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EDITORS MESSAGE

The third quarter of the calendar witnesses the celebration of 74th Independence Day which was celebrated with enthusiasm with some management people and staff. The online event arrangement was made with live online event for the remaining staff and all students to avoid mass gathering in the pandemic situation. All the clubs gave their performances via online mode.

In pandemic situation, online classes were taken, assessments were done, TNP activities were undertaken, faculties were involved in research and development and TBI foundation and all departments conducted various online webinars and sessions.

Not only faculties and student were performing their duties from home but also pursued certification courses on platforms like Coursera, EDX and Swayam. The faculty members participated in Conferences, STTPs, FDPs and also had their research work published in international journals of repute.

The training and placement department, as dynamic as ever, organised Training Programs , interactions with Industry professionals and ensured that a good number of our students get placed for their internships assignments. The T&P dept also did a wonderful job in procuring job offers for our students.

Overall, this quarter saw the college delivering and gearing up for the future. The future has, in its folds, challenges galore for us and as Heraclitus once said:

“There is nothing permanent except change”.

So, let us be prepared to change and to change for the good.

Happy reading !!!

NSS Activities

RCOEM CELEBRATES 74th INDEPENDENCE DAY

RCOEM celebrates 74th Independence Day with utmost fervour, zest and a spirit of patriotism at RCOEM CAMPUS keeping all the safety and social distancing norms. The event was also held on online mode (YouTube live link www.youtube.com/watch?v=IUrxlwgLKTO) for faculties, staff and students.

The ceremony started at 9.40 am in front of the Admin Block in the midst of presence of all the guests, faculty members, and staff. The national flag, which is the symbol of our nation's pride, was hoisted by the Chief Guest Shri. Chandrakantbhai Thakar Vice-Chairman of SRSS and all in unison sang the National Anthem and expressed the joy of our freedom in the presence of respected committee member Shri Dinesh Agrawal and Principal Dr. Rajesh Pande along with the other faculties & staff of the college.

Various online acts were prepared by RCOEM NSS UNIT, SRC, Music Club, Dance Club And literary club which were showcased online after the address of the chief guest. Their performances gave tribute to corona warriors and also awakened everyone's feelings towards the motherland.

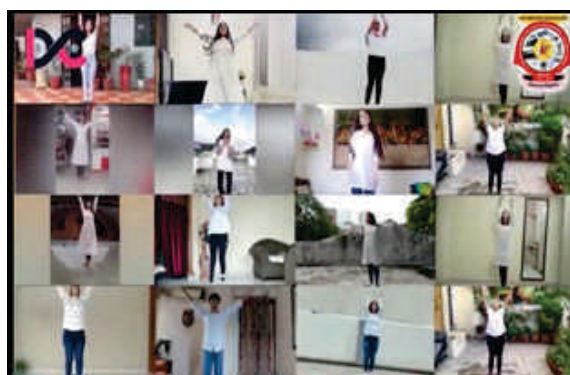
The program concluded with the vote of thanks by Dr. Amit Anurag, HOD Physical Education.



Online Performance By Music Club



Online Performance by Dance Club



Artwork Competition

An Artwork Competition was conducted on the occasion of 74th Independence Day, which encouraged our students to promote socialism through their elegant drawing art. Even in this Pandemic situation, when everyone is at home, the competition was held digitally for the students to indulge in artwork, a great way of expressing things. Tribute to Corona Warriors and Gandagi Mukta Meragaon, were the two themes which were followed for the competition. Prof. Lokesh Heda, Electronics engineering department was the judge for the competition. For the Artwork Competition a total of 21 entries were received out of which 3 best prizes were declared which is as follows:

College Highlights

IEEE Events July - September 2020

Webinar on Classification: A data driven approach

A webinar on “Classification: A data driven approach” was organized on 12th July, 2020 for a duration of one and a half hour on Google Meet. The guest speaker, Dr. Satish Kumar Singh, Associate Professor at IIIT Allahabad addressed 150 students and enlightened them with his vast experiences and knowledge. The webinar started by introducing the term 'Data Set' and explained the topic with various examples. He gave insight on how a data driven approach can be beneficial for classification and also discussed some of the major algorithms. The webinar was very informative and was concluded by a Question and Answer session. The webinar had a great impact on every participant in the meeting.



Enhance your spectrum - A Technical Discussion

After two successful editions of **Enhance your spectrum - A Technical Discussion**, IEEE RCOEM Student Branch conducted another discussion which covered two topics, named “**Everything You Need To Know About 5G**” and “**Electric Vehicles and It's Future Prospects In India**”. It was conducted on 13th July, 2020 for hour duration on YouTube. The discussion on 5G included interesting topics such as millimetre waves, massive MIMO, beam - forming, full duplex, job domains in 5G, etc. The interaction on Electric Vehicles touched view aspects such as why we



should use electric vehicles, fundamentals of electric vehicles, different types of electric vehicle, pros and cons, challenges, etc. The discussion was attended by 30 participants. The feedback received at the end of the discussion proved that this discussion helped everyone to know about the latest technical developments in the industry.

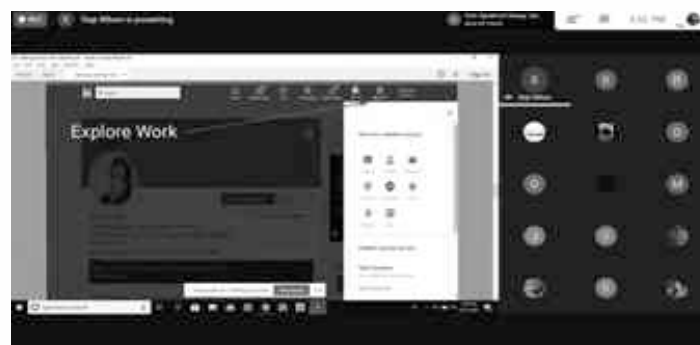
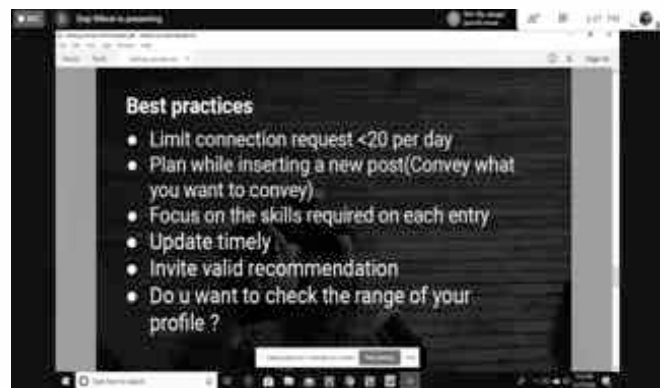


Induction session for newly added members

IEEE RCOEM Student Branch keeps inspiring students from all the branches of college to become a member of IEEE by conducting various competitions and sessions for them. A meeting of all the IEEE student members and Ex-RCOEM members of student branch was conducted online on Google Meet. The meet was concluded with discussion on how things work in IEEE student branch. This interactive session witnessed 35 participants on 18th September, 2020 and lasted for an hour.

Webinar on Getting Started With LinkedIn

IEEE RCOEM Student Branch conducted a webinar on “Getting Started with LinkedIn” on 27th September, 2020 via Google Meet. The duration for the webinar was one hour. The guest speaker, Staji Wilson, Assistant Trainee at TCS Bengaluru, gave insight to 90 students on how to use LinkedIn. The purpose behind conducting the webinar was to introduce the participants with the minute and basic details of LinkedIn. The speaker gave a brief introduction on how to build an impressive digital profile on LinkedIn which showcases one's achievements and professional standing in an effective and elaborative way. The speaker also explained the practices which need to be taken into consideration while building a LinkedIn profile.



Department of Civil Engineering

Faculty Corner

Awards received by Faculty of department:

Best paper award was received by Dr. P.D. Hiwase at OPJU, Digital International Conference 2020, Raigarh for presenting his paper entitled "Use of Tuned Mass Dampers in Skyscrapers".

Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal /Conference/Book	Date of Conference/Publication	ISSN/ ISBN	DOI, vol., Iss., pp	SCI/ Scopus/ ICI / Other (index)
1.	Dr. P.D. Hiwase	Mitigating Soil Instability Challenges: Gabion Walls	OPJU, Digital International Conference 2020, Raigarh	26-27 Sept 2020			-
2.	Dr. P.D. Hiwase	Use of Tuned Mass Dampers in Skyscrapers	OPJU, Digital International Conference 2020, Raigarh	26-27 Sept 2020			-
3.	Dr. Prashant D Hiwase, Ayush Kumar Tomar, Dr. Sharda Siddh, Prof. Udaysingh Patil	Seismic Analysis And Comparative Study Of ESR For Earthquake Zone V In India	International Journal of Advanced Science and Technology	July 2020		Vol. 29, No. 7, (2020), pp. 3674-3679	Scopus
4.	Dr. Sharda P. Siddh, Prakhar Pagaria, Dr. Prashant D. Hiwase, Prof. Udaysingh Patil	Comparative Study Of Old And New Indian Seismic And Wind Codes For Analysis Of Existing High Rise Structure	International Journal of Advanced Science and Technology	July 2020		Vol. 29, No. 7, (2020), pp. 12546 - 12551	Scopus
5.	Dr. Rajendra N. Khapre, Pranjali Maheshwari	Analysis and Comparison of RCC and PSC Bridge Girder for Various Spans with Different IRC Class Loading	Journal of Seybold Report	Sept 2020	ISSN NO: 1533-9211	Vol.15 issue 9 2020 page: 2011	Scopus

6.	Dr. Sharda P. Siddh, Eshwari Ghugal, Prof. H. P. Khungar	Influence of grades of concrete on performance of composite slab	Journal of Seybold Report	Sept 2020	ISSN NO: 1533-9211	Vol.15 issue 9 2020 Page: 4208	Scopus
7.	Kishori Sawarkar, Prof. Hariom Khungar, Dr. Sharda Siddh	Dynamic Analysis of high rise structure resting on pile raft foundation	Journal of Seybold Report	Sept 2020	ISSN NO: 1533-9211	Vol.15 issue 9 2020 Page: 2904	Scopus
8.	Rajkumar S. Laddha, Hariom Khungar	Study of stiffness and design of high rise structure with Replacement of entire columns by shear walls.	Journal of Seybold Report	Sept 2020	ISSN NO: 1533-9211	Vol.15 issue 9 2020 Page: 3390	Scopus

Department of Computer Science and Engineering

Faculty Corner

Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal /Conference/Book	Date of Conference / Publication	ISSN/ ISBN	DOI, vol., Iss., pp	SCI/ Scopus/ ICI / Other (index)
1.	P. R. Pardhi, P. M. Sonsare	Smart Refrigerator Monitoring using Internet of Things (IoT)	Journal of Seybold Report	Sept 2020	ISSN NO: 1533-9211	Volume 15 - Issue 9 - 2020	Scopus

STTP/FDP/other Training Attended by Faculty

S. No.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1.	Abhijeet R. Raipurkar	Webinar on "NAAC: Pathway to Quality Sustenance (Engineering Education)" in association with NAAC Bangalore	01 to 02-July 2020	RCOEM, Nagpur
2.	Dilipkumar A. Borikar			
3.	Rina Damdoo			
4.	Kanak Kalyani			
5.	Vasundhara Rathod	Online Workshop on Brain Computer Interface (BCI)	12-13 Sept 2020	National Institute of Technology, Karnataka, Surathkal
6.	Vasundhara Rathod	Webinar on "Virtual Labs: Effective Tool for Teaching and Learning"	10 th July 2020	MKSSS Cummins College of Engg. for Women, Nagpur
7.	Abhijeet R. Raipurkar			

Departmental Activities

Conference, STTP and Guest Lectures organized in Department

S No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1.	Guest Lecture for "Blockchain and Crypto currency Technology" for III sem	Mr. Raj A Kapoor (founder of India STEM Alliance)	1 hour	9/10/2020

Students' Corner

CSE, RCOEM Students Excel in SIH-2020

The Grand Finale of Smart India Hackathon (Online Edition) was organized virtually at different nodal centres across the nation during 01-05 August 2020. The results were declared on 04 August 2020.

A Team named "New_World_Order" from the Department of Computer Science of Engineering of Shri Ramdeobaba College of Engineering and Management, Nagpur emerged Winner of SIH 2020 at Nodal Centre - Graphic Era University, Dehradun for Problem Statement ID - MK91.

The team of Seventh Semester CSE students led by Atharva Udupure with Gaurav Sharma, Nikhil Sahu, Ashlesh Mahule, Jigyasu Prakash and Manasi Namjoshi as members attempted a solution named "ReMedize" to the problem -

"Primary health care in remote areas using Cloud medicine and Diagnostic" of Government of Uttarakhand bagging prize money of INR One Lakh. Dr. M. B. Chandak, Head, CSE Department and Prof. S. G. Mundada were mentors of the winning team. Prof. D. A. Borikar, CSE was College SPOC for SIH 2020.

In the path to achieving success at the Grand Finale during 01-03 August 2020, CSE Department has organized Internal Hackathon(s) during January-February 2020 to shortlist the best of the ideas and conceptualizations for prospective applications as solutions to real-life problems faced by society from among the future technocrats of RCOEM. In all 10 teams were nominated for the initial phase of SIH 2020.

04 Teams from the nominated teams were selected for the Grand Finale of Smart India Hackathon to be conducted at different nodal centres.

In its third successive year since 2018, Teams of Computer Science & Engineering Department of RCOEM Nagpur has been among the Winners at the Grand Finale Smart India Hackathon



Team New_World_Order, winners at the Grand Finale at GEU, Dehradun

Final Year Results - Toppers List

Sr.No.	Fourth Year	SGPA
1.	Anjali Vivek Bhargava	10
2.	Kashmira Kishor Deshpande	10
3.	Surbhi Mukesh Khatri	10
4.	Aditya Kamal Sharma	10
5.	Anmol Vilas Deshpande	10
6.	Keshav Rajesh Lakhotia	10
7.	Rakshit Bhagwat Kathawate	10
8.	Aashee Shrivastava	9.98
9.	Rida Mohammed Zuber	9.98
10.	Pooja Anilkumar Yadav	9.96

S No.	Name of Student	Event	Achievement	Date
1.	Rishabh Rathi	Code Mates x1 Codechef	All India Rank 85 college rank 1	31/8/2020
2.	Rohit Bhavesh Doshi			
3.	Atul Thakre			
4.	Rishabh Rathi	Eduthon IIIT Lucknow in association Devpolio and Github	11th Position (Special Mention)	4/9/2020 - 6/9/2020
5.	Tejas Sudhir Tapas			
6.	Shreyas Barve			
7.	Aditya Morankar			
8.	Aditya Tiwari	Smart India Hackathon 2020 Varanasi BHU nodal centre. MHRD (Govt. of India)	Among top 5 teams in India to be selected for SIH finale for Problem Statement AK16	1/8/2020- 3/8/2020
9.	Dhruv Rais			
10.	Shubham Vyas			
11.	Shubham Khandelwal			
12.	Gauri Walke			
13.	Bhumika Nagrecha			
14.	Raghav Biyani	Smart India Hackathon 2020 Hosted Virtually by Nodal centre - Chandigarh Engineering College MHRD (Govt. of India)	Among top 5 teams in India to be selected for SIH finale	1/8/2020- 3/8/2020
15.	Preha Rohatgi			
16.	Shreeya Ruia			
17.	Rishita			
18.	Saksham Madan			
19.	Pooja Agrawal			

20.	Tejas Sudhir Tapas	CodeStack by J.C Bose university of science and technology	Excellence Certificate for being selected in top 100 among 720 participant	4/9/2020
21.	Rishabh Rathi	Codevita by TCS	International Rank 1177 out of 17.65 Lakh participants	15/8/2020
22.	Atul Thakre	Codevita by TCS	International Rank 1993 out of 17.65 Lakh participants	15/8/2020

TnP Data (Placement and Internship)

Sr. No.	Name of Company	Total Students Placed	Package offered (in lakhs)
1.	Goldman Sachs	1	23
2.	Principal Global Investors LLC	15	6.5
3.	Birla Soft	28	3.6
4.	Techracer	7	5.9
5.	DXC	19	3.6
6.	Persistent	16	4
7.	Hexaware	4	3.5
8.	Infosys (System Engineer)	3	3.6
9.	Infosys (System Engineer -specialist)	12	5
10.	Infosys (Power Programmer)	4	8
11.	TCS Ninja	19	3.5
12.	TCS Digital	4	7.5
13.	Xoriant	7	4.5
14.	LTI (L1)	35	5
15.	LTI (L2)	13	6.5

6 Students from CSE department have been selected by Fivetrans for internship with a stipend of approximately Rs. 25000 /month.

Students in Higher Studies

S. No.	Year of Passing	Name of Student	Course Pursuing	Institution / University of Higher studies
1.	2020	Vishnukant Kankani	MBA	SIBM, Nagpur
2.	2020	Rishabh Shukla	PGDM	ISB&M, Pune
3.	2020	Sanil Andhare	Engineering Business Management	University of Warwick for Engineering Business Management
4.	2020	Kaiwalya Joshi	MBA	SIBM, Pune
5.	2018	Shubham Pyase	M.Tech	IIT Bombay
6.	2019	Aayush Yadav	M.Tech	BITS Pilani

Alumni related achievements

Aman Shrivastava of 2019 batch secured AIR-767 in GATE-2020

Department of Electrical Engineering

Faculty Corner

Faculty PhD Awarded

The research center of Electrical Engineering Department of Shri Ramdeobaba College of Engineering and Management, is happy to announce that one of the Research Scholar Mr. Gajanan Jaiswal is awarded Ph.D. by RTM Nagpur University. His research topic was, "Formulation of a Data Based Model for Remote Condition Monitoring System used in Distribution Transformer" under the guidance of Dr. Makrand Ballal professor at VNIT Nagpur & Dr. Dhananjay R. Tutakane, Retired Professor of EE, SRCOEM Nagpur.

Guest Lectures taken by faculty

Sr. No.	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
1.	Dr. Sanjay Bodkhe	Speed Sensor-less Control in Induction Motor Drive	6 th July 2020	ABES Engineering College, Ghaziabad in association with Institution of Engineers (India) Ghaziabad

Sr. No.	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
2.	Dr M. M. Renge	Voltage Source inverter and it's Control	13.08.2020	AICTE Sponsored STTP, "IoT and Advance Power Electronics Application in Smart Grid" organized by Department of Electrical Engineering K.K. Wagh Institute of Engineering Education and Research Nashik

Publications

Sr. No.	Name of the Authors	Title of the Paper	Name of the Journal/Conference/Book	Date of Conference / Publication	ISSN/ ISBN	DOI, vol., Iss., pp	SCI/ Scopus/ICI / Other (index)
1.	Dr. Sanjay Bodkhe and Ms. Archana Belge	Implementation and Investigation of Net Metering	IEEE Industry Applications Magazine	July/August 2020 issue		10.1109/MIAS.2020.2981100	SCIE
2.	Sonali C Rangari, Gunwanti S. Shende, Mohan M. Renge	CMOS-NAND Based Gate Driver Card of IGBT for Fault Diagnosis in VSI	International Journal of Innovative Technology and Exploring Engineering (IJITEE),	August 2020	ISSN: 2278-3075	DOI: 10.35940/ijitee.J7583.0891020, Volume-9 Issue-10,	SCOPUS

STTP/FDP/other Training Attended by Faculty

S No.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1.	Dr. Gaurav Goyal	FDP Android App Development	5 Days 10/08/2020 to 14/08/2020	IETE- Mumbai in association with Pantech E Learning
2.	Dr. Gaurav Goyal	FDP on Electric Vehicles	5 Days 24/08/2020 to 28/08/2020	AICTE Training And Learning (ATAL) Academy at PSG College of Technology
3.	Dr. P.V. Kapoor			
4.	Dr. P.V. Kapoor	Webinar on NAAC: Pathway To Quality Sustenance (Engineering Education)	01-07-2020 to 02-07-2020	Internal Quality Assurance Cell (IQAC), RCOEM, Nagpur in association with National Assessment and Accreditation Council (NAAC), Bangalore.

5.	Dr. P.V. Kapoor	Short Course on “Learn to Design your own Solar Home System”	27-07-2020	Energy Literacy Drive of the Energy Swaraj Foundation in association with SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT, NAGPUR
6.	Prof M. B. Gaikwad			
7.	Prof M. V. Palandurkar			
8.	Prof. V. A. Huchche			
9.	Dr. G. N. Goyal			
10.	Dr. P. A. Salodkar			
11.	Dr. S. C. Rangari			
12.	Prof S. V. Umredkar	Three day FDP, “Simulation of Electric Machine's using ANSYS Electromagnetic Software and its Applications in Electric Vehicle”	3rd-5th September 2020	Department of Electrical Engineering, Bharati Vidyapeeth (Deemed To Be University) College of Engineering, Pune in association with Entuple Technologies Pvt Ltd and IEEE PES- IAS chapter
13.	Dr. P. A. Salodkar	30 days webinar series on Matlab Master Class 2020	1 Sep to 30 Sep. 2020	IETE Mumbai and Pantech Prolabs India pvt ltd
14.	Dr. P. A. Salodkar	Faculty Development Programme “Python 3.4.3 and SCILAB”	2020-08-12 to 2020-08-19	Baba Institute of Technology & Sciences with course material provided by Spoken Tutorial Project, IIT, Mumbai
15.	Dr. S. C. Rangari	Five day FDP on “Smart Grids and Electric Vehicles”	25/08/2020 to 29/08/2020	AICTE Training and Learning (ATAL) Academy at NALLA MALLA REDDY Engineering College
16.	Prof M. B. Gaikwad	Completed 4 Weeks online edX course on “Electric Car: Technology.”	4 Weeks (Certificate issued on 4 th July 2020)	Offered by Delft University of Technology
17.	Prof M. B. Gaikwad	One day webinar on Introduction to Thermal Power Plant	23/07/2020	Department of Electrical Engineering, Wainganga College of Engineering and Management, Nagpur

STTP/FDP/other Training Attended by Faculty

18.	Prof M. B. Gaikwad	FDP on Emerging Trends in Electrical Engineering (ETEE-2020)	02/07/2020 to 04/07/2020	Department of Electrical Engineering and IQAC, KITS, Ramtek
19.	Prof M. B. Gaikwad	Webinar on “Electric Vehicle Design using MATLAB”	01/08/2020	RV College of Engineering, Bengaluru in association with PANTECH
20.	Prof M. B. Gaikwad	Faculty Development Programme “Python 3.4.3 and SCILAB”	2020-08-12 to 2020-08-19	Baba Institute of Technology & Sciences with course material provided by Spoken Tutorial Project, IIT, Mumbai
21.	Prof M. B. Gaikwad	30 days webinar series on Matlab Master Class 2020	1 Sep to 30 Sep. 2020	IETE Mumbai and Pantech Prolabs India pvt ltd
22.	M. B. Gaikwad	Training Program on Electric Vehicle Design	03/08/2020 to 08/08/2020	IETE Mumbai in association with Pantech E Learning
23.	M. B. Gaikwad	One week online International STTP on “Integrating Domain Knowledge for Managing Sustainable Energy IDKMSE-2020	07/09/2020 to 12/09/2020	Dept., of EE and CE, GHRCE in association with Institute of Engineers, Nagpur Local Centre, Indian water Works Association, IEEE HKN MU-PI Chapter, IEEE Bombay Section Joint Chapter of PELS-IES

Departmental Activities

Conference, STTP and Guest Lectures organized in Department

S No.	Conference/STTP/Guest Lecture organized	Speaker (with Affiliation)	Duration	Date
1.	Guest lecture on “Life in PSU”	Mr. Llyod	2 hours	12/08/2020

Students' Corner

Toppers List

SN	Second Year	Third Year	Final Year
1.	Shouvik Sambit Dey (10)	Kalyani Vasant Rao Lande (10)	Akhilesh Chandrakant Payaskar (9.86)
2.	Siddhi Anilsingh Chauhan (9.85)	Gayatri Ravindra Tagalpallewar (9.81)	Rohan Sunil Shrivastava (9.59)
3.	Ashwesh Bharat Alone (9.49)	Pushpendra Deepnarayan Malviya (9.49)	Vignesh Venkatraman Iyer (9.48)

Student Achievements

Placements:

Sr. No	Name & Roll No.	Placed in 1st Company	2nd Company
1.	Anukriti Rahangdale-04	Birla Soft	
2.	Anurag Tikhe-26	Birla Soft	
3.	Gaurav Selokar-33	Birla Soft	Varroc
4.	Anshul Barve-44	Birla Soft	
5.	Neha Nayak-52	Birla Soft	
6.	Vaishnavi Sardeshpande-59	Birla Soft	
7.	Parag Sonbirse-71	Birla Soft	
8.	Prateek Pandey-73	Birla Soft	
9.	Yogeshwar Choudhari-90	Birla Soft	
10.	Juhi Sharma-08	DXC Technologies	

S. No.	Date of event	Name of Event and Place	Name of Students	Semester	Details of Activity
1.	19 th -20 th September 2020	National Level E-Quiz on Verbal Ability-I	Aryan Gangapari	III	National Level E-Quiz on Verbal Ability-I Organized by Priyadarshini College of Engineering
2.		National Level E-Quiz on Verbal Ability-I	Riya Pandey	III	
3.	11 th to 15 th August 2020	<i>International e-Quiz on "INDEPENDENCE DAY 2020"</i>	Mihir Mohurle	III	Organized by ARTS COMMERCE COLLEGE, YEODA
4.	25 th July 2020	Webinar	Mihir Mohurle	III	Covid-19 Pandemic Management- Prevention, care and Cure Organized by RCOEM and Indian Society of Analytical Scientists (ISAS), Nagpur Chapter
5.	25 th July 2020	Webinar	Pratiksha Ganesh Barbate	III	

6.	29 th August 2020	Quiz Competition	Riya Pandey	III	Online Quiz Competition on “Artificial Intelligence in Health Care” organised by IETE, Nagpur Centre
7.	13 th to 15 th August 2020	National level E-Quiz competition	Riya Pandey	III	Conducted on the occasion of “World Organ Donation Day” organized by the Department of Zoology of MES College of Arts , Commerce and Science, Bengaluru

Online Courses Completed by the students

Sr. No.	Name of Students	Semester	Name of Course
1	Ansh Khandelwal	III	Initiating and Planning Projects from Coursera
			Electric Power Systems from Coursera
2	Anubhav Singh Parihar	III	Learn to Design your own Solar Home System from Energy Swaraj Foundation
			Getting started with Python from Coursera
			Crash Course on python from Coursera
			Python Data Structures from Coursera
3	Dhruve Sharma	III	Electric Power Systems from Coursera
4.	Mihir Naresh Mohurle	III	Introduction to Engineering Mechanics from Coursera
			Autodesk Certified Professional: AutoCAD for Design and Drafting Exam Prep from Coursera
			Wind Energy from Coursera
			Learn to Design your own Solar Home System from Energy Swaraj Foundation
5.	Omhari Shrivastava	III	Managerial Accounting / Cost Accounting from Udemy
6.	Pratiksha Ganesh Barbate	III	Introduction to Typography from Coursera
			Learn to Design your own Solar Home System from Energy Swaraj Foundation
7.	Rohan Raj Shrivastava	III	Complete 2020 Web Development Bootcamp from Udemy
			Machine Learning with Python from Cognitive Class.ai
			Python 101 for Data Science from Cognitive Class.ai
			Android Enterprise Associate learning path from Android

8.	Saloni Rajeshsingh Kachhwah	III	Introduction to Engineering Mechanics from Coursera
9.	Tanu Anurag Gupta	III	Natural Gas from Coursera
			Safety in the Utility Industry from Coursera
10.	Vihang Shriram Pathak	III	Natural Gas from Coursera
			Intelligent Machining from Coursera
11.	Riya Raghubarsharan Pandey	III	Electric Power Systems from Coursera
			Energy: The Enterprise from Coursera
			Introduction to Artificial Intelligence (AI) from Coursera
			Natural Gas from Coursera
			Advanced Writing from Coursera
			Intelligent Machining from Coursera
12.	Ritika Sanjay Katakwar	III	Introduction to Psychology from Coursera
			Understanding Financial Markets from Coursera
			Effective Problem-Solving and Decision-Making from Coursera
			Introductory Human Physiology from Coursera
			PSYC1030.3x: Introduction to Clinical Psychology from edX
13.	Harsh Banayat	V	Wireless Communications for Everybody from Coursera
			Initiating and Planning Projects from Coursera
14.	Ayushi Namdev	V	Introduction to Data Science in Python from Coursera
			Applied Social Network Analysis in Python from Coursera
15.	Jigisha Pramod Lonhare	V	Effective Problem-Solving and Decision-Making from Coursera
			Introduction to Psychology from Coursera
			Introductory Human Physiology from Coursera
			Understanding Financial Markets from Coursera
			PSYC1030.3x: Introduction to Clinical Psychology from edX
16.	Rani Shahu	V	Bc101x: Effective Business Communication from edX
			Electric Industry Operations and Markets from Coursera
17.	Piyush Ambekar	V	Excel Skills for Business: Essentials from Coursera

18.	Shantanu Dilip Chindhalore	V	Organizational Behaviour: How to Manage People
19.	MOHOMMAD UZEF SHEIKH	V	Machine Learning with Python
			Learn to Design your own Solar Home System from Energy Swaraj Foundation
			Python for Data Science and AI
			Java for Everyone-Zero to Hero
20.	Akash Patalbansi	V	Solar Energy Basics from Coursera
			Safety in the Utility Industry
21.	Anmol Anurag Gupta	VII	Programming for Everybody (Getting Started with Python) from Coursera
			Python Data Structures from Coursera
22.	Raghav Sandeep Agrawal	VII	Programming for Everybody (Getting Started with Python) from Coursera
23.	Krishna Satyanarayanji Asera	VII	Programming for Everybody (Getting Started with Python) from Coursera
			Python Data Structures from Coursera
24.	Himanshu Katkar	VII	VLSI Physical Design from Udemey
			The Fundamentals of Digital Marketing from Google Digital unlocked
25.	Darshan Shyamsundar Paliwal	VII	Programming for Everybody (Getting Started with Python) from Coursera
26.	Yogeshwar Krushna Choudhari	VII	Data Analysis with Python from Coursera
			Data Science Methodology from Coursera
			Tools for Data Science from Coursera
27.	Raunak Pathak	VII	Learn to Design your own Solar Home System from Energy Swaraj Foundation
			AWS Fundamentals: Addressing Security Risk from Coursera
			AWS Fundamentals: Going Cloud Native from Coursera
28.	Gauri Mujumdar	III	AI For Everyone from Coursera
			Safety in the Utility Industry from Coursera
			Python Data Structures from Coursera
			Electric Power Systems from Coursera
			Electric Industry Operations and Markets from Coursera

Online Training / Internship Completed by the Students

S. No.	Name of the student	Semester	Institute/ Organization/ Industry	Start Date	End Date
1.	Aanchal Gupta	IV	3 weeks with Double Slit Media Technologies Private Limited	08 th June 2020	03 rd July 2020
2.	Ritika Katakwar,	IV	six weeks online training on AutoCAD from Internshala Trainings		15 th September 2020
3.	Mohammad Uzef sheikh	IV	Lumevent Private Limited	June 2020	August 2020
4.	Jigisha Lonhare	V	Business Communication Skills from Internshala Trainings	15 th July	12 th August 2020
5.	Mannmohak Shivhare	VII	One Month Online Internship Program on POWER ELECTRONICS from RCSS Enerzies, Nashik	24 th August 2020	23 rd September 2020
6.	Ishan Gurao	V	Web Development from Internshala Trainings	27 th May 2020	8 th July 2020

Students in Higher Studies

Ms. Antara Wajpe 2020 Batch passout has taken admission at NIT Calicut for M.Sc. Mathematics.

Other Achievements

1. Department of Electrical Engineering has persuaded one Government undertaking called "Vasantrao Naik State Agricultural Extension management training Institute (VANAMATI), Nagpur " for Electrical Energy Audit. Their Electrical substation and all the components from supply end to load/ User end drawings were studied along with their Last one year billing pattern of MSEDCL's Electrical bills were also analysed and finally they were convinced to award the Electrical consultancy work for their campus to our Department. Amount of consultancy is Rs.75000.00 per year. Prof. N. M. Deshkar and Dr V. T. Barhate have Coordinated this matter. Prof. N. M. Deshkar shall be the chief Coordinator and Dr Gaurav Goyal with other staff team shall assist to save energy, since every KWH-Unit saved is Unit Generated.
2. Dr. T. G. Arora Created YouTube Channel on "High Voltage Lab Experiments" for demonstrating the practicals of High Voltage Engineering course as in this period of COVID-19 pandemic students are not able to attend the college physically. Videos of total 17 experiments are available. Link for joining the practical videos is: <https://youtube.com/channel/UCJdhgbBv7kCJ63wrJliHa0Q>.
3. Dr. P. A. Salodkar got the Copyright on "Some Studies on Single Phase Multilevel Inverter Topologies for PV Application", Copyright Number: L-93424/2020, Date of on copyright 06 August 2020.
4. Dr. P. A. Salodkar Created YouTube Channel on "Control System" for the better understanding of the students, where students can access all the video lectures. Link for joining video lectures: https://www.youtube.com/channel/UC0wwicHcnlk_I2XcJTWq2yw.
5. Dr. S. B. Bodkhe got the Copyright on "Speed Sensorless Control of Induction Motor Drive", Copyright Number: L-93414/2020, Date of on copyright 06 August 2020.

6. Dr. M. V. Palandurkar got the Copyright on “Replacement of Flywheel of the Process Machine with Appropriate Electric Drive”, Copyright Number: L-93427/2020, Date of on copyright 06 August 2020.
7. Dr. S. H. Deshmukh got the Copyright on “Design And Study On Performance Improvement of Dc/Dc And Ac/Ac Convertor And Its applications”, Copyright Number: L-93422/2020, Date of on copyright 06 August 2020.
8. Dr. S. C. Rangari got the Copyright on “Performance Evaluation Of Five Phase Induction motor Drive With Fault Tolerant”, Copyright Number: L-93426/2020, Date of on copyright 06 August 2020.
9. Dr S. C. Rangari has successfully completed “Programming for Everybody” an online non-credit course authorized by University of Michigan and offered through Coursera.
10. Dr S. C. Rangari and Dr P. V. Kapoor have successfully passed the four week course “Electric Vehicles- Part 1” organized by IIT Madras on NPTEL.

Department of Electronics Engineering

Faculty Corner

Guest Lectures taken by faculty

Sr. No	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
1.	Dr. Bhalchnadra M. Hardas	Technology adaption for Sanskrit language promotion	9/7/2020	Sanskrit Bharati Training program Nagpur

Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal/ Conference/Book	Date of Conference / Publication	ISSN/ ISBN	DOI, vol., Issue., pp	SCI/ Scopus /ICI / Other (index)
1.	Prachi Rane Smita Daware	Channel Estimation in OFDM System using Compressive Sensing Framework: A Review	Helix: The Scientific Explorer	April 30 2020	print: 2277-3495 Electronic: 2319-5592	10(01), 222-227, Vol 10, issue No.2, <i>Helix</i> , 10 (02), 53-57.	WOS
2.	Manisha Tejwani Prachi Rane, Moin Syed, Oyesh Patel, Pragyan Pandey	Iot Based Smart Energy Meter Monitoring and Billing System	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	April 2020	ISSN: 2278-3075 (Online)	Volume-9 Issue-6, Page No. 1480-1483.	Scopus

SN	Name of the Authors	Title of the Paper	Name of the Journal/ Conference/Book	Date of Conference / Publication	ISSN/ ISBN	DOI, vol., Issue., pp	SCI/ Scopus /ICI / Other (index)
3.	Priya Sharma, Shreya Ghare1, Shruti Jain Archana Tiwari	Design and Simulation of E-shape Microstrip Patch Antenna at 2.45 GHz.	STM journals (Journal of Microwave Engineering and Technologies) ;	May 14,2020	ISSN: 2349-9001	volume 7; Iss10ue 1, 2020; doi:ht tp://engin eeringjour nals.stmjou rnals.in/in dex.php/Jo MET/Arctic le/view/3 938	Google Scholar
4.	Adarshita Khan Archana Tiwari	Design of Rectangular Microstrip Patch Antenna for WBAN Application	STM journals (Journal of Microwave Engineering and Technologies)	May 2020	ISSN: 2349-9001	volume 7; Issue 1, page no 25-33, 2020)	Google Scholar
5.	Shivam Deshmukh, Prasad Fating, Himanshu Dhale, Shubham Jain Patne.D.A	Smart Accident Prevention System	International Research Journal of Engineering and Technology (IRJET),	May 2020	e-ISSN: 2395-0056 p-ISSN : 2395-0072	Volume: 07 Issue: 05 Impact Factor 7.87	Google Scholar
6.	Poorvi Joshi Dr. Meghana Hasamnis, Dr. R.M.Patrikar	Book chapter on Fabrication of high-frequency resonators, Book titled "Reliability issues of MEMS Resonators"; under the subjects Materials, Circuits and Devices.	Institution of Engineering Technology, UK. Publication Year: 2020,	April 2020	ISBN-13: 978-1-78561-896-3	Pages: 440	
7.	Prasanna P. Deshpande Dr. Rajesh S. Pande	Book chapter on Microelectromechanical resonator design for high frequency, Book titled "MEMS Resonator Filters"; under the subjects Materials, Circuits and Devices.	Institution of Engineering and Technology (IET), United Kingdom (www.theiet.org) in year 2020 (April). Total chapters in a book are 11.	April 2020	ISBN-13:978-1-78561-896-3, e-ISBN: 9781785618970	DOI: 10.1049/PBCS065E	

SN	Name of the Authors	Title of the Paper	Name of the Journal/ Conference/Book	Date of Conference / Publication	ISSN/ ISBN	DOI, vol., Issue., pp	SCI/ Scopus /ICI / Other (index)
8.	Prasanna P. Deshpande Dr. Rajesh S. Pande	Book chapter on Fabrication of high-frequency resonators, Book titled "MEMS Resonator Filters"; under the subjects Materials, Circuits and Devices.	Institution of Engineering and Technology (IET), United Kingdom (www.theiet.org) in year 2020 (April). Total chapters in a book are 11.	April 2020	ISBN-13:978-1-7856-1-896-3, e-ISBN: 9781785618970	DOI: 10.1049/PBCS065E,	
9.	Mahima Rana Sakshi Rana Sangeeta Palekar Dr. Jayu Kalambe	Development of Microfluidics-based Platform for Detection of Nitrite in Water using Optical Readout Method	Journal of Critical Reviews	9 July 2020	ISSN 2394-5125	doi:10.31838/jcr.07.13.223 Vol 7, Issue 13, 2020	Scopus
10.	Shiju Samual Dr. Rohini Ochawar M.S.S. Rukmini	Review on MRI motion artefact correction	5th International Conference on Microelectronics, Computing & Communication Systems (MCCS-2020)	11-12 July 2020	–	–	Scopus
11.	Durgesh Doye Khatija Najafee, Vighnesh Warambhe, Dr. Pankaj Joshi Sharmik Admane	Designing of Approximate circuit for signal Processing application	24 th International Symposium on VLSI Design and Test	23–25 July, 2020	ISBN 978-1-7281-9369-4	–	Organized by VLSI society of INDIA
12.	Nikita Jattalwar, Dr. Suresh S. Balpande, Dr. J. A. Shrawankar	Assessment of Denim and Photo Paper Substrate-Based Microstrip Antennas for Wearable Biomedical Sensing	Springer Wireless Personal Communications (Springer Science Business Media, LLC, part of Springer Nature 2020)	25 Aug 2020	E-ISSN 1572-834X P-ISSN 0929-6212	https://doi.org/10.1007/s11277-020-07665-9	SCI

SN	Name of the Authors	Title of the Paper	Name of the Journal/Conference/Book	Date of Conference / Publication	ISSN/ ISBN	DOI, vol., Issue., pp	SCI/ Scopus /ICI / Other (index)
13.	Bhavishya B. Waghvani Surosh S. Ali Shubham C. Anjankar, Dr. Suresh S. Balpande, Dr. Jayu P. Kalambe	In vitro detection of water contaminants using microfluidic chip & luminescence sensing platform	Springer Microfluidics and Nano fluidics (2020) 24:73 (Springer-Verlag GmbH Germany, part of Springer Nature 2020)	25 Aug 2020	ISSN 1613-4982	https://doi.org/10.1007/s10404-020-02381-z	SCI
14.	Akshay Kemekar, Ashutosh Jaiswar, Dr. A.A. Khurshid, Vivek Bhore	Design of Electronic Speed Controller for Solar Powered Low Power Brushless DC (BLDC) Motor	Helix	31 Aug 2020	E-ISSN: 2319-5592; P- ISSN: 2277-3495	Helix (2020) 10 (4): 21-25 https://doi.org/10.29042/2020-10-4-21-25	ESCI
15.	Poorvi Joshi	Reliability Approach in View of Damping in MEMS Resonator	Helix	31 Aug 2020	E-ISSN: 2319-5592; P- ISSN: 2277-3495	Helix (2020) 10 (4): 01-05, https://doi.org/10.29042/2020-10-4-01-05	ESCI
16.	Pooja Niwalkar, Smita Daware, Prachi Rane, Prachi Gujrathi, Nidhi Lakhanpal	Eco friendly Solar bicycle	Helix	31 Aug 2020	E-ISSN: 2319-5592; P- ISSN: 2277-3495	Helix (2020) 10 (4): 76-82, https://doi.org/10.29042/2020-10-4-76-82	ESCI
17.	Siddhi Rathi Dr. A. A. Khurshid, Dr. Amol Morankar	Implementation of Digital System for Generation of Coloured Noise using Pseudo Random Sequence with Smooth Spectrum	Paideuma Journal	6 Sep 2020	ISSN 0090-5674	Vol XIII Issue IX 2020	WOS
18.	Kartik Ingole Dr. Kanchan Dhote	Big Data Analysis Using Clustering Technique	International Journal of Grid and Distributed Computing	Aug 2020	ISSN: 2005-4262	Vol. 13, No. 1, (2020), pp. 2138 – 2142, IJGDC	WOS

STTP/FDP/other Training Attended by Faculty

S No	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1.	Prof. A. R. Tiwari	FDP Micro strip Antennas for advanced wireless communication	15/05/2020 16/05/2020	Dept. Of ETC, Kallam Haranadhareddy Institute of Technology & IETE, Vijayawada
2.	Prof. A. R. Tiwari	Workshop on "Advanced Concepts in circuit simulation and compact modelling"	25/05/2020 26/05/2020	IEEE -RCOEM Student Branch
3.	Prof. A. R. Tiwari	Modern research trends in communication, signal processing and VLSI / MEMS"	19/05/2020 23/05/2020	Andhra Loyola Institute of Engg & Technology
4.	Prof. A. R. Tiwari	FDP on "SCILAB"	29/04/2020 03/05/2020	Dept. Of ECE, PSCMRCET & Spoken tutorial, IIT Bombay
5.	Dr. B. M. Hardas	Online FDP on Renewable Energy Sources : A way Ahead	15/05/2020 21/05/2020	ASM International (American society of Materials), Pune & The Indian society of heating, refrigerating and air conditioning engineers, Nagpur & Cummins College of engineering for women, Nagpur.
6.	Dr. B. M. Hardas	FDP on AI & Its applications	11/05/2020 15/05/2020	Edux Labs
7.	Dr. B. M. Hardas	FDP on "Computational tools and techniques : MATLAB, ANSYS"	27/04/2020 1/05/2020	Government College of 'Engg, Karad & Rajkiya Engg. College, Azamgarh, UP
8.	Dr. B. M. Hardas	Faculty awareness program on NAAC Accreditation	10/05/2020 15/05/2020	Shri Chhatrapati Shivajiraje college of Engg., Pune
9.	Dr. B. M. Hardas	Workshop on "Advanced concept in circuit simulation and compact modelling"	25/05/2020 26/05/2020	IEEE -RCOEM Student Branch
10.	Dr. B. M. Hardas	Workshop on "NAAC Awareness programme for Faculty"	08/05/2020 14/05/2020	Mitra Mandal Institute of Technology, Pune

S No	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
11.	Prof. S. V. Laddha	One week FDP on "Recent Trends in Database Technologies"	22-26 June 2020	Department of Computer Science, RCOEM, Nagpur
12.	Prof. S. V. Laddha	Completed NPTEL course on "Joy of computing with Python" with 92% Score	Jan-June 2020	NPTEL
13.	Prof. S. V. Laddha	Completed course on "Structuring Machine Learning Projects" with 98.33%	May-June 2020	Coursera
14.	Prof. S. V. Laddha	Completed course on "Neural Networks and deep learning" with 98.60%	May-June 2020	Coursera
15.	Prof. S. V. Laddha	Completed course on "Improving deep neural networks" with 96.10%	May-June 2020	Coursera
16.	Prof. S. V. Laddha	Completed course on "Convolutional Neural Networks" with 95.60%	May-June 2020	Coursera
17.	Prof. S. V. Laddha	Completed course on "Sequence Models" with 97.00%	May-June 2020	Coursera
18.	Dr. S. Godbole	Online Hackathon Challenge	30/03/2020 02/04/2020	IEEE India council, IEEE Hyderabad & IEEE Bangalore
19.	Dr. S. Godbole	FDP on "Moodle Learning Management System"	25/05/2020 30/05/2020	J D College of Engg & Management & Spoken tutorial, IIT Bombay
20.	Dr. S. Godbole	STTP on Teaching and Learning pedagogy (online mode)	18/05/2020 22/05/2020	REST society for research International, Tamil Nadu
21.	Dr. S. Godbole	Workshop on Basic Optimization Technology workshop (online mode)	04/05/2020 06/05/2020	REST society for research International, Tamil Nadu
22.	Dr. S. Godbole	Workshop on Basic online Research method (online mode)	28/04/2020 30/04/2020	REST society for research International, Tamil Nadu
23.	Dr. S. Godbole	STTP on Advanced Research Methodology	11/05/2020 15/05/2020	REST society for research International, Tamil Nadu

S No	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
24.	Prof. S.G.Daware	STTP on "Patenting for Innovations"	25-29 May, 2020	Sanjivani College of Engineering Kopaegaon.
25.	Prof. S.G.Daware	STTP on "MATLAB based Teaching- Learning in Mathematics, Science & Engineering"	18 th to 22 nd May, 2020	Dept. of Eletronics Engg. Ramrao Adik Institute of Technology, Nerul, Navi Mumbai.
26.	Prof. S.G.Daware	FDP on "Effective Proposal Writing for Research and Funding"	13 th may to 18 th May, 2020	IEEE Dept. Of ETC in Association with IEEE Women in Engineering, Nashik
27.	Dr. K. Dhote	One week online FDP on Effective Proposal writing for research and funding	13/05/2020 18/05/2020	Dept. Of Electronics & Tele, IEEE women Engg, Sandip Institute of Technology & Research centre, Nasik
28.	Dr. K. Dhote	One week FDP on ICT Tools	11/05/2020 16/05/2020	IIT Bombay & Sree Vidyanikethan Engg College, Tirupati
29.	Dr. K. Dhote	Online FDP on Trends in communication	26/05/2020 30/05/2020	Averzs Technology
30.	Dr. K. Dhote	FDP on AI and IoT for medical application	06/06/2020 03/06/2020	GMR Institute of Technology, Rajam
31.	Dr. K. Dhote	FDP on Descriptive Statistics through R-Programming	26/05/2020 28/05/2020	KPRIET, Coimbatore
32.	Dr. K. Dhote	FDP on Recent Innovation in Electrical, Electronics, Instrumentation, Automation & Teaching Pedagogy	18/05/2020 30/05/2020	MHRD and departments of EEE, EIE & ICE
33.	Dr. G. A. Morankar	Online FDP on Renewable Energy Sources : A way Ahead	15/05/2020 21/05/2020	American Society of Materials, Pune & The Indian Society of Heating, Refrigerating and Air conditioning Engineers, Nagpur & Cummins College of Engineering for Women, Nagpur.

S No	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
34.	Prof. V. Rathee	FDP on Arduino	20/05/2020 24/05/2020	Department of Electronics Engineering RCOEM
35.	Prof. P.P. Rane	One week online FDP on Effective Proposal writing for research and funding	13/05/2020 18/05/2020	Dept. Of Electronics & Tele, IEEE women Engg, Sandip Institute of Technology & Research centre, Nasik
36.	Prof. D. Patne	FDP on Machine learning & Data Analytics using Python	22/04/2020 29/04/2020	Electronics and ICT Academy, IIT Roorkee
37.	Prof. D. Patne	FDP on Moodle : Learning Management System (LMS)	13/05/2020 17/05/2020	Dept. of EETC Engg., Smt. Kashibai Nawale college of Engg, Pune & Spoken Tutorial, IIT Bombay
38.	Prof. D. Patne	FDP on PERL	23/05/2020 27/05/2020	RCOEM Nagpur and IIT Bombay
39.	Prof. D. Patne	Online FDP on Novel Approaches on Blockchain Technology & its applications	22/05/2020 28/05/2020	Faculty of Engineering and computing sciences, Teerthankar Mahaveer University, UP IEEE, UGC, AICET
40.	Prof.S. Laddha	FDP on Recent Trends in Database Technologies	22/06/2020 26/06/2020	RCOEM, Nagpur and ACM Nagpur
41.	Prof. P.K. Joshi	Two day training program on "MEMS-CAD Tool (Intellisuite)" by Mr. Shripadraja K, Director, MEMS Technology Services, IntelliSense	28/01/2020 to 29/01/ 2020.	RCOEM Nagpur and Intellisense Software
42.	Prof. P.K. Joshi	STTP on Patenting for Innovations	25/05/2020 29/05/2020	Sanjivani College Of Engg., Kopargaon
42.	Prof. P.K. Joshi	One week online FDP on Effective Proposal writing for research and funding	13/05/2020 18/05/2020	Dept. Of Electronics & Tele, IEEE women Engg, Sandip Institute of Technology & Research centre, Nasik

S No	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
44.	Prof. S. Anjankar	Two day training program on "MEMS-CAD Tool (Intellisuite)" by Mr. Shripadraja K, Director, MEMS Technology Services, IntelliSense	28/01/2020 to 29/01/2020.	RCOEM Nagpur and Intellisense Software
45.	Prof. S. Anjankar	Online FDP on Novel Approaches on Blockchain Technology & its applications	22/05/2020 28/05/2020	Faculty of Engineering and computing sciences, Teerthankar Mahaveer University, UP IEEE, UGC, AICET
46.	Prof. S. Anjankar	FDP on Arduino	20/05/2020 24/05/2020	RCOEM Nagpur and IIT Bombay
47.	Prof. S. Anjankar	FDP on Moodle : Learning Management System (LMS)	13/05/2020 17/05/2020	Dept. of EETC Engg., Smt. Kashibai Nawale college of Engg, Pune & Spoken tutorial, IIT Bombay IIT Bombay
48.	Prof. P.U.Joshi	Online FDP on Novel Approaches on Blockchain Technology & its applications	22/05/2020 28/05/2020	Faculty of Engineering and computing sciences, Teerthankar Mahaveer University, UP IEEE, UGC, AICET
49.	Prof. P.U.Joshi	FDP on Arduino	20/05/2020 24/05/2020	RCOEM Nagpur and IIT Bombay
50.	Prof. P.U.Joshi	Workshop on Machine learning in computer vision application	12/05/2020 13/05/2020	Dept. of ECE, Sri Venkateshwara Vollege of Engg, Sriperumbudur
51.	Prof.V.R.Gupta	Online FDP on Renewable Energy Sources : A way Ahead	15/05/2020 21/05/2020	American society of Materials, Pune & The Indian Society of Heating, Refrigerating and Air conditioning Engineers, Nagpur & Cummins College of Engineering for Women, Nagpur.

S No	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
52.	Prof.V.R.Gupta	FDP on Deep learning for medical data analysis, visualization & prediction	12/06/2020 16/06/2020	Edux Labs
53.	Dr. Pankaj Joshi	Online one-week STTP on "Artificial Intelligence & Machine Learning"	24-29 Aug 2020	Manav Rachna International Institute of Research & Studies, Faridabad,
54.	Prof. Vikas Gupta	two-week Online Faculty Development Programme on "ICT Tools for Teaching, Learning Process and Institute" jointly organized by Electronics and ICT Academies held under the "Scheme of financial assistance for setting up of Electronics and ICT Academies"	10-21 Aug 2020	Electronics & ICT Academies NIT Patna, MNIT Jaipur, PDPM IIITDM Jabalpur, IIT Guwahati and IIT Roorkee
55.	Dr. Kanchan Dhote	AICTE Training and Learning (ATAL) Academy Online FDP on "Wearable Devices"	21-25 Sep 2020	College of Engineering Pune
56.	Dr. Rohini Ochawar	AICTE Training and Learning (ATAL) Academy Online FDP on "Computer Science & Biology"	1-5 Oct 2020	Kalinga Institute of Industrial Technology.
57.	Prof. Smita Daware	One-week online FDP on Advancement in renewable energy system for sustainable development	30 Jun-4 Jul 2020	Govt. college of Nagpur
58.	Prof. Vikas Gupta	AICTE Training And Learning (ATAL) Academy Online FDP on "Blended Learning and Flipped Classroom"	31 Aug – 4 Sep 2020	National Institute of Technical Teachers Training & Research, Chandigarh.
59.	Prof. Vikas Gupta	AICTE Training And Learning (ATAL) Academy Online FDP on "Blended Learning and Flipped Classroom"	10 Aug- 14 Aug 2020	Sardar Vallabhbhai National Institute of Technology Surat.
60.	Dr. Kanchan Dhote	One-Week Indo-Canada SPARC-Workshop on RF Energy Harvesting Systems, REHS-2020	17-21 July 2020	NIT, Silchar In Collaboration with Delhi Technological University, India & Queen's University, Canada

Departmental Activities

Conference, STTP and Guest Lectures organized in Department

S No	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1.	Basics of Python programming	Prof. S. V. Laddha, Assistant Professor, RCOEM, Nagpur	1 Hr	2 May 2020
2.	Scope and opportunities in VLSI Design post COVID-19	Mr. Vikram Labhe Co-founder and CEO NEXTFANG	1 Hr	18 May 2020
3.	Solve any problems of aptitude in seconds	Mr. Kushal Lakhani, Head Abridge Educorp, Nagpur	1 Hr	27-30 May 2020
4.	Entry to the corporate world	Ms. Anisha Wasnik, Corporate Trainer, HCL, Nagpur	1 Hr	23rd, 31st May 2020
5.	Entry to the corporate world	Mr. Vikram Deshpande, Vice President and Head, Sales and Operations, Bharti Airtel Ltd	1 Hr	2 May 2020
6.	Career options and opportunities for B.E/M.Tech EN, EC, EDT graduates	Mr. Renjith C. V. Electrical Architect/Product designer at Phillips India Ltd. Pune	1 Hr	28 May 2020
7.	Challenges in MEMS Design and development	Sripadaraja K. Director MEMS Technical Services, Intellisense Software Bangalore	1 Hr	28 May 2020
8.	Preparation for CORE companies	Ms. Awani Anjankar, Project Engineer, Cerium System Bangalore	1 Hr	30 May 2020
9.	How to prepare for IoT domain jobs	Mr. Arihant Dhobe, IoT Engineer, R &D, Accenture, Bangalore	1 Hr	30 May 2020
10.	Modern Antennas for wireless systems	Mr. Pratik Khurana, EEs of Application Engineer, Keysight Technologies Dr. D. K. Raghuwanshi, HoD ECE dept., MANIT Bhopal Prof. G. P. Panday, Vice Chairman, IEEE MIT Gujrat section	1 Hr	22-24 May 2020
11.	How to prepare for future of augmented reality (AR)/ virtual reality (VR)	Mr. Kartik Kinge, IIIT Nagpur	1 Hr	27 May 2020

S No	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
12.	Cloud Computing	Mr. Ali Mustafa Shaikh, Google certified Educator, Level 1&2	1 Hr	17 June 2020
13.	COVID and YOUth	Dr. Sajal Bansal, EX Medical officer at MAYO, Junior Doctor Network IMA Nagpur coorinator	1 Hr	14 June 2020
14.	Challenges and opportunities in software testing	Raghavendra N. K., Founder & CEO, Sumadhva Technologies, Bangalore	1 Hr	19 June 2020

INTERNSHIP

Department is taking efforts to reduce the gap between industry and academia by providing the industry exposure to students. Students are department encouraged for Industry Internship. Following Industries provided six months internship to our students of different domains.

Name of the Industry	Programme Specialization	No. of students completed Industry Internships in the session 2019-20
Techwalnut Innovation LLP, Nagpur	Embedded systems	01
Light House Info systems Pvt. Ltd, Nagpur	Business intelligence (tableau)	02
TCS, Nagpur	ITIS (computer networking, cloud computing, service now, office 365)	14
TCS, Nagpur	Microsoft Azure	04
TCS, Nagpur	Internet of Things	03
TCS, Nagpur	Automotive	16
V.V. Associates, Nagpur	Power Electronics	02
Trust Systems & Softwares Pvt. ltd, Nagpur	Website using SQL, bootstrap, asp. Net, java query, Android	04
Meximess Pvt. ltd., Nagpur	Web development (Designing a Math and CHEM type equation tool)	01
Intellexus System Pvt. ltd, Pune	Prototyping Electronic Devices	01

Name of the Industry	Programme Specialization	No. of students completed Industry Internships in the session 2019-20
V.S. Informatics Pvt. Ltd, Nagpur	Wi-Fi based switch boards (IOT)	02
Open Silicon Research Pvt. Ltd, Pune	FPGA Emulation and prototyping	02
Infogain India Pvt. Ltd, Noida	Training on artificial intelligence and machine learning	01
TCS, Nagpur	Analytics (SQL & PL/SQL)	01
Kratin, Nagpur	Development using Truliacare software	01
Principal Global Services, Mumbai	Information Technology	01
Principal Global Services, Mumbai	Information Technology	01
L&T, Ahmadnagar	Electrical Automation (LV Switchgear)	03
TATA Technologies, Pune	Electric Vehicle	01
The imperial lubricants, Nagpur	Business Development	01
L&T Infotech, Mumbai	SAP & Automation using PYTHON language	01
Infocepts, Nagpur	Data Analysis-MicroStrategy (BI-MSTR)	03
Bharati Airtel, Gurgaon	Networking in MPLS Technology	01

To encourage the Research activities at departmental level, six months Research Internship was provided to the students under the guidance of faculty members. The details are:

Research Guide	Problem statement	Name of the Student
Prof. S. R. Pandey	Design & Implementation of hardware Security Primitives	Aditya Kasbekar
Dr. (Mrs.) R.R. Khandelwal	Source Camera Identification (SCI) using Image features	Laksh Hariyani
	SCI using noise patterns	Rishabh Sanghvi
	Anomaly Detection System for Traffic control	Saloni Tarhate
		Prakhar Sahu

Research Guide	Problem statement	Name of the Student
Dr. (Mrs.) R.R. Khandelwal	Anomaly Detection System for Traffic control	Priyanka Bhatada
Dr. (Mrs.) J.P. Kalambe	Detection of phosphate & Nitrate in water	Purva Ansane
	Detection of heavy metal in water	Mahima Rana
Dr. S.S. Balpande	Condition Monitoring System for .Railway Bridges	Prajakta Dandekar
		Sheetal Singh
	Development of Soil Macro Nutrients Detection System	Shambhavi Ozarkar
Prof Shubham Anjankar	Triple modular redundancy using FPGA	Charvi Bisen
		Riya Joshi
Prof Shubham Anjankar	Triple modular redundancy using FPGA	Mansi Saxena
		Vinay Makode

The Department also initiated 4 to 6 weeks Research Internship by floating the problem statements from the faculty members, and interested students were selected by conducting the interview process. Four weeks Research internship started from June 1, 2020, under the guidance of faculty members and around 29 students were benefitted by this internship. The details are as follows:

Sr. No.	Name of Research Guide	Problem Statement	Selected Students
1.	Prof N S Damle	Development of multi tool machines	Nagesh Udasi
			Himanshu Ambule
2.	Prof N S Damle	IoT network infrastructure	Rishikesh Dhurde
			Mansi More
3.	Dr. (Mrs.) R.R. Khandelwal	Disease diagnostic system: Abnormalities in Human Nail	Pranav Wazarkar
			Akhilesh Tiwari
4.	Dr. S.S. Balpande	Development of Portable Soil Macro Nutrients Detection system with IOT	Swaraj Rathi
5.	Dr. S.S. Balpande	Development of Tribo-electric Blue Energy Harvester for IOT	Prayag Ashtankar
			Vadant Mehta

6.	Dr. (Mrs.) R.R.Khandelwal	Development of an Illumination imaging system for detection of defects in fruits	Ronit Shahu
			Aishwarya Vyas
7.	Dr. (Mrs.) R. R. Khandelwal	Development of a MATLAB Graphical user interface for Image Analysis of defects in fruits	Atharva Karangale
			Smruti Jain
8.	Dr. (Mrs.) R. R. Khandelwal	Detection of Surface Defects of fruits with Machine Learning Algorithms	Neel Bhurkunde
			Devansh Chhabriya
9.	Dr. (Mrs.) J.P Kalambe	Water quality monitoring system phosphate detection with AI	Shreya Chakraborty
			Neeraj Rangwani

The details of Online Internship completed by the students in various domains during summer break are as follows:

Name of the Industry/Platform for Online Internship	Programme Specialization /Domain	No. of Students
Online Internships: 1. Innovidu Technologies Pvt. Ltd. Bangalore in association with OASIS Bits Pilani 2. Tata Chemicals Limited, Mithapur 3. Maharashtra Metro Rail Corporation limited, Nagpur 4. Ethical Edufabrica pvt. ltd., Delhi 5. Viacom 18 Media private limited, Mumbai 6. Sahu Technologies, Mumbai 7. BSNL, Nagpur 8. Suritex private limited Nagpur 9. Central India Scales, Nagpur 10. Vruksh Ecosystem Foundation, Nagpur 11. Internshala (Online platform) 12. The Techintern (Online platform) 13. Alcon Electronics, Nagpur 14. Alentar Electric Nagpur - RCOEM TBI 15. Cloudmaster Technology private limited, Nagpur 16. TCSION Digital Learning 17. Hiro the stage, Nagpur 18. Unschool.in (Digital learnings Portal) 19. Thousand Assets Reconstruction Company, Nagpur 20. The Achievers School, Nagpur 21. Techwalnut Innovations LLP, Nagpur 22. Mastersoft ERP Solutions Pvt Ltd, Nagpur 23. Verzeo, Bangalore 24. Analog brains, IIOT Labs & TabXo 25. Unique Automation Pvt. Ltd., Nagpur 26. Everything O tube, (Online platform)	Python, Web Development, Data Science, Medical Image Processing, research and marketing, Azure Cloud Computing, Fluid analysis using RPI, Research and Marketing (blog writing), Small scale Energy, App development, Embedded Electronics & PCB Designing, Machine learning, MATLAB & IOT, MEMS, Image Processing	85

The Department also started with six months (part-time) Research internship program for interested students from 1st August 2020. The Details are as follows

Sr. No.	Research Guide	Problem statement	Name of the students	
1.	Dr. (Mrs.) R.R. Khandelwal	Development of Disease diagnostic system through fingernail analysis	Pranav Wazarkar	Akhilesh Tiwari
2.	Dr. (Mrs.) R.R. Khandelwal	App Development for Nail Pathology	Devansh Chhabriya	Abhilash Karnale
3.	Dr. (Mrs.) R.R. Khandelwal	Image sensor colour calibration	Aditi Badge	Diksha Nanwani
4.	Dr. (Mrs.) R.R. Khandelwal	Estimating Salt Content of Saline Soil Using Hyperspectral Data	Ronit Shahu	Yash Bambal
5.	Dr.(Mrs)Deepali Kotambkar	Medical Image Analysis using Machine Learning	Sakshi Goyal	Shardul Fating
6.	Dr. (Mrs.)R.S. Ochawar	Identification of low growing zone in an agricultural land	Tanu Datt	Rushali Jaiswal
7.	Dr. V. Khetade	Modeling of uncertainty	Riya Paradkar	
8.	Prof. J. B. Zalke	Interface circuit design for energy harvesting	Nagesh Udasi	Radhika Kavishwar
9.	Dr. P. U. Joshi	Comparative analysis of approximate multipliers for AI/ML	Taranpreet Kaur	Mushkan Bhagat
10.	Prof. S. R. Pandey	Hardware Trojan Implementation on FPGA	Gaurav Chandekar	Sakshi Lahabar
11.	Prof. V. R. Gupta	Automatic Detection and Classification of Traffic Signs for Driverless Car	Palash Thakur	Sharayu Choudhari
12.	Prof. V.R. Gupta	Multimodal Emotion Recognition using Deep Learning	Shubh Agrawal	Shardul Penurkar
13.	Prof. S.R. Pandey	Hardware Obfuscation on FPGA	Saurabh Srivastava	Sushrut Kotwaliwale

Also Centre for Microsystems, offered 6 months part time Research internship to 15 students from all the E-branches .The Details are as follows

Sr. No.	Research Guide	Problem statement	Name of the students	
1.	Prof. S.C. Anjankar	Design and simulation of 180nm X-ray radiation sensor using MOS technology.	Ayesha Shahu (EN)	Shubham Sharma (EC)
2.	Prof. S.C. Anjankar	Design and simulation of 180nm Gamma radiation sensor using MOS technology.	Tejas Sathawane (EC)	Abhinav Kayarkar (EC)
3.	Dr. (Mrs)J.P. Kalambe	Development of Intelligent Web server over Intranet	Pranati Pandey (IT)	Fariha Batool (EN)
4.	Dr. (Mrs)J.P. Kalambe	Development of Fluid Adulteration Detection platform with Machine Learning (Milk)	Neeraj Rangwani (EN)	Akash Poddar (EC)
5.	Dr. (Mrs)J.P. Kalambe	Development of Fluid Adulteration Detection platform with Machine Learning (Water)	Mansi Raghorte (EN)	Ashish Selokar (EN)
6.	Dr. (Mrs)J.P. Kalambe	Development of Glucose Monitoring System	Himanshu Choudhari (EC)	Rasika Rewatkar (EN)
7.	Dr. S.S. Balpande	Development of Triboelectric Energy Harvester	Vedant Mehta (EN)	Prayag Ashtankar (EN)
8.	Dr. S.S. Balpande	Development of soil Salinity and organic carbon (OC) detection	Ankit Bawane (EN)	Anushka Deshmukh (EN)
9.	Dr. S.S. Balpande	Development of Colorimetry based portable Soil Nutrients Detection (P, K)	Tanmay Khutate (EN)	Deepa Gupta (EN)
10.	Dr. S.S. Balpande	Material synthesis for Triboelectric Energy Harvester	Swaraj Rathi (EN)	
11.	Dr. D.G. Khushlani	Microsystems for flow cytometry: Simulation on CAD & Prototype Circuit design to study the effect of frequency resonance energy transfer effect	Aishwarya Agrawal (EC)	
12.	Dr. P.P. Deshpande	RF MEMS resonator for 5G application- (a design concept, technology used and principle of operation)	Varad C Joshi (EC)	Mandar M Pimparkar (EC)

Sr. No.	Research Guide	Problem statement	Name of the students	
13.	Prof. A.H. Harkare	Microfluidic channel for fuel adulteration detection	Harsh Mahajan (EC)	Geetesh Mokhare (EC)
14.	Prof. A.M. Gupta	Development of Heartbeat Generating System for Biomedical Applications	Nikesh Rathod (EC)	Jay Dhiraj Awale (EC)
15.	Prof. V.R. Rathee	Development of ML/AI based heavy metal detection and display system	Vinamra Vij (EN)	Shreya Chakravorty (EN)
16.	Dr. J.A. Shrawankar	Design and Development of Microwave Integrated circuits	Ved Katyayan	

Webinar on “Soft Skill Development”

A webinar on “Soft skill development” was organized for Undergraduate students on 18th July 2020.

Dr. Pragya Mathur, Psychologist, Trainer, Mental skill coach for sports persons, Founder of Arunima Ankuran delivered a session on “Soft skill development”. She discussed the importance of social skills, communication skills, character or personality traits, attitudes, career attributes, social intelligence and emotional intelligence quotients and ways to develop them in a personality.

Prof. S. V. Laddha, IETE-ISF Incharge had organized this webinar online on Google Meet. More than 79 students of Electronics Engineering, Electronics and communication department were benefited in the webinar.

Students' Corner

Toppers List (Combined list of two shifts) if applicable

Sr. No.	Second Year	Third Year	M.Tech VLSI
1.	Sakshi S. Goyal	Harshal P Rajurkar	Angel Thomas
2.	Vinay A. Kewte	Trupti Padhiary	Hemant Gillurkar
3.	Palash Thakur	Bhagyashri Wahile	Rohit Pawar

Student Achievements

Sr.No.	Name of Student	Event	Achievement	Date
1.	Shubham Gattani Onkar Kakani	Tagore international film festival	Outstanding achievement award, student films	29th May 2020

Students Publications

S.N.	Paper Title	Name of the Student	Conference / Journal (National/ International)	Conference /Journal details and place	Date/Year, Volume, No., pp.
1.	Design of Rectangular Microstrip Patch Antenna for WBAN Application	Adarshita Khan	STM Journals (National)	Journal of Microwave Engineering & Technologies (JoMET) ISSN: 2349-9001 Volume 7, Issue 1 www.stmjournals.com, Noida (UP)	8 June 2020, Volume 7, Issue 1
2.	Development of Programmed Liquid Dispensing Framework for Microfluidics Based Analytical Devices	Purwa Anasane	6th Students' Conference On Engineering And Systems (sces-2020)	6th Students' Conference on Engineering & Systems (SCES-2020)	July 10-12, 2020 MNNIT Allahabad (INDIA)
3.	Design and simulation of microstrip patch antenna at 2.45 GHz	Shreya Ghare, Shruti Jain, Priya Sharma	STM Journals (National)	Journals of Microwave Engineering and Technologies (JoMEA)	4th June 2020 ISSN: 2349-9001 Volume 7, Issue 1 www.stmjournals.com
4.	Mapping users perception on digitally managed smart-toilets in Nagpur city	Kritika Jain	Our Heritage Journal	UGC care approved International indexed and referred Journal	Published in VOL-68-NO-9-2020 of Our Heritage Journal with ISSN::0474-9030
5.	Development of Microfluidics-based Platform for Detection of Nitrite in Water using Optical Readout Method	Mahima Rana	5th International Online Conference on Recent Advancements in Interdisciplinary Research (5th ICRAIR - 2020)	5th International Online Conference on Recent Advancements in Interdisciplinary Research (5th ICRAIR - 2020), City University, Malaysia	25th -26th July, 2020,
6.	Design and fabrication of Microstrip Patch Antenna for Cognitive Radio Application	Rupesh Ghate, P. Bodalkar, S. Khadse	<i>International Journal of Research in Engineering, Science and Management,</i>	<i>International Journal of Research in Engineering, Science and Management.,</i>	vol. 3, no. 5, pp. 226-229, May 2020

S.N.	Paper Title	Name of the Student	Conference / Journal (National/ International)	Conference /Journal details and place	Date/Year, Volume, No., pp.
7.	Iot based smart energy meter billing and monitoring system	Manisha Tejawani, Moin Syed, Oyesh Patel, Pragyan Pandey	IJITEE	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	ISSN: 2278-3075, Volume-9 Issue-6, April2020
8.	Automatic Car Parking System Using Arduino	Nihal Deochand Chaudhari, Ayushi Singh	International Research Journal of Engineering and Technology(IRJET)	International Research Journal of Engineering and Technology(IRJET)	e-ISSN: 2395-0056 Volume: 07 Issue: 05 May2020
9.	Medication Adherence System	Dimpal Kitukale, Jyoti Darra, Pranjali Mehakare	International Research Journal of Engineering and Technology(IRJET)	International Research Journal of Engineering and Technology(IRJET)	e-ISSN: 2395-0056 Volume: 07 Issue: 05 May2020
10.	Automated Omelette Making Machine	Kritika Sunil Jain1, Yashraj Singh	International Research Journal of Engineering and Technology(IRJET)	International Research Journal of Engineering and Technology(IRJET)	Volume: 07 Issue: 04 Apr 2020

Students in Higher Studies in Year 2020-2021

Name of Student	Name of Institution of Higher Studies	Name of program of Higher Studies	Year of passing
Aditya Gurjar	NYU, USA	MS in Computer Engineering	2019-20
Juhi Bahrani	University of Houston, Clear lake (UHCL), Houston.	MS in Computer Science	2019-20
Shreevats Gadhikar	San Jose State University, California	MS in Computer Engineering	2019-20
Namrata Shukla	NIT, Kurukshetra	M.Tech in VLSI Design	2018-19
Aman Butoliya	IIT, Mumbai	M.Tech in Electronics Communication	2018-19
Apurva Dahake	Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram	M.Tech/Master of Science programme	2018-19
Priya Pawan Singh	Canada College, Monterial, Canada	Business Administration and Commerce (LCA.EE), AEC program.	2018-19

Placement

Following students are selected in Byjus Ltd. India with a package of 10 LPA

- 1) Priyanka Butey
- 2) Siddarth Gupta.

Any other activity(s):

1) Career counseling cell of Electronic Engineering has organised Webinar on "core domain career option after engineering" on 20th June 2020 by Mr. Rahul kurzekar (sr. ASIC Engineer, NVIDIA graphics pvt. Ltd. Banglore. RCOEM Alumnus)

2) Career counseling cell of Electronic Engineering has organised Webinar on "Career options & opportunities for BE/M.Tech Electronics/EDT/EC graduates" by Mr. Renjith CV of Philips India was successfully conducted on 28th May 2020. It was wonderful and very informative session and 48 students had attended it.

Webinar conducted under career counselling cell and T&P:

Following webinar conducted under the Career Counselling cell of Electronics Engineering department during July-August-September 2020.

1) "All About GATE & Mantras to crack it" under Prerana Scheme on 23rd of August 2020. (1:00 PM to 3:00 PM). The speaker for the webinar was Mr. Aman Butoliya (Alumnus EN, RCOEM, Batch 2019). He discussed about the strategies to crack GATE exam and also discussed about the paper pattern of GATE 2021. He also shared how to prepare for GATE through his experience. Around 80 students attended this webinar.

2) "IoT - Architecture, Technology and Protocols" on 5th of September 2020 at 1:00 PM to 3:00 PM The speaker for the webinar was Mr. Renjith. C.V, Electrical Architect/Product Designer at Philips India LTD, Pune, MS, India. He discussed used about Architecture, different technology and various protocol of IOT. He also discussed about how IOT playing a vital role in various sectors and future trends and job in IOT domain. Around 40 students attended this webinar.

3) "Strategy to crack CAT Exam" on 6th of September 2020 at 1:00 PM to 3:00 PM. The speaker for the webinar was Mr. Ajinkya Jumde (Alumnus EN, RCOEM, Batch 2017). He discussed about the strategies to crack CAT exam and also discussed about the paper pattern of various management entrance exams. He also shared information about various colleges on basis of specialization in management studies. Ajinkya also presented detailed presentation which covered various aspects of CAT exam. Around 50 students attended this webinar.

Department of Electronics and Communication Engineering

Faculty Corner

Faculty PhD Awarded

Prasanna Prakash Deshpande, Assistant Professor (EC) received Ph.D. degree in Electronics Engineering on "Design and Development of MEMS Resonator" from RTMNU, Nagpur in September 2020

Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal/Conference/Book	Date of Conference / Publication	ISSN/ ISBN	DOI, vol., Iss., pp	SCI/ Scopus/ ICI / Other (index)
1.	Mridula Korde	Synchronization Aspects in 5G	International Conference on Communication and Signal Processing	28-30 July 2020		DOI: 10.1109/ICCS P48568.2020.9182120	Scopus
2.	Ankita H Harkare, Vasudha Potdar, Abhishek Mishra, Akshay Kekre, Hitesh Harkare	Methodology of Implementation of Building management System using IOT	Springers book Lecture Notes on Data Engineering and Communications Technologies Volume 53	July 2020	ISSN: 2367-4512	Volume 53, Pg. 939-948	
3.	Ankita Harkare	Lecture Notes on RF Circuit Design	Copyright Registered on 14 th August 2020	14 th August 2020			

STTP/FDP/other Training Attended by Faculty

Sno.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1.	Mridula Korde	Virtual Labs for Communication Systems using MATLAB and Simulink	20 August 2020	Math Works
2.	Dr. P. R. Selokar	ICT Tools for Teaching Learning Process and Institute (FDP)	10 th – 21 st August, 2020	E&ICT Academy, NIT Patna.
3.	Dr. P. R. Selokar	Machine Learning Algorithms and Applications in Data Science (STTP)	7 th – 12 th September, 2020	Vishvakarma Institute of Technology (VIT), Pune. (AICTE Sponsored.)

Sno.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
4.	Prasheel Thakre	Short course on –“Learn to Design your own Solar Home System”	30 Aug 2020	Energy Swaraj Foundation
5.	Ankita H Harkare	Industry Training	22 nd June – 14 th July	Entuple Technologies Pvt. Ltd.
6.	Ankita H Harkare	One Week International Workshop	27 th – 31 st July 2020	MANIT Jaipur
7.	Ankita H Harkare	Short Course on “Learn to Design your own Solar Home System”	NA	Energy Swaraj Foundation
8.	Ankita H Harkare	ATAL FDP on Wearable Devices	21 st – 25 th September 2020	AICTE ATAL ONLINE FDP @ COEP, Pune
9.	Ankita H Harkare	ATAL FDP on Control Systems and Sensor technology	17 th – 21 st August 2020	AICTE ATAL ONLINE FDP @ GCE - SRIRANGAM, TRICHY, TN

Any other activity(s):

1. Dr. S. B. Pokle Successfully completed a short course on “Learn to Design your own Solar Home System” Conducted by Energy Swaraj Foundation in association with R.C.O.E.M. Nagpur, on 15 August 2020.
2. Dr. S. B. Pokle Attended a Webinar on, “NEP 2020: Higher Education Perspective” jointly organized by Vidya Bharati Vidarbha and Maharshi Karve Stree Shikshan Sanstha Nagpur held on 20 September 2020.

Department of Electronics Design Technology

Faculty Corner Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal/Conference/Book	Date of Conference / Publication	ISSN/ ISBN	DOI, vol., Iss., pp	SCI/ Scopus/ ICI / Other (index)
1.	Dr. J. A. Shrawankar	Assessment of Denim and Photo Paper Substrate-Based Microstrip Antennas for Wearable Biomedical Sensing	Wireless Personal Communication: An International journal (2020). Springer ppublication	05 August 2020 [Online]	ISSN: 157283 4X, 09 296212	https://doi.org/10.1007/s11277-020-07665-9	SCI

STTP/FDP/other Training Attended by Faculty

S. No.	Name of Faculty	STTP/FDP/ Training Attended	Duration/ Date	Organizers of the event
1.	Dr. J. A. Shrawankar	National webinar on Copyright in Digital Era-Post COVID-19 Challenges in India organised by RTM Nagpur university.	19 th Sep.2020	RTM Nagpur university
2.	Dr. Deepali Kotambkar	One week online pedagogical training program on “Tools for online teaching learning and evaluation	1 st July to 6 th July, 2020	School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded.
3.	Dr. Deepali Kotambkar	One week online technical training programs with certification from IETE and PANTECH technologies on – “Open CV and Image Processing”	17th -22nd August 2020	IETE Mumbai chapter
4.	Prof.(Mrs.) Anju Gupta	2 days – National Level Online Workshop on Brain Computer Interface (BCI)	12 th -13 th Sep, 2020	Organised by NITK – STEP National Institute of Technology, Karnataka, Surathkal in Association with Pantech e Learning

S. No.	Name of Faculty	STTP/FDP/ Training Attended	Duration/ Date	Organizers of the event
5.	Prof.(Mrs.) Anju Gupta	Online technical training program on Deep Learning using CNN - Python	7 th -11 th Sep, 2020	IETE - Mumbai in association with pantech e-learning.

Departmental Activities

ORIENTATION PROGRAM

GENESIS- the student society of department of EDT has organized online orientation program for newly joined 3rd semester EDT students on 8th August, 2020. Prof. (Mrs.) Anju Gupta explained about major, minor and honors scheme of curriculum, method of examination and about NPTEL courses. Prof. Ruchir Nandanwar discussed about the expectations of various companies coming to the campus for placement and how to upgrade the employability skills. He also made the students aware about aptitude preparation, communication skill, cytometric test, coding test etc.

Dr. (Mrs.) A.A. Khurshid, head of the department, has discussed about the teaching learning process in the department, various academic, co-curricular and extracurricular activities usually conducted in the department and at institute level. She also discussed the avenues and opportunities available to the students for their academic and professional enrichment through incubation and entrepreneurship. Dr. (Mrs.) A.A. Khurshid also encouraged the students to enrol for the major and minor specialisation which help them to enhance employability, take part in online courses and summer /winter internship at IITs /NITs and various research organisations. She has also advised the students to work hard and build strong resume before appear for the placement. Student's queries were also answered on the occasion. At the end, all the students have expressed satisfaction for organising such program.

Conference, STTP and Guest Lectures organized in Department

Sno.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1	Technical Talk on "Recent Trends in The Micro-controllers & Internet of Things "	Mr. Rajendra Khope, Founder & CEO, ioCare, Pune	One day	12th September 2020

Students' Corner

Student Achievements

Student's Placement 2021 batch

Sr. No.	Name	Name of Industry
1.	Omkar Tokekar	Birlasoft
2.	Pruthvi Akasha Jaiswal	Birlasoft
3.	Nandini Patodia	DXC Technology
4.	Anjali Anil Kulthe	Tata Consultancy Services

Internship student's list

S. No.	Name of the student	Sem.	Institute/Organization/ Industry	Date	Duration
1.	Ashish Tripathi	IV	Intellisuite IT Solutions	01/06/2020 to 31/07/2020	2 Months
2.	Shiv Kumar Yadav	IV	Intellisuite IT Solutions	01/06/2020 to 31/07/2020	2 Months
3.	Pratik Bhatia	IV	Intellisuite IT Solutions	01/06/2020 to 31/07/2020	2 Months
4.	Sarthak Shrivastava	IV	CSTEP, Bangalore	29/04/2020 to 19/06/2020	6 Weeks
5.	Priyanka Maske	IV	Innovistics Tech (Under RCOEM TBI Foundation)	24/06/2020 to 05/08/2020	6 Weeks
6.	Sanyam Chandak	V	Climber Knowledge and Careers Pvt. Ltd.	01/07/2020 to 31/07/2020	1 Month
7.	Krutika Paliwal	V	Climber Knowledge and Careers Pvt. Ltd.	01/07/2020 to 31/07/2020	1 Month
8.	Vedant Vyas	V	Climber Knowledge and Careers Pvt. Ltd.	02/07/2020 to 01/08/2020	1 Month

Students in Higher Studies

Ms. Vaibhavi Bard recently passed out student in Summer2020 has been selected for MBA program at IIM Bodh Gaya, Bihar.

Department of Industrial Engineering

Faculty Corner

Guest Lectures taken by faculty

Sr. No.	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
1.	Dr. Rashmi Shahu	SWOT analysis	23 rd September 2020	Tuli College, Nagpur
2.	Dr. Rashmi Shahu	Personality Development	21 st September 2020	ROTRACT, Nagpur

Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal/Conference/Book	Date of Conference / Publication	ISSN /ISBN	DOI, vol., Iss., pp	SCI/ Scopus/ ICI / Other (index)
1.	Prof. Mangesh Joshi and Dr. Vishwas Deshpande	“Investigative study and sensitivity analysis of Rapid Entire Body Assessment (REBA)”	International Journal of Industrial Ergonomics (SCI indexed), Elsevier	September 2020		Volume 79	(SCI indexed)
2.	Dr. Rashmi Shahu	Manpower Productivity Improvement in manufacturing industry using Industrial Engineering tools	International Journal of mechanical and Production Engineering Research and Development	July 2020	2249-6890, 2249-8001	Vol10, Iss 3	Scopus

STTP/FDP/other Training Attended by Faculty

S No.	Name of Faculty	STTP/FDP/ Training Attended	Duration/Date	Organizers of the event
1.	Prof. Rakshal Agrawal	FDP	10 th -21 st August, 2020	E&ICT Academy, NIT Patna & E &ICT Academy, MNIT Jaipur, IIT Guwahati and IIT Roorkee
2.	Prof. Rakshal Agrawal	FDP	21 st September to 25 th September 2020	ATAL

S No.	Name of Faculty	STTP/FDP/ Training Attended	Duration/Date	Organizers of the event
3.	Prof. Mangesh Joshi	Short term training course	13 th August 2020	Energy Literacy Drive of the Energy Swaraj Foundation in association with Shri Ramdeobaba College of Engineering and Management, Nagpur
4.	Dr. A. Madankar	Short term training course	24 th to 28 th August 2020	SRM Institute of Science and Technology, TN.
5.	Dr. Yogesh Deshpande			
6.	Dr. Sachin Pund			
7.	Prof. Rakshal Agrawal	FDP	August 2020	ATAL

Following are the online COURSERA courses done by Faculty members of Department:

SN	Name of Faculty	Course name	University/Organizer
1.	Prof. Rakshal Agrawal	Six Sigma Advanced Define and Measure Phase	Kennesaw State University
		Six Sigma Advanced Analyse Phase	
		Six Sigma Advanced Improve and Control Phase	
		Six Sigma Green Belt	University System of Georgia
		The hidden value – Lean in manufacturing and services	Boston Consulting Group
		Data Analytics for Lean Six Sigma	University of Amsterdam
2.	Prof. Mangesh Joshi	Programming for Everybody (Getting Started with Python)	University of Michigan
		The hidden value – Lean in manufacturing and services	Boston Consulting Group
		R Programming	Johns Hopkins University
		AI For Everyone	
		Software Processes and Agile Practices	University of Alberta
		Data Analytics for Lean Six Sigma	University of Amsterdam
		Python Basics	University of Michigan
		Python Data Structures	University of Michigan
		Six Sigma Yellow Belt	University System of Georgia
		Six Sigma Principles	
		Six Sigma Tools for Define and Measure	
2.	Prof. Mangesh Joshi	Six Sigma Tools for Analyze	University System of Georgia
		Six Sigma Tools for Improve and Control	
		Six Sigma Green Belt	University System of Georgia
		Six Sigma and the Organization (Advanced)	
		Six Sigma Advanced Define and Measure Phase	
		Six Sigma Advanced Analyse Phase	
		Six Sigma Advanced Improve and Control Phase	

SN	Name of Faculty	Course name	University/Organizer
		Introduction to Data Science	IBM
		What is Data Science?	
		Tools for Data Science	
		Data Science Methodology	
		Databases and SQL for Data Science	
		Applied Data Science	IBM
		Python for Data Science and AI	
		Data Analysis with Python	
		Data Visualization with Python	
		Applied Data Science Capstone	
		IBM Data Science Professional	IBM
		Executive Data Science	Johns Hopkins University
		A Crash Course in Data Science	
		Building a Data Science Team	
		Managing Data Analysis	
		Data Science in Real Life	
		Executive Data Science Capstone	
		Machine Learning with Python	IBM
		Analyze Box Office Data with Plotly and Python	Rhyme
		Introduction to Project Management	Rhyme
		Create Your First Python Program	Rhyme
		Supply Chain Analytics	Rutgers University

Faculty Achievements

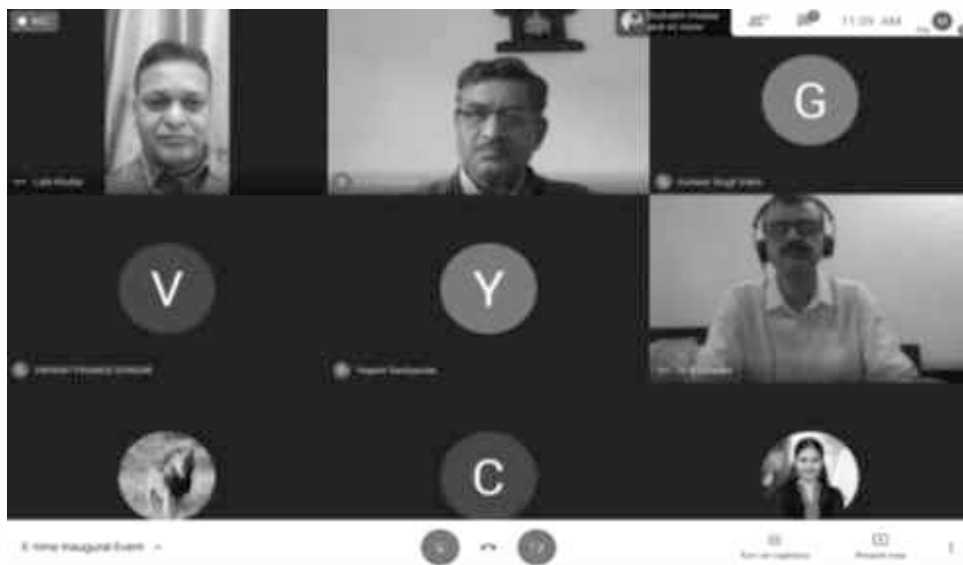
1. Prof. Mangesh Joshi developed his own YouTube channel “Untwisted Learning” on 27th August 2020 and added his own videos related to Data science and python programming.
2. **Prof. Mangesh Joshi** has reviewed the article ID **20M-08-593** with title **Development Model of the Surface Roughness in Grinding Processes of Regular Issue** for Advances in Science, Technology and Engineering Systems Journal (SCOPUS) on 17th August 2020.
3. **Prof. Mangesh Joshi** has reviewed the article ID **20M-08-593** with title **Development of the Surface Roughness Model in Grinding Processes of Regular Issue** for Advances in Science, Technology and Engineering Systems Journal (SCOPUS) on 22nd September 2020.
4. **Prof. Mangesh Joshi** has reviewed the article ID **20M-08-685** with title **Examination of a skill sampling method of an athlete using the athlete's movement and eye movement for the development of an AI coach of Special Issue** for Advances in Science, Technology and Engineering Systems Journal (SCOPUS) on 9th September 2020.

5. **Prof. Mangesh Joshi** has reviewed the article ID **20M-08-663** with title **The Impact of Innovation on the Performance of Manufacturing Enterprises in Vietnam** of **Special Issue** for **Advances in Science, Technology and Engineering Systems Journal (SCOPUS)** on 8th September 2020.
6. **Prof. Mangesh Joshi** has reviewed the article **“Evaluation of newly developed easy-open assistive devices for pneumatic tube system carriers for the reduction of work-related musculoskeletal disorders”**, for **BioMed Research International (SCI indexed)** journal on 24th September 2020.

Departmental Activities

National Level Online Student's Paper Presentation ETIME-2020

National Level Online Student's Paper Presentation on Evolving Trends in Industrial and Mechanical Engineering, ETIME-2020 was organized by Department of Industrial Engineering, Shri Ramdeobaba College of Engineering and Management (RCOEM), Nagpur in association with Indian Institution of Industrial Engineering (IIIE), Nagpur Chapter. The event was planned through Google meet, held on 25th July 2020. The main objectives of this forum was to provide a platform for UG, PG and PhD scholars to exhibit their technical talent in the form of innovative paper presentation, to create a collaboration among various academic Institutions and to update knowledge in the recent technologies. The online-inauguration program was started with Saraswati vandana and welcome note. The objective of event was presented by Dr. Yogesh Deshpande, Organizing Secretary, ETIME-2020. Dr. V. S. Deshpande, Convener, ETIME-2020 and Head of Industrial Engineering Department motivated the participants and wished them luck for the competition. Dr. Lalit Khullar, Chief Guest of program and Director, Tirpude Institute of Management Education, Nagpur shared his experience concerning for online education system and appreciated for online conduction of such program. Dr. Rajesh S. Pande, Principal, RCOEM, congratulated the Industrial Engineering Department and IIIE, Nagpur chapter for organizing such program in current situation of pandemic and wished participants best luck. The inauguration ended by vote of thanks by IES Secretary Mr. Harsh Tiwari. The participants were then asked to join their respective groups by the Google meet. The papers in each group- Mechanical Design, Industrial and Production Engineering, Manufacturing, Measurement-Control, Thermal and Automobile Engineering were evaluated by Judges. The program was concluded by announcing two best paper-awards along with presentation titles from each group. Consolation prize was also given to four papers, one from each group. The program was anchored by Gurbeer Singh Sokhi, executive member, IES.

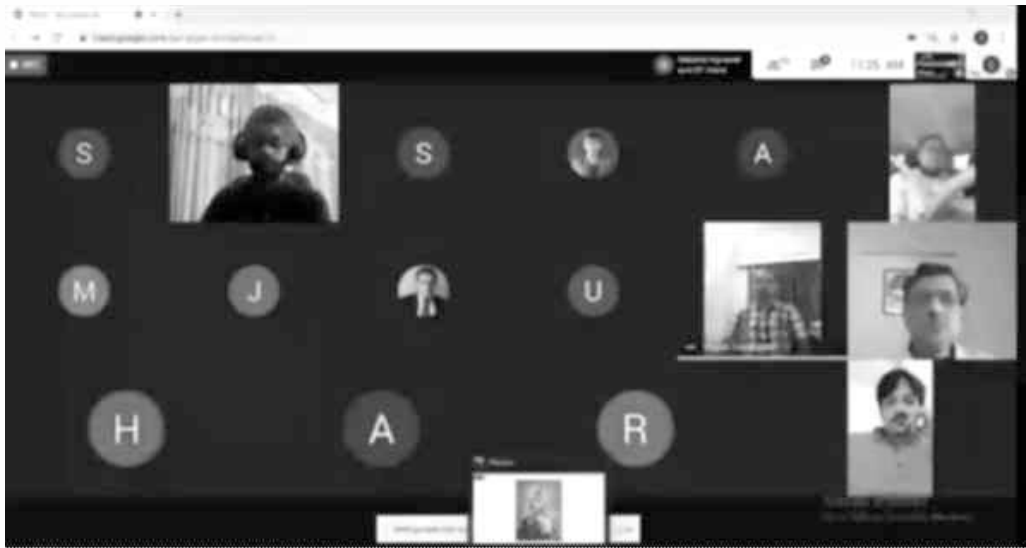


Teachers Day Celebration

On 5th September 2020, Students' society of Industrial Engineering Department (IES) organized online Teacher's Day function. The program began with a tribute to late Prof. Dr. Sanjay Randiwe.

Students of 2nd year gave musical performances given which highly mesmerizing for teachers. Students expressed their love and respect for teachers with a poems and songs.

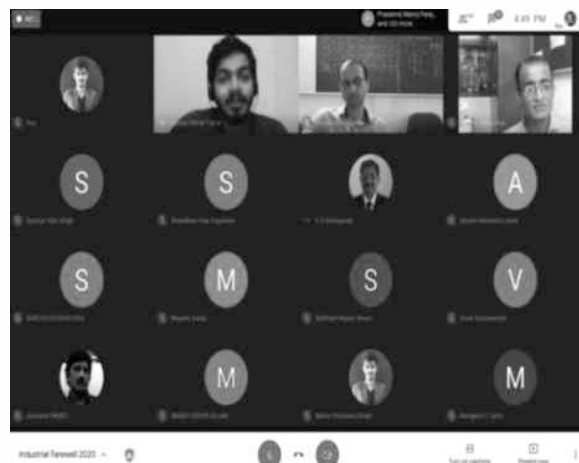
Faculty members also participated in open mic session. The event was concluded with a vote of thanks, given by Mr. Meher Shantanu Singh, Secretary of Industrial Engineering Society-IES.



IES Farewell Function

On 29th September 2020, Industrial Engineering Society (IES) organized Formal Farewell Program for the Batch of 2016-2020 which was conducted on an online platform. The program started with Saraswati Vandana. Opening remark presented by Dr. Yogesh Deshpande, Faculty In-charge, IES and congratulated the students. Dr. V. S. Deshpande, HOD, Industrial Engineering motivated the students to nourish their knowledge in such situation. Faculty members including Dr. D. R. Zanwar, Dr T. A. Madankar, Prof. V. P. Suryavanshi and Prof. M. P. Joshi congratulated and gave their blessing to the students.

A small video clip was presented to rewind the memories of final year students. The event was then followed by musical performances of students of 2nd and 3rd years. At the end, student of final year also expressed their gratitude to the department for the support and continued motivation. The program concluded with the vote of thanks, given by Mr. Meher Shantanu Singh, Students' Secretary, IES.



Students' Corner

Student Achievements

S No.	Name of Student	Event Type	Event Name	Organizing Agency	Achievement	Date
1.	Aarushi Nagpure, Siddhika Chauhan Pranav Nimkar and Sanjay Virani	An Approach to Indian Telecom Arena using Markov Chain Analysis	Evolving trends in industrial and mechanical engineering 2020	Department of Industrial Engg. and IIE Nagpur Chapter.	Secured 2 nd position	25-07- 2020
2.	Aayush Bisani	Online courses	Spanish Vocabulary: Sports, Travel and the Home	Coursera- University of California, Davis	Coursera	25-07- 2020
		Online courses	Speak English Professionally: In person, online and on the phone	Coursera- Georgia Institute of Technology	Course completion	19-09- 2020
		Online courses	Excel Skills for Business: Essentials	Coursera- Macquarie University	Course completion	12-09- 2020
		Online courses	Six Sigma Tools for Improve and Control	Coursera- Kennesaw State University	Course completion	04-09- 2020
		Online courses	Six Sigma Yellow Belt specialization	Coursera- Kennesaw State University	Specialization completion	04-09- 2020
		Online courses	Introduction to Psychology	Coursera- University of Toronto	Course completion	31-08- 2020
		Online courses	Spanish Vocabulary: Cultural Experience	Coursera- University of California, Davis	Course completion	02-08- 2020
		Online courses	Six Sigma Tools for Analyze	Coursera- Kennesaw State University	Course completion	01-08- 2020
		Paper presentation	National Level Online Student's Paper Presentation	IIIE and RCOEM	Participated	25-07- 2020
		Online courses	Six Sigma Tools for Define and Measure	Coursera- Kennesaw State University	Course completion	30-07- 2020

		Online courses	Six Sigma Principles	Coursera- Kennesaw State University	Course completion	27-07-2020
		Online courses	Spanish Vocabulary : Meeting People	Coursera- University of California, Davis		05-07-2020
		Online courses	Advanced Styling with Responsive Design	Coursera- University of Michigan	Course completion	01-07-2020
2.	Abhijit Shirish Rajurkar	Online courses	"Learn to Design your own Solar Home System".	Energy Swaraj Foundation	completed	07-07-2020
		Online courses	Machine Learning for Data Analysis	Coursera	completed	20-09-2020
		Online courses	Data Management and Visualization	Coursera	completed	22-09-2020
		Online courses	Engineering Project Management: Risk, Quality,	Coursera	completed	22-09-2020
		Online courses	Teams, and Procurement	Coursera	completed	22-09-2020
		Online courses	Introduction to Big Data	Coursera	completed	09-08-2020
		Online courses	Introduction to Big Data	Coursera	completed	16-09-2020
		Online courses	Python for Everybody	Coursera	completed	22-07-2020
		Online courses	Introduction to Structured Query Language (SQL)	Coursera	completed	21-07-2020
		Online courses	Data Analysis Tools	Coursera	completed	21-09-2020
		Online courses	Project Management: The Basics for Success	Coursera	completed	21-09-2020

3.	Abhiram Shrikant Pande	Online courses	Using COVID-19 data to make supply chain logistics decisions in spreadsheets	Coursera	completed	27-08-2020
		workshop	Fit India freedom run	Government of India Ministry of youth affairs and sports	Participated	22-09-2020
5.	Aditi Sharma	Online courses	workplace meeting : you can speak up at meeting	Udemy	completed	19-06-2020
		MUN impetus	MUN	AIESEC	Participated	11-07-2020
		Online courses	the basic of success	Coursera	completed	20-06-2020
		Online courses	how to convert challenges into opportunity	Coursera	Participated	03-06-2020
		Online courses	trading basics	Coursera	Attended	12-06-2020
		Online courses	Advance trading algorithms	Coursera	Attended	19-06-2020
		Online courses	Trading algorithms	Coursera	Participated	12-06-2020
		Online courses	project management :	Coursera	completed	20-06-2020
6.	Aditya Prashant Gosewade	Online Class	Python Basics	White Hat Jr	Participated	09-10-2020
		Online Class	Bonds and Stocks	Coursera	Completed	24-09-2020
		Online Class	Programming for Everybody (Getting Started with Python)	Coursera	Completed	23-09-2020
		Workshop	YOUTH EMPOWERMENT SUMMIT	AIESEC IN NAGPUR	Participated	23-08-2020
		Online courses	Graphic Design Course	MY CAPTAIN	Completed	29-06-2020

		Workshop	College v/s Professional Life	Rotaract	Participated	12-08-2020
		Online courses	Learn to Design your own Solar Home System	Energy Swaraj Foundation	Completed	09-08-2020
		Workshop	IMPETUS MUN2.0	AIESEC in Nagpur	Participated	12-07-2020
6.	Aditya Prashant Gosewade	Workshop	Securing Exclusive World Wide Rights to Your Inventions via Patents	Chemistry Department, RCOEM, Nagpur	Participated	28-05-2020
		Online courses	Creating Web Pages	University of North Georgia	Completed	18-06-2020
		Workshop	Verilog and System Verilog for Beginners	RCOEM, Nagpur	Participated	28-05-2020
		Workshop	Resume writing and Interview Techniques	Mechanical Engineering Department, RCOEM, Nagpur	Participated	22-05-2020
		Workshop	First Aid in Electrical Mishaps	Electrical Engineering Department, RCOEM, Nagpur	Participated	19-05-2020
		Workshop	India First Leadership Talk	MHRD's INNOVATION CELL (Government of India)	Participated	09-05-2020
		Workshop	Industrial IoT-Current Scenario and Future Ahead	Electronics Engineering Department, RCOEM, Nagpur	Participated	09-05-2020
7.	Ajit Shrivastava	online courses	Spoken tutorial	MHRD, India	Participated	20-07-2020
8.	Anshuman Prajapati	online courses	Fusion 360	Coursera	Completed	12-09-2020
		online courses	Bonds & Stocks	Coursera	Completed and got a Certificate	23-09-2020
		online courses	Design Thinking for Innovation	Coursera	Completed	26-09-2020

		online courses	"Learn to Design your own Solar Home System"	Energy Swaraj foundation	Completed	24-07-2020
		Participate and complete	Fit India freedom run	Government of India Ministry of Youth Affairs and Sports	Participated	28-09-2020
9.	Arya Lokhande	Webinar	Global leadership and virtual conference	AIESEC	Attended	14-06-2020
		Webinar	Opportunities in DRONE technology post COVID- 19	Cresolve Aviation, Nagpur	Attended	27-05-2020
		Summit	Youth empowerment summit	AIESEC	Organized	22 nd and 23 rd August 2020
		Webinar	College vs Professional life	Rotaract, Nagpur	Attended	12 th August 2020
10.	Aryaa Joshi	Online courses	Responsive Website Basics: Code with HTML, CSS and JavaScript	Coursera	completed	18-09-2020
		Online courses	Six Sigma Principles	Coursera	completed	19-07-2020
		Online courses	Software Processes and Agile Practices	Coursera	completed	23-09-2020
		Online courses	Programming for Everybody (Getting Started with Python)	Coursera	completed	25-08-2020
		Online courses	Singing Popular Music	Coursera	completed	29-07-2020
11.	Ashrut Heda	Online courses	Corporate Financial Decision Making	Coursera	completed	06-08-2020

		Online courses	Introduction To Software Product Management	Coursera	completed	30-06-2020
		Online courses	Supply Chain Logistics Decision	Coursera	completed	27-08-2020
11.	Ashrut Heda	Online courses	The Language And Tools Of Financial Analysis	Coursera	completed	16-07-2020
		Online courses	The Role Of Global Capital Markets	Coursera	completed	04-08-2020
12.	Atharva Ketkar	Online courses	Leadership and Emotional Intelligence	Coursera	completed	12-08-2020
13.	Ayush Kumar	Online courses	Advanced Business Analytics	Coursera	completed	15-09-2020
		Online courses	Supply Chain Management,	Coursera	completed	24-06-2020
		Online courses	Supply chain analytics	Coursera	completed	29-06-2020
		Online courses	Six sigma yellow belt	Coursera	completed	18-09-2020
14.	Bushra Haque	Online courses	The Data Science Course 2020: Complete Data Science Bootcamp	Udemy	Course Completed	09-10-2020
		workshop	Discrete Event Modeling, Simulation & Optimization For Production Planning and Control, Industrial Engineering & Mgmt., Supply Chain Mgmt., Manufacturing Automation, Operations Research using Witness Horizon	India Soft Technologies Ltd.	Attended	04-09-2020

S No.	Name of Student	Event Type	Event Name	Organizing Agency	Achievement	Date
15.	Davendar Singh	Online courses	ISB, YALE UNIVERSITY, IESE	Coursera	Completed	16-06-2020
		Online courses	ISB	Coursera	Completed	26-07-2020
16.	Dhanashree Garudkar	Paper presentation	ETIME 2020	Department of Industrial Engg. and IIE Nagpur Chapter.	Secure 2nd position	25-07-2020
17.	Divya Rathi	online courses	Fundamentals of Graphic Design	Coursera	completed	13-06-2020
		online courses	AI for everyone	Coursera	completed	04-07-2020
		online courses	Design Thinking for Innovation	Coursera	completed	19-07-2020
		online courses	Advanced Writing	Coursera	completed	20-06-2020
		Poetry competition	KAVYAKOSH	KAVYAKOSH	Secured third position	06-07-2020
		Poetry competition	KAVITA pratiyogita	Rotaract	Participated	14-09-2020
		Poetry competition	Online poetry completion	The HOUSE of talents	Participated	07-06-2020
18.	Faizan sheikh	online courses	Online course/ webinar	Coursera	Completed	12-06-2020
19.	Kankshita Hatwar	online courses	Programming Foundations with Javascript, HTML and CSS	Duke university	Attended	10-10-2020
20.	Kashish Vinod Wanjari	online courses	Developing Your Musicianship	COURSERA	completed	02-09-2020
		online courses	Design Thinking for Innovation	COURSERA	completed	25-09-2020
		online courses	Introduction to Mechanical Engineering Design and Manufacturing with Fusion 360	COURSERA	completed	02-09-2020

S No.	Name of Student	Event Type	Event Name	Organizing Agency	Achievement	Date
20.	Kashish Vinod Wanjari	online courses	Bonds & Stocks	COURSERA	completed	23-09-2020
		online courses	"Learn to Design your own Solar Home System".	The Energy Swaraj Foundation in association with Shri Ramdeobaba College Of Engineering And Management, Nagpur.	completed	09-08-2020
		online courses	DEVELOPING YOUR MUSICIANSHIP	COURSERA	completed	02-09-2020
21.	Kishan Taori	online courses	Supply chain sourcing	COURSERA	completed	13-08-2020
		online courses	Six sigma advanced analyse phase	COURSERA	completed	12-08-2020
		online courses	Web	COURSERA	completed	12-10-2020
		online courses	Web	COURSERA	completed	12-10-2020
22.	Mithilesh Bhutada	online courses	Six Sigma Principles	COURSERA	completed	29-06-2020
		online courses	Six sigma Tools for Define and Measures	COURSERA	completed	02-07-2020
		online courses	Programming Fundamentals	COURSERA	completed	25-08-2020
		online courses	Digital Marketing	Arhha	completed	22-07-2020
		internship	Quality management	Venkatesh cotton industries	Participated	02-07-2020
23.	Parag Gawate	Online courses	German language	Udemy	Certificate	16-07-2020
24.	Samrat Betal	Paper presentation	ETIME 2020	Department of Industrial Engg. and IIE Nagpur Chapter.	Participated	25-07-2020

S No.	Name of Student	Event Type	Event Name	Organizing Agency	Achievement	Date
24.	Samrat Betal	Paper presentation	ETIME 2020	Department of Industrial Engg. and IIE Nagpur Chapter.	Participated	25-07-2020
		online course	Simulation Analysis for Mechanical Engineers with Autodesk Fusion 360	Coursera	Completed	06-07-2020
25.	Sanchit Kedar and Aarushi Nagpure	Study and Validation of Body Postures for Designing the Workstation for Manual Stitching of Mattresses through RULA and REBA	Evolving trends in industrial and mechanical engineering 2020	Department of Industrial Engg. and IIE Nagpur Chapter.	Secured 1st position	25-07-2020
26.	Saurabh Hurkat	paper presentation .on "Design and Development of Eco-friendly Minimum Quantity Lubrication (MQL) System",	ETIME-2020	Department of Industrial Engg. and IIE Nagpur Chapter.	Participated	25-07-2020
			Six Sigma Principles			17-08-2020
			Brand and Product Management			17-08-2020
			Learn to design your own Solar	Energy Swaraj Foundation		29-07-2020
27.	Shantanu Awachat	Online Debate competition	Impetus Modal United nations	AIESEC	Won best delegate award	12-07-2020
		Online Debate competition	Finance and stock marketing	My captain	Attended	30-06-2020
28.	Shashank Deshmukh	online courses	online courses	Coursera	Completed	08-08-2020

S No.	Name of Student	Event Type	Event Name	Organizing Agency	Achievement	Date
28.	Shashank Deshmukh	online courses	online courses	Coursera	Completed	08-08-2020
29.	Shashank Deshmukh	online courses	Energy Literacy	Swaraj Foundation	Participated	29-09-2020
30.	Shruti Raut and Kishan Taori	Value Engineering for Pressed Component in M.S.M.E (Micro Small Medium Enterprise)	ETIME-2020	Department of Industrial Engg. and IIE Nagpur Chapter.	Participated	25-07-2020
31.	Siddhant Binani	Online courses	The fundamentals of Digital Marketing	Google	Completed	19-06-2020
		Online courses	Personality Development Personal Transformation Course	TJ Walker & Udemy	Completed	19-06-2020
		Webinar	College vs Professional life	Team DevScript	Attended	12-08-2020
		poem writing competition	KAVITA Pratiyogita	Rotary club of RCOEM	Secured second position	14-09-2020
		Webinar	Online education - Problems & Prospects	Hindi Mahavidyalaya, Hyderabad	Attended	17-08-2020
		Internship	Content Writing Internship	Alentar Electric	Participated	22-08-2020
32.	Sudhanshu Sukhdeve	online courses	online courses	Coursera, LinkedIn Learning	Completed	0020-09-30
33.	Sugam Chowdhary	online courses	The fundamentals of Digital Marketing & The Complete 2020 PHP Full Stack Web Developer Bootcamp	Google digital Garage & Udemy	Course Completed	19-06-2020

S No.	Name of Student	Event Type	Event Name	Organizing Agency	Achievement	Date
33.	Sugam Chowdhary	Workshop	Live Game Development using JavaScript	Department Of Electronics & Communication Engineering RCOEM	Participated	09-06-2020
		Workshop	College Vs Professional Life	DevScript	Attended	12-08-2020
		Online courses	HTML, JavaScript, & Bootstrap - Certification Course	Udemy	completed	07-06-2020
34.	Sulbha Rathi	Online courses	Data Structure and Algorithms Using Java	NPTEL	Going on	12-09-2020
		Online courses	Engineering Project Management: Initiating and Planning	Coursera	Participated	04-06-2020
		Online courses	PHP Full Stack Web Developer Boot camp	Coursera	Attended	19-06-2020
35.	Tanmay Wasu	Online courses	Gear Train Design using Autodesk Inventor	Skyfi Labs	Completed online course	15-08-2020
		Internship	Internship of Sales And Marketing	MyCaptain(By The Climber)	Completed Internship	31-01-2020
		Workshop	Workshop on Aptitude Development	RCOEM	Attended	29-12-2019
		Online courses	C Language	Spoken tutorial (IIT Bombay)	Completed online course	19-12-2019
		Online courses	Advanced CPP	Spoken Tutorial (IIT Bombay)	Completed online course	19-12-2019
		Olympiad Paper	National Engineering Olympiad 2.0	National Engineering Olympiad	Participated	24-11-2019

S No.	Name of Student	Event Type	Event Name	Organizing Agency	Achievement	Date
35.	Tanmay Wasu	Workshop	Find your Ikigai with operations and supply chain management	Skill Lync	Attended	04-05-2020
36.	Tanu Agrawal	Training	Digital Marketing	Internshala	Attended	24-09-2020
37.	Tanvi Bhatt	online courses	Supply Chain Analytics	Coursera	Completed the course	14-08-2020
38.	Tegveer Singh Puni	online courses	Data Analysis Tools	Coursera	Completed	19-09-2020
		online courses	Capstone: Retrieving, Processing, and Visualizing Data with Python	Coursera	Completed	12-09-2020
		online courses	Using Python to Access Web Data	Coursera	Completed	11-09-2020
		online courses	Regression Modeling in Practice	Coursera	Completed	19-09-2020
		online courses	Programming for Everybody (Getting Started with Python)	Coursera	Completed	11-09-2020
		online courses	Project Management: The Basics for Success	Coursera	Completed	25-09-2020
		online courses	Mastering Data Analysis in Excel	Coursera	Completed	16-06-2020
		online courses	Machine Learning for Data Analysis	Coursera	Completed	19-09-2020
		online courses	Introduction to Big Data	Coursera	Completed	17-09-2020
		online courses	Data Management and Visualization	Coursera	Completed	18-09-2020

S No.	Name of Student	Event Type	Event Name	Organizing Agency	Achievement	Date
39.	Tejas Joshi	Internship	FRONTED DEVELOPER	MRSOYA	Participated	10-08-2020
40.	Vaishnavi Soni	online courses	Design your own Solar Home System	Energy Swaraj Foundation, IIT Bombay	Attended	02-08-2020
41.	Vaishnavi Soni, Dhanashree Garudkar, Omkar Kshirsagar and Himanshu Chandak	Paper presentation on ""Designing and Facilitating the Garbage Bin - A Review	Evolving trends in industrial and mechanical engineering 2020	Department of Industrial Engg. and IIE Nagpur Chapter.	Secured 1st position	25-07-2020
42.	Vidhi Agrawal	Online courses	fundamentals of graphic design	Coursera	completed	09-06-2020
		Online courses	Design Thinking for Innovation	Coursera	completed	19-06-2020
43.	Yadnesh Abhaykumar Kuthe	Online courses	Project Management: The Basics for Success	Coursera	completed	23-09-2020
		Online courses	Using Databases with Python	Coursera	completed	24-09-2020
		Online courses	Python for Everybody	Coursera	completed	24-09-2020
		Online courses	Regression Modeling in Practice	Coursera	completed	21-09-2020
		Online courses	Data Management and Visualization	Coursera	completed	21-09-2020
		Online courses	Machine Learning for Data Analysis	Coursera	completed	21-08-2020
		Online courses	Mastering Data Analysis in Excel	Coursera	completed	21-09-2020
		Online courses	Data Analysis Tools	Coursera	completed	21-09-2020

S No.	Name of Student	Event Type	Event Name	Organizing Agency	Achievement	Date
43.	YADNESH ABHAYKUMAR KUTHE	PAPER PRESENTATION (ETIME)	Evolving Trends in Industrial and Mechanical Engineering (ETIME-2020)	Department of Industrial Engineering, Shri Ramdeobaba College of Engineering and Management (RCOEM)	Participated	25-07- 2020

Department of Information Technology

Faculty Corner

STTP/FDP/other Training Attended by Faculty

S No.	Name of Faculty	Course Name	Duration/Date	Organizers of the event
1.	Dr. P. D. Adane	Smart Contracts	8 th June to 6 th July	Coursera

Departmental Activities

Conference, STTP and Guest Lectures organized in Department

Sno.	Guest Lectures	Speaker (with Affiliation)	Duration	Date
1.	Guest Lecture on Resume Writing	Ms. Shubhada Jambhekar, Assistant Manager (HR, Operations), Torana Inc. Nagpur (Alumnus of IT Department)	1 Hour	26 th September 2020
2.	Guest Lecture on Careers in Security Engineering	Apoorv Munshi, Cloud Security Engineer, Amazon.com, Seattle, USA (Alumnus of IT Department)	1.5 Hours	19 th September 2020
3.	Mentoring of Third year students on Interview skills	Mr. Sarang Devikar, Service Excellence Lead, TietoEVERY, India	1 Hour	18 th September 2020
4.	Guest Lecture on IT of Business and Business of IT	Mr. Anant Agrawal, Managing Director, Skill Mine, Mumbai, India	1 Hour	16 th September 2020
5.	Guest Lecture on Getting Industry Ready	Mr. Sarang Devikar, Service Excellence Lead, TietoEVERY, India	1 Hour	12 th September 2020
6.	Guest Lecture on How to prepare for IT Companies	Raunak Singhvi, Member of Technical Staff2, VMware, India (Alumnus of IT Department)	1 Hour	22 nd August 2020

Students' Corner

Toppers List

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

Sno.	Name of Student	Event	Achievement	Date
1.	Bhumika Manoj Gajrani	Test your Grammar Skills organized by Priyadarshini College of Engineering, Nagpur	Outstanding Performance in E quiz	22-08-2020
2.	Faisal Budhwani	Published Paper titled "Impact of Artificial Intelligence on Indian Economy" in Seybold Journal	SCOPUS Indexed	Volume 15 - Issue 8 - 2020
3.	Girish Agrawal			
4.	Gaurav Agrawal			
5.	Manish Singh			
6.	Shivam Dhakate			
7.	Sudarshan Ahir			
8.	Riddhi Tripathi			
9.	Nitin Agrawal			
10.	Bharti Chelani			
11.	Sanchit Rabadey			
12.	Aayushi Shrawagi	Published Paper titled "E-commerce and COVID-19: Dawn of a Digital Era" in Seybold Journal	SCOPUS Indexed	PAPER ID:SBR/0820-302, Volume 15 - Issue 8 - 2020

STUDENTS' ACCOMPLISHMENTS:

S.No.	Date of event	Name of Course	Name of Students	Details of Activity
1.	1 st May- 1 st July 2020	Internship Program in Machine Learning	Aayushi Shrawagi	Two Months Internship at Verzoo
2.	August 2020	Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning	Aayushi Shrawagi	Online non-credit course authorized by DeepLearning. AI and offered through Coursera
3.	August 2020	Using Python to Interact with the Operating System	Aayushi Shrawagi	Online non-credit course authorized by Google and offered through Coursera

TEACHERS' ACCOMPLISHMENTS:

- Dr. P. D. Adane published a copyright on "Global systems for Mobile Communications (GSM) on 1/10/2020.
- Dr. P. D. Adane Filed a copyright on "Mobile IP" on 13/08/2020.
- Prof. P. J. Assudani has become 'Microsoft Certified official Trainer (MCT)'.
- Prof. P. J. Assudani has become 'Microsoft Certified Azure Admin Associate' by clearing the certification exam of the same from Microsoft.

BEYOND ACADEMICS:

- 41.79% of 2020-21 Batch eligible IT students got placed through campus drive till 19/10/2020.
- Top IT companies like Principal Global, DXC Technologies, Birlasoft, Persistent, Infosys, Hexaware and TCS selected 28 students from the Department.
- The placement details of department for the session 2019-20 are as follows:

Sr. No.	Company Name	No. of Offers
1.	Principal Global	3
2.	DXC Technologies	9
3.	BirlaSoft	15
4.	Persistent	4
5.	Infosys	3
6.	Hexaware	1
7.	TCS	2

Department of Applied Chemistry

Faculty Corner

Awards received by Faculty of department

Sr. No.	Name of Faculty	Award Received	Awarded By
1.	Dr. A.V. Bharati	Certificate of honour in recognition of National/ International Professional Excellence, High Impact contribution & Technical Oration	Indian Society of Analytical Scientists on 26 th September 2020

Guest Lectures taken by faculty

Sr. No.	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
1.	Dr. A.V. Bharati	Environmental Remediation by Nanomaterials: A photocatalytic approach	29.08.2020	Indian Society of Analytical Scientists
2.	Dr. A.V. Bharati	Nanoscale Chemistry	11.07.2020	Govind Rao Wanjari College of Engineering & Technology, Nagpur

Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal/ Conference /Book	Date of Conference/ Publication	ISSN/ ISBN	DOI, vol., Iss., pp	SCI/ Scopus/ ICI / Other (index)
1.	Dr. C. P. Pandhurnekar	Synthesis , Characterization and antibacterial activity of 1-([6-bromo-2 hydroxy-naphthalen-1-yl]arylphenyl)methyl)-3-chloro-4-(aryl phenyl)-azetid-2-one	J. Heterocyclic Chem. 2020	July 2020	ISSN:1943-5193	https://doi.org/10.1002/jhet.4056	Scopus

STTP/FDP/other Training Attended by Faculty

S No.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1.	Dr. S. M. Meshram	Workshop on Human Universal Values	28.09.2020 to 2.10.2020	AICTE

Departmental Activities

Conference, STTP and Guest Lectures organized in Department

S No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1.	National Webinar on Pandemic Perceptiveness in the post COVID-19 World	<p>Dr. S.U. Meshram (Former Vice Chancellor, North Maharashtra University, Jalgaon)</p> <p>Prof. M.K.N Yenkie (Former Pro-Vice Chancellor, RTM Nagpur University)</p> <p>Shri G. N. Saini, VSM (Former Director, National Fire Service College)</p> <p>Shri K. M. Nandayal Former Director, National Fire Service College)</p>	10:00-12:30	4.07.2020
2.	Covid -19 Pandemic Management – Prevention, care and cure	Dr. Raghaw Saran (Vice President, ISAS)	11:00-12:00AM	25.07.2020

Department of Humanities

Faculty Corner

Guest Lectures taken by faculty

Sr. No.	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
1.	Dr. V. H. Asudani	Effective Communication Skills	31 st July 2020	Anand Niketan College of Agriculture Varora, Dist. Chandrapur.
2.	Dr. M.R. Seth	Covid-19 and its impact on Social Relationship	1 st September 2020	Sambhajirao Kendre Mahavidyalaya Jalkot, Dist. Latur.

Publications/Presentations

SN	Name of the Authors	Title of the Paper	Name of the Journal/ Conference/Book	Date of Conference/ Publication	ISSN/ ISBN	DOI, vol., Iss., pp
1.	Dr. Sonal Paliwal & Dr. Monika R. Seth	Health Belief Model as a framework to modify individual and public health behaviour during COVID-19	International Online Conference "COVID-19: Emergence and Resurgence of Communicable Diseases from Social Sciences Perspectives" Organised by School of Social Sciences & Humanities, University of Science & Technology, Meghalaya, In collaboration with Indian Institute of Technology Guwahati, Indian Sociological Society, University of Delhi, FLAIR and TRIBAC	21-22 July 2020		
2.	Dr. V. H. Asudani and Dr. Monika R. Seth	Dynamics of Post Corona social reality		21-22 July 2020		
3.	Dr. Monika R. Seth and Satyajit S. Uparkar	Evaluation Of Locus Of Control Among Private Banks Employees	The International Virtual Conference on Social Science 2020 "Responses To The Pandemic: Social Protection, Resilience And Community Well-Being" Organised by International Association For Social Science And Humanities (Sri- Lanka)	31 st July 2020		
4.	Dr. Dora Thompson and Dr. Monika R. Seth	Relative Difference In The Personality Traits Of The Children Of Working Mothers And Home Makers	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	4 th July 2020	ISSN (P) : 2249-6890 ISSN (E) : 2249-8001	DOI : 10.24247/ijmperdjun202021 Vol. 10, Issue 3, Jun 2020, 215-2162
5.	Dr. Monika R Seth, Tanay R Dandekar, Dhanada S Kapre, Madhura V Landge, Pranati R Pandey, Simran S Singh	Impact Of Covid-19 On Cyber Security	Journal of Seybold Report	August 2020	ISSN NO: 153 3-9211	VOLUME 15 ISSUE 8 2020 2756-2761

STTP, FDP & other training attended by faculty

S No	Name of Faculty	STTP/FDP/Training Attended	Duration /Date	Organizers of the event
1.	Dr. M. R. Seth	9 th Aug 2020	12 weeks	Coursera (Yale University)
2.	Dr. M. R. Seth	International Webinar on Rethinking Global Equities: Pandemic and People on the Margins On 1 st Aug 2020	01day	IIDS, New Delhi and RLS, South Asia

Department of Physical Education

NATIONAL SPORTS DAY CELEBRATION 29th AUGUST 2020 AAGAAZ 2.0

On the account of National Sports Day, the birth anniversary of hockey legend, Major Dhyan Chand, the Department of Physical Education, RCOEM, organized its 2nd edition of AAGAAZ which is “AAGAAZ 2.0” on 29-30 August for RCOEM students. Due to Covid-19 pandemic, this year AAGAAZ 2.0 was organized through an online medium i.e. on Google meet (<https://meet.google.com/ckk-yipt-tsz>).

The online event was inaugurated on 29th August 2020 by Dr. Sharad Suryawanshi, Director of Physical Education and Sports, RTMNU. We received total **52 registrations** and **total 33 participants** took part in the online event.

AAGAAZ 2.0 includes following events:

1. INDIVIDUAL EVENT for both boys and girls which included 5 levels. On online platform Google meet we conducted these levels.

Sr. no.	For Boys	For Girls
1.	Different kind of push-ups	Knee push-ups
2.	Different kind of squats	Suryanamskar
3.	Different kind of lunges	Different kind of yoga poses
4.	Different kind of crunches	Plank and Squats
5.	Different kind of burpees	Crunches and Burpees
6.	Different kind of plank	Aerobics

These were the different kind of exercises that were included in all the 5 levels.

2. In TEAM EVENT, a team includes 3 boys and 2 girls. The team event comprised of:

Sr. no.	Event
1.	3 min dribbling
2.	21 Suryanamaskar
3.	2 min skipping
4.	Lifting task with one leg in the air
5.	Tongue twister

Individual Events for boys and girls as well as team events were conducted on online platform Google meet. The participants logged in on the given link (link) from multiple cities to participate in this year AAGAAZ 2.0. A remarkable moment took place on 29th August, one of the participants was from Jammu, he was facing network issue but his determination and passion did not stop him from participating as he went from his place to a mountain place where network was more feasible. His passion towards sports was clearly seen through his action and he set a benchmark for everyone stating “if you want to do something nothing can stop you until and unless you don't stop your own self”.



RESULTS OF AAGAAZ 2K20

S.N.	EVENT	PLACE	NAME	SEM.	YEAR	BRANCH
1.	Individual boys	1 st	Omkar Kshirsagar	VII	IV	Industrial
		2 nd	Mihir Mohurle	III	II	Electrical
		3 rd	Kuna Dhakate	III	II	Electronics
2.	Individual girls	1 st	Ritika Raman	III	II	Mechanical
3.	Team event	1 st place	Vedanta Blonde	III	II	Mechanical
			Ritika Raman	III	II	Mechanical
			Kartik Patel	III	II	Mechanical
			Om Masada	III	II	Civil
			Mohit Pawar	III	II	Civil

Department of Physics

Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal/Conference/Book	Date of Conference/Publication	ISSN/ISBN	DOI, vol., Iss., pp	SCI/Scopus/ICI/Other (index)
1.	Dr. Renuka Nafdey	Natural Fiber Reinforced Polymer Composite and Their Tensile Properties- A Review	Letter in Applied Nano Bioscience	July 2020	ISSN 2284-6808	https://doi.org/10.33263/LI-ANBS92.11031110 Volume 9, Issue 2, 2020, 1103 – 1110	SCI Lit

STTP/FDP/other Training Attended by Faculty

S No.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1.	Dr. Renuka Nafdey	One week online faculty development program on “Nanoscience & Nanotechnology- current prospective”	27 July- 1 August 2020	G.H. Raison College of Engineering, Nagpur, Institution of Engineers (India), Nagpur
2.	Dr. Renuka Nafdey	Completed an online 4 Week non-credit course “Mind Control: Managing your mental health during Covid-19”	22 July- 16 August 2020	Authorized by University of Toronto & offered through Coursera
3.	Dr. Renuka Nafdey	Completed 4 week course “Nanotechnology & Nanosensors -Part I	20 June - 18 August 2020	Authorized by TECHNION “Israel University” & offered through Coursera

Faculty Corner Publications

Department of Management Technology

SN	Name of the Authors	Title of the Paper	Name of the Journal/Conference/Book	Date of Conference/Publication	ISSN/ISBN	DOI, vol., Iss., pp	SCI/Scopus/ICI/Other (index)
1.	Dr. KDV Prasad Dr. Rajesh W. Vaidya	Perceived Psychological Wellbeing of an Academician in Higher Education is a Function of Organizational Support, Supervisor Support, Family Support and Social Support during Covid-19 pandemic	International Journal of Management (IJM) IAEME Publication	July 2020	ISSN Print: 0976-6502 and ISSN Online: 0976-6510	Volume 11, Issue 7, pp. 20-34,	Scopus Indexed

STTP/FDP/other Training Attended by Faculty

S No.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1.	Dr. Anup Ranade	Introduction to Data Analytics for Business (online Course)	July 2020	Coursera
2.	Dr. Anup Ranade	Excel Skills for Business – Intermediate 1	August 2020	Coursera

Department of Computer Application

Faculty Corner Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal/ Conference/ Book	Date of Conference/ Publication	ISSN/ ISBN	DOI, vol., Iss., pp	SCI/ Scopus /ICI / Other (index)
1.	Prof. Satyajit S Uparkar, Nalini V. Vaidya, Kalapna G. Lokhande, Priti C. Golar	Application of Data Analytics in Building a Game Theory Model for Social Networking Sites	Emerging Trends in Engineering Research and Technology Vol.7 (Book)	10 th July 2020	978-93-90149-36-0	https://doi.org/10.9734/bpi/etert/v7	
2.	Dr. Monica Seth, Satyajit S. Uparkar	Evaluation of Locus of Control among private banks employees	International Virtual Conference on Social Science 2020	31 st July 2020			Selected for SSCI publication

STTP/FDP/other Training Attended by Faculty

S No.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1.	Satyajit S. Uparkar	FDP on Data Science	20-26, July 2020	Panimalar Institute of Technology, Chennai
2.	Prof. Yoginee Pethe	Workshop on “Software Training on Ruby”	6-11, July 2020	YCCE, Nagpur in Association with Spoken Tutorial IIT Bombay.
3.	Prof. Pranali R. Dandekar			

Students' Corner

Internship Details:

The students of final year MCA have been placed as interns (one Year Internship) in various local and outstation companies. Internship drive was arranged and coordinated by Dr. A. Thakare (Internship In-charge), Prof. K. R. Roy (Dean T & P). All the internship students are paid stipend which ranges from Rs. 5k to Rs. 20k per month. Total 18 students are selected till date.

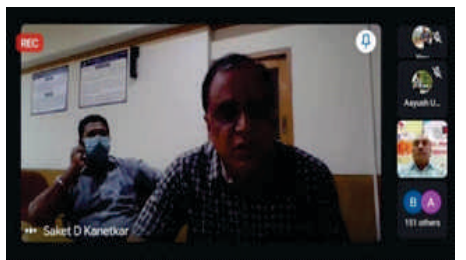
List of Students doing One Year Internship

S. No	Name of Student	Internship Company
1.	Manisha Chandu Chhabita	Elite Back Office
2.	Ashish Mahesh Arora	Elite Back Office
3.	Simran Ramesh Bhaisare	Elite Back Office
4.	Vedanti Vilas Kanere	Elite Back Office
5.	Shubham Anoop Chourasia	Elite Back Office
6.	Vikram Sitaram Rambhad	Elite Back Office
7.	Shivam Ajay Tiwari	Elite Back Office
8.	Ekta Brijesh Suman	Elite Back Office
9.	Bhairavi Andhare	Elite Back Office
10.	Karan Naidu	Great Place IT Services
11.	Shantanu Lilhare	Great Place IT Services
12.	Jagruti Verma	Great Place IT Services
13.	Shivani Agrawal	Great Place IT Services
14.	Renuka Shinde	Tradepath Capital
15.	Dipesh Mishra	Eaton
16.	Vedanti Kanere	Eaton
17.	Renuka Raich	Eaton
18.	Simran Sevlani	Eaton

Quarterly Temple Report

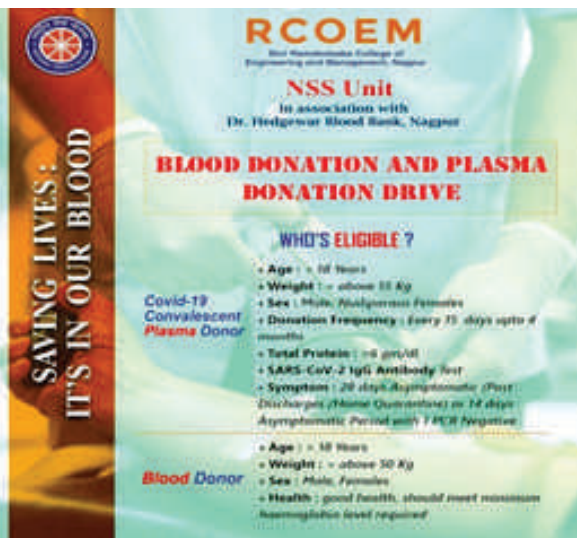
Sr.no	Functions Conducted	Date	Remarks
1.	Sunderkand	14/7/2020	By Shri Radhakrishna Mahila Bhajan Mandal
2.	Baba's Duj	22/7/20	By Ramdev Sur Sangam followed by Churma Prasad.
3.	Baba' Dashmi	29/7/2020	Bhajan by Ramdeo Sur Sangam group
4.	Sunderkand	4/8/2020 11/8/2020 18/8/2020	By Shri Radhakrishna Mahila Bhajan Mandal
6.	Bhadwa Baba's Badi Duj	20/8/2020	Bhajan by Ramdeo Kirtan Sangam group
7.	Badhai	21/8/2020	By Shyam Shubham Group
8.	Baba's Jurna	23/8/2020	By Ujjwal Khakholiya
9.	Ganeshji Sthapna	24/8/2020	Special Festive a replica of Ganesh Tekdi, Nagpur and eco-friendly Idol made up of Alum.
10.	Bhajan Sandhiya	25/8/2020	
11.	Bhajan	26/8/2020	By Smita Ganuwal
12.	Ravi Sati Dadi's Bhajan	27/8/2020	By Ramdev Kirtan Sangam Group
13.	Sunderkand	1/9/2020 8/9/2020 15/9/2020 22/9/2020 29/9/2020	By Shri Radhakrishna Mahila Bhajan Mandal
14.	Bhajan Sandhya	6/9/2020 13/9/2020 20/9/2020	By Ramdeo Kirtan Sangam group
15.	Baba's Duj	18/9/2020	Bhajan by Ramdeo Kirtan Sangam group followed by Churma Prasad
16.	Baba's Dashmi	26/9/2020	Bhajan by Ramdeo Kirtan Sangam group/9/2020

First Rank: Anchal Yadav (Civil II) 2nd Rank Sneha Borikar (CSE II) 3rd Rank: Kimaya Sathawane (Civil II)



NSS blood and Plasma donation Drive

DATE: 24th sept 2020



The foundation day of NSS was celebrated with great enthusiasm even in this pandemic period. A special virtual program was organized by the NSS unit of RCOEM in presence of Mr. Ashokji Patki, head secretary, Dr. Hedgewar blood bank. The plasma donation camp was organized with the guest of honor, Mr. Ashokji and he delivered an informative and knowledgeable session. The importance of this donation camp was effortlessly described by our distinguished guest who would help us in our unforeseeable future to fight the COVID 19 virus. The eligibility criteria and other minor details were provided to us by him and also are described in the poster made by NSS unit. Guest of honor

Mr. Ashok Patki enlightened us about “Plasma and Blood Donation”

The main objective of this program was to create awareness and appeal students and faculty members to give a hand in this beautiful initiative by NSS unit.

Branch Representative Interviews Report

The Interviews for the Branch Representative were held on 26th and 27th of September 2020 on the online platform Google meet. This was an exciting opportunity for the 2nd year students to become the part of NSS unit, we received overwhelming responses and 133 students registered themselves for the Interviews, Total 36 candidates were selected for the post of Branch Representative.



REFLECTION NEWSLETTER

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ENGINEERING AND MANAGEMENT, NAGPUR**

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Shri Ramdeobaba Temple on Campus

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