (AQI Box) for the students project on June 2, 2024.
- Mr. Shabbir -- (Mech. Engg. Dept.) printed 3D parts for the project titled "Pipe surveillance robot" on June 12, 2024.
- Mrs. Rashmi Kulkarni (Zero System [Navitas Lighting]) printed 3D parts (Top and Bottom Attachment, Top and Bottom Object) on June 26, 2024.
- Mr. Aditya Deole printed 3D parts (top and bottom gear box, IC, motor, disc, and screw) for his project on June 14, 2024.

[C] Guest Lecture & lab Utilization :

• Dr. Y. M. Sonkhaskar conducted a hands on session for second-year students of Mechanical Engineering on "Adams Machinery Software".



• Prof. N. P. Gudadhe conducted a practical lab session on "Mechanical Engineering Software Lab" for Students of Second-year Mechanical Engineering students.



• Mr. Chirag Singhal & Vani Kaushik (2nd Year, BME) had used Laser cutting and Engraving machine to design micro-PAD for the project entitled "AI-ML assisted PoCT System to detect Various Biomarkers/Neurotransmitters" for Biomedical Students. The application came under the guidance of Prof. Manish Bhaiyya on 1st June 2024 & 6th June 2024.



- Mr. Aryan Kothari (1st Year, ECE) had used Laser cutting and Engraving machine for the project entitled "Design and Development of POC Device" under the guidance of Prof. Manish Bhaiyya.
- Ms. Shraddha Bhakare & Mr. Kshitij Thote carried out the research internship on Manufacturing Executive System under the guidance of Dr. Y. M. Sonkhaskar & Dr. P. B. Shiwalkar.
- Simran Siddhigui has used Laser Cutting & Engraving Machine for the project of "Development of a portable urine analyser" under the guidance of Dr. Jayu Kalambe.
- Rajveer Singh, Sumit R. & Nikhil B. had used Laser Cutting & Engraving machine for the project of Solar Cleaner under the guidance of Deshmukh.
- Vani Kaushik used Laser Cutting & Engraving machine for the project under the guidance of Prof. Manish Bhaiyya.

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



Dr. Indu Mazumdar from NADP, Nagpur



Prof. TVK Gupta, Mech. Engg. Dept. VNIT Nagpur

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Student and Faculty from Budhwanti Education and Research Foundation, Nagpur



Student and Faculty from YCCE, Nagpur



Tulsiramji Gaikwad Patil College of Engg. Nagpur



Shri Vikas Rastogi, Principal Secretary, Higher and Technical Education Department, Govt. of Maharashtra



Shri Bhagwandasji Daga, member of Executive Committee, RCOEM



JD College of Engg. & Mng. Nagpur



Students from Govt. ITI, Umred



Dr. S S Limaye, Former Principal RCOEM, Nagpur

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Department of Civil Engineering

Faculty Corner Publications Journal Publications :

- Prof. H. P. Khungar, B. Kondraivendhan, Nilesh Parmar published paper entitled "Influence of Alccofine on interfacial transition zone of recycled aggregates in concrete" in Multiscale and Multidisciplinary Modeling, Experiments and Design (Scopus).
- Prof. V. R.Harne, Rajesh Kumar Tripathi, Sunny Deol Guzzarlapudi published paper entitled "Evaluating the influence of volumetric properties on back-calculated asphalt layer moduli using falling weight deflectometer data" in International Journal of Transportation Science and Technology (ESCI, SCOPUS).
- Tripti Gupta, Khushi Ramawat, Ratnam Sharma and Naina Sharma published paper entitled "Air Quality Index Assessment of an Educational Organization" in IOP Conf. Series: Earth and Environmental Science (Scopus).

Conference Publication :

- Dr. P. P. Dahale, Prof. S. S. Geete, Dr. P. D. Hiwase published a paper entitled "Experimental Investigation to Study Strength Properties of Lime-Flyash Stabilzed Soil" in International Conference on Civil, Environmental and Construction Technology: Ecological Resilient & Sustainable Development Goals Integration-Research Agenda on 17-18 May 2024.
- Dr. R. N. Khapre, Ms. K. D. Meshram published paper entitled "Comparative Analysis of Bursting Forces in Unbonded Post-Tensioned Concrete Beams: Finite Element Analysis vs. IS 1343:2012" in International Conference on Civil, Environmental and Construction Technology: Ecological Resilient & Sustainable Development Goals Integration-Research Agenda on 17-18 May 2024.
- Ms. L. R. Gangwani, Nikita Palod, Shilpa Dongre, Rajesh Gupta published paper entitled "Improvement of computational efficiency of Rao-II for water distribution network design by infusing search space reduction and self-adaptive penalty" in 2024 World Environmental and Water Resources Congress on 19-22 May 2024.
- Ms. L. R. Gangwani, Shilpa Dongre, Rajesh Gupta published a paper entitled "Indicators to Check Global Optimality of Design Solution of Looped Water Distribution Networks" in 2024 8th International Conference on Civil Engineering on 22-24 March 2024.
- Ms. J. B. Chouhan, Prof. A. M. Gharad published a paper entitled "An Investigative Review of Fluid-Structure-Soil Interaction Analysis of Elevated Water Tank" in 6th Euro-Mediterranean Conference for Environmental Integration on 15-18 May 2024.

Book Chapter :

• Dr. P. P. Dahale and Prof. S. S. Geete has published a book chapter entitled "Parametric Studies on Cemented Stone Column Using Demolition Waste Materials" in Lecture Notes in Civil Engineering, Springer, Volume 479.

Patents Granted :

SN	Title of Patent	Name of Author(s)	Application No.	Date of Grant
1	Design Patent on "File	Dr. Rajendra N.	402856-001	08-07-2024
	Organizer"	Khapre,		
		Dr. P. D. Hiwase		
2	Design Patent on "Wall	Dr. P. P. Dahale	414547-001	04-07-2024
	Mounted Bracket Storage	Dr. R. N. Khapre		
	For Ranging Rods Stacking"	Dr. P. D. Hiwase		

Copyright Granted (NIL)

SN	Name of Authors	Title of copyright	Registration No. & Date
1	Dr. P. P. Dahale	Design of Rigid Pavement	L-147230/2024
	Dr. A.K. Sharma	Using IRC Approach	
	Aditi Dekate		29.04.2024
	Rajlaxmi Shende		
	Harikrushna Patel		

STTP/FDP/other Training Attended by Faculty

- Dr. P. D. Hiwase attended the Workshop on "Effective Scientific Paper Writing" on 01-04-2024.
- Prof. H. P. Khungar attended the NPTEL course on "Air Pollution and Control" from Jan-April 2024.
- Dr. P. D. Hiwase attended the NPTEL course on "NBA Accreditation and Teaching-Learning in Engineering (NATE)" from Jan-April 2024.
- Dr. P. P. Dahale attended STTP on "Basic Principles of Pile Foundations" from 20-24 May 2024.
- Dr. P. P. Dahale attended the NPTEL course on "Expansive Soil" from Jan March 2024.
- Dr. V. J. Rajurkar attended STTP on "Value Addition in Aggregates Sourced from Industry Rejects for Sustainable Constructions" from 24-28 June 2024.
- Dr. A. A. Mehta attended STTP on "Basic Principles of Pile Foundations" from 20-24 may 2024.
- Dr. P.D. Hiwase attended STTP on "Civil Engineering Practices for Better Environment" from 24-29 June 2024.
- Dr. T. B. Gupta attended the NPTEL course on "Air Pollution and Control" from Jan-April 2024.

Departmental Activities

Central Civil Testing and Services Facility RCOEM of the Civil Engineering Department is accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL) for two years. Assessment was held on 1st and 2nd June 2024.

Parents Meet, Alumni Meet and Departmental Installations or Events

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Guest Lectures by Experts

- A lecture on "Gradually Varied Flow in Open Channels," by Dr. Nikita Palod, Assistant Professor, Civil Dept. VNIT, Nagpur was organized for 4th semester B. Tech Students on 6th April 2024
- A lecture on "Introduction of Time History Analysis and Response Spectra" by Dr. Anurag Sharma, Assistant Professor, Civil Engineering Department, OPJU, Raigarh was organized for 2nd semester M. Tech. Structural Engineering on 10th April 2024.
- A lecture on "Concrete durability, non-destructive testing (NDT)" by Mr. Prashant Prajapati, Founder & CEO of Vedantrik Technologies, Mumbai, was organized for 2nd and 4th semester B. Tech. students on 5th April, 2024

Students' Corner Student Achievements

- Ms. K. D. Meshram, a PG student presented a paper entitled "Comparative Analysis of Bursting Forces in Unbonded Post-Tensioned Concrete Beams: Finite Element Analysis vs. IS 1343:2012" in International Conference on Civil, Environmental and Construction Technology: Ecological Resilient & Sustainable Development Goals Integration-Research Agenda on 17-18 May 2024.
- Ms. J. B. Chouhan, PhD student presented a paper entitled "An Investigative Review of Fluid-Structure-Soil Interaction Analysis of Elevated Water Tank" in 6th Euro-Mediterranean Conference for Environmental Integration on 15-18 May 2024.

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Department of Electronics and Communication Engineering

Faculty Corner

Guest Lectures taken by faculty

• Dr. Ankita Harkare delivered a lecture on "Role of Automation in Energy Saving" on 11th May 2024 at Technodeal Enerpower Pvt. Ltd, Nagpur.

Publications

- Dr. S. B. Pokle Granted a patent on, "A Sewage Inspection System for Mishaps Prevention" on 27-5-2024, filed on 14-1-2023, Patent No. 539481, Application No. 202321002939.
- Dr. S. B. Pokle received the Best Paper Award for presenting the paper titled, "Smart Water Dispenser for Animals: Automated Filling, Monitoring, Water Quality Assessment" at the International Conference on Technical Innovations & Applications in Industry 4.0: Challenges and Way Ahead (ICTIA-2024), Organized at S.V. P.C.E & T, Nagpur on 24-25 April 2024. Proceedings by CRC Press. (SCOPUS)
- Dr. Mridula Korde presented a paper titled "Smart Shopping Cart" at IEEE 2024 4th International Conference for Intelligent Technologies (CONIT) held on 21-23 June 2024 at Hubballi, Karnataka.
- Dr. D.J. Dahigaonkar has published a paper titled "Modelling Nonlinear Physical Systems in a Real-Time Operating System Environment for Control and Cyber Threat Mitigation" in Journal of Electrical Systems, Vol. 20 No. 3s (2024), ISSN: 1112-5209 (WoS).
- Dr. D.J. Dahigaonkar has published a paper titled "New control scheme for a dynamic voltage restorer based on selective harmonic injection technique with repetitive controller" in Bulletin of Electrical Engineering and Informatics, Vol. 13, No. 3, June 2024, pp. 2109~2121, ISSN: 2302-9285. (Scopus).
- A Utility Patent is granted to Nishant M. Borkar, Ashutosh Pandey, Nishand Janefalkar, Unnati Bagadiya, ECE department, RCOEM Nagpur on "SENSOR BASED AUTOMATIC FAULT DETECTION SYSTEM" on 18 July 2024.
- Puja S. Agrawal and Dr. A. A. Khurshid have presented a paper titled "Methods for Creating and Evaluating Robust Watermarking on Compressed Encrypted Images", at the International Conference on Communication, Computer Sciences, and Engineering (IC3SE 2024) at Amity University, Greater Noida, 9-11 May 2024, and has been published by IEEE Society IEEE Explore Digital Library.
- Puja S. Agrawal, Parag S. Jawarkar, Ketan M. Dhakate, Krishna Parthani, and Abhishek Agnihotri have published a paper titled "Advancements and Challenges in Drone Technology: A Comprehensive Review" at 4th International Conference on pervasive Computing and Social networking (ICPCSN 2024) 3-4 May 2024, R P Sarthy Institute of technology, Salem India, proceedings to be published by IEEE Xplore Digital Library.
- A Design Patent is granted to Dr. Ankita Harkare on the topic "DIELECTRIC RESONATOR ANTENNA (390113-001)"
- A Design Patent is granted to Dr. Ankita Harkare on the topic "DIELECTRIC RESONATOR ANTENNA (397829-001)".
- A Utility Patent is granted to Dr. Ankita Harkare on the topic "DEVICE FOR FUEL ADULTERATION DETECTION (534193)".

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STTP/FDP/other Training Attended by Faculty

- Dr. S. B. Pokle completed IETE approved one week FDP on "21st Century: Recent trends, Challenges and future road map for transitions in technical generations" Organized by YCCE Nagpur from 25th-30th April 2024.
- Puja S. Agrawal attended an STTP on "Effective Scientific Paper Writing" from 1-3 April 2024 organized by the Biomedical Engineering Department, RCOEM, Nagpur.
- Nishant M. Borkar attended a Webinar on "Recent Advances on Low Phase Noise mmWave Oscillators" by Dr. Prof. Andrea Bevilacqua organized by IEEE-IISc VLSI Chapter on July 11, 2024.

Student Achievements



Ms. Surbhi Joldeo (RCOEM ECE 2022-23) selected in Air Force



Ms. Siddhi Dubey, a 2021-22 pass-out student of the Electronics and Communication Engineering (ECE) branch, is selected as an Executive Pilot in the Indian Navy (A second batch of Pilot women in the Indian Navy).

Siddhi is one of the youngest Pilot Officers in the Indian Navy to achieve this feat and is a third generation of "fauji" from her family to join the Defence Services.

Other Activities

- Dr. Mridula Korde worked as a reviewer in the International Journal of Innovative Research in Engineering.
- Dr. Mridula Korde worked as Session Chair in IEEE 2024 4th International Conference for Intelligent Technologies (CONIT) held on 21-23 June 2024 at Hubballi, Karnataka.

Reflection

Department of Electronics Engineering

Faculty Corner Guest Lectures taken by faculty

- Dr. Bhalchandra Hardas delivered a expert talk on Indian Knowledge System (IKS) on 14 May 2024 for Faculty members of Dharampeth Shikshan Sanstha and Vidya Bharati Nagpur.
- Dr. Bhalchandra Hardas delivered a expert talk at Youth Conclave Anubhuti 2024 during 24th May-3 Jun 2024 at KKSU Nagpur

Publications

- Lokesh Heda, Sammed P. Kalamkar, Niharika Lodha published a paper titled Crowd Anomaly Detection and Performance Evaluation using YOLO Algorithms in the proceedings of 9th International Conference for Convergence in Technology (I2CT), Pune, India Scopus Indexed during 5-7 Apr 2024 Electronic ISBN:979-8-3503-9447-4 Print ISBN:979-8-3503-9445-0
- Shubham Anjankar, Dr. Suresh Balpande published a paper titled Monte Carlo Simulation Analysis for Irradiation Damage by Cobalt Ion in Cadmium Selinde Group II-VI Semiconductor in the proceedings of 9th International Conference for Convergence in Technology (I2CT), Pune, India Scopus Indexed during 5-7 Apr 2024 Electronic ISBN:979-8-3503-9447-4 Print ISBN:979-8-3503-9445-0
- Shubham Anjankar, Dr. Suresh Balpande published a paper titled Monto-Carlo investigation of photonic devices degradation from Cobalt-induced irradiation using MoS2 for high-speed sensing and communication in the proceedings of 9th International Conference for Convergence in Technology (I2CT), Pune, India Scopus Indexed during 5-7 Apr 2024 Electronic ISBN:979-8-3503-9447-4 Print ISBN:979-8-3503-9445-0
- Shubham Anjankar, Dr. Dinesh Rotake published a paper titled Conventional CMOS technology based RadFET dosimeter for Ionizing Radiation Detection for High Energy Applications in the proceedings of 9th International Conference for Convergence in Technology (I2CT), Pune, India Scopus Indexed during 5-7 Apr 2024 Electronic ISBN:979-8-3503-9447-4 Print ISBN:979-8-3503-9445-0
- Archana Tiwari, Akash Kirtane, Yashwant Lalwani, Jai Sood, Ayaan Pasha, Mohammad Hisham published a paper titled Supply Chain Visualization and Optimization using Machine Learning in the proceedings of 9th International Conference for Convergence in Technology (I2CT), Pune, India Scopus Indexed during 5-7 Apr 2024 Electronic ISBN:979-8-3503-9447-4 Print ISBN:979-8-3503-9445-0
- Vishal Rathee, Arshi Maheshwari published a paper titled Development of a UV-C based Air Filteration System in the 10th International Conference on Communication and Signal Processing during 12-13 Apr 2024 Scopus Indexed at Melmaruvathur, Tamil Nadu.
- Vikas Gupta, Vaibhav Pendke, Esha Gawate, Sejal Wasule, Gauri Khadatkar, Minal Keote published a paper titled ECG VisionSense: A Cloud-Deployed, Flask-Based Intelligent Cardiovascular Disease Diagnosis System in International Conference on Advancement in Computation & Computer Technologies during 2-3 May 2024.

Reflection

STTP/FDP/other Training Attended by Faculty

- Prof. Poorvi Joshi have attended 1 weeks online IETE Approved 2nd International Faculty Development Program on 21st Century: Recent trends, Challenges and Future roadmap for transitions in technological generations during 25th -30th Apr 2024 organized by YCCE Nagpur.
- Prof. Smita Daware have attended 1 weeks online IETE Approved 2nd International Faculty Development Program on 21st Century: Recent trends, Challenges and Future roadmap for transitions in technological generations during 25th -30th Apr 2024 organized by YCCE Nagpur.
- Prof. Vikas Gupta have attendee 3D Vision Summer School at IIIT Bangalore during 26th May-1st Jun 2024.
- Prof. Poorvi Joshi have attended Summer School in Semiconductor Technology under at CeNSE Indian Nanoelectronics Users Program I2i Centre for Nano Science and Engineering Indian Institute of Science, Bengaluru during 3rd-14th Jun 2024 in online mode.
- Prof. Pravin Dwaramwar have attended 1 week online STTP on "Hands-On AI Tools: Elevate Your Creative Research Writing (The Complete Research Writing organized by RSP Science Hub Tamilnadu and Radhakrishna Institute of Engineering & Technology, Bhuwaneshwar, Odissa during 17th -21st Jun 2024.

Departmental Activities

Conference, STTP and Guest Lectures organized in Department

Session by Dr. Vikram Dalal, Distinguished Prof., Iowa State University, USA. A session was conducted by Prof. Vikram Dalal, Distinguished Prof., Iowa State University, USA. Prof. Vikram Dalal is currently the Anson Marston Distinguished Professor at Iowa State University, Ames, USA. Dalal has an impactful and distinguished career in the field of microelectronics and photonics in ECpE at Iowa State. The session was organized for the faculty members and Ph.D. scholars. In the session, Prof. Dalal offered brief information about the area of research in photo voltaic cells. He also enlightened the point that before doing research always be clear with the idea of what and why the work is been done as it helps the researcher to work much better in that field. The interaction was very helpful in the direction of research for all the faculty members.



Reflection



Students' Corner Placement statistics of 2023-24 Pass out

Company/Sector	Number of students placed
IT and allied sector	98
Higher Studies	10

Any other activity (s) :

Hackathon (Signal processing) Conducted at RBU

The IEEE Student Branch and IEEE Signal Processing Society Student Chapter organized an intensive Hackathon focused on signal processing on April 3rd 2024 at Shri Ramdeobaba College of Engineering and Management, Nagpur. This event brought together students with a keen interest in signal processing to tackle challenging problems in a competitive yet collaborative environment.

The hackathon aimed to :

- Provide hands-on experience with signal processing techniques.
- Foster innovation and creativity in the application of signal processing.
- Enhance collaborative skills among participants.
- Identify and nurture talent in the field of signal processing.





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Reflection

The event saw enthusiastic participation from undergraduate students across various engineering disciplines. A total of 15 teams, each comprising 4 members, registered for the hackathon. Participants were provided with a range of problem statements related to real-time signal processing applications. Problem statements were designed to reflect real-world challenges, enhancing the practical learning experience. During Hackathon the teams were offered refreshments and participation certificates were provided to every participant. The winners were awarded with the cash prizes. The guest for the event was Ms. Isha Mujumdar and We had the panel of evaluators which were highly proficient in this domain.

The projects were evaluated based on :

- Innovation and Creativity : Novelty of the approach and originality of the solution.
- Technical Complexity : Depth of signal processing techniques used.
- Implementation : Functionality and effectiveness of the solution.
- Presentation : Clarity and comprehensiveness of the project demonstration.



Participants appreciated the well-organized structure of the event and the relevance of the problem statements. They highlighted the opportunity to apply theoretical knowledge to practical challenges as a significant benefit.

The signal processing hackathon conducted at RCOEM on 3rd April was a resounding success. It provided a valuable platform for students to showcase their skills, learn from peers and mentors, and engage in meaningful problem-solving activities. The event not only highlighted the talent within the student community but also reinforced the importance of practical, hands-on experience in engineering education.



Reflection

Department of Electrical Engineering

Faculty Corner STTP/FDP/other Training Attended by Faculty

- Prof. (Ms.) M. B. Gaikwad has successfully completed 08 weeks NPTEL FDP on "EV Vehicle Dynamics and Electric Motor Drives" organized by IIT Delhi during January to March 2024.
- Dr. (Ms.) V. A. Huchche has successfully completed 08 weeks NPTEL FDP on "EV Vehicle Dynamics and Electric Motor Drives" organized by IIT Delhi during January to March 2024.
- Dr. (Ms.) P. V. Kapoor has successfully completed 08 weeks NPTEL FDP on "Introduction to Programming in C" organized by IIT Kanpur during January to March 2024.
- Dr. (Ms.) G. N. Goyal has successfully completed 08 weeks NPTEL FDP on "Programming in Java" organized by IIT Kharagpur during January to April 2024.
- Dr. (Mrs.) P. A. Salodkar has participated in "Integrating Skill in Curriculum" 30th January to 03rd February 2024 at PASHU Solapur in collaboration in Punyshlok Ahilyadevi Holkar, Solapur University, Solapur

Faculty Recognition

Dr. Sanjay Bodkhe, was invited to be the Session Chair in the "International Conference on Green Hydrogen and Clean Energy" organized by the Institution of Engineers (I), Nagpur Local Chapter on 10th and 11th February 2024. Er. S. F. Lanjewar Electrical Consultant, GoI was the Convener of the conference.



Dr. S. B. Bodkhe being welcomed by Er. Lanjewar

Patent Grant

- A patent has been granted for an invention titled "Solid State devices based Secondary Current Injection techniques for Testing of Earth Leakage Relay" filed by RCOEM and Dr. U. B. Mujumdar. Dr.U.B.Mujumdar, Mr. Rajneesh Shendre and Mr. Mohnish Mahale (2019 pass out batch students) are the Inventors of the patent work.
- A patent has been granted for an invention titled "Reducing charging/ Discharging Time for Supercapacitor Bank by Controlled Series/ Parallel Connections" filed by Dr. S. B. Bodkhe.
- A patent has been granted for an invention titled "False Trip Prevention of Transformer Due to Inrush Current" filed by Dr. V. T. Barhate (Retired).

Reflection

Departmental Activities Parent-Teacher Meet (Even Semester, Session 2023-24)

The Parent-teacher meet was organized on 09th March 2024 (Saturday) at 11.00 am in Electrical Department Library. Dr. V. A Huchche, PTM Coordinator welcomed all parents and shared the details about student attendance in the class and their performance in the ClassTest-1 with parents. Total six parents attended the meet. During the meeting, Prof. M. B. Gaikwad class teachers of IV semester and Dr. P. V. Kapoor, class teachers of VI semester discussed about the attendance and performance of the students with the parents. Course coordinators and faculty members were present in the meet.

Head of the Department, Dr. U. B. Mujumdar and Professor, Dr. S. B. Bodkhe, discussed about progress of students and addressed the queries of parents.



Glimpse of Parent-Teacher Meet

Alumni Meet

The Department has organized a series of online interactive sessions by the alumni "Meet your Illustrious alumni" whereby they discuss their experiences in the industry and their post-college roadmap. As a first mentor, 1998 batch alumnus, Mr. Amit Rahalkar, Senior Technical Program Manager, Amazon Payment Products, Cary, North Carolina, USA graced his presence on 15th February 2024. In his session, Mr. Amit discussed a wide range of topics, including perspectives on partnerships. He also discussed the approach, college students should adopt while making career decisions. Given his background in finance, he also conveyed knowledge on banking, investing, and money management.



Glimpse of Alumni Meet

Deflection

Extension Activity

The students of Electrical Engineering department organized a joint extension activity at Zilla Parishad School, Village: Fetri, Nagpur on 23rd March 2024 under the aegis of IEEE St. Jt. Chapter (PELS) and Electrical Engineering Students' Association (EESA). The office bearers of IEEE Jt. Chapter introduced to the primary and secondary school students, the importance of electrical safety and conservation and simple measures that can be implemented by them and their families. Related videos and animations were also shown to the children.

The office bearers of EESA informed them a few techniques of self-defence and distinction between good touch and bad touch by others. Finally, goodies were distributed to all children. This event was coordinated by Dr. Vijaya Huchche and Dr. Gaurav Goyal. The headmistress of the school Mrs. Anita Dhoke and her staff welcomed the visiting team and extended full cooperation. Dr.Sanjay Bodkhe and I/C HoD Dr. U. B. Mujumdar congratulated the organizers and encouraged them to take up more extension activities for the benefit of the society.





Glimpse of Extension Activity 1

Glimpse of Extension Activity 2

Electrical Premier League (EPL)- 2024

The Electrical Premier League (EPL) 3.0, a thrilling box cricket league tournament organized by the Electrical Engineering Student Association (EESA), electrified on the 29th and 30th of March. This eagerly anticipated event brought together eight dynamic teams comprising more than 70-80 enthusiastic students from the electrical department, showcasing their talent.

The excitement began with the much-anticipated auction, held on the 23rd of March, where team owners strategically bid for players to assemble their dream teams. The auction witnessed spirited bidding wars and strategic manoeuvres as team owners vied to secure the best talent for their respective teams, setting the stage for an intensely competitive tournament.

Over the course of two action-packed days, there were cheers and applause as teams battled it out in thrilling matches characterized by fierce competition and sporting spirit. Each team exhibited exemplary teamwork, skill, and determination.

After a series of exhilarating matches, two teams emerged as finalists: the Power Hitters and the Resistive Renegades. The electrifying final match kept spectators on the edge of their seats as both teams displayed exceptional cricketing prowess and strategic brilliance. In a closely contested showdown, the Resistive Renegades emerged victorious, clinching the title of EPL 3.0 champions in a nail-biting finish.

Reflection

The success of EPL 3.0 would not have been possible without the dedication and hard work of the organizing committee, volunteers, and participants who contributed to making the event a resounding success. Their passion and commitment to promoting camaraderie and sportsmanship within the electrical department exemplify the spirit of EESA and reflect the vibrant community that it represents.

In conclusion, EPL 3.0 stands as a testament to the spirit of sportsmanship, teamwork, and camaraderie fostered by EESA within the electrical department. The tournament not only provided an avenue for students to showcase their athletic abilities but also promoted a sense of unity and belonging within the community. As EESA reflects on the success of EPL 3.0, it remains committed to organizing inclusive and engaging events that enrich the student experience and strengthen the bonds of friendship and sportsmanship.



Finalist Teams with Dr. U. B. Mujumdar, Dr. S. B. Bodkhe and Dr. G. N. Goyal



Leflection

Industry Visit

The Department had organized an Industry Visit to Haldiram International Pvt Ltd on 9th February 2024 for the Sixth Semester students. The Industrial visit focused on three main sections of plant i.e. Plant automation section, Solar PV Power Plant and High Voltage auxiliary units. In the first part of visit, students visited the production lines for yellow lentils, whereby the complete food production process from raw lentils to the final product was exhibited. In second half, students visited the 1345 KW of PV plant and 33 kV Substation.



Students proceeding for Industry Visit

Conference, STTP and Guest Lectures organized in Department

Department has organised Guest lectures for the IV and VI semester students

Торіс	Speaker	Date
Preparing for Placement	Mr. Parag Dandekar, consultant,	25th January 2024
in Core Electrical	Electrical and Automation Systems,	
Engineering	Ex.Vice President (Electrical) Kallyni	
	Steels, Pune.	
Vedic Mathematics	Mr. Avinash Naidu,	05 th February 2024
Meet your illustrious	Mr. Amit Rahalkar	15 th February 2024
alumni Aptitude (CAT)		
Power System Security	Er. Avinash Sadhu	23 rd March. 2024
	Ex. T and D Specialist, Neccon Power	
	and Infra Ltd. Guwahati, Assam.	
Aptitude Development	Mr. Shubham Rathod, Faculty for	23 rd March. 2024
	LRDI at CL Nagpur	

Deflection

Students' Corner Toppers List

B. Tech (Electrical Engineering) III Semester, Session 2023-24

SN	Name of the student	SGPA	CGPA
1	Ritika Mishra	9.87	9.39
2	Tanushree Yogesh Waratkar	9.35	8.82
3	Ishika Prakash Choudhary	9.0	8.69
4	Kammya Bhupesh Paradhi	8.83	8.66
5	Ayush Sanjay Hood	8.43	8.4

B. Tech (Electrical Engineering) V Semester, Session 2023-24

SN	Name of the student	SGPA	CGPA
1	Veena Jawrani	9.36	9.5
2	Gaurav Yogendra Thakur	9.0	9.4
3	Praful Nandkishor Mishra	9.16	9.37
4	Gaurav Triveni Shukla	9.04	9.34
5	Pawan Jagdish Wath	9.2	9.34

Reflection

Department of Information Technology

Faculty Corner Faculty PhD Awarded

• Prof. Chetana Thaokar was awarded with PhD in Computer Science and Engineering from Kalinga Institute of Industrial Technology (KIIT), Deemed to be University, Bhubaneswar. Her thesis title was "Verity Check in News and Media Text using Deep Learning".

Guest Lectures taken by faculty

- Dr. Purshottam J. Assudani delivered a "Caltech PGP DevOps program (Program Preview), Cloud Computing Masterclass" on 3rd April 2024 for Caltech (California University), USA.
- Dr. Purshottam J. Assudani delivered a lecture on "Caltech PGP Cloud Computing (Career Masterclass)" on 2nd May 2024 for Caltech (California University), USA.
- Dr. Purshottam J. Assudani delivered a lecture on "AWS Architect Master's program (Program Preview)" on 24th April 2024 for Simplilearn.
- Dr. Purshottam J. Assudani delivered a lecture on "Cloud Architect Master's (Project Demo + Program Preview" on 30th May 2024 for Simplilearn.
- Dr. Purshottam J. Assudani delivered a lecture on "AWS Architect Master's (Project Demo + Program Preview)" on 27th June 2024 for Simplilearn.

Publications

- Dr. Chetana Thaokar presented a paper titled "Knowledge Graphs on medical domain using Mondo ontology" in the 15th International IEEE Conference on Computing, IIT Mandi, Himachal Pradesh, India from June 24 28, 2024.
- Dr. Rakesh K Kadu has published a paper titled "From Theory to Practice: Implementing Intelligent Systems in Engineering Applications", International Journal of Intelligent Systems and Applications in Engineering, 2024, ISSN:2147-67992, Page No. 4168–4175 (Scopus).
- Dr. Rakesh K Kadu has published a paper titled "Digital Transformation of Classroom; Impact of AI AndIoT in the Educational Sector, Educational Administration: Theory and Practice2024, 30(5), ISSN: 2148-2403, Page 13461-13469(Scopus).
- Dr. Rakesh K Kadu has published a paper titled "Securing The Future: Defending The IoT Ecosystem With Sparse Fuzzy Networks", Journal: Journal of Environmental Protection and Ecology 25(4) (2024)Pages: 1188–1199 (Scopus).
- Dr. Rakesh K Kadu has published a paper titled "Transforming Education: The Role of AI and IoT in Digitizing Classrooms and Promoting Social Responsibility", Journal of Informatics Education and ResearchISSN: 1526-4726Vol 4 Issue 3(2024), Page 400-408 (UGC Care, ABCD).
- Dr. Rakesh K. Kadu and Dr. Purshottam J. Assudani presented a paper titled "Student Placement Prediction and Skill Recommendation System using Machine Learning Algorithms" in the 7th International Conference on Inventative Computation Technologies, organized by Tribhuvan University, Nepal, held from April 24-26, 2024.

Deflection

- Prof. Shweta Bondre has published a paper titled "Application of M-RCNN for prompt segmentation between infected tomato leaves and healthy tomato leaves" in Journal of Phytopathology with DOI: https://doi.org/10.1111/jph.13363, Volume 172, Issue 4 (SCI/SCOPUS).
- Dr. Rohini Joshi presented a paper titled "Segmentation of Teeth in Panoramic X-ray Image using U-Net Algorithm" in the 3rd IEEE International Conference on Artificial Intelligence for Internet of Things (AIIoT 2024), organized by VIT, Vellore, India held from June 24 - 28, 2024.
- Prof. Jaya Nanwani and Prof. Shweta Bondre presented a paper titled "Predicting Knee Osteoarthritis Progression from Radiographic images: A Deep Learning Approach for Early Detection and Intervention" in the 15th International IEEE Conference On Computing, Communication And Networking Technologies (ICCCNT), organized by IIT Mandi, Himachal Pradesh, India, held from June 24 28, 2024.

STTP/FDP/other Training Attended by Faculty

- Dr. Chetana Thaokar has attended a Faculty Development Program on Java Full Stack from 24th June 12th July 2024, organized by Wipro Talentnext.
- Prof. Jaya Nanwani has attended a Faculty Development Program on Deep Learning and IOT Driven Smart Applications from 24th 29th June 2024 organized by MLR Institute of Technology, Hyderabad.
- Prof. Pallavi Meshram has attended a Faculty Development Program on Advanced Research Methodology and Publishing from 09th – 15th May 2024 organized by Hi Learn Edutech Institute, Vijapur, Karanataka.

Departmental Activities

Consultancy or any other projects undertaken

• Dr. Purshottam J. Assudani has delivered a corporate training at Stratacent, Pune from 15-17 May 2024 and 12-21 June 2024 on "IT Supprt, AWS and Ms Azure" for the employees of Stratacent, Pune. The Consultancy amount generated for the same is around Rs. 2.95 Lacs.

Any other activity(s)

Patents Granted :

- Dr. Rakesh K Kadu has received a patent grant on the title "IoT based Smart Pain Relief System" on 14th July 2024.
- Dr. Purshottam J. Assudani, Dr. D. S. Adane and Dr. P. D. Adane have received a patent grant on the title "A System For Operating A Street Light" on 18th June 2024.

Beyond Academics :

- 87% of 2023-24 Batch eligible IT students got placed through campus drive.
- Top IT companies like Porter, Nutanix, Cisco, IBM, Accenture, Persistent, C&R Software, Cloud4C, IBM VConstructselected 60 students from the Department.
- 51 students completed Full Time Internship in VIII semester till date.
- The placement details of department for the session 2023-24 are as follows :

Sr. No.	Company Name	No. of Offers
1	Nutanix 1	
2	Porter 1	
3	CISCO 1	
4	C & R Software 2	
5	Fendahl 1	
6	Innovapptive 2	
7	vConstruct 1	
8	Persistent 1	
9	IBM 14	
10	Accenture 19	
11	Quantiphi 1	
12	Cloud4c 7	
13	Deloitte 1	
14	Siemens	2
15	Genpact 1	
16	Capgemini 1	
17	TCS 2	
18	TCS 1	
19	Solar 1	
20	Tech Mahindra 3	
21	Acuitas 360 1	
22	Micropro 3	
23	Corizo 2	
24	Atroverse Technologies	1
25	Cognizant	1
26	Skillmine Technologies	1

Reflection .



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Reflection

Department of Mechanical Engineering

Faculty Corner Publications

- Priya Khandekar and Pranjali S Deole have published a book chapter titled "Fusion of human arm synergy and artificial neural network for programming of a robot by demonstration" in Recent Advances in Material, Manufacturing, and Machine Learning, Proceedings of 2nd International Conference (RAMML-23).
- Dr. Mangesh P. Joshi authored a paper titled "Enhancing User Experience on Journal Websites: A Novel Entropy-based Weighing Method with MARCOS and COCOSO Ranking Approaches," published in the Journal of Scientific & Industrial Research (JSIR) in June 2024. The article, indexed in SCIE with an impact factor of 0.7.

Patent Granted

- A patent on "MULTIFUNCTIONAL CRUTCH" is granted to Prof. Mangesh Joshi, .Aditya Gosewade , Divya Rathi, Mayank Sarda, Sampanna Umredkar, Shreya Das on 13/06/2024.
- A patent on "ADJUSTABLE BURNER STAND" is granted to Prof. Mangesh Joshi, on 07/06/2024.
- A patent on "Artistry Frame" is granted to Prof. Mangesh Joshi, on 03/05/2024.
- A patent on "A Hybrid Electromagnetic Braking System for A Vehicle" is granted to Dr. Vishal V. Shukla, on 14/05/2024.
- A patent on "Photovoltaic Module with Cooling Arrangement" is granted to Dr. Sandeep Joshi & Dr. A. D. Urade, on 09/04/2024.
- A patent on "Expeditious Twin-Clutch Automatic Transmission System In Automotives Yielding Minimum Traction Loss And Jerk" is granted to Dr. Vishal V. Shukla, on 06/04/2024.
- A patent on "Rear View Mirror" is granted to Dr. Sandeep Joshi, on 02/04/2024.
- A patent on "Biodegradable Convex Profile Bead Spacer for Tubeless Tyre" is granted to Dr. A. D. Urade & Dr. Vishal V. Shukla, on 02/04/2024.

STTP/FDP/other Training Attended by Faculty

- Dr. Shantanu Kulkarni completed a FDP on "Principles of Management" as a part of 12 Week NPTEL Course from January to April 2024
- Dr. Shantanu Kulkarni completed a One Week STTP on "Research Methodology: Tools and Techniques" conducted from 27th May 24 to 31st May 24 in the online mode by SVNIT, Surat
- Dr. Yeshwant M. Sonkhaskar has successfully completed a 12 week NPTEL online certificate course on "NBA Accreditation and Teaching-Learning in Engineering (NATE)" with a consolidated score of 90%.
- Dr. Vishal V. Shukla has completed a FDP on "The Role of Artificial Intelligence in Engineering Applications" from 27th May to 01st June 2024.

- Reflection
- Dr. Ashish D. Urade attended a one week faculty Development Program on 'Sustainable Product Design and Manufacturing' Conducted during 22 to 27 July, 2024 organised by School of Mechanical Engineering at Faculty Development Centre (FDC)-SMVDU under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Shri Mata Vaishno Devi University, Katra, Jammu.
- Dr. Ashish D. Urade attended a one week faculty Development Program on 'Innovations in Robotics and UAVs: Digital Twins, Drone Design, and Future Trends' Conducted during 30th July to 03rd August 2024 organised by Mechanical Engineering Department at VNR Vignana Jyothi Institute of Engineering and Technoloty, Bachupalli, Hyderabad.
- Dr. Ashish D. Urade attended a one week faculty Development Program on 'Modern Trends in Manufacturing Process' Conducted during 05 to 10 August 2024 organised by Mechanical Engineering Department at Easwari Engineering College, Ramapuram Chennai.

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Department of Chemistry

Faculty Corner Publications

Dr. A.V.Bharati has published a paper titled Influence of Eu3+ ion concentration on La2Al0. 5Li0. 5O4 phosphor for LEDs and solar cell efficiency enhancement in Optik Journal with ISSN 0030-4026, Volume 300 (Scopus)

STTP/FDP/other Training Attended by Faculty

Dr. Suraj S. Butoliya has attended a FDP from January 2024 to April 2024 organized by NPTEL on Characterization of Polymers, Elastomers and composite.



Department of Humanities

Faculty Corner Guest Lectures taken by faculty

Dr. Vinod H. Asudani was invited to conduct a training program for visually challenged persons at Palwal organised by All India Confederation for the Blind, New Delhi on 23rd June 2024.

Publications and Patents

A Design Patent titled 'Artistry Frame' was granted to Prof. Jasleen Rihan by The Patent Office, Government of India in May, 2024

STTP/FDP/other Training Attended by Faculty

- 1. Ms. Pratishruti Singh Agarwal joined a course on 'Content Writing' offered by Udemy and completed the course in May 2024.
- 2. Ms. Pratishruti Singh Agarwal attended Faculty Development Programme on 30th May 2025 on 'Teaching Learning Process' organized by BITS-Pilani, Hyderabad Campus.

Any other activity(s):

- 1. Students' activity by the Dept of Humanities.
- 2. **REEF and Dept of Humanities celebrated World Environment Day.** REEF (the environment club of RBU) and Dept of Humanities celebrated World Environment Day by organising a poster competition for the students of RBU.

Reflection

rbu.reef ""REEF X Dept. of Humanities... World Environment Day on June 5th raises awareness and promotes action for environmental protection. Join our fun and creative poster-making competition! Turn environmental themes into eye-catching art, inspire action, and become a champion for our planet. Prizes for winners and certificates for all participants.

Theme:

- Land restoration
- **Desertification**
- Drought resistance
- Rules to abide by
- * Be respectful and avoid offensive content.
- Create your poster by hand or digitally
 Ensure your poster's content aligns with the
- designated topic. * Make your poster's information clear and easy to

make your poster's information clear and easy to understand at a glance.

 # Submit your poster in PDF format, ensuring all text and visuals are clear and readable.
 # Submit by the deadline of June 16th, 2024.

Follow REEF (@rbu.reef) on Instagram for updates. \$\Provestyle="color: blue;">PLet's use our creativity to imagine a brighter, more sustainable future together!

Registration link: https://forms.gle/DMBNC9PsjG4N7XZ6A

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REEF X DEPARTMENT OF HUMANITIES

POSTER MAKING COMPETITION DATE : 11 TO 16 JUNE

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Department of Physical Education

Faculty Corner

Ms. Vinisha Nitnaware, Assistant Professor in the Department of Physical Education, completed a six-week certificate course in sports coaching for shooting, organized by the Netaji Subhas National Institute of Sports under the Sports Authority of India during the May-June 2024 session and passed the examination with an A grade.



Departmental Activities/Students Corner :

On June 21, RBU celebrated International Yoga Day at EN Auditorium, RBU with an inspiring and well-attended session led by two distinguished yoga practitioners, Mr. Mayank Jain and Mrs. Devyani Dinkar Donge. This year's theme, Women Empowerment, was a fitting tribute to the strength, resilience, and inner beauty of women worldwide.

The Session was started by Mr. Mayank Jain, a proud alumnus of our college guided the yoga session with expertise and enthusiasm.



Reflection



During the whole session Mayank Jain and Devyani Dinkar Donge led the participants through a series of yoga asanas designed to enhance physical flexibility, mental clarity, and spiritual harmony.

The session was attended by students, teaching as well as the Non-teaching Faculty of RBU. For those unable to attend in person, the event was live-streamed on Instagram (@rbu_sports) and YouTube (RbuSports)



Reflection

School of Management Department of Management Technology

Faculty Corner Guest Lectures taken by faculty

Dr. Vikram K. Joshi delivered Training for MPSC Probationer Officers Training at VANAMATI, Nagpuron 12th June 2024 Publications.

Publication

Dr. Sunita Dhote has published a paper titled revolution agri-food systems: leveraging digitalinnovations for equitable sustainability and resilience in African Journal of Biological Sciences with ISSN 2663-2187. (Scopus).

Dr Sunita Dhote of department of management technology published a book on entrepreneurial skills in perspective with ISBN-978-93-5964-329-8



Reflection -

TEMPLE REPORT

DATE	EVENT	ACTIVITY
02-04-2024	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
06-04-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Ramdeobaba Bhakt Kirtan Mandal
07-04-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Radhakrishna Mahila Kirtan Mandal
09-04-2024	Bhajan Sandhya	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
10-04-2024	Duj	Bhajan Sandhya By Shri Radhakrishna Mahila Kirtan Mandal
13-04-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Radhakrishna Mahila Kirtan Mandal
14-04-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Radhakrishna Mahila Kirtan Mandal
16-04-2024	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
20-04-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Ramdeobaba Bhakt Kirtan Mandal
21-04-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Radhakrishna Mahila Kirtan Mandal
23-04-2024	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
27-04-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Radhakrishna Mahila Kirtan Mandal
28-04-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Ramdeobaba Bhakt Kirtan Mandal
30-04-2024	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
04-05-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Ramdeobaba Bhakt Kirtan Mandal
05-05-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Ramdeobaba Bhakt Kirtan Mandal
07-05-2024	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
09-05-2024	Duj	Bhajan Sandhya By Shri Ramdeobaba Bhakt Kirtan Mandal
10-05-2024	Byawalla	Bhajan By Ujjwalji Khakoliya
12-05-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Radhakrishna Mahila Kirtan Mandal
14-05-2024	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
18-05-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Radhakrishna Mahila Kirtan Mandal
19-05-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Ramdeobaba Bhakt Kirtan Mandal
21-05-2024	Sunderkand	Bhajan Sandhya By Shri Radhakrishna Mahila Kirtan Mandal
25-05-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Ramdeobaba Bhakt Kirtan Mandal
26-06-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Ramdeobaba Bhakt Kirtan Mandal
28-05-2024	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
01-06-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Ramdeobaba Bhakt Kirtan Mandal
02-06-2024		Bhajan Sandhya By Shri Radhakrishna Mahila Kirtan Mandal
07-06-2024	Duj	Bhajan Sandhya By Sanjay Rathi
08-06-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Radhakrishna Mahila Kirtan Mandal
09-06-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Ramdeobaba Bhakt Kirtan Mandal
11-06-2024	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
15-06-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Ramdeobaba Bhakt Kirtan Mandal
16-06-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Radhakrishna Mahila Kirtan Mandal
18-06-2024	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal
22-06-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Radhakrishna Mahila Kirtan Mandal
23-06-2024	Bhajan Sandhya	Bhajan Sandhya By Shri Radhakrishna Mahila Kirtan Mandal
25-06-2024	Sunderkand	Sunderkand By Shri Ramdeobaba Bhakt Kirtan Mandal





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