

IN THIS ISSUE

● IEEE EVENTS	
● Department of Civil Engineering	1-16
● Department of Computer Science & Engineering	6-11
● Department of Electrical Engineering	12-16
● Department of Electronics Engineering	16-20
● Department of Electronics and Communication Engineering	21-26
● Department of Electronics Design and Technology	27-31
● Department of Industrial Engineering	32-35
● Department of Information Technology	35-39
● Department of Mechanical Engineering	40-41
● Department of Chemistry	41
● Department of Humanities	42
● Department of Physics	42-43
● Department of Mathematics	43-44
● Department of Physical Education	45-47
● Department of Computer Applications	48-52
● Department of Management Technology	52-54
● Quarterly Temple Report	55
● NSS	

EDITORS MESSAGE

The lastquarter of the calendar witnesses the celebration of Constitution day and National Unity Day which was celebrated with enthusiasm by staff and students. The online event arrangement was made for staff and all students to avoid mass gathering in the pandemic situation.

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 !!!

IEEE EVENTS

Participation in IEEEExtreme 14.0:

IEEEExtreme 14.0 took place on 24th October, 2020 in the virtual mode. This coding competition saw a participation of 4132 teams from 809 Student Branches of IEEE. IEEE RCOEM Student Branch was also among the student branches which showed an active participation in the competition. Dr. RichaKhandelwal was the proctor for our student branch and Monika Bhole was the IEEEExtreme Ambassador. A total of 6 teams willingly took part from the student branch.

Webinar on “Artificial Intelligence as a Tool for COVID-19 Mitigation:

IEEE RCOEM Student Branch organized a webinar titled “Artificial Intelligence as a Tool for COVID-19 Mitigation” on 28th December, 2020 for duration of 1 hour. The guest speaker of the webinar, Alvaro D. Orjuela-Canon, Principal Professor at Universidad del Rosario, shared his deep knowledge and expertise with the participants on how artificial intelligence is a useful tool during the health crisis. The webinar turned into success with the participation of 75 participants.

The slide is titled "What is the Artificial Intelligence?" and features the RCOEM IEEE Student Branch logo in the top left. The main content is a diagram showing "Artificial Intelligence" at the top, with a quote below it: "... Machines capable of doing tasks that require human intelligence ...". This branches into three categories:

- Computational Intelligence:** Includes Fuzzy Logic, Artificial Neural Networks, and Evolutionary Computation.
- Machine Learning:** Includes Artificial Neural Networks, Support Vector Machines, Random Forest, and Hidden Markov Models, followed by "Many more!".
- Deep Learning:** Includes Artificial Neural Networks and "Many layers!".

The slide also includes the IEEE logo and a small logo for the webinar. On the right side, there is a vertical list of participant icons and names.

The slide is titled "Final Comments" and features the RCOEM IEEE Student Branch logo in the top left. It contains a list of bullet points:

- AI is relevant to support strategies against the current pandemic by COVID-19
- It is important to work in interdisciplinary groups, it is not an isolated task.
- AI can contribute as:
 - Input for decision-making in policies related to COVID-19
 - Support your diagnosis in different phases
 - Development of models that allow a better understanding of the disease
 - Proposals as new vaccines or drugs from bioinformatics
- Dilemma precision (more data vs. more personal information to the models)
- Interpretation of AI-generated models

The slide also includes the IEEE logo and a small logo for the webinar. On the right side, there is a vertical list of participant icons and names.

Department of Civil Engineering

Faculty Corner

PhD Guided:

Mr. Sarang V Paranjape is awarded with PhD in Civil Engineering under the supervision of Dr. M. S. Kadu and Dr. Y. B. Katpatal of VNIT Nagpur; Period of research: 2012-2016; Topic: Spatial Correlation of Surface and Sub-surface hydrological parameters for Basin Development.

Guest Lectures taken by faculty

Sr. No.	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
1	Vaishali Rajurkar	Lecture on Foundation Engineering under AICTE PRERNA Scheme	During 1st August to 31st October 2020	Anjuman College of Engineering & Technology, Nagpur https://drive.google.com/file/d/1JHoDS2ACAwNDJ6gQv4dDdY4MOhsqmgJT/view?usp=sharing
2	Vaishali Rajurkar	Use of Geosynthetics in Earthwork	16/10/2020	Regional Training Centre, Nagpur (https://drive.google.com/file/d/1wXisvcxoEGKH5TmL_mvW89qRmwWzk8DU/view?usp=sharing)

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	R. N. Khapre and Pranjali Maheshwari	Analysis and Comparison of RCC and Psc Bridge Girder for various spans with Different IRC Class Loading	Journal of Seybold Report	01-10-2020	ISSN NO: 1533-9211	Vol. 15, No. 9	SCOPUS
2	Dr. T. B. Gupta	Assessment of Greywater Treatment by Hybrid Electrocoagulation and Filtration Method in Continuous Mode	International conference on smart technologies for energy, environment and sustainable development	December 4-5, 2020			

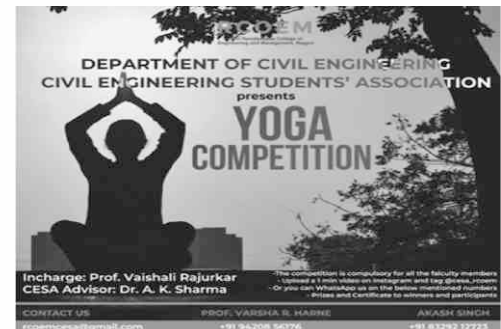
STTP/FDP/other Training Attended by Faculty

Sr. No.	Name of Faculty	STTP/FDP/ Training Attended	Duration/Date	Organizers of the Event
1	Vaishali Rajurkar	STTP on“Sustainable Construction Engineering: Research and Practices”	19 th - 23 rd October 2020.	VNIT, Nagpur (https://drive.google.com/file/d/1R2pB7mflCrsofNAHboGQOxYGmriMItQO/view?usp=sharing)
2	Mrs. Varsha R. Harne	STTP on“Sustainable Construction Engineering: Research and Practices”	19 th - 23 rd October 2020.	VNIT, Nagpur (https://drive.google.com/file/d/1w0Qp1W-RNohg51A_2TboEDNdWzEK1-Ba/view?usp=sharing)
3	Mrs. Varsha R. Harne	AICTE sponsored STTP Based on “ Wind and Earthquake Resistant Design	19/12/20 to 24/12/20	Ram Meghe institute technology and Research, Badnera, Amravati https://drive.google.com/file/d/166zCddokef4owI50B3iCltx8tbdkYdsb/view?usp=sharing
4	Mrs.V. R. Harne	FDP Online “ Reinforced Concrete Road Bridges:	20 th Sep 2 - 20 th (4 week)	Swayam NPTEL https://drive.google.com/file/d/1gG5Stm5k8Y7PJZ41IC9s1Kz1hTo9fzIn/view?usp=sharing
5	Miss. Laxmi R. Gangwani	One week TEQIP Online - STTP on “Advanced Technologies in Water Resources Management”	23 rd -27 th November 2020	Government College of Engineering, Ahmedabad https://drive.google.com/file/d/1IiksmRNKXETF4Kq6oJiGXCQ7fMYWG-Fz/view?usp=sharing
6	Miss. Laxmi R. Gangwani	AICTE Sponsored One Week Short Term Training Programme on "Control air pollution: Differ climate change”	21 st -26 th December, 2020	V.P. Dr.P.G. Halakatti college of Engg. and tech. Vijyanagar https://drive.google.com/file/d/1ieTU7B7ZOliVBZX0PGWzK0P46nf-IP-b/view?usp=sharing
7	H. P. Khungar	One Week online STTP on Repair and Rehabilitation of Structures	30 th Nov. 2020 to 05 th Dec 2020	RVR and JC College of Engg., Guntur, AICTE sponsored National level STTP.
8	H. P. Khungar	One Week online STTP on Wind and Earthquake resistant design	19 th Dec. 2020 to 24 th Dec. 2020	Prof. Ram Meghe Institute of technology and Research, Amravati, AICTE sponsored National level STTP
9	H. P. Khungar	Online noncredit course on “ Water Resources Management and Policy”	Dec. 2020	Coursera ,online platform

Sr. No.	Name of Faculty	STTP/FDP/ Training Attended	Duration/Date	Organizers of the Event
10	Dr. T. B. Gupta	one week TEQIP Online - STTP on "Advanced Technologies in Water Resources Management"	23 rd -27 th November 20	GCE Aurangabad
11	Dr. T. B. Gupta	AICTE Sponsored One Week Short Term Training Programme on "Control air pollution: Differ climate change"	21 st -26 th December, 2020	V. P. Dr. P. G. Halakatti college of Engg. and tech. Vijyanagar
12	Dr. T. B. Gupta	Online noncredit course on "Water Resources Management and Policy"	December, 2020	Coursera, online platform

Departmental Activities

1. Department of Civil Engineering under the banner of Civil Engineering Student's Association (CESA) organized, "Virtual Yoga Competition" on 5th October 2020. Around 65 participants including staff and students actively participated in the event



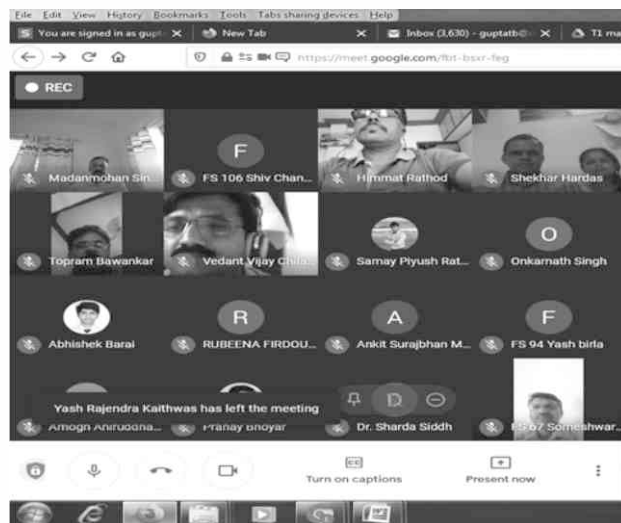
2. Department of Civil Engineering under the banner of Civil Engineering Student's Association (CESA) organized, "Virtual cleanliness drive" on 2nd October 2020. On this occasion, Head of Department; Dr.

P.D. Pachpor, Prof. Vaishali Rajurkar and fourth year students participated in the drive around the location of Ambazari lake, Nagpur. As it was an open event, there was a great response and many people participated in it enthusiastically.



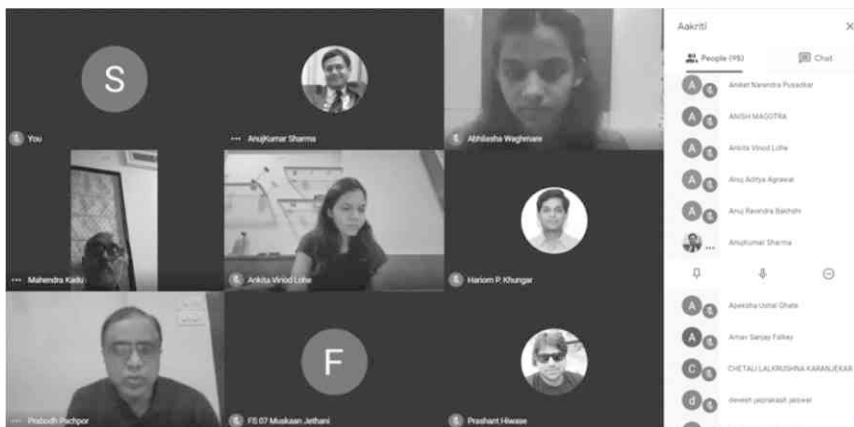
Parents Meet, Alumni Meet and Departmental Installations or Events

1. A Parent – Teacher Meet was organized by the Civil Engineering Department on October 10, 2020 (Saturday) from 12 Noon to 01.00 p.m. on online mode via. Google Meet for the current session 2020-21 (Odd Sem). The meeting was addressed by head of the department, Dr. P. D. Pachpor. It was attended by various faculty members of the department. This meet received a very good response from the parents of III (Shift I & Shift II), V (Shift I & Shift II), and VII (Shift I & Shift II) semester students. More than 100 parents attended the online meet and interacted openly.



2. Department of Civil Engineering under the banner of Civil Engineering Student's Association (CESA) organized, "Aakriti" from 6th October 2020 to 10th October 2020. Aakriti is the formal installation ceremony of CESA body. This event - cum competition had four rounds in the order of, Brain Teaser - an aptitude test (objective), Tech Intellect - a technical quiz based on branch subjects, Off-The-Cuff - making of a self-description one-minute video, Neil O'Brien - a rapid Fire based on current affairs.

3. Virtual Technical quiz was organized by Department of Civil Engineering under the banner of Civil Engineering Student's Association (CESA) organized, "Aakriti" for students of Civil Engineering (From 6th to 10th October 2020).



Conference, STTP and Guest Lectures organized in Department

The series of guest lectures organized for the students of second year of Civil Engineering department on "Career Opportunities in Civil Engineering".

Students' Corner

Student Achievements

Sr. No.	Name of Student	Event	Achievement	Date
1	Mrudani Deosthali 2nd year Civil	Mood Indigo 2020	Won 3rd position in Kora Kaagaz (Online Hindi Creative Writing Competition)	26 th -27 th Dec. 2020
2	Mr. Pratik D Thakur	Indian Space Research Organization	Completed the online course on "Geospatial Inputs for Enabling Master Plan Formulation" conducted by Indian Institute of Remote Sensing (IIRS)	27 th July 2020 to 31 st July 2020 https://drive.google.com/file/d/1SuM249iE9Wph6pYG6Io9Y2PUD3qkxPM9/view?usp=sharing
3	Ms. Ankita Vinod Lohe	Indian Space Research Organization	Participation in online course on "Understanding of Coastal ocean processes using Remote Sensing and Numerical Modelling" conducted by Indian Institute of Remote Sensing (IIRS)	21 st October 2020 to 25 th October 2020 https://drive.google.com/file/d/1yC6hlp9eD1NJpMy5dvdmwB4RJVGpXzMs/view?usp=sharing
4	Mr. Pratik Dharmendra Singh Thakur	Indian Space Research Organization	Completed the online course on "Remote Sensing Applications in Agricultural Water Management". The course was conducted by Indian Institute of Remote Sensing (IIRS).	03 rd August 2020 to 07 th August 2020. https://drive.google.com/file/d/13cBerXxG77UmFn1xXfcZ25g3Aks8rni/view?usp=sharing
5	Mr. Nayan Vinodkumar Karwa	Indian Space Research Organization	Completed the online course on "Remote Sensing Applications in Agricultural Water Management". The course was conducted by Indian Institute of Remote Sensing (IIRS).	03 rd August 2020 to 07 th August 2020. https://drive.google.com/file/d/1mjfyWcL-7JM8ONxB8BbPhFhiKDnjDKch/view?usp=sharing

Any other activity(s):

- a) Financial Assistance for Rs. 19,08,078/- is obtained from AICTE under the Scheme of Research Promotion Scheme for the project title “Experimental Investigation of anchorage zone stresses and development of equation to calculate bursting tensile force in post-tensioned concrete member” by Dr. Rajendra Khapre.
- b) Patents

Sr. No.	Name of Student	IPR	Title	Date	Status
1	Dr. A. M. Gharad	Patent	A System to assess a student and a method thereof	17-12-2020	Filed
1	Dr. A. M. Gharad	Patent	A Method For Estimating Vertical Impact Factor Coefficients Of High-Speed Railway Bridges	17-12-2020	Filed

Department of Computer Science and 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	Abhijeet R. Raipurkar	Cyber Security Awareness	12/11/2020	Power Grid Corporation of India Ltd

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	Abhijeet R. Raipurkar, Dr. Manoj B. Chandak	A PPE Kit Supply Chain Management System Using Block chain Smart Contract	International Journal of Interdisciplinary Global Studies	Oct-Dec' 2020	2324-755X	Volume: 14, Issue No: 04, 172-180	Scopus

2	Jignyasa Sanghavi	COVID-19 Tweets Textual Analytics Using Machine Learning Classification for Fear Sentiment	International Journal of Advanced Trends in Computer Science and Engineering	October, 2020	2278-3091	Volume-9, Issue-5, https://doi.org/10.30534/ijatcse/2020/221952020	Scopus
3	Pravin Kumar M Sonsare, Praful R. Pardhi	Convolutional Neural Network Using Grey Wolf Optimization For Leaf Infection Detection	GIS Science Journal	December 2020	1869-9391	Volume-7, Issue-12, 910-915	Scopus
4	Praful R. Pardhi, Pravin kumar M Sonsare	Smart Refrigerator Monitoring using Internet of Things (IoT)	Journal of Seybold Report	Sept 2020	1533-9211	Volume 15 Issue 9, 1136-1141	Scopus

STTP/FDP/other Training Attended by Faculty

Sr. No.	Name of Faculty	STTP/FDP/Training Attended	Duration Date	Organizers of the Event
1	Khushboo Khurana	10 Days FDP on Applied Deep Learning, Computer Vision & NLP with Python	14 th Dec to 28 th Dec 2020	EduXLabs (Online FDP)
2	Khushboo Khurana	Online Workshop on Python Programming	5 th Dec to 6 th Dec 2020	National Institute of Technology, Karnataka, Surathkal
3	Abhijeet R. Raipurkar	"Post Pandemic Scenario Building using AI, ML and Optimization Techniques" (PPSB-AIMLOT-2020)	10 th - 14 th July, 2020	KDK (Online FDP)
4	Pravin Sonsare	Six Day Workshop on Software training on Ruby	6 th July to 11 th July 2020	YCCE, Nagpur (Online FDP)
5	Pravin Sonsare	ATAL Academy Online FDP on "Artificial Intelligence"	21 st Dec to 25 th Dec 2020	KIIT(Online FDP)

6	Praful Pardhi	Cybersecurity and Blockchain Technology	7 th Dec to 12 th Dec 2020	Department of IT, Sanjivani College of Engineering, Kopargaon(Online AICTE sponsored STTP)
7	D. Naidu	ATAL Academy Online FDP on "Artificial Intelligence"	21 st Dec to 25 th Dec 2020	KIIT(Online FDP)
8	D. Naidu	ATAL Academy Online FDP on "Internet of Thing"	7 th Dec to 11 th Dec 2020	IIIT Allahabad
9	D. Naidu	ATAL Academy Online FDP on "Internet of Thing"	14 th Dec to 18 th Dec 2020	CDAC Kolkata

Departmental Activities

Parents Meet

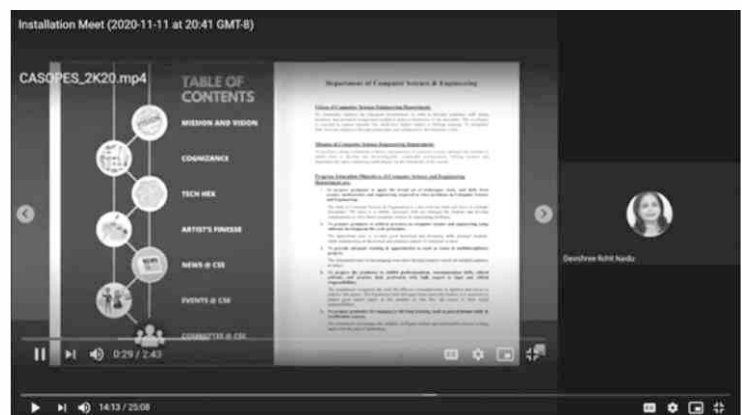
Parent - Teacher Meet was conducted on 10th October 2020 online through Google Meet by Department of Computer Science & Engineering. The meeting was commenced by Head of Department, Dr. M. B. Chandak, and various activities that were organized by the department for the students in lockdown period were highlighted. Dr. M. B. Chandak suggested various platform which students can use and improve the performance. Meet was attended Parents of III, V, and VII Semester. The parents were given the general observation about their wards performance in the Internal Tests and attendance by class in-charge and course coordinators.

Departmental Installations or Events

Installation ceremony of CSE Student Society and Student Chapters

The installation ceremony was held on 12th November 2020, in the presence of Dr. M.B. Chandak, Head of the Department, Prof. D.A. Borikar, Faculty In-charge - Compusys, Prof. S.V. Jain, Faculty In-charge - CSI, Prof. Devishree Naidu, Faculty In-charge – ACM, Dr. Ramchand Hablani, Faculty In-charge - ED Cell, faculties and students of CSE department.

The faculty in-charges announced the selected student body and briefed them about the responsibilities entrusted to them. This was followed by the student President, Salil Palkar addressing the gathering, followed by the HOD's address. The departmental magazine, Casopes, was then released virtually by Head of the Department. The event concluded with a vote of thanks by Mohammed Hussain, Vice President, Compusys.



Launch of CSE Departmental Magazine, Casopes

Coding Competition by ACM Chapter

A Competitive Coding Competition was organized on 12th November 2020 at 4:30 pm on Hacker Rank. The event was organized by ACM RCOEM Chapter. The competition was of 2 hrs. The competition was intended for 2nd and 3rd year students. Around 90 students from the department registered for the competition. The winners were Rohit Doshi (3rd year), Neha Pandey (2nd year) and Anant Loiya (2nd year).

Conference

International Conference on Intelligent Systems, Data Science and Computing [ICIDC- 2020]

The Department of Computer Science and Engineering of Shri Ramdeobaba College of Engineering and Management in Association with SRH University Heidelberg, Germany organized International Conference on Intelligent Systems, Data Science and Computing [ICIDC-2020] on Nov 27th, 2020. The conference aimed to bring together researchers in the field of data science, computational intelligence, machine vision, robotics, and smart systems to exchange their latest achievements and discuss future development in these areas. With a vision to provide an active platform for scientists, academicians, engineers, professionals, research scholars, and students to present their latest research findings, ideas, and applications in the domains falling under the scope of this conference. The event began in the presence of Chief Guest, Dr. D V L N Somayajulu, Director, IIIT Kurnool; Guest of Honour – Mr. Mohan Uttarwar, CEO iNDX.Ai, California, U.S.A; General Chair - Dr.R.S.Pande, Principal, RCOEM Nagpur, Conference Chair - Dr. M. B. Chandak, Dr. A. J. Agrawal and Dr. Gerd Moeckel - Professor for Information, Media and Design, Course director, Applied Computer Science, SRH University Heidelberg, Germany. In this two day conference, distinguished experts from various fields delivered six plenary sessions as follows:

Session	Speaker with affiliation	Topic
1	Mr. Upendra Mardikar - Chief Security Officer of Snap Finance	Cyber Security: Research Issues
2	Ms. Amity Uttarwar – Bitcoin core contributor	Technical Introduction to Bitcoin
3	Mr. Mohan Uttarwar – Angel investor and in the Board of Directors of Hemex Health	Turbo charging Precision Medicine 2.0 using AI-enabled Data Analytics
4	Mr. Marcel - a scientist at the ABB Corporate Research Center, Germany	Anomaly detection
5	Shree Ganesh Thottempudi – specialization in NLP and AI technologies	Data Science and AI for Heritage and Culture
6	Ms. Meghna Goyal – a Software Engineer, Molecular Health GmbH, Germany	Exploring the Biomedical data for AI Applications

79 papers were shortlisted for paper presentation which was divided into seven tracks. A paper from each track was awarded Best Paper of the track. The event concluded with the valedictory session which was conducted on 28th November 2020 at 5 pm and was attended by all delegates and Chief Guest for the session Dr. Ajinkya Prabhune, Professor, SRH University, Heidelberg, Germany. The valedictory concluded with a vote of thanks proposed by Dr. A. J. Agrawal, Dean Academics, RCOEM.

STTP and Guest Lectures organized in Department

Sr. No.	Conference/STTP/ Guest Lecture organized	Speaker (with Affiliation)	Duration	Date
1	Blockchain and Crypto-Currency Technologies	Mr. Raj A. Kapoor, Founder of IBA	2hrs	9/10/2021

Students' Corner

Toppers List

Sr. No.	Second Year	Fourth Year
1	Vinita Misra (10)	Yavar Yakub Vazir (10)
2	Jyoti Sachdev (10)	Sharvari Shriram Tapase(9.84)
3	Priti Mahajan(9.92)	Gaurav Sudhir Sharma(9.81)

Student Achievements

Sr. No.	Name of Student	Event	Achievement	Date
1	Shreya Rai	Essay writing competition organized by WCL for Vigilance awareness week	Winner (1st position)	10/29/2020
2	Atul Thakre	Code Mates x1 Codechef	Rank 1 in college and All India Rank 85	8/31/2020
3	Piyush Rajkarne	Math-e-logic	3rd Position	10/17/2020
4	Bhavesh Kewalramani	SHAYARI pratiyogita	Winner (1st position)	9/14/2020
5	Rishabh Rathi	Lets Upgrade Hack V1 2020	Winner (1st position)	9/27/2020
6	Rishabh Rathi	Eduthon	11th Position (Special Mention)	9/6/2020
7	Rishabh Rathi	Hack Chennai	Honorable Mention (Top 15)	9/02/2020
8	Shreyas Prashant Barve	Eduthon	15th position	9/06/2020
9	Shreyas Prashant Barve	LetsUpgrade Hackathon V1 2020	Winner (1st position)	9/27/2020
10	Shreyas Prashant Barve	HackChennai	Honorable Mention (Top 15)	9/20/2020
11	Tejas Sudhir Tapas	LetsUpgrade Hack V1 2020	Winner (1st position)	9/27/2020
12	Sarang Krishnakumar Mishra	Online powerpoint design and presentation competition	Winner (1st position)	9/9/2020

Placements

The department has shown great placements in spite of the pandemic. 122 students out of 149 has been placed amounting to a total of 370 offers. The highest package of 22 Lakhs is offered by Goldman Sachs to Pooja Agrawal.

A total of 93 students have been placed for 6 month internship at various multinational companies. Details as given below:

Company offering internship	Count
Amazon	3
Astrotech India	1
BNY Mellon technologies	2
Climber	1
Cognizant	35
Delaplex Pvt Ltd	1
Deqode (techracers)	2
Fivetran	3
Fresh Gravity	1
Goldman Sachs	1
Persistent Systems	12
Principal Global Services	12
RCOEM Research Internship	2
Roots Innovation Lab Pvt. Ltd.	1
TCS	7
vConstruct	4
VMware	3
Xoriant Solutions	4
Zoho	1

Students in Higher Studies

Sr. No.	Year of Passing	Name of Student	Course Pursuing	Institution / University of Higher studies
1	2020	Rashi Bid	PGDM (B&FS)	NIBM, Pune
2	2020	Sanskriti Pankaj Bajoria	MBA	NMIMS, Mumbai

Department of Electrical 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. U. B. Mujumdar	DC Micro grid for Rural electrification and IoT	19.12.2020	ATAL FDP on Energy-Internet of Things (E-IoT) (15th-19thDecember 2020) Organized by SRCOEM Nagpur
2	Dr. M. M. Renge	Introduction to Design Aspects of Electric Vehicle	17.12.2020	Energy-Internet of Things (E-IoT) (15th-19thDecember 2020) Organized by SRCOEM Nagpur

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. S. B. Bodkhe, Ms. Archana Talhar	Load Scheduling with Combinations of Existing Tariff Structure for Residential Consumers in Maharashtra, India-Case Study	Springer book of Proc. of Int. Conf. on Recent Trends in Machine Learning, IoT, Smart Cities and Applications	Date of Publication: 15th Nov., 2020	ISBN 978-981-15-7233-3; ISBN 978-981-15-7234-0 (eBook)	https://doi.org/10.1007/978-981-15-7234-0	Scopus
2	Dr S H Deshmukh, Dr P. V. Kapoor	Z-source DC-DC Converter for low power application in Micro grid operation	International Conference organized by Department of Electronics and communication SRCOEM, Nagpur ICESC-2020	03,04,05 Dec. 2020	---	---	---
3	Manisha Gaikwad	d-q Control Scheme for Unified Power Flow Controller	Journal of University of Shanghai for Science and Technology	December 2020	ISSN: 1007-6735	D.O.I - 10.51201/12520Volume 22 - Issue 12 2020	Other

STTP/FDP/other Training Attended by Faculty

Sr. No.	Name of Faculty	STTP/FDP/Training Attended	Duration Date	Organizers of the Event
1	Dr. Manjusha V Palandurkar	All Indian Council for Technical Education,, New Delhi AQIS Sponsored Two Weeks Faculty Development Program on "Introduction to Smart Grid (ITSG-2020) Phase-I"	23.11.20 to 04.12.20	Organized by Department of Electrical Engineering, KDKCE, Nagpur
2	Dr. S. H. Deshmukh	ATAL FDP: Energy Storage	Oct 27-Oct 31 2020	Indian Institute of Information Technology, Design & Manufacturing Kancheepuram.
3	Dr. S. H. Deshmukh	ATAL FDP : Internet of Things	15-12 to 19-12 2020	Shri Ramdeobaba College of Engineering and Management, Nagpur-13
4	Dr. P. V. Kapoor	ATAL FDP : Internet of Things	15-12 to 19-12 2020	Shri Ramdeobaba College of Engineering and Management, Nagpur-13
5	Dr. P. A. Salodkar	ATAL FDP : Internet of Things	15-12 to 19-12 2020	Shri Ramdeobaba College of Engineering and Management, Nagpur-13
6	Dr. S. C. Rangari	ATAL FDP : Internet of Things	15-12 to 19-12 2020	Shri Ramdeobaba College of Engineering and Management, Nagpur-13
7	Prof M. B. Gaikwad	ATAL FDP : Internet of Things	15-12 to 19-12 2020	Shri Ramdeobaba College of Engineering and Management, Nagpur-13
8	Prof M. B. Gaikwad	FDP (NPTEL Course)	8 Week/ Sep-Nov2020	IIT Madras
9	Prof M. B. Gaikwad	STTP	One Week/ 30-11-2020 to 04-12-2020	SVNIT, Surat, Gujarat
10	Prof M. B. Gaikwad	Training Program	1 Month/ 2nd Dec to 27th Dec 2020	IETE Mumbai Chapter
11	Prof M. B. Gaikwad	AICTE AQIS Sponsored FDP	Two Weeks /2311-2020 to 04-12-2020	DEE,KDK, Nagpur

Departmental Activities

Conference, STTP and Guest Lectures organized in Department

Sr. No.	Conference/STTP/ Guest Lecture organized	Speaker (with Affiliation)	Duration	Date
1	ATAL Faculty Development Programme (FDP) on “Energy-Internet of Things ”	Dr. Pranavamoorthy Balasubramanian, EATON, Pune, Mr. Vinit Kapoor, Persistent Systems Ltd, Mr. Everhett Raman, Persistent Systems Ltd, Dr. Saugata Biswas, GE, Redmond, USA , Dr. C. N. Bhende, IIT Bhubaneswar, Edutech Learning Solutions Pvt. Ltd., Dr. M. M. Renge, RCOEM, Nagpur, Dr. R. S. Wandhare, IIT Hyderabad, Dr. H. M. Suryawanshi, VNIT, Nagpur, Mr. Sumedh Puradbhat, EATON, The Art of Living, Bangalore Mr.Vidyasagar, Embitel Systems, Bangalore.	Five day Course	15 th to 19 th December 2020
2	Power System-I Topic-“Concept of Active and Reactive Power Control in Power System”	Mr. Karthik P U Manager (Electrical) GAIL(INDIA) LTD. P.O. GAIL Complex, Vijaipur, Dist. Guna (MP)	2 hours	18 th Oct 2020
3	Electrical Measurement and Instrumentation	Mr. Parag Dandekar, Vice President Engineering in M/S Saarloha Advanced Materials Pvt Limited (Formerly Kalyani Carpenter Special Steels Ltd), Pune, Maharashtra,	2 hours	11/10/2020
4	Power System II	Mr. A. K. Sadhu, Ex T & D specialist, Necon power and infra ltd. Guwahati, Assam.	2 hours	21 Oct.2020
5	Electrical Machines-II	Mr. A. Satish Kumar, Manager, Technical Services BHARAT HEAVY ELECTRICALS LIMITED (BHEL), PS: WR (Govt. of India Undertaking) 345, Kingsway, Nagpur 440 001	2 hours	27/10/2020
6	EHVAC-HVDC Transmission System	Mr. Santosh H. Kaware Additional Executive engineer at MSETCL, Mumbai	2 hours	17/10/2020
7	Path of Joy: Anapan Meditation	Mr. Narendra Khobragade, MITRA Upakram Team Member, District Representative, Vipassana Research Institute Nagpur	2 hours	13/10/2020

Report on ATAL Faculty Development Programme (FDP) on “Energy-Internet of Things” organized by Electrical Engineering Department.

Electrical Department of Shri Ramdeobaba College of Engineering and Management, Nagpur has successfully organized a Faculty Development Programme (FDP) in the thrust area of “Internet of Things (IoT)” with special focus on the applications related with Energy. The programme was approved and sponsored by AICTE, New Delhi under its AICTE Training and Learning (ATAL) Academy scheme and was conducted between 15th to 19th December 2020.

The program received overwhelming response across all over the India from different states. About 165 faculty members of premier engineering institutes registered in this online FDP, and got benefited from research and field experiences of eminent speakers.

This interdisciplinary program was focused on IoT and its applications in energy sector. Meeting the growing demand for energy in a safe and environmentally responsible manner is a key challenge. The Energy Internet of Things (E-IoT) has been proposed as one such energy management solution.

In the Inaugural Program Dr. Rajesh Pande, Principal, RCOEM, Nagpur emphasized on the importance of digital transformations in various fields of Engineering. Dr. V. T. Barhate Head, Electrical Department elaborated importance of Interdisciplinary courses and necessity to incorporate IoT tools in the modern curriculum. The program coordinator Dr. Uday B. Mujumdar gave the overview of the program. Dr. (Mrs.) Preeti Kapoor conducted the program proceedings.

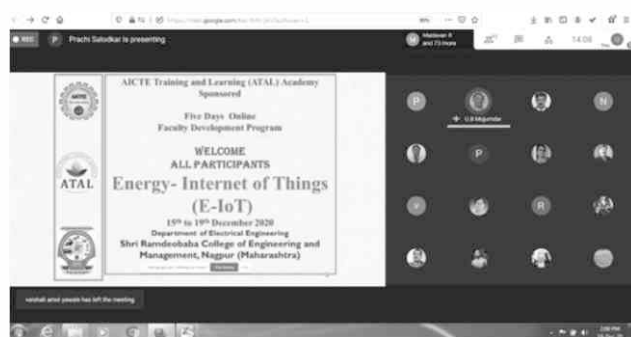
Energy IoT theme was discussed in 14 highly technical sessions. Dr. H. M. Suryawanshi, VNIT Nagpur, Dr. C. N. Bhende, IIT Bhubaneswar, Dr. Wandhere, IIT Hyderabad, Dr. M. M. Renge, RCOEM and Dr. Tushar Kanti Bera, NIT Durgapur deliberated on various energy applications like Smartgrid, Electric vehicles, Photovoltaic systems where IoT has huge potential.

Mr. Vinit Kapoor, Mr. Everhett Raman of Persistent Systems and Mr. BhavinR. Darji from Edutech learning Solutions, Mr. Vidyasagar, Embitel Systems, Bangalore talked about the IoT fundamentals and IoT based application developments.

Dr. SaugataBiswas, GE Solutions, USA, Dr. Pranavamoorthy Balasubramanian and Mr. Sumedh Puradbhat of EATON Research laboratory gave the industrial perspective of smart and advanced Energy applications and IoT.

In valedictory program, participants highly appreciated the contents, topics and delivery of contents in the Program. They also expressed satisfaction over the technical enrichment during the program. Head of the Electrical department and Program coordinators thanked the Management of RCOEM Nagpur for its relentless support and encouragement to faculty for all the endeavors.

Organizing team members Dr. (Mrs.) Sangita Deshmukh, Dr. (Mrs.) Sonali Rangari, Dr. (Mrs.) Prachi Salodkar and Dr. Gaurav Goyal worked hard for the successful organization of the program.



Students' Corner

Student Achievements

Sr. No.	Name of Student	Event	Achievement	Date
1	Alok Ranjan (Research Scholar)	Six-month, online course on "eCARS2x: Electric Cars: Technology" conducted by Delft University of Technology, Netherlands on edX platform.	Completed successfully	Oct, 2020
2	Hemant Patil and Ishita Bageshwar both from M.Tech (PEPS) Sem-III	SWAYAM-NPTEL online course titled 'Electric Vehicles-Part 1' conducted by IIT Madras	Completed successfully	Feb-March 2020
3	Shubham Jibhkate, Sakshi Khadse, Aditya Kunghadkar, Hemant Patil, Ishita Bageshwar and Pooja Kale, all from M.Tech (PEPS) Sem-III	AICTE-ATAL-FDP on 'IoT in Energy' organized by RCOEM, Nagpur	Completed successfully	15th – 19th Dec. 2020
4	Shubham Jibhkate, M.Tech (PEPS) Sem-III	Short Course by Energy Swaraj Foundation (online) on 'Learn to Design your own Solar Home'	Completed successfully	14th Aug. 2020
5	Shubham Jibhkate, M.Tech (PEPS) Sem-III	IEEE Workshop on 'IoT for Agricultural App.' organized by P R Pote Patil CoE, Amravati	Completed successfully	22nd-24th Oct 2020

Students in Higher Studies

Mr. Sudarshan Khond of M.Tech (PEPS), Summer 2020 pass-out has successfully cleared the entrance test and interview conducted at VNIT, Nagpur and secured admission for PhD studies.

Department of Electronics Engineering

Faculty Corner

Guest Lectures taken by faculty

Sr. No.	Name of Faculty	Topic of Guest Lecture Delivered	Organizer	Date
1	Dr. Nitin Narkhede	Assertion based verification in online STTP on Recent Trends and Applications in Digital VLSI Design	Priyadarshini College of Engineering, Nagpur	15 Dec 2020
1	Dr. A. A. Khurshid	Application of VLSI in Artificial Intelligence in online STTP on Recent Trends and Applications in Digital VLSI Design	Priyadarshini College of Engineering, Nagpur	19 Dec 2020

Patents

Sr. No.	Name of Author(s)	Title of Patent	Date of Filling/ Date of Publication
1	Dr. J P Kalambe, Sangeeta Palekar, Dr. R. M. Patrikar	A System For Blood Analysis	24.10.20
2	Dr. A. A. Khurshid	Maintenance Free Condensate Drain Valve Patent numbered- 201921029150	Published Nov. 2020
3	Dr. A. A. Khurshid	Maintenance Free Water Flow And Level Patent numbered- 201921041470	Published Nov. 2020
4	Prathamesh Balaji Dasarwar, Saurav Namdev Pawar, Nikesh Shriram Rathod, Bhalchandra Madhao Hardas, Vipul Lande	A System For Maintaining The Moisture Level Of Soil And A Method There Of	17.12.2020
5	Siddhesh Shivosanjay Jagtap, Amey Pramod Dahikar, Vinay Avinash Kewte, Aditya Sanjay Chikte, Bhalchandra Madhao Hardas, Vishal Rathee	A Trackman Alerting System and A Method Thereof	30.12.2020

STTP/FDP/other Training Attended by Faculty

Sr. No.	Name of Faculty	STTP/FDP/Training Attended	Duration / Date	Organizers of the Event
1	Dr. S. S. Balpande	BioMEMS and Microfluidics	8 Weeks Sep-Dec 2020	IIT Kanpur in association with NPTEL
2	Prof. Archana Tiwari	NPTEL Course on "Microwave theory and technique"	Sep - Dec 2020	NPTEL, IIT Bombay
3	Prof. Smita Daware	NPTEL Course on "Principles of Signal Estimation for MIMO/ OFDM Wireless Communication"	Sep - Dec 2020	NPTEL, IIT Kanpur
4	Dr. Kanchan Dhote	NPTEL Course on "Microwave theory and technique"	Sep - Dec 2020	NPTEL, IIT Kanpur
5	Dr. R. S. Ochawar	AICTE Training and Learning (ATAL) online FDP attended on "Machine Learning and it's Applications"	1 st - 5 th Oct 2020	School of Electronics, Kalinga Institute of Industrial Technology Bhubaneswar, Odisha
6	Dr. Kanchan Dhote	AICTE Training and Learning (ATAL) Academy Online FDP on "Computer Science & Biology"	1 st - 5 th Oct 2020	Kalinga Institute of Industrial Technology.

7	Prof. Sharmik Admane	IEP on FPGA Based Embedded Systems – Covering Swadeshi Microprocessors	05 th -16 th Oct 2020	NIELIT CALICUT during 05 th to 16 th October 2020, supported through C2SD (SMDP-III) Project.
8	Dr. Gouri Morankar	STTP on Advances in Biomedical Signal Processing with Hands-on'	5 th - 10 th Oct 2020	Maharshi Karve Stree Shikshan Samstha's Cummins College of Engineering for Women (An Autonomous Institute Affiliated to Savitribai Phule Pune University), Karvenagar, Pune – 411052.
9	Prof. Snehal Laddha	Online Short-Term Training Program on “Machine Learning: Algorithms and Applications in Data Science”.	5 th - 10 th Oct 2020	Department of Electronics Engineering, Vishwakarma Institute of Technology, Pune
10	Dr. Pankaj Joshi	Online Short-Term Training Program on “Machine Learning: Algorithms and Applications in Data Science”.	5 th - 10 th Oct 2020	Department of Electronics Engineering, Vishwakarma Institute of Technology, Pune
11	Prof. Vikas Gupta	National Seminar on Computer Vision and Image Processing 2020.	9 th - 11 th Oct 2020	NaSCoVIP 2020, IEEE Gujrat Section
12	Prof. Shubham Anjankar	Short Term Training Program on 'RECENT TRENDS in RF TECHNOLOGY for 5G and IoT'	12 th - 16 th Oct 2020	SVNIT, Surat
13	Prof. Snehal Laddha	Short Term Training Program on 'RECENT TRENDS in RF TECHNOLOGY for 5G and IoT'	12 th - 16 th Oct 2020	SVNIT, Surat
14	Prof. Shubham Anjankar	AICTE sponsored six days online Short-Term Training Programme (STTP) on “Advanced VLSI Design and Applications with hands-on CADENCE Tools” with subtopic “Design and Simulation of Semiconductor Devices”	19 th -24 th Oct 2020	Department of Electronics & Communication Engineering, ABES Engineering College, Ghaziabad.
15	Dr. A. A. Khurshid	Online symposium on “ Innovation led technology excellence- BETiC VNIT case study”	26 th - 31 st Oct 2020	CAD-CAM Centre, Dept. of Mechanical Engineering, VNIT, Nagpur
16	Dr. Pankaj Joshi	Two Week AICTE Sponsored Online Faculty Development Programme (FDP) on “Recent Trends in VLSI Design, Signal Processing & Optimization based on EDA tools”	28 th Oct - 10 th Nov 2020	Department of Electronics and Communication Engineering, VAAGDEVI college of Engineering, Hyderabad

17	Prof. Sandeepkumar Pandey	Two Week AICTE Sponsored Online Faculty Development Programme (FDP) on “Recent Trends in VLSI Design, Signal Processing & Optimization based on EDA tools”	28 th Oct - 10 th Nov 2020	Department of Electronics and Communication Engineering, VAAGDEVI college of Engineering, Hyderabad
18	Dr. Kanchan Dhote	AICTE Sponsored One- Week Online Short-Term Training Program on 'Advances in Biomedical Signal Processing with Hands-on'	2 nd Nov 2020	Maharshi Karve Stree Shikshan Samstha's Cummins College of Engineering for Women (An Autonomous Institute Affiliated to Savitribai Phule Pune University), Karvenagar, Pune – 411052.
19	Prof. Rajesh Khobragade	Online Workshop on” Image Processing using MATLAB”	2 nd - 6 th Nov 2020	Andhra Pradesh State Skill development corporation (APSSDC) and Pantech Prolabs India Pvt. ltd
20	Prof. Archana Tiwari	One week FDP on “Practical Approach to Antenna Design and Analysis Using Electromagnetic Simulation Software “	23 rd Nov - 28 th Nov 2020	Department of Electronics and Communication Engineering, Yamnampet, Hyderabad.
21	Prof. Poorvi Joshi	Webinar on “Micro-Electro Mechanical System (MEMS) Design”	28 th - 29 th Nov 2020	Department of Electronics and Communication Engineering, Institute of Technology, Nirma University, Ahmedabad
22	Prof. Archana Tiwari	Online FDP on " Wearable Devices"	30 th Nov - 4 th Dec 2020	Karunya Institute of Technology and Sciences
23	Prof. Vishal Rathee	One Week AICTE Sponsored Online STTP on “Recent Trends in Biomedical Signal Processing”	7 th - 12 th Dec 2020	Sipna College of Engineering and Technology, Amravati
24	Prof. Smita Daware	AICTE sponsored One Week Online Short-Term Training Program (STTP) on “Recent Trends & Application in Digital VLSI Design”	14 th - 19 th Dec 2020	Internal Quality Assurance Cell & Department of Electronics Engineering, Priyadarshini College of Engineering
25	Prof. Prachi Rane	AICTE sponsored One Week Online Short-Term Training Program (STTP) on “Recent Trends & Application in Digital VLSI Design”	14 th - 19 th Dec 2020	Internal Quality Assurance Cell & Department of Electronics Engineering, Priyadarshini College of Engineering
26	Prof. Poorvi Joshi	AICTE sponsored One Week Online Short-Term Training Program (STTP) on “Recent Trends & Application in Digital VLSI Design”	14 th - 19 th Dec 2020	Internal Quality Assurance Cell & Department of Electronics Engineering, Priyadarshini College of Engineering

Departmental Activities

Conference, STTP and Guest Lectures organized in Department

Sr. No.	Conference/STTP/ Guest Lecture organized	Speaker (with Affiliation)	Date
1	Webinar on “Stress Management and Pranic Healing”	Anuja Pandey and Seema Sarda, Pranic Healer and Authorized Instructor	24 th Oct 2020
2	Webinar on “Extra Q's: In Engineering”	Mr. Shubham Swarnkar, Sr. Engineer, Bluetooth firmware Developer, Qualcomm, Hyderabad	3 rd Oct 2020

Training and Placement Cell

Following activities conducted under the T&P cell of Electronics Engineering department during October-November-December 2020

1. Preparatory training for Cerium systems campus drive was conducted from 15thDec 2020 to 20thDecember 2020. During this training session Dr. Pankaj Joshi, Prof. Jitendra Zalke and Prof. Ruchir Nandanwar conducted lectures and guided students on DSD with HDL, CMOS VLSI Design, Microprocessor and Microcontroller based design & Applications; Digital logic design respectively. Around 40 students from Electronics Engineering and EDT departments have attended these sessions.
2. An Interactive session was conducted on 16/12/2020 by Ms. Avani Anjankar(EN, 2018 Alumnus), Mr. Ninad Paighan (EN, 2019 Alumnus), Ms. ShreyaMesh ram (EN,2020 Alumnus) who are working with Cerium Systems to guide the students about the skill requirements of Industry. Around 30 students attended this session from Electronics Engineering and EDT.
3. Mock Technical test in view of Cerium Systems placement drive was conducted for Electronics Engineering and EDT students on 20/12/2020.

Students' Corner

Student Achievements

Patents Filed by Students

Sr. No.	Name of Authors	Title of Patent	Date of Filing
1	Prathamesh Balaji Dasarwar, Saurav Namdev Pawar, Nikesh Shriram Rathod	A System For Maintaining The Moisture Level Of Soil And A Method There Of	17.12.2020
2	Sangeeta Palekar	A System For Blood Analysis	24.10.20
3	Siddhesh Shivsanjay, Amey Pramod Dahikar, Vinay Avinash Kewte, Aditya Sanjay Chikte	A Trackman Alerting System and a Method Thereof	24.10.20

Placements

Mr. Siddesh Jagtap, Mr. Pawan Shukla, Mr. Nirav Jain and Mr. Amey Dahikar were selected in the Cerium Systems. Pvt. Ltd, Bengaluru during the campus recruitment drive held in December 2020.

The department has received total 213 offers from employers for its students. Out of these offers 104 students are uniquely placed.

Department of Electronics and Communication Engineering

Faculty Corner

Awards received by Faculty of department-

- Prof. V. S. Lande received Best Paper Award in 3rd International Conference on Electronic Systems, Signal Processing and Computing Technologies ICESC-2020 held during 4-5 December 2020 Organized by Department of Electronics & Communication Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur, Maharashtra (India) for the title of research paper “Low Power Complex Multiplication using Pre-computation Technique For FFT Algorithm in Wearable ECG Gadgets”
- Mr. N. M. Borkar - Scored Topper Rank (Elite Gold) in NPTEL Antenna Course (with 96%) of Jan-Apr 20 Examination Held in Dec 20.
- Dr. D.J. Dahigaonkar has received an Appreciation Certificate/award from Texas Instruments for motivating and registering highest number of students for the MOOC course on TI Embedded system using MSP430 MCU, through NPTEL Platform

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	Mr. N. M. Borkar, Dr. P. K. Parlewar	Antenna Designs Trends in Medical Application	PENSEE International Journal	Dec 2020	ISSN: 0031-4773	Volume 50, Issue 12	Scopus

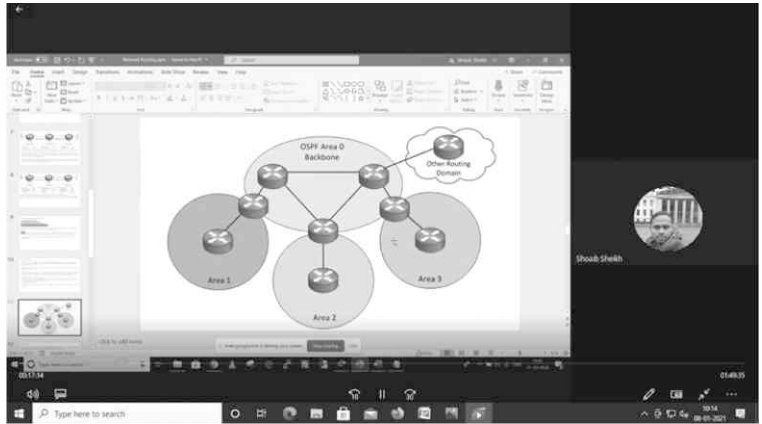
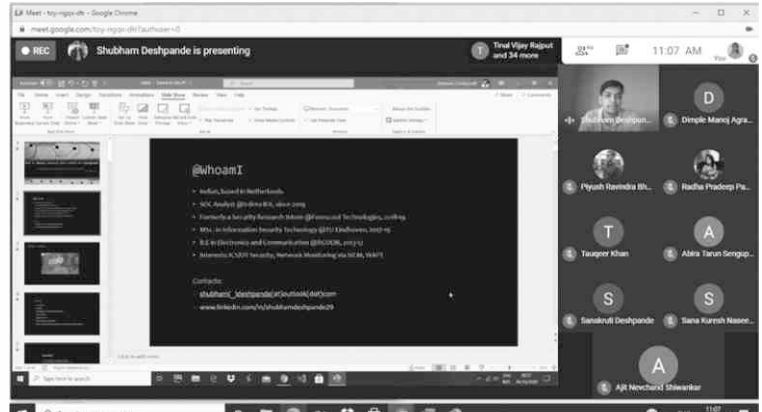
STTP/FDP/other Training Attended by Faculty

Sr. No.	Name of Faculty	STTP/FDP/Training Attended	Duration / Date	Organizers of the Event
1	Prof. Ankita H Harkare	Webinar	11 th Nov 2020	EC Department, RCOEM, Nagpur
2	Dr. Pradip R. Selokar	STTP (Online) (Title: Digital Tools for Writing, Authoring and Reviewing Manuscripts)	21 st Sep - 2 nd Oct, 2020	Electronics and ICT Academy MNIT, Jaipur
3	Dr. (Mrs.) Mridula Korde	Pedagogy Workshop on Building an Online Signals and Systems Course	27 th - 30 th Nov 2020	Indian Institute of Technology, Bombay
4	Dr. (Mrs.) Mridula Korde	Role of Communication Engineering in 5G Technologies	27 th - 29 th Nov 2020	Department of Electronics and Communication Engineering, St. Martin's Engineering College, Dhulapally, Secunderabad, T.S, India

5	Dr. (Mrs.) Mridula Korde	Webinar on “Role of Digital in Teaching English for Academic Purposes”	27 th Oct 2020	McGraw-Hill
6	Prof. V S Lande	FDP on Recent Trends in VLSI Design, Signal Processing & Optimization based on EDA tools	28 th Oct – 10 th Nov 2020	Organized by Department of Electronics and Communication Engineering, Vaagdevi college of Engineering
7	Dr. S B Pokle	Webinar on Design & Simulations of RF Modules Using CST Studio Suite 2020.07	11 th Nov 2020	Delivered by Abhishekh Dolhiya, Jyoti Electronics, Nagpur, Organized by EC dept. R.C.O.E.M. Nagpur

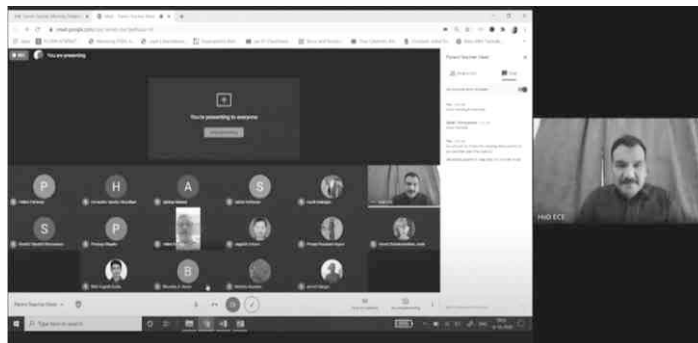
Departmental Activities

Co-Teaching by Industry Person

- 08 Hours partial course delivery by Industry Person Mr. Shoaib Sheikh, Network Engineer, TCS Nagpur in the course Computer Communication and Networks [ECT 402] for the students of VII Semester EC (First and Second Shift) has been successfully conducted during 11th to 18th October 2020. The course delivery by industry person aimed to enhance the student's knowledge from the current industry trend perspective in the field of networking, Switching, routing etc. He provided practical hands on session based on latest industry trends. Assessment for 10 marks was also conducted by him. Prof. Puja Agrawal coordinated co-teaching activity.
 
- 02 hours partial course delivery by Alumnus (EC 2017) & industry person, Mr. Shubham Deshpande, SOC, Irdato B. V. Netherlands in the course titled 'Computer Communication and Networks' [ECT 402] for the students of VII Semester EC (First and Second Shift) has been successfully conducted on 26/10/2020. He provided Industrial insights on the topics such as Network Security, Cryptography, Digital Signatures, Authentication, recent trends in network security, and future career prospects in the field of Computer Networks and Communication. Assessment for 5 marks was also conducted by him. Prof. Puja Agrawal coordinated co-teaching activity.
 

Parents Meet

Department of Electronics and Communication Engineering organized a Parent-Teacher Meeting for the session 2020-21 (ODD Semester) on 14th October 2020. Parent-Teacher Meeting coordinator welcomed the parents in the online google meet and emphasized on the need of developing an enhanced communication between parents and faculty to serve as a bridge in fulfilling expectation of parents and students especially during this online mode of teaching. Dr. R. B. Raut, HOD EC addressed the gathering conversing about the various curricular and extracurricular activities conducted by the department before and during this online mode of teaching. He especially addressed the parents about the support mechanisms and activities carried out to fulfill overall development of the students. A brief review of the various activities and schemes offering support to students for ensuring student progression in academics, placements formed a segment of this discussion. The schemes offering counseling to students were also discussed. Parents were also made aware about the academic and exam rules, guidelines and provisions of the college especially for the online mode of teaching by the HOD.



The enthusiastic parents showed keen interest in the meeting. Parents disclosed their satisfaction regarding the culture and atmosphere prevailing in the department and talked about their queries related to the academics and personal growth of their ward. The parents profoundly enquired and discussed about the activities of the department towards preparing students for higher education, placements, internship and overall development.

Current Scheme For Online Teaching

- The Academic council in its meeting has approved that the odd semester 2020-21 will be conducted through online only.
- The examination scheme is modified for online teaching (Odd Semester 2020-21 only) as given below.

Courses	Continuous Assessment			Total	End Semester Examination	Total	EM Duration
	T1	T2	Teacher's Assessment				
Physics	25	25	10*	60	40	100	02 hrs
Maths	25	25	10*	60	40	100	02 hrs

- In the modified examination scheme Weight age of Continuous Assessment shall be 60% and that of End Semester Examination shall be 40%.
- Continuous Assessment comprise of three components: Test-1(15%), Test-2(15%) and Teacher's Assessment (30%).

Department of ECE, NEDITEC

Total Parents who attended the online meeting – 64,
Feed form submitted by the parents – 38

Departmental student's society "Communique" events

In the difficult situation of pandemic, the Communique student's society tried to encourage and motivate students by organizing some online events on 9th, 10th and 11th October 2020. The motive behind these events was being fun at the same time to gain knowledge and improve interpersonal skills.

Description of events

● Tech Crunch

This was the technical event conducted to specially award the students of 2 year who have gained some extra knowledge during this pandemic and have worked on various aspects that will help them in near future. The event was conducted in 3 stages.

Stage 1: Show off your Qualities where students submitted their resume along with the certification of various courses that they have undertaken.

Stage 2: Evaluation was short listing of best candidates from both 3rd Year and 2nd year for final seminar presentation.

Stage 3: Final seminar in the final round shortlisted students prepared a PPT showcasing all the skills and knowledge gained in very presentable way. These presentations were evaluated by a panel that comprised our respected faculties Dr. Deepak Khushalani Sir and Dr. Pradeep Selokar and the final winner from 2nd and 3rd year each was awarded.

From 2nd year Mr. Bharat Loiya was declared winner.

From 3rd year Mr. Sarvesh Tripathi was declared winner.

● **Drama**

This was the Cultural Event 'Manch' conducted to specially award the students of 2 year. This event enabled our students to enhance their communication skills, dialogue, negotiation, socialization. The event was conducted in a monologue type. The event was conducted as follows:

The video of the contestant's monologue was to be submitted in the google form prior to the due date provided. The genre was as per the student's choice and time limit allotted was 3min-5min (max). There was a tie between Mr. Akshat Joshi and Mr. Sarvesh Deshpande and both are from 2nd year.

● **Mini lit Cup**

This event was specifically conducted for students of 2nd year to showcase their talent related to literature and also to create a strong team which would represent EC for Literary Cup. This event was divided into sub events which were:

Debate: The one who speaks Conquers: In this sub-Event, two teams of two people each were given 2 minutes to speak in 2 people will speak for the topic and other 2 will speak against the topic. After Completion of 2 minutes both the teams were given 1 minute in which the judges asked question and 1 member from each team had to answer. The winners for this event were Mr. Akshat Joshi & Ms. Grishma Acharya.

Open Mic: In this event 2nd year Students were given a wonderful opportunity to showcase their talents. Where all the students from all the three years show cased their talents by performing a stand-up Comedy act, reciting a poetry etc.

● **Think Draw and Brand**

In this event 2nd year were asked to showcase their creative side. In this event they were given with few topics to choose from and were asked to

- 1) Design a logo in such a way that it shows off the product you are branding.
- 2) Poster Making

Arnav Verma was declared winner

Ishita Jain was declared runner –up

Overall best poster winners were Miss. Coral Mahato and Miss. Meeti Khandelwal.

● **Shutterstorm**

This event was conducted to specially award the students of 2nd and 3rd year. The reason why this event was conducted is to get students know the importance of photography how it freezes memories and how it captures

the moment in time that you'll be able to remember and cherish years from now. Students showed their photography skills under 2 themes

- 1) Mobile Photography: Abstract Reflection
- 2) DSLR Photography: Long Exposure

The Photograph was to be submitted in the google form prior to the due date provided. Mr. Ayaaz Bungalowala secured 1st position and Master. Shreyank Ladekar secured 2nd position.

● Inceptra

This was the Cultural Event for Dance and Music which was conducted to specially award the students of 2nd and 3rd year. This event enabled our students to showcase their talents in Music (Instrumental and Vocal) and in Dance too. The event was conducted as follows:

The video of the contestants was to be submitted in the google form prior to the due date provided. The duration of the video was set to be 2 mins (max). There were 2 categories:

Music Event (Vocals + Instrumental)

Miss. Abha Soni secured 1st Position in Vocal.

Miss. Sejal Jibhkate secured 2nd Position in Vocal.

Mr. Akshat Joshi secured 1st Position in Vocal.

Miss. Coral Mahato secured 1st position in Instrumental Category.

Mr. Arjun Saxena secured 2nd position in Instrumental Category.

Dance

Miss. Dimple Pawar secured 1st position.

Miss. Meeti Khandelwal secured 2nd position

● Quizzique

This event was conducted as a fun event. In which 3 rounds were conducted where question from the topic Movies and TV shows, Sports, Indian History, Current Affairs and Inventors and Inventions were asked. Each Round was conducted uniquely on Google meet.

Mr. Aditya Jain was declared winner.

Mr. Anurag Khandelwal was declared 1st runner –up

Mr. Satyam Dubey was declared 2nd runner-up

Conference, STTP and Guest Lectures organized in Department

Department of Electronics & Communication Engineering, Shri Ramdeobaba College of Engineering & Management (RCOEM) Nagpur has organized 3rd International Conference on “Electronic Systems, Signal Processing and Computing Technologies (ICESC-2020)” during 4th& 5th December,2020. The conference was organized in association with University of District of Columbia, Washington DC, USA with BSNL; Nagpur & AirTel were knowledge partner, IEEE Bombay Section as Technical sponsorer. Dr. Rajesh Raut was

General Chair, Dr. S.B. Pokle & Dr. P.K. Parlewar was Co-chair and Dr. D.J. Dahigaonkar & Dr. Mridula Korde was the Organizing Secretary of the conference. The conference was inaugurated by the chief guest Mr. Yash Panhekar, GM, BSNL Nagpur and Dr. R. S. Pande, Principal, RCOEM, Nagpur.



Following are the speakers invited at the conference.

Sr. No.	Conference/STTP/ Guest Lecture organized	Speaker (with Affiliation)	Duration	Date
1	Key Note Speaker of ICESC 2020	Mr. Chandruyer, Head of Business Development, South Asia Group, Grant Thornton, London, UK	1 Hour	4 Dec 2020
2	Plenary Speaker of ICESC 2020	Mr. Chetan Hiremath, Senior Principal Engineer at Intel Corporation USA	1.5 Hours	5 Dec 2020
3	Plenary Speaker of ICESC 2020	Mr. Shobhit Joshi, Offering Strategic Leader - Telco & Enterprise Networks (5G & Edge), IBM	1.5 Hours	5 Dec 2020

Any other activity(s):

- The Institute of Engineers (India), Belapur Local Center invited Dr. (Mrs.) Mridula Korde as member of Judges Panel for evaluating proposals for the " IEI BLC-FCRIT Excellence Awards-2021" as a part of 4th Biennial International Conference ICNTE 2027 organized by FCRIT, Navi Mumbai.
- Dr. Pradip Selokar is Certified as Publons Academy Peer Reviewer (Dec 2020) after having completed the Publons Academy Practical Peer Review course to a satisfactory level.
- Dr. S. B. Pokle has worked as Officer In charge Afternoon shift RW2020 Online Examinations conducted during 1st to 28th December 2020 at R.C.O.E.M. Nagpur.
- Dr. D. J. Dahigaonkar has worked as Officer In charge First shift RS2020 Online Examinations at R.C.O.E.M. Nagpur.

Department of Electronics Design Technology

Faculty Corner

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. (Mrs.) D. M. Kotambkar et.al.	Joint Beamforming and Null forming with PSO in Distributed MIMO: An Optimization Approach	International Conference on Electronic Systems, Signal Processing and Computing Technologies, ICESC-2020 (Online)	4 th - 5 th December 2020	--	--	Web of Science

STTP/FDP/other Training Attended by Faculty

Sr. No.	Name of Faculty	STTP/FDP/Training Attended	Duration / Date	Organizers of the Event
1	Dr. (Mrs.) Deepali Kotambkar & Prof. J.B. Zalke	AICTE sponsored One week FDP on "Advances in Biomedical Signal Processing with Hands-on"	5/10/2020-10/10/2020	Cummins College of Engineering for women, Pune
2	Dr. V. E. Khetade, Dr. (Mrs.) Deepali Kotambkar, Prof. (Mrs.) A. M. Gupta & Prof. J.B. Zalke	AICTE Training and Learning (ATAL) one week FDP on "Biosimilar Technology"	23/10/2020 - 27/10/2020	Sardar Patel Institute of Technology, Mumbai
3	Prof. (Mrs.) A. M. Gupta	One week FDP on "Innovation Led Technology Excellence-BETiC VNIT Case Study"	26/10/2020 - 31/10/2020	VNIT Nagpur
4	Dr. J. A. Shrawankar	Webinar on "Design and Simulation of R.F. Modules Using CST Studio Suite 2020.07"	11/11/2020	Jyoti Electronics, Channel Partner Dassault Systemes, Ahmedabad & RCOEM, Nagpur

Departmental Activities

Report on Parent Teacher Meet:

Department of Electronics Design Technology organized online parent teacher meet on 10th October, 2020 on Google meet platform.

At the beginning Dr. J. A. Shrawankar, faculty Incharge, welcomed all the parents and communicated the aim and objectives of the meeting. Dr. (Mrs.) A.A. Khurshid, Head of the Department, thanked and appreciated all the parents for their cooperation and support during this pandemic situation. In her address she has explained the efforts taken by the faculty to conduct the online classes, laboratory sessions and towards student's skill upgradation & placement. Some of the queries by the parents regarding examination schedule and mode of examination were also answered by head of the department.

After the address by head of the department, parents have interacted with the class teachers. Attendance and test performance of students was shared with the parents. Parents were also requested to submit the feedback. All the faculty members were present during the meet.

Report on GENESIS-Student society installation:

The Annual installation function Ethereal of GENESIS- student society of EDT department was organized on 29th October, 2020. The installation was organized online due to the pandemic situation. Mr. Manoj Singh, CEO & MD, DIVLABS Healthcare Pvt. Ltd., New Delhi was the chief guest on this occasion.

Mr. Manoj Singh in his talk stressed upon developing the positive attitude among the students and gave useful tips to develop the right attitude for becoming successful in career. He also discussed the avenues and opportunities in the field of Healthcare and told the students about his company Divlabs Pvt Ltd. He guided the students about the healthcare industries and presented recent trends and developments in the field.

Conference, STTP and Guest Lectures organized in Department

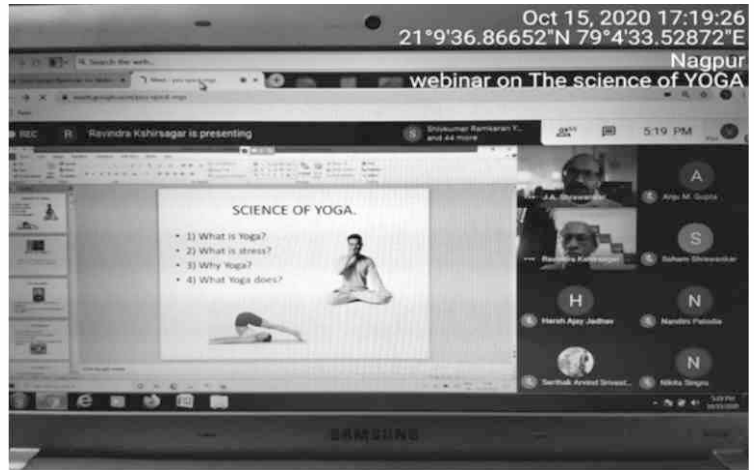
Sr. No.	Conference/STTP/ Guest Lecture organized	Speaker (with Affiliation)	Duration	Date
1	Interactive Webinar on "The Science of Yoga"	Dr. Ravindra Kshirsagar, MBBS, MD, MSc (yoga therapy) General physician Lata Mangeshkar Hospital, Hingna, Nagpur	One day	15/10/2020
2	Guest lecture on "Robotics in Health care"	Mrs. Shreya Bokare, Principal Technical Officer, CDAC Mumbai	One day	17/10/2020
3	Guest lecture on "Biomedical Engineering: An exciting Career Opportunities Connecting Engineering & Technology with Medicine"	Dr. Sumit Raurale, Post-Doctoral Researcher in Physiological data analysis and Machine/Deep learning, Cork, Munster, Ireland	One day	27/10/2020
4	Guest lecture on "Opportunities in BioMedical Engineering"	Mr. Manoj Singh, CEO & MD, DIVLABS Healthcare Pvt. Ltd., New Delhi	One day	29/10/2020

Report of guest lecture on “The Science of YOGA”

An interactive webinar on “The science of yoga” was organized by the Department of Electronics Design Technology on 15th October 2020. Dr. Ravindra Kshirsagar, MBBS, MD, MSc (yoga therapy) and currently working as General physician at Lata Mangeshkar Hospital, Hingna, Nagpur was the invited guest on the occasion.

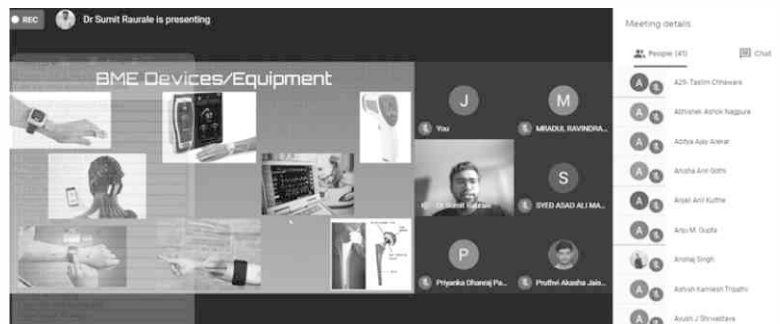
During the session Dr. Kshirsagar, started with the basic meaning of Yoga and stressed that yoga is neither a magic nor a rope trick nor it is only Asanas and pranayama, it is much more than that. He has also discussed Patanjali yoga sutras that are 4000 years old. Dr. Kshirsagar also explained

ashtanga Yoga as stated by Patanjali which are yama, niyama, asana, pranayam, pratyahara, dharna, dhyan and samadhi. As it was an interactive webinar, many students and faculties asked their queries about the yoga and its practicing methods. More than 55 students and faculty members from both the branches were benefited from the session. Dr. J. A. Shrawankar coordinated the session.



Report on Guest Lecture by Dr. Sumit Raurale

GENESIS-student society of department of Electronics Design Technology has organized online guest lecture by Dr. Sumit Raurale, Post-Doctoral Researcher in Physiological data analysis and Machine/Deep learning, Cork, Munster, Ireland on 27th October, 2020. The topic of lecture was “BioMedical Engineering: An exciting Career Opportunities Connecting Engineering & Technology with Medicine”. During the session Dr. Sumit Raurale, has focused on the major fields available like Development of Medical Devices, Medical data and image processing etc. During his presentation, he discussed about the various career opportunities available for a Biomedical Engineer. He has also encouraged the students to undertake their major project in the area of Biomedical Engineering.



Students' Corner

Toppers List

Sr. No.	Second Year	Third Year	Fourth year
1.	B. Aishwarya Pravat Kumar Barik	Anjali Anil Kulthe	Rohit Ramchandra Bherwani
2.	Aditi Sanjeev Agrawal	Shraddha Sanjay Gaware	Suraj Raju Dhenge
3.	Riya Manoj Lalwani	Nandini Uttamkumar Patodia	Pallavi Jagdish Shende & Sanjana Sanjay Mundra

Student Achievements

Sr. No.	Name of Student	Event	Achievement	Date
1	Syed Asad Ali Madni	Secured 3rd rank in singing male junior category in competition named TALAASH - Season 2 INDIAN ONLINE TALENT HUNTS.	3 rd Winner	30/7/2020

Student's Placement 2021 batch

Sr. No.	Name of Student	Company Name
1.	Anisha Gothi	Capgemini
2.	Anjali Kulthe	Tata Consultancy Services
		Accenture
3.	Bhumika Mundada	Capgemini
		Cognizant
4.	Nadini Patodia	DXC Technology
		L & T Infotech
		Tata Consultancy Services
5.	Nikita Singru	Cognizant
		L & T Infotech
		Tata Consultancy Services
6.	Ayush Shrivastava	Cognizant
7.	Omkar Tokekar	Birlasoft
		Capgemini
8.	Mohit Agrawal	Capgemini
		Infosys
		Cognizant
9.	Pruthvi Jaiswar	Birlasoft
		Capgemini
		Tata Consultancy Services
		Cognizant
10.	Shraddha Gaware	Infosys
		Tata Consultancy Services
11.	Sejal Bajaj	Capgemini
12.	Tanishq Tiwari	Verzeo
13.	Swarn Zargar	The Climber
14.	Riddhi Raut	The Climber

Student Internship

In order to get the practical exposure of the industries, students are encouraged to undertake industry internship. During the last semester following students have successfully completed the internship at various organizations.

S. No.	Name of the student	Sem.	Institute/Organization/Industry	Date	Duration
1	Sanyam Chandak	V	Climber Knowledge and Careers Pvt. Ltd. (Online)	01/07/2020 to 15/08/2020	6 weeks
2	Krutika Paliwal	V	Climber Knowledge and Careers Pvt. Ltd. (Online)	01/07/2020 to 31/07/2020	1 Month
3	Vedant Vyas	V	Climber Knowledge and Careers Pvt. Ltd.	02/07/2020 to 01/08/2020	1 Month
4	Sarthak Shrivastava	V	Unschool, Hyderabad (Online)	02/09/2020 to 02/10/2020	4 weeks
5	Achal Kubade	V	Pictorial Systems (Online)	16/06/2020 to 16/08/2020	8 weeks
6	Samiksha Paturde	V	Unschool, Hyderabad (Online)	09/09/2020 to 09/10/2020	4 weeks
7	Krushna Gattani	V	Intershala Tranings (Online)	07/07/2020 to 31/08/2020	8 weeks
8	Himal Asawa	V	Intershala Tranings (Online)	15/07/2020 to 09/09/2020	8 weeks
9	Sakshi Kubade	V	Intershala Tranings (Online)	15/07/2020 to 09/09/2020	8 weeks
10	Sahil Rathi	V	Intershala Tranings (Online)	4/07/2020 to 14/09/2020	2 Months
11	Riya Lalwani	V	Alentar Electric LLP(Online)	20/08/2020 to 20/10/2020	2 Months
12	Shruti Upadhyay	III	Climber Knowledge and Careers Pvt. Ltd. (Online)	01/07/2020 to 31/07/2020	1 Month
13	Bhavesh Bhaisare	III	Innovistic Tech (Online)	01/07/2020 to 31/08/2020	2 Months
14	Samarth Kushwaha	VII	Shine Projects	23/06/2020 to 23/07/2020	1 Month

Department of Industrial Engineering

Faculty Corner

Faculty Achievements

Sr. No.	Name of Faculty	Details of Achievements
1	Mangesh Joshi	Successfully completed 12 week NPTEL course on "Applied Ergonomics" with Silver + Elite category of certificate
2	Mangesh Joshi	Successfully completed 12 week NPTEL course "Data Analytics with python" with Elite category of certificate.
3	Dr. Priya M. Khandekar	Successfully completed NPTEL course on "Applied Ergonomics" with Silver + Elite category of certificate
4	Dr. Rashmi B. Shahu	Successfully completed NPTEL course on "Applied Ergonomics" with Silver + Elite category of certificate
5	Dr. Priya M. Khandekar	Successfully completed NPTEL course on "Work System Design" with Gold + Elite category of certificate
6	Dr. T. A. Madankar	Successfully completed NPTEL course on "Innovation by Design"
7	Prof. Sahil Tripathi	Achiever Award for IT Innovation in Training and Placement by Global Talent Track.
8	Prof. Mangesh Joshi	Prof. Mangesh Joshi has acted as a peer reviewer for BioMed Research International and Ergonomics (Taylor and Francis group)

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. T. A. Madankar	Ergonomic Workstation Design for Welding Operation -A Case Study	IPRoMM - 2020 (Online) at BITS Hyderabad	20 - 22 Dec 2020	--	--	---

STTP/FDP/other Training Attended by Faculty

Sr. No.	Name of Faculty	STTP/FDP/Training Attended	Duration / Date	Organizers of the Event
1	Dr. Yogesh V. Deshpande	Online FDP on monitoring and Manufacturing	14 th to 18 th Dec 2020	VNIT, Nagpur
2	Dr. T. A. Madankar	Training completed at CIIT, RCOEM, Nagpur, on 3-D Printing and Scanning in Nov 2020.	9 th to 11 th Nov 2020	CIIT, RCOEM, Nagpur

3	Dr. T. A. Madankar	Research Methodology: Tools and Techniques	30 th Nov - 04 th Dec, 2020 (STTP)	Department of Mechanical Engineering, SVNIT Surat.
4	Dr. V. S. Deshpande	Coursera Online course on “Inspiring Leadership through Emotional Intelligence”	17 th December 2020	Coursera
5	Dr. Ashwin Chatpaliwar	Attended webinar on “Insights of NIRF and ARIIA Ranking”	15 th December 2020	COEP, Pune

Departmental Activities

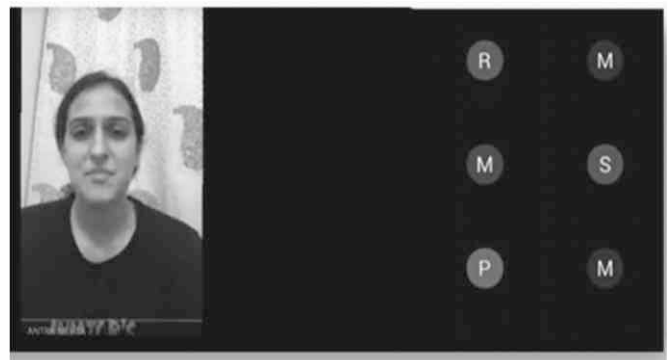
Parents Meet

The Parent Teacher Meet for III semester was organized on 3rd October 2020 and V and VII semester was on 10th October to discuss the academic performance of the students on Saturday from 11.00 am to 01.00 pm online. The students were present with their parents and interacted with the teachers regarding online classes, performance in T1, Placement and Other. 31 Parents were interacted with the teachers.



Online Interaction with Alumni Antra Mehta on “Her journey from Industrial Engineering to Indian Air Force”

On Friday, 30th October 2020, the Industrial Engineering Society and IIIIE, Nagpur Chapter organized an alumni talk with Miss Antara Mehta, Flying Officer, Indian Air Force. Antara Mehta is now the first woman fighter pilot from Maharashtra and tenth woman fighter pilot in India. She is alumni of the Industrial Engineering Department, RCOEM. In her interaction, she talked about her journey from Industrial Engineering to Indian Air Force and her determination to join Indian Air Force. During her talk she told students that she started her preparations from III semester and also how she prepared herself for her dream. She also shared her experience about the Air Force Academy and emphasized on the importance of Industrial Engineering subjects in IAF. The session ended where she answered all the questions asked by curious students. The session was coordinated by Dr. Yogesh Deshpande, Prof In-charge, IES and Mr. Sahil Tripathi. The program was ended with a vote of thanks given by the Meher Shantanu Singh, Secretary, IES.



Guest lecture on “Scope of Industrial engineering in current scenario”

Department of Industrial engineering along with IIIE, Nagpur chapter organized a guest lecture “Scope of Industrial engineering in current scenario” by K.R.S. Bharathi Kiruba, Chief Officer, Corporate industrial engineering and manufacturing Excellence. On 18th October, 2020. More than 70 students of Industrial engineering attended the session. It was highly interactive sessions which gave students better insights of IE in this current pandemic situation.

Guest lecture on “Becoming Project Manager through Artificial Intelligence”

Department of Industrial engineering along with IIIE, Nagpur chapter organized a guest lecture “Becoming Project Manager through Artificial Intelligence” by Mr. Deepak Jindal, Project Manager SAP on 22nd October, 2020. More than 80 students of Industrial engineering attended the session. The session was highly knowledgeable for students.

Students' Corner

Student Achievements

Sr. No.	Name of Student	Event Type	Event Name	Organizing Agency	Achievement	Date
1	Dishank Khandelwal	Internship	Operation internship	Internshala	Participated	06-10-2020
2	Shriyash Agrawal	Online Courses	Online Courses	Udemy	Multiple online course completed	16-10-2021
3	Shashank Deshmukh	Online Courses	NPTTEL Certification Course	IIT	Participated	18-12-2020
4	Akshar Guha	Online Courses	Graphic Design	Coursera	Completed	01-10-2020
			Block Chain	Coursera		08-10-2020
			Excel Skills for Business: Intermediate II	Coursera	Completed	08-10-2020
			Excel Skills for Business: Advanced	Coursera	Completed	16-10-2020
5	Bushra Haque	Online Courses	Data Science	Udemy	Completed	09-10-2020
6	Bushra Haque	Online Courses	Tableau	Udemy	Completed	19-11-2020
7	Faizan Sheikh	Online Courses	Six sigma Advanced	Coursera	Completed	12-10-2020
8	Samrat Betal	Online Courses	Introduction to Human Physiology	Coursera	Completed	28-12-2020

9	Parag Gawate	Online Courses	Python language	Atlanta computer institute	Completed	16-12-2020
10	Harshwardhan Mahesh Shahu	Internship	Internship	Alestar Electric	Completed	20-10-2020
11	Sahil Chopkar	Online Courses	Remote Sensing of Land Degradation	Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun	Participated	01-12-2020
12	Shivam Rathi	Quiz Competition	My Nep Quiz competition	Mynep	Participated	09-10-2020
		Online Courses	Organizational Behavior: How to Manage People	Coursera	Completed	09-10-2020
		Online Courses	Essentials of Entrepreneurship: Thinking & Action	Coursera	Completed	27-11-2020
13	Krishna Chaturvedi	Internship	Online Internship	ZILA (Giscle System Pvt.Ltd.)	Internship	29-10-2020 to 13-11-20.
		Marketing Internship	Shine Projects	Internshala	Internship	15-10-2020
		Online Courses	Introduction to Psychology	Coursera	Completed	13-10-2020

Department of Information Technology

Faculty Corner

Faculty PhD Awarded:

Prof Rakesh K. Kadu of Department of Information Technology has completed his PhD in Computer Science and Engineering. The title for thesis was “Development of Security Framework using Elliptic Curve Cryptography for Wireless Communication” under the guidance of Dr. D. S. Adane.

Guest Lectures taken by faculty

Sr. No.	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
1	Dr. D. S. Adane	IPV6 and transition from IP4 to IPV6	10 th December 2020	Computer Science and Engineering Department, Government College of Engineering, Nagpur
2	Dr. Padma D. Adane	Adhoc Networks and Routing Protocols	30 th November 2020	Computer Science and Engineering Department, Government College of Engineering, Nagpur
3	Dr. Padma D. Adane	Network Security Protocols	10 th December 2020	Information Technology Department, PIET, Nagpur

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. D. S. Adane	A Novel Model for Healthcare Emergency using Fog Computing	Bioscience Biotechnology Research Communications (BBRC)	2020	Print ISSN: 0974-6455; Online ISSN: 2321-4007.	Special Issue Vol. 13 No (14) 2020, Pages 59-61.	ESCI
2	Dr. D. S. Adane	Survey and Research Issues in Data Stream Mining	Bioscience Biotechnology Research Communications (BBRC)	2020	Print ISSN: 0974-6455; Online ISSN: 2321-4007.	Special Issue Volume 13 No (14) 2020, Pages 146-149	ESCI
3	Dr. D. S. Adane	Improved K-Means Clustering Algorithm Based on KD-Tree Approach	Bioscience Biotechnology Research Communications (BBRC)	2020	Print ISSN: 0974-6455; Online ISSN: 2321-4007.	Special Issue Volume 13 No (14) 2020, Pages 160-163	ESCI
4	Dr. D. S. Adane	Improved Parallel DBSCAN Algorithm Based on Radix Sort	Bioscience Biotechnology Research Communications (BBRC)	2020	Print ISSN: 0974-6455; Online ISSN: 2321-4007.	Special Issue Volume 13 No (14) 2020, Pages 164-168	ESCI
5	Ashish Chandak	A Novel Model for Healthcare Emergency using Fog Computing	Bioscience Biotechnology Research Communications (BBRC)	2020	Print ISSN: 0974-6455; Online ISSN: 2321-4007.	Special Issue Volume 13 No (14) 2020, Pages 59-61.	ESCI
6	Ashish Chandak	Multi Agent based Resource Provisioning in Fog Computing	3rd International Conference on Computational Intelligence, Security & IoT (ICCISIoT), IT Agartala	28-29 December, 2020	---	---	Scopus
7	Dr. Madhuri Tayal	Development of an Approach for Discourse Analysis of Natural Language	Bioscience Biotechnology Research Communications (BBRC)	2020	Print ISSN: 0974-6455; Online ISSN: 2321-4007.	Special Issue Volume 13 No (14) 2020, 129-132	ESCI

8	Dr. Madhuri Tayal	Automatic Text Summarization for Code-Mixed Language using Fuzzy Logic	Bioscience Biotechnology Research Communications (BBRC)	2020	Print ISSN: 0974-6455; Online ISSN: 2321-4007.	Special Issue Volume 13 No (14) 2020, 129-132	ESCI
9	Prof. P. V. Kokardekar	Automatic Text Summarization for Code-Mixed Language using Fuzzy Logic	Bioscience Biotechnology Research Communications (BBRC)	2020	Print ISSN: 0974-6455; Online ISSN: 2321-4007.	Special Issue Volume 13 No (14) 2020, 129-132	ESCI
10	Dr. R. K. Kadu	A Novel Model for Healthcare Emergency using Fog Computing	Bioscience Biotechnology Research Communications (BBRC)	2020	Print ISSN: 0974-6455; Online ISSN: 2321-4007.	Special Issue Volume 13 No (14) 2020, Pages 59-61.	ESCI

STTP/FDP/other Training Attended by Faculty

Sr. No.	Name of Faculty	Course Name	Duration / Date	Organizers of the Event
1	Dr. Padma D. Adane	Linux Server Management and Security	5 Weeks	Coursera
2	Dr. Padma D. Adane	Industry training on "Openshift"	8 Days	MasyCoDa Solutions Pvt. Ltd.
3	Dr. Padma D. Adane	Introduction to Internet of Things	12 Weeks	NPTEL

Departmental Activities

Parents Meet, Alumni Meet and Departmental Installations or Events:

The Parent Teachers meet was organized by the Department of Information Technology on 10th October, 2020 for III, V and VII semester IT. The academic Performance of the students was discussed with the Parents. Handouts were provided that highlighted the achievements of the students, staff and the activities organized by the Department. Dr. D. S Adane, Head of the Department took the feedback and suggestions of the parents for overall improvement of the department.

Conference, STTP and Guest Lectures organized in Department

S.No.	Guest Lectures	Speaker (with Affiliation)	Duration	Date
1	Guest Lecture on Interview Skills	Mr. Sarang Dewaikar, Service Excellence Lead, TietoEVRY, Pune	1 Hour	9 th October
2	Guest Lecture on Data Analytics	Mr. Shahid Ansari, Chief Business Analyst Tsecond Generation Technology Pvt. Ltd.	1 Hour	30 th December
3	Webinar on Cryptography and Network security	Dr. B. L. Parne	2 Hours	30 th October

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

Sr. No.	Name of Student	Event	Achievement	Date
1	Madhav Mundhada	Newton's coding challenge September 2020	Ranked 130	September 2020
2	Dhanada S. Kapre Madhura Landge Simran Singh Pranati Pandey Tanay Dandekar	Published a paper entitled "Impact of Covid-19 On Cyber Security" at Seybold journal (Scopus indexed)	Published a paper	October 2020
3	Vedant Newade Varunesh Agrawal Mitesh Yelekar Parthsingh Pahuja	Published a paper entitled "Impact of Covid-19 On Start-ups" at Seybold journal (Scopus indexed)	Published a paper	October 2020
4	Laxmikant Kabra Sarang Awale Shubh Popat Rahul Tilokani	Published a paper entitled "Impact of Covid-19 On Tourism and Travel Industry in India" at Seybold journal (Scopus indexed)	Published a paper	October 2020
5	Hardik Singhavi Nikhil Rathi Shubham Dhanuka	Published a paper entitled "Impact of Covid-19 On Real Estate Sector" at Seybold journal (Scopus indexed)	Published a paper	October 2020
6	Deepanshu Shahu Akshat Shahu	Published a paper entitled "Impact of Covid-19 On International Relationships" at Seybold journal (Scopus indexed)	Published a paper	October 2020
7	Aman Kumar Ankur Gupta Ankush Tickoo	Published a paper entitled "Impact of Covid-19 On Boon to Gaming Industry due to Covid-19" at Seybold journal (Scopus indexed)	Published a paper	October 2020
8	Mansi Agrawal and Hanry Bhalodia	Published a paper entitled "Impact of Covid-19 On Middle class Society in India" at Seybold journal (Scopus indexed)	Published a paper	October 2020

9	Manish Singh and Shivam Dhakate Gaurav Agrawal Faizal Budhwani	Published a paper entitled "Impact of Covid-19 On Indian Economy" at Seybold journal (Scopus indexed)	Published a paper	October 2020
10	Bhumika Gajrani and Akansha Khandale	Published a paper entitled "Ecommerce and Covid-19: Dawn of Digital Era" at Seybold journal (Scopus indexed)	Published a paper	October 2020

TEACHERS' ACCOMPLISHMENTS:

- Dr D. S. Adane has filed a patent titled "A Robotic device for Spraying Pesticide" on 22-12-2020.
- Dr P. D. Adane published a copyright on "Global systems for Mobile Communications (GSM) on 1/10/2020.
- Dr M. A. Tayal has been granted a patent titled "Communication System using Morse code for visually impaired people" on 30-10-2020.

BEYOND ACADEMICS:

- 80.59% of 2020-21 Batch eligible IT students got placed through campus drive till 29th January 2021.
- Top IT companies like Principal Global, BirlaSoft, Persistent, Infosys, VmWare, Capgemini, Cognizant, TCS, Fresh Gravity, Infocepts, L&T Infotech selected 54 students from the Department.
- 45 students from VIII semester went for a full time six month internship in various companies like VmWare, Siemens, Cognizant, TCS, Persistent, McAfee, Fresh Gravity, Principal Global from the Department.
- The placement details of department for the session 2020-21 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(Hack With Infy)	2
6	Hexaware	3
7	TCS	7
8	Infosys(Specialist Programmer)	1
9	L&T Infotech (T1)	13
10	L&T Infotech (T2)	3
11	Accenture	28
12	VmWare	1
13	Capgemini	16
14	Infocepts	1
15	Infosys	8
16	Cognizant	21
17	TCS(Digital)	1

Department of Mechanical Engineering

Faculty Corner

Faculty PhD Awarded

- 1) Prof. Ashish D. Urade, Assistant Professor in Mechanical Engineering, has been awarded with Ph.D. in Mechanical Engineering by RTM Nagpur University recently. The topic of his research was "Parametric Analysis and Performance Measures in Electric Discharge Machining". He carried out the research under the guidance of Dr. V. S. Deshpande, Professor and Head, Industrial Engineering, RCOEM.
- 2) Prof. Shantanu R. Kulkarni, Assistant Professor in Mechanical Engineering Department has been awarded with Ph.D. in Mechanical Engineering by RTM Nagpur University recently. The topic of his research was "Investigation and Evaluation of Critical Success Factors and Performance Improvement in Manufacturing Units through Quality Circles". He carried out the research under guidance of Dr. Arun P. Kedar, Professor at DBACER, 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 Sandeep S Joshi	Solar Photovoltaic Thermal Systems in Faculty Development Programme (FDP) on "Advancement in Renewable Energy"	14 th December 2020	Government College of Engineering Nagpur

STTP/FDP/other Training Attended by Faculty

Sr. No.	Name of Faculty	STTP/FDP/Training Attended	Duration / Date	Organizers of the Event
1	Dr Gajanan R Nikhade	NPTEL Course on Introduction to Robotics (Sept- Dec 2020)	12 Weeks	NPTEL - Swayam
2	Dr Mrs Swati D Moghe	AICTE Sponsored STTP on Advanced Techniques in Modeling and Analysis for Materials and Manufacturing Processes	1 Week	VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad
3	Dr. Shantanu Kulkarni	AICTE AQI S Sponsored STTP on Morals, Ethics and Values in Education (Oct 2020)	1 Week	Government Polytechnic Nagpur
4	Dr. Shantanu Kulkarni	TEQIP-III Sponsored STTP on Research Methodology: Tools and Techniques (Nov-Dec 2020)	1 Week	SVNIT Surat

Departmental Activities

Student Achievements

Sr. No.	Name of Student	Event	Achievement	Date
1	Mohit N Katekar	NPTEL Online Course on Rocket Propulsion	Successfully completed and secured 97 %	Result declared in Dec 2020

Department of Chemistry

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. A. V. Bharati	Current and Future Trends of Advances in Material Science and Technology	7 th -12 th December	AICTE sponsored FDP at Suryodaya College of Engineering & Technology, Suryodaya Polytechnic, Nagpur
2	Dr. A. V. Bharati	Current and Future Trends of Advances in Material Science and Technology	21 st -26 th December	AICTE sponsored FDP at Suryodaya College of Engineering & Technology, Suryodaya Polytechnic, Nagpur

STTP/FDP/other Training Attended by Faculty

Sr. No.	Name of Faculty	STTP/FDP/Training Attended	Duration / Date	Organizers of the Event
1	Dr. A. V. Bharati	FDP	4 weeks	NPTEL
2	Dr. S.L. Mudliar	FDP	4 weeks	NPTEL
3	Dr. Priti Mangrulkar	FDP	4 weeks	NPTEL
4	Dr. C. P. Pandhurnekar	FDP	1 day	Navjivan Centre for Development

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 (Online Webinar)	Dr. T. Balakrishna Poduval Former Professor, Homi Bhabha National Institute, Former Head, Immunology and Hyperthermia Section, BARC, Mumbai	1 day	19 th Dec 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. D. Mehra	Role of Citizens in conservation of environment	17 th October 2020	Dr. Ambedkar Institute of Management studies and Research, Nagpur
2	Dr. D. Mehra	Camera the cupid! Journey of a hobbyist	20 th November 2020	CEAT limited, Nagpur
3	Dr. V. H. Asudani	Fundamental value of Indian Constitution with special reference to today's fast changing time	26 th November 2020	The literary club, PCE, Nagpur
4	Dr. V. H. Asudani	Role of society and disabled	3 rd December 2020	RTM Nagpur University, Nagpur

Publications/Presentations

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. M. R. Seth and Prof. S. Uparkar	Gender difference in handling conflicting style in the Hotel industry of Nagpur	Rethinking Gender: Perspectives from Literature and Society, Organised by VNIT, Dept. of Humanities and Social Sciences, Nagpur	19 th and 20 th December 2020	--	--	---

Faculty Corner

Department of Physics

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. Shilpa Kulkarni	Optical Detection of Thermal Expansion of a Sub- Micrometer Thin Film	3rd International Conference on Material Science, Smart Structures and Applications (ICMSS 2020)	15-16 Oct, 2020	--	--	---
1	Dr. Renuka Nafdey	"Solar Energy for Sustainable Development of a Smart City"	Springer Book Chapter With ISBN No : ISBN 978-3-030-53149-2	2 October 2020	ISBN 978-3-030-53149-2	https://link.springer.com/book/10.1007/978-3-030-53149-2	---

STTP/FDP/other Training Attended by Faculty

Sr. No.	Name of Faculty	STTP/FDP/Training Attended	Duration / Date	Organizers of the Event
1	Dr. Shilpa Kulkarni	Laser Fundamentals and Applications	14 Sep 2020 to 06 Nov 2020 8 weeks	NPTEL
2	Dr. Renuka Nafdey	“Green Audit Documentation Training”	4 th December 2020.	Shreyas Quality Management System and RCOEM

Department of Mathematics

Faculty Corner

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. R. G. Ghumde	Solvability and Polycyclicity of Group of IA-Automorphisms	JP Journal of Algebra, Number Theory and Applications	November 2020	ISSN: 0972-5555	http://dx.doi.org/10.17654/NT048020203	Web of Science

STTP/FDP/other Training Attended by Faculty

Sr. No.	Name of Faculty	STTP/FDP/Training Attended	Duration / Date	Organizers of the Event
1	Prafulla Bagde	Three Week Faculty Development Program	01/12/2020 to 23/12/2020 - 21days	St. Francis De Sales College, Nagpur
2	Prafulla Bagde	STTP on Probability and Queueing theory	Nov 30,2020 to Dec 04,2020 / 5days	Online, Dept. of Humanities & Sciences(Mathematics), Rajalakshmi Institute of Technology, Chennai
3	Prafulla Bagde	STTP on Applications of Mathematics in Research Methodology and Emerging Technologies.	Oct 12,2020 to Oct 16,2020 / 5days	Department of Mathematics, Hyderabad Institute of Technology and Management.
4	Prafulla Bagde	5-day FDP on Applications of Mathematics and Statistics in Engineering	Nov 23,2020 to Nov 27,2020 / 5days	Online, Department of Mathematics, Malla Reddy Engineering College (Autonomus)
5	R. G. Ghumde	Online TEW on “Linear Algebra and its Applications”	Nov 19,2020 to Dec 13, 2020 / 24days	IIT Jodhpur

6	R. G. Ghumde	STTP on Probability and Queueing theory	Nov 30,2020 to Dec 04,2020 / 5days	Online, Dept. of Humanities & Sciences(Mathematics), Rajalakshmi Institute of Technology, Chennai
7	R. G. Ghumde	Webinar on National Mathematics Day, Achievements of the Great Mathematician and Applications of Graph theory	Dec 22,2020 /1day	Dept. Of Science and Humanities-Mathematics
8	P. A. Saoji	STTP on Probability and Queueing theory	Nov 30,2020 to Dec 04,2020 / 5days	Online, Dept. of Humanities & Sciences(Mathematics), Rajalakshmi Institute of Technology, Chennai
9	P. A. Saoji	Workshop on Advanced Statistical Analysis using SPSS	December 14-18,2020 / 5days	Online Kristu Jayanti College, Autonoumous, Bengaluru
10	M. S. Patne	Workshop on Advanced Statistical Analysis using SPSS	December 14-18,2020 / 5days	Online Kristu Jayanti College, Autonoumous, Bengaluru
11	M. S. Patne	Workshop on Machine learning	Dec 29,2020 / 1days	Online, MASJCE Chennai & MSEC Kilakarai
12	M. S. Patne	STTP on Green Audit Documentation Training	Dec 04,2020 / 1days	Online Shreyash Quality Management System
12	P. O. Bagde	Workshop on Machine learning	Dec 29,2020 / 1days	Online, MASJCE Chennai & MSEC Kilakarai

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 Organized on "Application of Linear Algebra in Computer Science Engineering and Information Technology"	1) Prof. Anantnarayan Hariharan, Associate Professor, IIT Bombay 2) Prof. Arunkumar Patil, Associate Professor, Guru Gobind Singhji Institute of Engineering and Technology, Nashik	1 day (10am to 1pm)	26/11/2020

Any other activity(s):

- Dr. R. G. Ghumde has made the contribution as a mentor for the Online Foundation Course in Mathematics (OFCM-2020) held online during 04th-24th October, 2020. The Programme, organised by the MTTTS Trust, was funded by the National Board for Higher Mathematics, DAE, Govt. Of India, and K. C. College, Mumbai. The contribution of Dr. R. G. Ghumde was well-acknowledged by the participants of the programme and has gone a long way in making the programme successful.

Department of Physical Education

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	Saket Kanetkar	Basketball injuries and post COVID Scenerio	5 th October 2020	Vasantrao Naik Government Institute of arts and social works, Nagpur

STTP/FDP/other Training Attended by Faculty

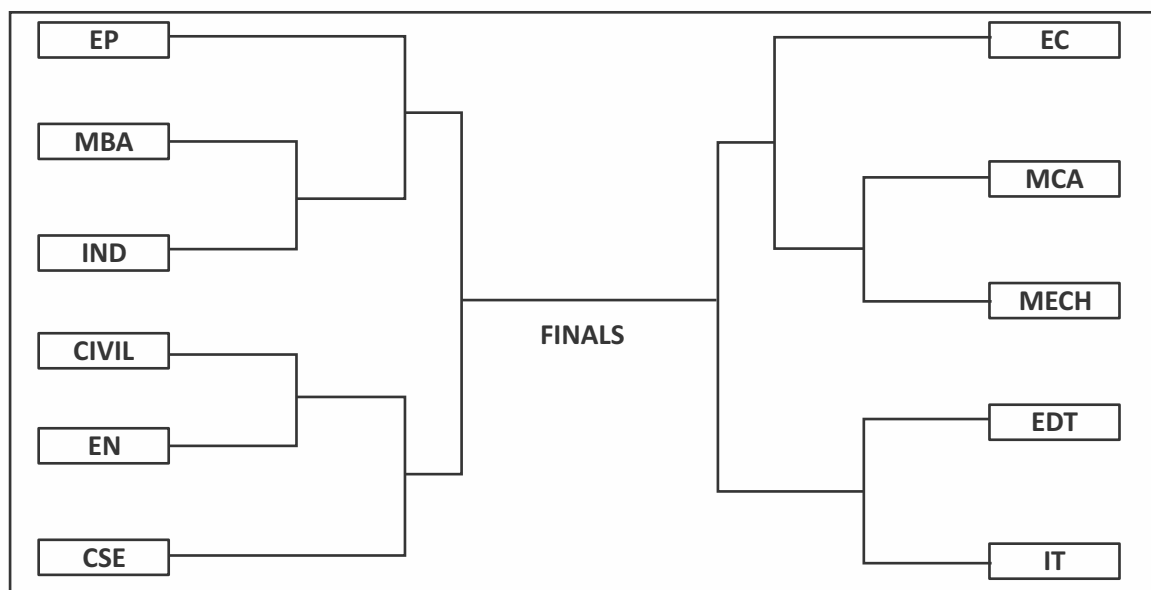
Sr. No.	Name of Faculty	STTP/FDP/Training Attended	Duration / Date	Organizers of the Event
1	Dr. Amit Anurag	Refresher course	2 weeks	HRDC, INIPE , Gwalior
2	Saket Kanetkar	FDP on Stress Management	4 weeks	NPTEL

Departmental Activity

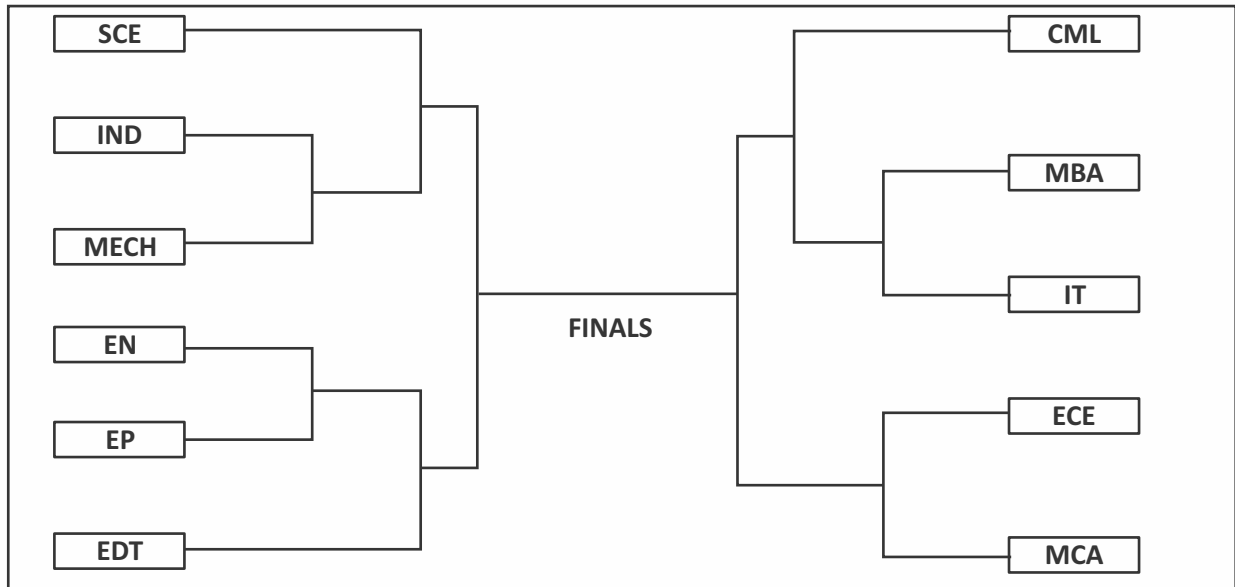
Inter Branch Cup Chess 2020-21

This year an inter branch Chess tournament was organized by Department of Physical Education which was conducted this year through an online platform CHESS.COM. Every branch participated in the chess branch cup. Fixtures were done online on Google meet by SS and JSS were sport secretary of each branch was present.

CHESS MEN



CHESS WOMEN



The format was team of 5 for both boys and girls. It was a rapid chess of 15/10 (15 minutes and 10 seconds increment). To avoid online cheating total 24 arbiters were assigned from 2nd year. Each and every match was proctored by an arbiter. 2 arbiters were assigned in a single match, 1 for each player.

The matches were schedule on holidays and weekends and it lasted for about 3 weeks. (Meeting URL: <https://meet.google.com/vac-keex-bwf>)

Finals were conducted on 14th October 2020. This year total 11 team in Men's with 53 students and 10 teams in women's section with 39 students participated.

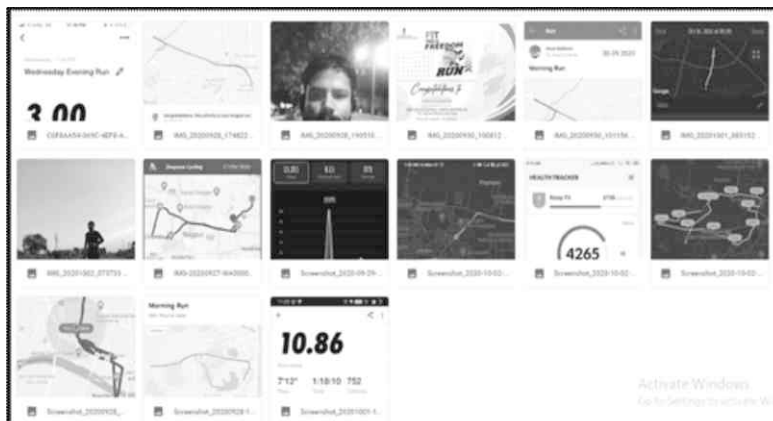
RESULTS OF INTER BRANCH CHESS TOURNAMENT 2020-21

PLACE	Men		Women	
	BRANCH	NAME	BRANCH	NAME
1	Civil	1. Aadip Umale 2. Ameya Shrivastava 3. Akhilesh Hardas 4. Ayush Gandhi 5. Akash Parbat	Mechanical	1. Gautami Thakare 2. Kavya Chaudhary 3. Madhura Kuthe 4. Reema Marathe 5. Maliha Chini
2	Mechanical	1. Prasannakartik Addepalli 2. Purvesh Rode 3. Sangeet Khule 4. Soham Wagh 5. Milind Kelkar	ECE	1. Nirali Mehta 2. Shivani Agrawal 3. Radha Pawar 4. Coral Mahato 5. Riddhi Gangbhoj
3	Electrical	1. Shivam Thakur 2. Saurabh Patel 3. Abhishek Shukla 4. Vihang Patra	IT	1. Purvanshika S.bhoot 2. Varidhi Shrivastav 3. Manvi Jaiswal 4. Sakshi Shirish Nakhate 5. Vinisha Kishnani



RCOEM FIT INDIA FREEDOM RUN FOR "RAMIANS"

As per the directives from government of India and ministry of youth affairs and sports to organize fit India freedom run for students and faculty between 15th August 2020 to 2nd October 2020. RCOEM's department of physical education has organized RCOEM Fit India Freedom Run for "RAMIANS" from 30th September to 2nd October 2020. The concept of a freedom run is one can run/walk along a route of his/her choice, at a time that suits him/ her. One can even take breaks during such run/ walk. Basically, one runs his own race and times his own pace.



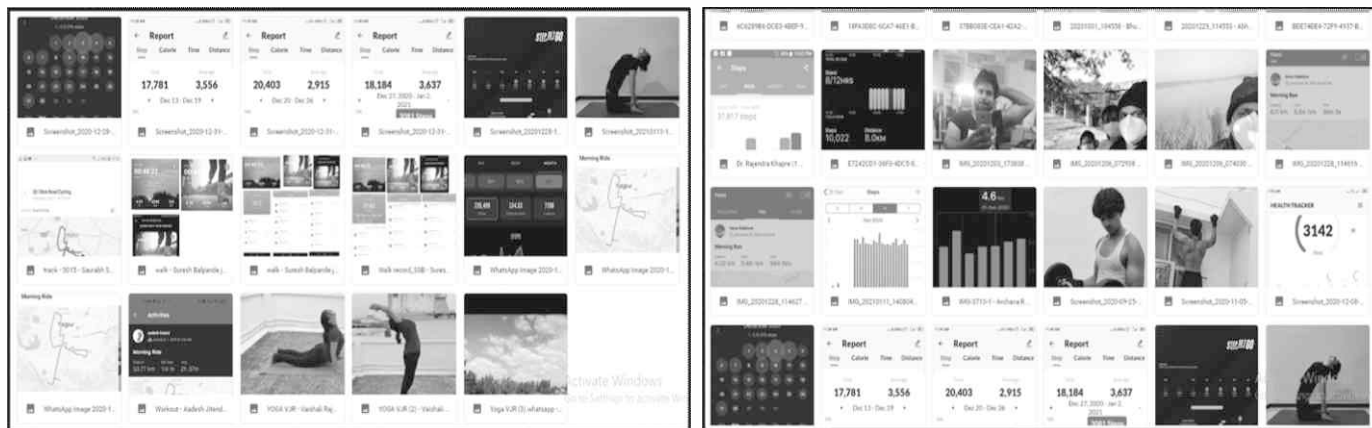
List of the Participants Participated in the RCOEM fit India freedom run for "RAMIANS" from 30th September to 02nd October 2020

S.N	NAME	GENDER	CATEGORY	BRANCH
1	Y. M. SONKHASKAR	MALE	Faculty	MECH
2	PRASHANT HIWASE	MALE	Faculty	CIV
3	RUSHIKESH VINOD POLAWAR	MALE	Students	CSE
4	AISHWARYA VIPIN VYAS	FEMALE	Students	EN
5	VYANKATESH NILESH BAHETI	MALE	Students	EN
6	VARUN ASHOK KALBHORE	MALE	Students	CSE
7	VINIT YADAV	MALE	Students	EE
8	NIPUN PRAVEEN SINGHAL	MALE	Students	IT
9	ABHIRAM SHRIKANT PANDE	MALE	Students	IND
10	ANSHUMAN NIRMESH PRAJAPATI	MALE	Students	IND
11	KARTIK KISHOR PATEL	MALE	Students	MECH

RCOEM CAMPAIGN IN DECEMBER 2020
‘‘फिटनेस का डोज़ - आधा घंटा रोज़’’
UNDER THE AEGIS OF FIT INDIA MOVEMENT
 (Department of Sports, Ministry of Youth Affairs and Sports)

Based on the call of our honorable PM Mr. Modi, fit India advocating the message ‘‘फिटनेस का डोज़ - आधा घंटा रोज़’’ campaign in December 2020. Under this initiative physical education department of RCOEM has conducted activities in December 2020 to promote fitness amongst faculty, staff and students.

As part of the fit India movement, RCOEM always actively promoted fitness. Through this campaign, we could create awareness and the advantages of staying fit and could motivate people to make any physical activity as a part of their daily routine. To take part in this campaign students/ faculty / staff/ families to take part in fitness activities at their own place and also encourage others to do so during the December month. Faculty staff and students have enthusiastically participated in the event. Total 22 participants from RCOEM participated in the above event. All the participants were instructed to use Google fit, strava app or any other tracking app to measure their Activity. After completing the activity all the participants uploaded the screenshot of the activity on Google form.



Department of Computer Application

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	Satyajit S. Uparkar	Role of ICT and Data Processing in Social Science Research	05 th Nov, 2020	GS College of Commerce, Wardha

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. Abhijeet Ramesh Thakare	“Patient Health Monitoring System Using Blue Eye Technology and IoT”	International Conference on Intelligent Systems, Data Science and Computing (ICIDC-2020)	27 th -28 th November 2020.	0974-6455	Volume 13, Issue 12, 2020 (Dec 2020 issue).	Paper will be published in Bioscience Biotechnology Research Communications Journal (Special issue) Web of Science(ESCI)
2	Dr. Abhijeet Ramesh Thakare	“Recognition of Letters and Letter Font in Images Using Deep Learning”	International Conference on Intelligent Systems, Data Science and Computing (ICIDC-2020)	27 th - 28 th November 2020.	0974-6455	Volume 13, Issue 12, 2020 (Dec 2020 issue).	Paper will be published in Bioscience Biotechnology Research Communications Journal (Special issue) Web of Science(ESCI)
3	Dr. Pravin Y. Karmore, Prof. Satyajit Uparkar	Mental Illness detection through Audio Signal Processing	International Conference on Information Systems, Data Science and Computing (ICIDC-2020)	27 th and 28 th November 2020	0974-6455	Volume 13, Issue 12, 2020 (Dec 2020 issue).	Paper will be published in Bioscience Biotechnology Research Communications Journal (Special issue) Web of Science(ESCI)
4	Prof. L. Agrawal, Dr. D. Adane	Survey and Research Issues in Data Stream Mining	International Conference on Information Systems, Data Science and Computing (ICIDC-2020)	27 th and 28 th November 2020	0974-6455	Volume 13, Issue 12, 2020 (Dec 2020 issue)	Paper will be published in Bioscience Biotechnology Research Communications Journal (Special issue) Web of Science(ESCI)

STTP/FDP/other Training Attended by Faculty

Sr. No.	Name of Faculty	STTP/FDP/Training Attended	Duration / Date	Organizers of the Event
1	Satyajit S. Uparkar	NPTEL Online Certification on Scalable Data Science	Sep-Nov., 2020	NPTEL, Swayam
2	Prof. L. Agrawal	NPTEL Online Certification on Programming in JAVA	Sep-Dec., 2020	NPTEL, Swayam

Students' Corner

Internship Details:

The students of final year MCA had received an Internship in various local and outstation companies. The Internship drive was arranged and coordinated by Dr. A. Thakare (Internship In-charge), Prof. K. R. Roy (Dean T & P). All the students are paid stipend which ranges from Rs. 5k to Rs. 20k per month as Interns. The total of 48 students is selected till date.

List of Students received an Internship.

SN	Name of Student	Internship Company
1	Manisha Chandu Chhabita	Elite Back Office Solution Pvt. Ltd.
2	Ashish Mahesh Arora	Elite Back Office Solution Pvt. Ltd.
3	Simran Ramesh Bhaisare	Elite Back Office Solution Pvt. Ltd.
4	Vedanti Vilas Kanere	Elite Back Office Solution Pvt. Ltd.
5	Shubham Anoop Chourasia	Elite Back Office Solution Pvt. Ltd.
6	Vikram Sitaram Rambhad	Elite Back Office Solution Pvt. Ltd.
7	Shivam Ajay Tiwari	Elite Back Office Solution Pvt. Ltd.
8	Ekta Brijesh Suman	Elite Back Office Solution Pvt. Ltd.
9	Bhairavi Andhare	Elite Back Office Solution Pvt. Ltd.
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	TradepathCapital
15	Dipesh Mishra	Eaton
16	Vedanti Kanere	Eaton
17	Renuka Raich	Eaton
18	Simran Sevlani	Eaton
19	Ayush Sunil Gawai	Coditas
20	Chandrakant Sarage	AR Consultancy Services
21	Milindsingh Liladhar Saiwala	LocationGuru Solutions Pvt. Ltd.

SN	Name of Student	Internship Company
22	Manali Mukund Pande	Elite Back Office Solution Pvt. Ltd.
23	Pranali Fule	Elite Back Office Solution Pvt. Ltd.
24	Anvaya Wakhade	Elite Back Office Solution Pvt. Ltd.
25	Milindsingh Liladhar Saiwala	LocationGuru Solutions Pvt. Ltd.
26	Riya Kesharwani	LocationGuru Solution pvt. ltd.
27	Minakshi Gangadhar Nimje	Elite Back Office Solution Pvt. Ltd.
28	Ashwini Alone	Elite Back Office Solution Pvt. Ltd.
29	Nishant Gosavi	Kizora Software Private Limited
30	Palak Chopra	Vconstruct Pvt Ltd
31	Animesh Parag Joshi	Eaton
32	Shridharan Iyer	Eaton
33	Apurva Muley	vConstruct Pvt Ltd
34	Pranjal Chaudhari	LocationGuru Solutions Pvt. Ltd.
35	Vishakha Jaiswal	LocationGuru Solutions Pvt. Ltd.
36	Prabhjot Kalsi	Kizora software Pvt ltd
37	Sampada Shridhar Anjankar	Kizora software Pvt ltd
38	Shubham Ram Agrawal	LocationGuru Solutions Pvt. Ltd.
39	Shashank Moundekar	Webtech developers pvt
40	Manali Mukund Pande	Elite Back Office Solution Pvt. Ltd.
41	Krunal Yashwant Padade	Elite Back Office Solution Pvt. Ltd.
42	Avadhut Kamalakar Gujarkar	Elite Back Office Solution Pvt. Ltd.
43	Bhagyesh L Malkan	AR Consultancy services
44	Paras Chavre	Location Guru Solutions pvt. Ltd.
45	Aman Agrawal	Location Guru Solutions pvt. Ltd.
46	Vaibhav Shewade	Elite Back Office Solution Pvt. Ltd.
47	Vishnu Devbhaktuni	Elite Back Office Solution Pvt. Ltd.
48	Akshay Sanjay Meshram	Location Guru Solutions pvt. Ltd.

List of Placed Students

SN	Name of Student	Internship Company
1	Shriya Ghaiwat	Accenture
2	Amruta Vinod Karemore	Accenture
3	Shridharan Iyer	Capgemini
4	Prabhjot Kalsi	Capgemini
5	Devesh Motghare	Accenture
6	Deepesh Mishra	Capgemini

Any other activity(s)

1. Gaurav A. Muley of MCA, batch 2019-20 is a budding entrepreneur working on his startup “Global Deck- A Global Platform For Your Innovations”. The main focus of this startup is to showcase innovations around the globe, to improve existing B2B and B2C micro businesses, to get problem solving solutions for young innovators leading in every sector and to reach to the rural areas and work on reduction in unemployment
2. Dr. Priti S. Voditel, Head, Department of Computer Application, has been Nominated as Advisory Committee Member of Integrated University Management System (IUMS) ERP of RTM Nagpur University, dated 25th Nov, 2020.
3. Prof. Satyajit S. Uparkar have been nominated as an External Member to the Research Advisory Committee in the Place of Higher Learning and Research, G. S. College of Commerce, Wardha, dated 21st Oct., 2020.

Department of Management Technology

Faculty Corner

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. Rajesh Vaidya Management Technology, Shri Ramdeobaba College of Engineering & Management, Katol Road, Nagpur, India	Association among Covid-19 parameters, occupational stress and employee performance: An empirical study with reference to Agricultural Research Sector in Hyderabad Metro	Sustainable Humanosphere	May 2020	---	Volume:16 Issue: 2 ISSN:1880 - 6503	Scopus Index Journal
2	Dr. Rajesh Vaidya Management Technology, Shri Ramdeobaba College of Engineering & Management, Katol Road, Nagpur, India	Effect of occupational stress and remote working on psychological well-being of employees: an empirical analysis during covid-19 pandemic concerning information technology industry in Hyderabad	Indian Journal of Commerce & Management Studies	May 2020	---	Vol XI Issue 2 ISSN:2249 -0310 EISSN: 2229-5674	Indian Citation Index (ICI)

3	Dr. Rajesh Vaidya Management Technology, Shri Ramdeobaba College of Engineering & Management, Katol Road, Nagpur, India	Mental and emotional competencies Of leader's dealing with disruptive business environment - a conceptual Review	International Journal of Management (IJM)	May 2020	---	Volume 11, Issue 5, ISSN Print: 0976-6502 ISSN Online: 0976-6510	Scopus Index Journal www.iaeme.com/ijm/index.asp
4	Dr. Rajesh Vaidya Management Technology, Shri Ramdeobaba College of Engineering & Management, Katol Road, Nagpur, India	Evolution of performance Management systems and the impact on organization's approach: a statistical perspective	International Journal of Management (IJM)	May 2020	---	Volume 11, Issue 5 ISSN Print: 0976-6502 ISSN Online: 0976-6510	Scopus Index Journal www.iaeme.com/ijm/index.asp
5	Prajakta Mantri, Bhakti Tiwari, CA Prashant Chhajer	Covid 19: An Invisible Destroyer of the Economy Paving way to Atmanirbhar Bharat	Shanlax International Journal of Management	October 2020	---	Volume: 7, Issue: 4, P-ISSN: 2321-4643 E- ISSN 2581-9402	Indian Citation Index
6	Vandana Gandhi, Prashant Chhajer, Vishal Mehta	Post-Merger Financial Performance of Indian Banks: Camel Approach	International Journal of Banking, Risk and Insurance	September 2020	---	Volume:8, Issue:2, pp:1-13, ISSN 2320-7507	Indian Citation Index

STTP/FDP/other Training Attended by Faculty

Sr. No.	Name of Faculty	STTP/FDP/Training Attended	Duration / Date	Organizers of the Event
1	CA Prashant Chhajer	Managerial Economics	1.5 Week	NPTEL
2	Dr. Vishal Mehta	Managerial Economics	1.5 Week	NPTEL
3	Dr. Vandana Gandhi	Managerial Economics	1.5 Week	NPTEL

Students' Corner

Student Achievements

Sr. No.	Name of Student	Event	Achievement	Date
1	Pallavi Waghmare	UGC-NET	Passed	2020

Placement Summary 2020-21 Batch

Total Number of offers (Till Date) - 73

Unique Offers (Till Date) 67

Number of Companies floated (Till Date) -38

Highest Offer- 10.0 LPA

Average Salary-7.00 LPA

Major Recruiters - Property Pistol, ITC, XL Dynamics, HFFC, Pinclick , Colgate Palmolive, Star Union Dai-ichi etc.

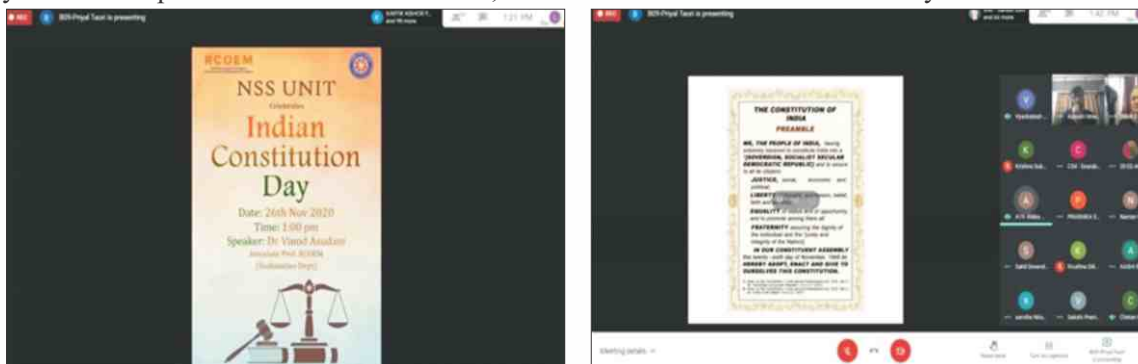
Quarterly Temple Report

Sr.no	Functions Conducted	Date	Remarks
1.	DUJ	18-10-2020	Flower Decoration in Temple
			By Local Artist
			Bhajan by RamdeoKirtan Sangam
			Arti and Distribution of Sangam
2.	DASHMI	26-10-2020	Bhajan by Ramdeo Kirtan Sangam
			Arti and distribution of Prasad
3.	DIWALI	14-11-2020	Puja and Lighting of Diyas
4.	DUJ	16-11-2020	Flower Decoration in temple
			By Local Artist
			Bhajan by Ramdeo Kirtan Sangam
			Arti and Distribution of Prasad
5.	DASHMI (ANNKOOT)	24-11-2020	Flower Decoration in temple
			By Local Artist
			Bhajan by Ramdeo Kirtan Sangam
			Arti and distribution of prasad
			Celebrated as per covid guidelines
			celebrated as per covid guidlines
6.	DUJ	16-12-2020	Flower Decoration in Temple
			By Local Artist
			Bhajan by Ramdeo Kirtan Sangam
			Arti and Distribution of Prasad
7.	DASHMI	24-12-2020	Flower Decoration in Temple
			By Local Artist
			Bhajan by Ramdeo Kirtan Sangam
			Arti and distribution of Prasad
8.	DUTT JAYANTI	29-12-2020	Decoration of Dutt Bhagwan with Flower

NSS

CONSTITUTION DAY CELEBRATION: 26th November 2020

Constitution Day (or Samvidhan Divas), also known as National Law Day, is celebrated in India on 26th November every year to commemorate the adoption of the Constitution of India. On 26 November 1949, the Constituent Assembly of India adopted the Constitution of India, and it came into effect on 26th January 1950.



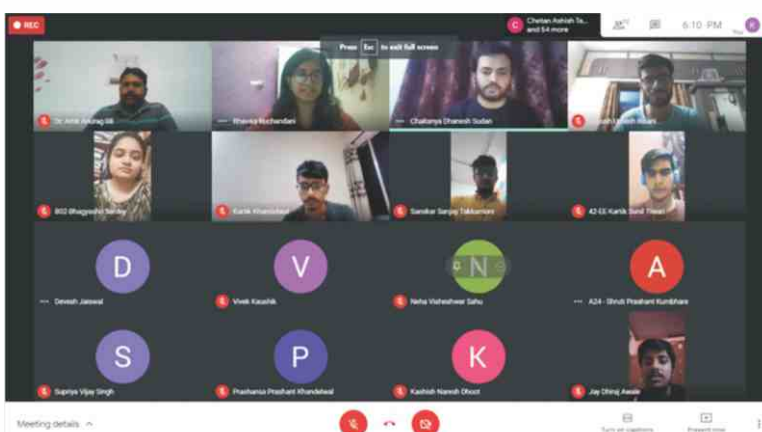
College not being open for students in physical mode, the celebration was acknowledged in online mode using common digital platform (Google Meet). The Chief Guest for the Day was Dr.V.H. Asudani. He is an Associate professor in Humanities Dept., RCOEM, National level poet, psychologist and motivator. The event commenced at 1:00pm as planned in presence of Dr. Amit Anurag, NSS RCOEM Program Officer and Asst. Prof. Saket Kanetkar, Dept. of Physical Education. A presence of more than 108 students was observed during the session.



NATIONAL UNITY DAY: 31/10/2020

National Unity Day is celebrated on October 31 across the country to commemorate the birth anniversary of Sardar Vallabhbhai Patel, and to recognize the contributions of the first Union Home Minister, who laid the firm foundations of the Indian police and gave it its identity, character and direction.

The event was conducted in online mode on common digital platform (Google Meet). The event commenced at 6:00pm as planned in presence of Dr. Amit Anurag, NSS RCOEM Program Officer, and Prof. Saket Kanetkar. Presence of 81 attendees was observed during the session.



REFLECTION NEWSLETTER

**SHRI RAMDEOBABA COLLEGE OF
ENGINEERING AND MANAGEMENT, NAGPUR**

Ramdeobaba Tekadi, Gittikhadan, Nagpur - 440013
Phone : 0712-2580011, Website : www.rk nec.edu



Shri Ramdeobaba Temple on Campus

TEAM MEDIA EXPRESSION

EDITOR AND COORDINATORS

Dr. Vandana Gandhi

Department of Management Technology

COORDINATORS

Dr. Mrs. Cynita Christy

Librarian

Prof. Vikas Gupta

Department of Electronics Engineering

Prof. Ms. Jignyasa Sanghavi

Department of Computer Science

Newsletter Designing and Printing
New Shriniketan Printing Press, Nagpur

E-Newsletter
www.rk nec.edu