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### EDITORS MESSAGE

The second quarter of the calendar year was recognised to be hard times for everyone all over the world due to COVID-19 crisis. In these difficult times also RCOEM delivered on all fronts and fulfilled not only academic responsibilities but also social responsibilities. The Institute and its staff has distributed more than 1500 ration kits, 800 Personal Protection kits to the Traffic Police Department and 1200 safety kits to all its employees and their family members.

RCOEM signed Memorandum of Understanding (MoU) with Kavikulguru Kalidas Sanskrit University (KKSU), Ramtek, alone Sanskrit University in Maharashtra. In lockdown conditions also, 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 !!!

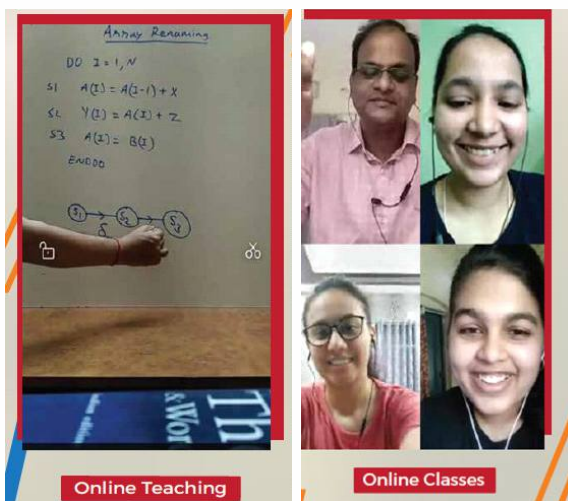
# COLLEGE HIGHLIGHTS

## RCOEM DELIVERS ON ALL FRONTS AMIDST LOCK DOWN

Shri Ramdeobaba College of Engineering and Management, Nagpur, has always been a front runner when it comes to safe-guarding the interests of the students. The Institute has been in Lock down mode since the beginning of the third week of March 2020 yet the entire team has been fulfilling its responsibility towards all the stakeholders. At this critical juncture, it is important that everyone is positively and creatively engaged and the Management of RCOEM understands this very well. The faculty members have been in constant touch with the students and keeping them motivated so that they are constructively and creatively engaged.

### Academics

- Academic Sessions were completed using various online tools such Google classroom, Microsoft Team etc.
- Recorded Video Lectures were shared and Extra doubt clearing sessions were conducted.
- Online Reading Materials were provided to every student for better understanding of the concepts.



### Assessments and Assignments

Easy-design objective and subjective assessment patterns were shared across online platforms for students to understand and apply their learning.

Project Presentations, Viva voce, Lab submissions, internship seminars, tests and quizzes were all conducted and completed using online tools like google classroom.

### Beyond the Classrooms

Students took part in all online academic activities in spite of technical challenges.

State of the Art Media Centre of the Institute was used to reach out to the students and in preparation of the lectures, presentations and videos.

RCOEM has registered membership of 'Coursera for Campus' which is available globally, and offers a wide variety of professional courses.

Around 1000 students registered through the institute and learned various courses through the platform like EDX, Coursera and Swayam.

The institute has been actively running a local chapter of NPTEL since July 2018, which is an AICTE initiative to promote online learning.

381 students and about 130 faculties have already successfully completed various courses using this platform.

340 students and 85 faculties have registered for 125 courses in NPTEL platform for Jan-Apr 2020 NPTEL Examination. Students and Faculty of First year BE have registered themselves on M-Tutor, an online mobile platform that provides video lectures of all courses of First year BE as per AICTE.

ELIS (Enhancement in Learning with Improvement in Skills), designed by AICTE was launched on 12th April 2020 to help students enhance learning and build valuable skill sets required in the work environment.

The Institute has also subscribed to Online resources like e-books, e-journals & e-databases such as ProWess, Knimbus, and SCOPUS to make books, research papers from reputed journals, old question papers, model answer sets etc. accessible from home.

### Research and Development

Forty-four papers were submitted in reputed journals indexed in SCI/Scopus/WoS and in the recent past 56 papers were published/ accepted for publication.

60 faculty members are working on their research papers, 7 patents have been drafted and 14 are being worked.

RCOEM submitted a project proposal on "Detection and Elimination of artifacts in MRI for ease of diagnosis to the radiologist" to SERB, Govt. of India, under the METRICS scheme.

The ongoing research projects in RCOEM includes Water quality monitoring of large water bodies and Performance Evaluation of Pradhan Mantri Mudra Yojana (PMMY), An Empirical Study of Beneficiaries of Nagpur District.

## CENTRAL LIBRARY

### Webinars/FDP/attended by Librarian

Sr. No	Name of faculty	Webinars/FDP/Lectures attended	Duration /Date	Organisers of the event
1	Dr. Cynita Christy	One Day state Level Webinar on Introduction to Intellectual Property Rights in India: Patents, Trademarks and Copyrights	27 <sup>th</sup> April, 2020	Mansi Bharat Gada Degree College, Mumbai in association with G.K.S college of Arts, Commerce & Science, Khandivili
2		India's soft Power Potential: Prospect & Retrospect	1 <sup>st</sup> May, 2020	Mumbai Association of University & College Teachers Association (MUCTA)
3		Research Data Management	1 <sup>st</sup> May, 2020	Kerala Library Association
4		Web Application Development with Open Source Content Management	May 02, 2020	NIT Rourkela
5		Big talk Webinar series	7 <sup>th</sup> May 2020	Knimbus
6		Towards excellence in Higher Education in 21 <sup>st</sup> Century	10 <sup>th</sup> May 2020	SST college of Arts & Commerce & Mumbai Association of University & College Teachers Association (MUCTA)
7		International Webinar on "Application of Chanakya Niti in Modern Education	11 <sup>th</sup> May 2020	Anna leela college of commerce & MUCTA
8		Webinar cum Lecture on Future Libraries	12 <sup>th</sup> May	Indian Library Association (ILA) & Mumbai Association of University & College Teachers Association (MUCTA)
9		International Faculty Development Programme on Libraries response to Covid 19	12 <sup>th</sup> -18 <sup>th</sup> May 2020	Bharatratna Maharishi karve knowledge centre & SHPT school of Library science ,SNDT women's University, M u m b a i M u m b a i Association of University & C o l l e g e T e a c h e r s Association (MUCTA)

## Webinars/FDP/attended by Librarian

10	Dr. Cynita Christy	Changing Paradigm of Higher Education	18 <sup>th</sup> May 2020	Library and Information Science Research Scholars Forum & MUCTA
11		Virtual International Development Programme for Librarians on Imbibing skills for Today's Librarianship: Techniques and Tools	24 <sup>th</sup> May to 30 <sup>th</sup> May 2020	MES institute of Management & Career courses & Mumbai Mumbai Association of University & College Teachers Association (MUCTA)
12		Basics of Intellectual Property Right	26 <sup>th</sup> May 2020	Mumbai Association of University & College Teachers Association (MUCTA)
13		Webinar Series- 21 <sup>st</sup> Century Information skills	26 <sup>th</sup> -29 <sup>th</sup> May2020	Delhi Library Association
14		Role of Teacher in context with National Educational Policy	30 <sup>th</sup> May 2020	Mumbai Association of University & College Teachers Association (MUCTA)

## Webinar on Web of Science

An online demo session was conducted by Clarivate Analytics, Mumbai in association with Central Library, Shri Ramdeobaba College of Engineering & Management, and Nagpur on 27<sup>th</sup> May 2020 between 12.30 pm to 1.30 pm for all its Students, Research Scholar's & Staff. The session was conducted on Microsoft Teams. Around 58 students, Research Scholars & faculty participated in the live demo of web of science. The main essence of the session was to make the academic community aware of the Role of Web of Science in Research and Publishing. The various

forms like metadata construct and features, Search Methodologies, Discovery, Citation report and Author Profile Evaluation was explained in details. Other trending terms like Impact Factor, Journal Ranking, and Predatory Journals were described so that it would help in better publications. Reference Management Tools like Zotero was also well explained. In and all it was a good interactive session wherein the mostly the researchers benefitted the most as many of their queries related to choosing the right journal, to rights & responsibilities of author regarding plagiarism was well answered.

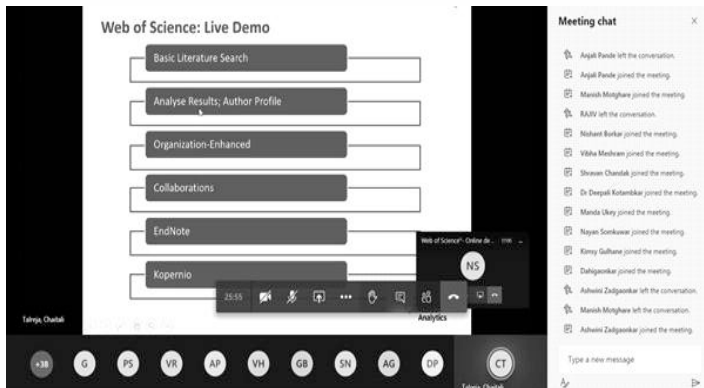


fig1 : Web of Science live demo

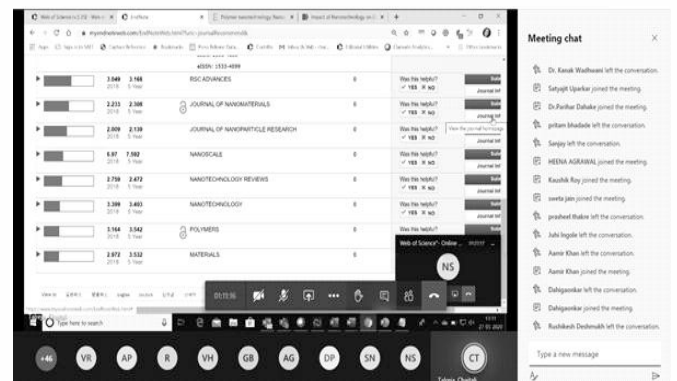


Fig2: Different Modules being explained

## DEPARTMENT OF CIVIL 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.	Sumit S. Geete	How to read structural drawings	04-05-2020	Department of Civil Engineering RCOEM Nagpur
2.	Dr. R. N. Khapre	Introduction to STAAD. pro Connect Edition	05-03-2020	Department of Civil Engineering RCOEM Nagpur
3.	V. J. Rajurkar	Introduction, Suitability and Type Pile Foundations	06-09-2020	Department of Civil Engineering RCOEM Nagpur
4.	V. J. Rajurkar	Ground Improvement for construction of road and unlined canal	06-25-2020	Regional Training Centre, Nagpur
5.	Dr. T.B.Gupta	Solid waste and its management	10-06-2020	Department of Civil Engineering ANJUMAN COLLEGE OF ENGINEERING & TECHNOLOGY

## Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal /Conference /Book	Date of Conference / Publication	ISSN/ ISBN	DOI, vol., Iss., pp	SCI/ Scopus /ICI / Other (index)
1.	Dr. Anand M. Gharad	Evaluation of Vertical Impact Factor Coefficients for Continuous and Integral Railway Bridges under High-Speed Moving Loads	Earthquake Engineering and Engineering Vibration	Accepted on 8th June 2020	16713 664	yet to receive	SCI
2.	Dr. S. P. Siddh	Comparative study of old and new Indian Seismic and Wind Codes for Analysis of Existing High rise Structure	International Journal of Advanced Science and Technology	01-Jun-20	2005 -4238	Vol. 29, No. 7, (2020), pp. 12546 -12551	SCOPUS
3.	Dr. P. D. Hiwase	Seismic Analysis and Comparative Study of ESR for Earthquake Zone V in India	International Journal of Advanced Science and Technology	01-Jun-20	2005 -4238	Vol. 29, No. 7, (2020), pp. 3674 -3679	SCOPUS

## STTP/FDP/other Training Attended by Faculty

Sr. No	Name of the Faculty	Name of the Event	Date/ Duration	Organizers of the event
1.	Dr. R. N. Khapre	FDP on Advances in Building Designs: Pre Engineered Design Methodology and Limit State Design Applications	17-21 June 2020	Velagapudi Ramakrishna Siddhartha Engineering College
2.	Dr. R. N. Khapre	FDP : Practices Adopted in Mass Urban Rapid Transport System-Metro Rail	15-20 June 2020	Civil Engineering Department of Govt. College of Engineering Nagpur
3.	V. J. Rajurkar	FDP : Practices Adopted in Mass Urban Rapid Transport System-Metro Rail	15-20 June 2020	Civil Engineering Department of Govt. College of Engineering Nagpur

4.	V. J. Rajurkar	FDP : Advances in Pile Foundation, Construction and Design	08/06/2020 to 13/06/2020	Civil Engineering Department of RCOEM Nagpur
5.	A. A. Mehta	FDP: Advanced Material Characterization Techniques	28 to 30 may 2020	Lendi Institute of Engineering & Technology
6.	A. A. Mehta	STTP: "MATLAB based Teaching-Learning in Mathematics, Science & Engineering	18 to 22 may 2020	RAIT, Navi Mumbai
7.	Dr. P. P. Dahale	International Webinar on Ground Improvement Techniques for Highway Construction	29 - 30 May 2020	CSIR-Central Road Research Institute, New Delhi
8.	Dr. P. P. Dahale	FDP : Advanced Material Characterization Technique	28 - 30 May 2020	Lendi Institute of Engineering & Technology
9.	Dr. P. P. Dahale	FDP: Technologies for Infrastructure Planning, Design, Monitoring and Management	16 - 20 June 2020	Nalla Malla Reddy Engineering College, Hyderabad
10.	H.P. Khungar	FDP: Introduction To Forensic Science And Digital & Cyber Forensics	15 May-19 May 2020	Dept. of forensic sciences. Government institute if forensic science, Nagpur
11.	H.P. Khungar	FDP: Advanced Trends in Engineering	19-23 May 2020	Nagpur Institute Of Technology, Nagpur , Department Of Mechanical Engineering along with IEI ( Nagpur chapter)
12.	H.P. Khungar	FDP: Advanced Material Characterization techniques	28-30 May 2020	Lendi Institute of Engineering & Technology, Vizagnagaram

13.	H.P. Khungar	FDP: Performance of Engineering structures under extreme loading	08 June -13June 2020	Vigna Bharti Institute of Technology, Ghatkesar Hyderabad
14.	H.P. Khungar	STTP: Innovation and upgradation in infrastructure technology	27 May -02 June 2020	Dept. Of Civil Engg, Terna Engg College, Nerul Mumbai
15.	Mrs. V. R. Harne	FDP : Practices Adopted in Mass Urban Rapid Transport System-Metro Rail	15/06/2020 to 20/06/2020	Civil Engineering Department of Govt. College of Engineering Nagpur
16.	Mrs. V. R. Harne	FDP : Advances in Pile Foundation, Construction and Design	08/06 /2020 to 13/06 /2020	Civil Engineering Department of RCOEM Nagpur
17.	Mrs. V. R. Harne	FDP: Outcome Based Education software	04-06-2020	Team Vmedulife software
18.	Mrs. V. R. Harne	STTP: 'Emerging Trends in Highway Engineering and Infrastructure Development'	23/06/2020 to 27/06/2020	NIT Jalandhar Civil Engineering Department
19.	T. B. Gupta	FDP: Introduction To Forensic Science And Digital & Cyber Forensics	15 May-19May 2020	Dept. of forensic sciences. Government institute if forensic science, Nagpur
20.	T. B. Gupta	FDP: Advanced Trends in Engineering	19-23 May 2020	Nagpur Institute of Technology, Nagpur, Department of Mechanical Engineering along with IEI (Nagpur chapter)
21.	T. B. Gupta	FDP: Advances in Civil Engineering	26-30 May 2020	Nagpur Institute of Technology, Nagpur, Department of Mechanical Engineering along with IEI ( Nagpur chapter)
22.	T. B. Gupta	FDP: Advanced Material Characterization techniques	28-30 May 2020	Lendi Institute of Engineering & Technology, Vizagnagaram



23.	T. B. Gupta	FDP -“Recent Advances in Civil Engineering”	02-07 June 2020	Veer mata Jijabai Technological Institute (VJTI), Mumbai and Engineering College Ajmer, Rajasthan
24.	T. B. Gupta	FDP: Technologies for Infrastructure Planning, Design, Monitoring and Management	16 - 20 June 2020	Nalla Malla Reddy Engineering College, Hyderabad
25.	P. D. Hiwase	One Week DTE approved Online Faculty Development and Training Program on “Practices Adopted in Mass Urban Rapid Transport System-Metro Rail “Organized by Civil Engineering Department, Government College of Engineering, Nagpur.	15 June 2020 to 20 June 2020	Civil Engineering Department, Government College of Engineering, Nagpur.
26.	P. D. Hiwase	One-week (FDP) Faculty Development Program on “Geographic Information System”	22nd to 26th June 2020	Civil Engineering, Bapurao Deshmukh College of Engineering, Sevagram, Wardha, in association with Spoken Tutorial IIT, Bombay.
27.	P. D. Hiwase	Faculty Development Programme on Research Paper Drafting, Funding & Patent Methodologies	July 02 to 04, 2020	Department of Civil Engineering, Dr. N. G. P. Institute of Technology
28.	P. D. Hiwase	Faculty Development Programme on “Advances in pile foundation construction and Design”	8 to 12 June 2020	Department of Civil Engineering, Shri Ramdeobaba College of Engineering & Management, Nagpur
29.	P. D. Hiwase	Faculty Development Program on “Role of Online Teaching Pedagogy and ICT tools in Outcome Based Education”	25th June, 2020	Department of Civil Engineering KKR and KSR Institute of Technology and Sciences powered by Vmedulife software services, Pune
30.	P. D. Hiwase	Faculty Development Programme on “Technologies for Infrastructure Planning, Design, Monitoring and Management”	16 June to 20 June 2020	Department of Civil Engineering, Nalla Malla Reddy Engineering College

31.	P. D. Hiwase	TEQIP - Online Faculty Development Program on "Advances in Civil and Structural Engineering (ACSE - 2020)"	15th June - 19th June 2020	Civil Engineering Department, Government College of Engineering, Karad.
32.	P. D. Hiwase	One Week (FDP) National Level Webinar Series on "Emerging Trends in Mechanical Engineering"	16th to 20th June 2020	Bharat Institute of Engineering and Technology, Hyderabad
33.	T. K. Rao	Faculty Development Programme on "Advances in pile foundation construction and Design"	8 to 13 June 2020	Department of Civil Engineering, Shri Ramdeobaba College of Engineering & Management, Nagpur
34.	P. D. Hiwase	One week "Online Faculty Development Program on Scilab"	8th June to 13th June 2020	Department of Civil Engineering, J D College of Engineering & Management in association with Spoken Tutorial, IIT Bombay.
35.	P. D. Hiwase	TEQIP-III sponsored three day webinar series on "Present and Future Practices in Civil Engineering"	8th – 10th June 2020	Civil Engineering Department of Government College of Engineering, Jalgaon (M.S.)
36.	T. K. Rao	1st Indo-Japan Webinar Series on "Geotechnics for Disaster Mitigation"	8-13 June, 2020	IGS, NIT SURTHAKAL, IIT TIRUPATI AND KYUSHU UNIVERSITY
37.	P. D. Hiwase	Faculty Development Programme on "New Age Digital Communication Tools for Enhanced E-Learning"	29th to 31st May, 2020	Department of Civil Engineering, Priyadarshini College of Engineering, Nagpur in collaboration with Er. Swaruup Gandewar, Founder GTGP Nagpur
38.	P. D. Hiwase	One week STTP "Feedback form for on "Infrastructure Development: Possibilities and Challenges Ahead"	25/05/2020 to 29/05/2020	Department of Civil Engineering, New Horizon, Institute of Technology and Management, Thane

39.	P. D. Hiwase	Faculty Development Programme on “Legal Aspects of Civil Engineering”	21 May 2020 to 22 May 2020	Department of Civil Engineering, Dr. Daulatrao Aher College of Engineering, Karad
40.	P. D. Hiwase	Faculty Awareness Program on “NBA Accreditation Process”	17-5 -2020	IQAC Cell of Late Sau. Kantabai Bhavarlalji Jain, College Of Engineering, Nashik
41.	P. D. Hiwase	Faculty Awareness Programme on Research Methodology	16 <sup>th</sup> May 2020	Research & Development Cell, Datta Meghe Institute of Engineering, Technology and Research Sawangi (Meghe), Wardha
42.	T. K. Rao	"NAAC: Pathway To Quality Sustenance (engineering Education)"	1st and 2nd July 2020	IQAC Cell Shri Ramdeobaba College Of Engineering and Management, Nagpur
43.	Dr. S. P. Siddh	FDP: Introduction To Forensic Science And Digital & Cyber Forensics	15 May-19 May 2020	Dept. of forensic sciences. Government institute if forensic science, Nagpur
44.	Dr. S. P. Siddh	FDP: Advanced Trends in Engineering	19-23 May 2020	Nagpur Institute Of Technology, Nagpur , Department Of Mechanical Engineering along with IEI ( Nagpur chapter)
45.	Dr. S. P. Siddh	FDP: Advanced Material Characterization techniques	28-30 May 2020	Lendi Institute of Engineering & Technology, Vizagnagaram
46.	Dr. S. P. Siddh	FDP on Advances in Building Designs: Pre Engineered Design Methodology and Limit State Design Applications	17-21 June 2020	Velagapudi Ramakrishna Siddhartha Engineering College
47.	Dr. S. P. Siddh	FDP : Practices Adopted in Mass Urban Rapid Transport System-Metro Rail	15-20 June 2020	Civil Engineering Department of Govt. College of Engineering Nagpur

## Departmental Activities

### Conference, STTP and Guest Lectures organized in Department

Sr No.	Topic of Guest Lecture	Date	Name of the Expert, Designation and Organization	Organized By
1.	Legal advices in construction industry	05-05-2020	Mr. Sandip Shastri, Legal Advisor	DR. T. B. GUPTA DR. S. P. SIDDH DR. A. M. GHARAD PROF .S. S. GEETE PROF. H. P. KHUNGAR
2.	Modular formwork technology	05-05-2020	Mr. Rahul Zanzari, Sales Engineer, Paschal Formwork India Pvt. Ltd.	
3.	Steel Detailing	06-05-2020	Mr. Milind Kalsait, Director, Myspace Engineering Services, Nagpur	
4.	Waste to Energy	06-05-2020	Mr. Ramesh Daryapurkar, CEO, Lars Enviro Pvt. Ltd.	DR. T. B. GUPTA DR. S. P. SIDDH DR. A. M. GHARAD PROF .S. S. GEETE PROF. H. P. KHUNGAR
5.	Fire fighting system and norms	10-05-2020	Mr. R.P. Singh, Sr. Manager, MECON Ranchi	
6.	New Building Products	08-05-2020	Er. Amarendra Surve of UltraTech Cement Ltd.	
7.	FEA with ANSYS: Civil Engineering Case Studies	14/05/2020	Mr. Kumar Kartikeya, Senior Application Manager, ANSYS, Pune	Dr. R. N. Khapare
8.	Geosynthetics Products and Their Applications	05-05-2020	Mr. Thomas Cherian, Regional Quality Manager, Maccaferri, Pune	V. J. Rajurkar, Dr. P. P. Dahale, Dr. A. A. Mehta
9.	Piling Technology Initiatives for Accelerating India's Infrastructure Growth	06-05-2020	Dr. S. S. Basarkar, GM, Afcons Infra. Ltd., Mumbai	V. J. Rajurkar, Dr. P. P. Dahale, Dr. A. A. Mehta

10.	Analysis and Design of Underground Structures	07-05-2020	Dr. Altaf Usmani, Asst. GM, EIL, Delhi	V. J. Rajurkar, Dr. P. P. Dahale, Dr. A. A. Mehta
11.	Case studies on rockfall, landslide hazard assessment, remedial measures	16-05-2020	Dr. Mohammad Khalid Ansari, Sr. Geologist, Dar Al Handasah	V. J. Rajurkar, Dr. P. P. Dahale, Dr. A. A. Mehta
12.	Webinar Series on Recent Trends in Civil Engineering	1-4 May 2020	BIM by Ms. Hindavi Gavali of VNIT Nagpur PRIMAVERA by Mr. Nandakumar, Consultant, Nagpur STAAD.pro CONNECT Edition by Dr. R.N. Khapre; and Reading of Structural Drawing by Prof. S. S. Geete.	Dr. R. N. Khapare, Dr. V. A. Dakwale
13.	“Construction of Long Span Bridges”	16/05/2020	Mr. Yogesh Waingankar , Sr. Manager (Design), STUP Consultants Pvt. Ltd., Mumbai.	Prof. N. S. Agrawal, Prof. Ankush Asati
14.	Impact of Artificial intelligence & ANN in AEC	15/05/2020	Dr. Jayant M Desphande, General Manager, Software Corporate, Dubai.	Prof. V. P. Joshi, Prof. U. Singh Patil,
15.	Structural Audit & Methodologies	09-05-2020	Mr. Shekhar Gokhale, Managing Director, SIMCON Designers & Consultants Pvt. Ltd., Mumbai.	Prof. V. P. Joshi, Prof. U. Singh Patil, Prof. N. S. Agrawal, Prof. Ankush Asati

Sr. No	Name of the Event	Level of the event(National level/ International level/state level)	Name of the Coordinator(s)	Duration (1 week/ 2week/No. of days)	Date
1.	Online FDP	National	V. J. Rajurkar, A.A. Mehta, P. P. Dahale		8-13 June2020
2.	Online Technical E-poster Competition		V. R. Harne, Dr. R. N. Khapre, S. U. Dhote	2 week	Online presentation 26/05/2020

## 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.	Dr. Shailendra S. Aote	Research Direction in AI	15/06/2020	PIET, Nagpur

SN	Name of the Authors	Title of the Paper	Name of the Journal/ Conference/ Book	Date of Conference/ Publication	ISSN/ ISBN	DOI, vol., Iss., pp	SCI/ Scopus /ICI / Other (index)
1.	Dr. Manoj Chandak	Generating Animations from Instructional Text	International Journal of Emerging Trends in Engineering Research	May-Jun 2020	ISSN 2347 - 3983	<a href="https://doi.org/10.30534/ijatcse/2020/81932020">https://doi.org/10.30534/ijatcse/2020/81932020</a> , Volume 9, No.3,	Scopus
2.	Dr. Manoj Chandak	An Enterprise Orchestrator overview for ERP Applications	International Journal of Advanced Trends in Computer Science and Engineering	May-Jun 2020	ISSN 2347 - 3983	Vol 9, No.2, DOI 10.30534/ijatcse/2020/209922021	Scopus

3.	Dr. Avinash J Agrawal	Improving the Accuracy of Spam Message Filtering using Hybrid CNN Classification	International Journal of Emerging Trends in Engineering Research	May-20	2347-3983	Vol 8, No.5, DOI 10.30534/ijeter/2020/116852020	Scopus
4.	Dr. Avinash J Agrawal	Hybrid Method for Improving Accuracy of Crop-Type Detection using Machine Learning	International Journal of Advanced Trends in Computer Science and Engineering	Mar-April-2020	2278-3091	Vol 9, No.2, DOI 10.30534/ijatcse/2020/209922020	Scopus
5.	Dr. Avinash J Agrawal	Seminal Paper on Genealogy by using Ontology	International Journal of Emerging Trends in Engineering Research	May-20	2347-3983	Vol 8, No.5, DOI 10.30534/ijeter/2020/116852020	Scopus
6.	Dr. Avinash J Agrawal	Evaluating Sentiment Analysis Techniques for Political Tweet Data	International Journal of Emerging Trends in Engineering Research	May-20	2347-3983	Vol 8, No.5, DOI 10.30534/ijeter/2020/116852020	Scopus
7.	Dr. Ramchand Hablani	Image Analysis of PLC Diagnosis System	International Journal of Advanced Trends in Computer Science and Engineering	Mar-April-2020	ISSN 2278-3091	Volume 9, No.2,pp 1973-1977	Scopus
8.	Dr. Ramchand Hablani	Improving the Correctness of Chatbots using Multi-Response -Based Aggregation	International Journal of Advanced Trends in Computer Science and Engineering	Mar-April-2020	ISSN 2278-3091	Volume 9, No.2,pp 1782-1787	Scopus
9.	Dr. Ramchand Hablani	Determining Changes in Green Cover in Urban Areas	International Journal of Emerging Trends in Engineering Research	May-Jun 2020	ISSN 2347 - 3983	Volume 8, No.5,pp 2009-2014	Scopus

10.	Dr. Shailendra Aote	Traffic Surveillance System	Test Engineering & Management	May – June 2020	ISSN: 0193-4120	Volume 83 Page Number: 12062 - 12067	Scopus
11.	Dr. Shailendra Aote	Faulty accumulations based on image processing	International Journal of Advanced Science and Technology	Jun-20	2005-4238	Vol. 29, No. 7, pp. 11825 - 11830	Scopus
12.	A. M. Karandikar	Deepfake Video Detection Using Convolutional Neural Network	International Journal of Advanced Trends in Computer Science and Engineering	April 2020	ISSN 2278-3091	Volume 9 No.2, March -April 2020 , <a href="https://doi.org/10.30534/ijatcse/2020/62922020">https://doi.org/10.30534/ijatcse/2020/62922020</a>	Scopus
13.	D. Naidu, V.K. Bongirwar, Shubhangi Tirpude, Kanak Kalyani	Data Hiding using Meaningful Encryption Algorithm to Enhance Data Security	International Journal of Advanced Trends in Computer Science and Engineering	March-April 2020	ISSN 2278-3091	Volume 9 No..2 Page No. 2408-2413	Scopus
14.	Jignyasa B. Sanghavi	Observing User Interface Design Patterns for Websites from a User-experience Point-of-View	International Journal of Advanced Trends in Computer Science and Engineering	March - April 2020	2278-3091	<a href="https://doi.org/10.30534/ijatcse/2020/167922020">https://doi.org/10.30534/ijatcse/2020/167922020</a> Vol:9 Issue No:2	Scopus
15.	Jignyasa B. Sanghavi	Text Detection and Recognition Techniques from Images using React Native	International Journal of Advanced Trends in Computer Science and Engineering	March - April 2020	2278-3091	<a href="https://doi.org/10.30534/ijatcse/2020/167922020">https://doi.org/10.30534/ijatcse/2020/167922020</a> Vol:9 Issue No:2	Scopus
16.	Jignyasa B. Sanghavi	Statistical Evaluation of Task Scheduling Algorithms in Cloud Environments	International Journal of Advanced Trends in Computer Science and Engineering	March - April 2020	2278-3091	<a href="https://doi.org/10.30534/ijatcse/2020/167922020">https://doi.org/10.30534/ijatcse/2020/167922020</a> Vol:9 Issue No:2	Scopus



17.	Dr. Rashmi Welekar, Aarti Karandikar, Shubhangi Tirpude	Emotion categorization using Twitter Status	International Journal of Advanced Trends in Computer Science and Engineering	Jun-20	ISSN 2278 – 3091	Volume 9	Scopus
18.	Rina Damdoo, Kanak Kalyani	Multilevel Voter Identity Protocol for Secure Online Voting	International Journal of Advanced Trends in Computer Science and Engineering	May-Jun 2020	2278-3091	AVol:9 Issue No:3, <a href="https://doi.org/10.30534/ijatcse/2020/1889320">https://doi.org/10.30534/ijatcse/2020/1889320</a>	Scopus
19.	Dr. Shubhangi Neware	Suitable Business Site Selection Using GIS	International Journal of Advanced Trends in Computer Science and Engineering	April 2020	ISSN 2278-3091	<a href="https://doi.org/10.30534/ijatcse/2020/217922020">https://doi.org/10.30534/ijatcse/2020/217922020</a> , Volume 9 No. 2,PP 2338-2342	Scopus
20.	Dr. Shubhangi Neware	Improving Customer Segmentation in E-Commerce using Predictive Neural Network	International Journal of Advanced Trends in Computer Science and Engineering	April 2020	ISSN 2278-3091	<a href="https://doi.org/10.30534/ijatcse/2020/215922020">https://doi.org/10.30534/ijatcse/2020/215922020</a> , Volume 9 No.2,PP 2326-31	Scopus
21.	Dr. Shubhangi Neware	Orange fruit disease classification using deep learning approach	International Journal of Advanced Trends in Computer Science and Engineering	April 2020	ISSN 2278-3091	2.PP 2297-2301	Scopus
22.	Dr. Shubhangi Neware	Nagpur Metro Tracks Construction Monitoring System	International Journal of Emerging Trends in Engineering Research	May-20	2347 - 3983	<a href="https://doi.org/10.30534/ijeter/2020/119852020">https://doi.org/10.30534/ijeter/2020/119852020</a> , VOI8, No5	Scopus

23.	Dr. Shubhangi Neware	Implementation of Data Mining Technique for Determining K-Most Demanding Products	International Journal of Advanced Science and Technology	May-20	2207-6360	<a href="http://sersc.org/journals/index.php/IJAST/article/view/15065">http://sersc.org/journals/index.php/IJAST/article/view/15065</a> , Vol 29, No 7(2020)	Scopus
24.	Sweta Jain	Drowsiness Detection System for Online Courses	International Journal of Advanced Trends in Computer Science and Engineering	March - April 2020	ISSN 2278-3091	<a href="https://doi.org/10.30534/ijatcse/2020/158922020">https://doi.org/10.30534/ijatcse/2020/158922020</a> , Volume 9 No.2, March - April 2020	Scopus
25.	Sweta Jain	Real Time Attendance System using One Shot Learning for Face Recognition	International Journal of Advanced Trends in Computer Science and Engineering	March - April 2020	ISSN 2278-3091	<a href="https://doi.org/10.30534/ijatcse/2020/158922020">https://doi.org/10.30534/ijatcse/2020/158922020</a> , Volume 9 No.2, March - April 2020	Scopus
26.	Hirkani Padwad	SL Sort (Smallest Largest Swap Sort)- A Sorting Algorithm	International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE)		2278-3091	<a href="https://doi.org/10.30534/ijatcse/2020/215922020">https://doi.org/10.30534/ijatcse/2020/215922020</a> , Volume 9 No.2, PP 2326-31	Scopus
27.	V. K. Bongirwar	Survey on Life Estimation of Composite Humidity Sensors Using numerous Artificial Intelligence Techniques	Test Engineering & Management	May – June 2020	ISSN: 0193-4120	Volume 83, Page No. 1828 - 1831	Scopus

## STTP/FDP/other Training Attended by Faculty

S No.	Name of Faculty	STTP/FDP/Training Attended	Duration /Date	Organizers of the event
1.	Sweta Jain	One Week Online Faculty Development Programme (FDP) on "Recent Trends in Database Technologies"	22nd June to 26th June 2020	RCOEM, Nagpur
2.	Sweta Jain	SPOCATHON-Content Augmentation Event(Online Mode)	17 May, 2020	IIT Madras
3.	Sweta Jain	Online Workshop on Artificial Intelligence, Machine learning and Deep Learning	26 June, 2020	NVIDIA and digital Track Solutions Pvt Ltd.
4.	Rashmi Welekar	ML & AI Using Covid-19 Virus Data Analysis	1-2 May 2020	Online Organized by Finland Labs and NSS IIT Roorkee
5.	Rashmi Welekar	Artificial Intelligence & Machine Learning Using Python	18-22 May 2020	Online Organized by Finland Labs and NSS IIT Roorkee
6.	Rashmi Welekar	Online Course Design, Development and Delivery	7-9 May 2020	Online workshop organized by HRD Centre , University of Hyderabad
7.	Aarti Karandikar	Online FDP on Artificial Intelligence an Machine Learning using Python	18 - 22 May 2020	Online
8.	Aarti Karandikar	Online FDP on ML and AI using Covid 19 Virus Data Analysis	1- 2 May 2020	Online
9.	Aarti Karandikar	ONLINE WORKSHOP ON "Online Course Design, Development and Delivery"	7 - 9 May 2020	Online
10.	Aarti Karandikar	Online Certificate Course on "Remote Sensing & GIS Technology and Applications"	13 June - 1 July 2020	Online

11.	Dr. S. S. Aote	2 Day Online FDP on "IoT and Cyber Security -an Industry Perspective"	22-23 May 2020	Cambridge Institute of Tech, Bengaluru [Online mode]
12.	Khushboo Khurana	FDP on "Artificial Intelligence and Machine learning using Python"	11-15 May 2020	Online FDP by Finland Labs in Association with IIT Roorkee
13.	Khushboo Khurana	FDP on "Art of Writing Research Articles and Funding Proposals"	21-23 May 2020	Online FDP by Manakula Vinayagar Institute of technology, Puducherry
14.	Khushboo Khurana	FDP on "Recent Trends in Database Technologies"	22-26 June 2020	Online FDP, RCOEM, Nagpur
15.	Khushboo Khurana	Online Course on "LaTeX for Everyone and Everything"	5/19/2020	Online Course on Udemey
16.	Khushboo Khurana	Webinar on "Current Trends In Data Science With Real World Application of AI & ML"	1st May 2020	Online by RCOEM, Nagpur
17.	Khushboo Khurana	Webinar on "Techniques To Make Computer Science Education More Useful And Interesting"	8th May 2020	Online by RCOEM, Nagpur
18.	Khushboo Khurana	Online course on Programming for Everybody (Getting Started with Python)	21st June 2020	Online Course on Coursera
19.	Khushboo Khurana	Webinar on Blockchain Technologies and Applications	03rd June 2020	Online by RCOEM, Nagpur
20.	Abhijeet R. Raipurkar	Online STTP on "Recent Trends and Applications of Machine Learning and Deep Learning in IT"	25-May to 29-May 2020	Online STTP organized by IT Department, RAIT, Navi Mumbai
21.	Abhijeet R. Raipurkar	Online STTP on "Recent Trends in Database Technologies"	22- to 26-June 2020	Online STTP organized by CSE Department, RCOEM-Nagpur

22.	Praful Pardhi	Online FDP on "Python" organised by Computer Engg. Dept, RSCOE, Pune	28th April - 03rd May 2020	RSCE, Pune
23.	Praful Pardhi	5 Day online FDP on Recent trends & application in Machine Learning & Deep learning in IT	25th May to 29th May 2020	RAIT, Navi Mumbai
24.	Praful Pardhi	One week faculty development program on " Recent trends in Database Technologies"	22nd to 26th June 2020.	RCOEM, Nagpur
25.	Shubhangi Tirpude	Online STTP on "Recent Trends in Database Technologies"	22- to 26-June 2020	Online STTP organized by CSE Department, RCOEM-Nagpur
26.	Vasundhara Rathod	FDP on "Recent Trends in Database Technologies"	22-26 June 2020	Online FDP, RCOEM, Nagpur
27.	Vasundhara Rathod	Webinar on "Current Trends In Data Science With Real World Application of AI & ML	1st May 2020	Online by RCOEM, Nagpur
28.	Vasundhara Rathod	Webinar on Blockchain Technologies and Applications	03rd June 2020	Online by RCOEM, Nagpur
29.	Vrushali Bongirwar	Online STTP on "Recent Trends in Database Technologies"	22- to 26-June 2020	Online STTP organized by CSE Department, RCOEM-Nagpur

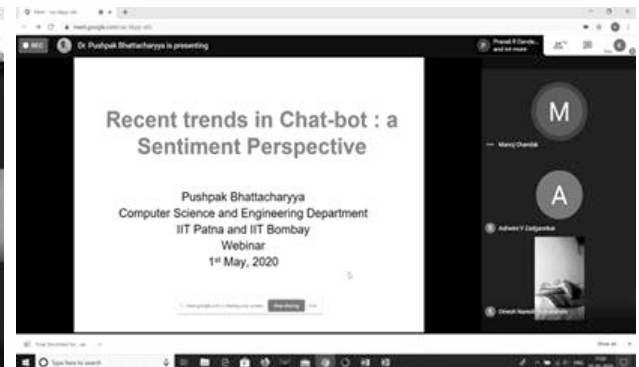
## Departmental Activities

### 1. Webinar Series on “Current Trends in Data Science”- Webinar 1

The Department of Computer Science and Engineering organized a webinar on “Current trends in Data Science” on Friday, 1<sup>st</sup> May 2020 on the Google Meet online platform. The resource persons for the webinar were Dr. Pushpak Bhattacharya, Director, IIT Patna, Mr. Vasusen Patil, Senior Engineering Manager, Coursera, and Mr. Jaidev Deshpande, Senior Data Scientist, Gramener Pvt. Ltd., New Delhi. The aim of organizing the webinar was to familiarize the participants with the concepts of Data Science in the Industry, Sentiment Analysis, Emotion Recognition, Dialogue Processing and Demystifying Data Science.



Session-1: Mr. Vasusen Patil, Senior Engineering Manager, Coursera, discussing the applications of Data Science in Modern Tech.



Session 2: Dr. Pushpak Bhattacharya, Director, IIT Patna, delivering the webinar.

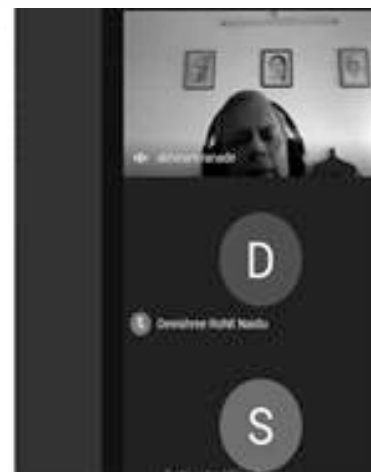
### 2. Webinar Series on “Current Trends in Data Science”- Webinar 2

The Department of Computer Science and Engineering organized the second webinar on “Current trends in Data Science” on Friday, 8<sup>th</sup> May 2020. The resource persons for the webinar were Dr. Abhiram G. Ranade, Professor, Department of CSE, IIT Bombay, and Mr. Jay Mahadeokar, Senior Software Engineer, Facebook AI, Sunnyvale, California, USA. The aim of organizing the webinar was to familiarize the participants with the concepts of Data Science in the Industry with Real World Application of AI & ML and how to make Computer Science education more useful and interesting. The webinar was divided into two sessions. After each speaker's address, the question-answer session was conducted.



#### Relationships between Task, Knowledge, Skill, Disposition

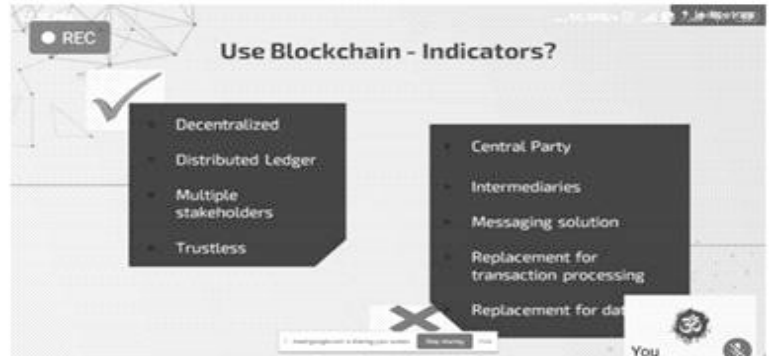
- Task: How does the topic I am learning help me, help society?
  - ▶ Without clarity about Task, no knowledge, skill, Disposition.
- Knowledge/Theory: Needed for developing skill.
- Skill: Skill/practice will help in remembering knowledge.
- Disposition:
  - ▶ Confidence comes from Knowledge/Skill.
  - ▶ Relate subject to rest of the world: – “The Task”?
  - ▶ Ethics: If a person knows he can earn his living and get respect from society he is less likely to steal.
- Teacher's/Course Designer's job:
  - ▶ Provide knowledge, opportunities for applying it.
  - ▶ Relate to rest of world/society.



Session-1: Dr. Abhiram G. Ranade, Professor, Department of CSE, IIT Bombay, presenting the webinar

### 3. Webinar on “Blockchain Technologies and Applications”

Department of Computer Science and Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur, organized the webinar on “Blockchain Technologies and Applications” on Wednesday, 3<sup>rd</sup> June 2020. Mr. Razi Abbas, Vice President - Blockchain Engineering at J.P. Morgan Chase & Co. was present as a resource expert to deliver the talk. The aim of organizing the webinar was to familiarize the



Mr. Razi Abbas, Vice President - Blockchain Engineering at J.P. Morgan Chase & Co., presenting a webinar on Blockchain Technology

participants with the concepts of Blockchain in the Industry, Distributed ledger, and advanced data structure for creating blocks. Some of the key notions used in blockchain, various applications in a broad sense that emerges into daily transactions. He discussed the importance of Blockchain in real-life scenarios. The session was attended by more than 140 participants.

### 4. Webinar Series on “Core Java for Beginners”

The Department of Computer Science and Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur, organized the Webinar Series on “Core Java for Beginners” from 18<sup>th</sup> to 23<sup>rd</sup> May 2020. The resource persons for the webinar were Prof. Kanak Kalyani, Prof. Vasundhara Rathod, Prof. Jignyasa Sanghavi, Prof. Rupali Vairagade, Assistant Professor, Shri Ramdeobaba College of Engineering and Management, Nagpur.

The aim of organizing the webinar was to familiarize the participants with the fundamentals of Object-Oriented Programming and to help them in Placement activities. The session was attended by 80-95 students from non CS/IT streams of Shri Ramdeobaba College of Engineering and Management.

### 5. Webinar on “Prospects in Software Industry Post COVID-19 for M.Tech. Students”

Department of computer science and Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur, organized the webinar on “Prospects in Software Industry Post COVID-19 for M.Tech. Students” on Thursday, 4<sup>th</sup> June 2020. The resource persons for the webinar were Mr. Arvind Kumar, Center Head, Tata Consultancy Services, Nagpur and Dr. P.B. Kulkarni, Dean Admissions Shri Ramdeobaba College of Engineering and Management, Nagpur. The objective of the webinar was to make aware about the software industry scenario in Post COVID-19 and encourage the students for M.Tech admission. Total 90 participants registered for this webinar from various colleges of central India. In total 21 faculties and 33 students attended the webinar.



Resource person for the webinar,  
**Mr. Arvind Kumar,**  
Center Head, TCS, Nagpur

## 6. Faculty Development Programme on “Recent Trends in Database Technologies”

Department of Computer Science and Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur, organized the Faculty Development Programme on “Recent trends in Database Technologies” from Monday 22<sup>nd</sup> June 2020 to Friday 26<sup>th</sup> June 2020. Resource persons from esteemed institutions like VNIT Nagpur, IIIT Kurnool, NIT Raipur and leading MNCs like Amazon, Capgemini, Blue Prism, TCS, 6 Simplex gave insights into the recent trends in database applications to participants so that they can explore the database technologies stack in depth. This FDP provided both the theoretical and practical aspects of recent database trends including data science and big data analytics, NoSQL databases, block chain, Medical data analysis, GIS, robotics etc., providing hands on learning experience to the participants.. The FDP sessions provided the participants with an insight into the latest industrial standards and applications on the desired domain. The FDP was attended by 150 participants from all over India and the participants expressed their thanks to coordinator Dr. M. B. Chandak and the organising team Dr. Rashmi Welekar, Prof. Aarti Karandikar, Prof. Shubhangi Tirpude, Dr. Shubhangi Neware and Prof. Pravin Sonsare for such a well-coordinated event.

### Conference, STTP and Guest Lectures organized in Department

S No.	Conference/STTP/ Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1.	Faculty Development Programme on “Recent Trends In Database Technologies”	1.Dr. DVLN Somayajulu, Director, IIIT Kurnool 2.Dr. P. S. Deshpande, Professor, CSE, VNIT Nagpur 3.Dr. Bikesh Kumar Singh, Biomedical Engg, NIT Raipur 4.Dr. Shital Chiddarwar, Associate Professor, VNIT, Nagpur 5.Mr. Niraj Nakhale, Lead RPA and AI Solution Consultant, Blue Prism 6.Mr. Abhijeet Kamune, Project SDE, Amazon-India 7.Mr. Apruv Singh, SDE-II, Amazon India 8.Mr. Deepak Jagyasi, Senior Project Manager, Capgemini 9.Mr. Somil Deshmukh, Sr. Manager and Technical Head, TCS 10.Mr. Ajit Dharmik, Director 6Simplex, Nagpur	22 to 26 June 2020	5 Days



## Students' Corner

### Toppers List

Sr. No.	Second Year	Sr. No.	Third Year
1.	Aditya Ramnarayan Sharma (10)	1.	Yavar Yakub Vazi(10)
1.	Atul Ratnakar Thakre (10)	2.	Sharvari Shriram Tapase (9.82)
1.	Rishabh Parmanand Rathi (10)	3.	Gaurav Sudhir Sharma (9.78)
2.	Monica Mukeshkumar Dholwani (9.98)		
3.	Prince Varshney (9.93)		

### Student Achievements

S No.	Name of Student	Event	Achievement	Date
1	Rakshita Jayant Joshi, Kashmira Deshpande	Paper Publication	Drowsiness Detection System for Online Classes, IJATCSE Paper Vol 9 No 2	April 2020
2	Malhar Jadhao	Paper Publication	An Overview Of Coronavirus Disease Of 2019 (Covid-19), Journal of Critical Review, ISSN: 2394-5125, Paper Id : Rk 1743, IJSAE Publications	April 2020

### Students in Higher Studies

1. Yash Rathi of final year got selected in IIM Udaipur to pursue Master of Business Administration.
2. Aman Shrivastav of final year secured 767 all India rank in GATE-2020.

### Training and Placement News

- I. Interns at VMware got converted to placements.
  - 1) Rakshit Kathwate
  - 2) Naman Vidyabhanu
  - 3) Anmol Deshpande
- II. Interns at Sahaj Software got converted to placements.
  - 1) Anirudh Agrawal
  - 2) Raghav Lohit
- III. Interns from Amazon Services got converted to placements.
  - 1) Shruti Bichpuria
  - 2) Anshit Raika
  - 3) Aashi Shrivastva

## DEPARTMENT OF ELECTRONICS ENGINEERING

### Faculty Corner FDP Organized by Faculty

S No.	Name of Faculty	STTP/FDP/Training Organized	Duration/Date	Organizers of the event
1.	Dr Parag Jawarkar	One Week Online Faculty Development Program on ARDUINO	20 to 24 May 2020	Department of Electronics Engineering and EDT, in association with Spoken Tutorial Project, IIT Bombay
2.	Dr Parag Jawarkar	One Week Online Faculty Development Program on PERL	23 to 27 May 2020	Department of Electronics Engineering and EDT, in association with Spoken Tutorial Project, IIT Bombay
3.	Dr Parag Jawarkar	One Week Online Faculty Development Program on PHP and Myself	from 26 to 30 May 2020	Department of Electronics Engineering and EDT, in association with Spoken Tutorial Project, IIT Bombay

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION

### Faculty Corner Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal/Conference/Book	Date of Conference/Publication	ISSN/ISBN	DOI, vol., Iss., pp	SCI/Scopus/ICI/Other (index)
1.	Dr. S. B. Pokle U. Rao, Trivedi, S. Choudhary	Developing Wireless Video Surveillance Robot using Facial Detection Technique	International Journal of Advanced Research and Innovative Ideas in Education	April2020	2395-4396	Vol.-6, Issue-2, pp-1770-1774.	ICI

2.	Dr.S.B. Pokle N. Purohit, A. Mahatme, S. Qureshi, Ranjan	Design of Wirelessly Controlled Motion Robot for Disaster Search and Rescue Management	Journal of Communication Engineering and its Innovations	April2020	–	Vol.6, Issue -1, pp10-14, <a href="http://doi.org/10.5281/zenodo.3753290">http://doi.org/10.5281/zenodo.3753290</a>	Other
3.	Dr. D. J. Dahigaonkar, Dr. D. J. Khushalani	A Low Voltage Narrowband CMOS Low- Noise Amplifier for L-1 Band GPS RF Receivers	International Journal of Future Generation Communication and Networking	May 29, 2020	2233- 7857	Vol. 13, No. 3	ESCI
4.	Pallavi Parlewar, Divya Daswani, Komal Kushwaha, Sakshi Agrawal, Pratiksha Charlawar	IoT Based Emergency Security System for Women	'International Journal of Innovative Technology and Exploring Engineering (IJITEE)	May 2020,	ISSN: 2278- 3075 (Onli ne),	Volume-9 Issue-7, May 2020, Page No. 233-236	other
5.	Prasanna Deshpande and Rajesh Pande	Microelectro mechanical resonator design for high frequency	MEMS Resonator Filters (Edited by Dr. R. M. Patrikar, VNIT, Nagpur)	April 2020	ISBN- 13: 978 -1-785 61-89 6-3	Book DOI: 10.10 49/PB CS065E Chapter DOI: 10. 1049/PBCS065E_ ch4 pp. 93-144	Book Chapter
6.	Prasanna Deshpande and Rajesh Pande	Fabrication of high-frequency resonators				Book DOI: 10.10 49/PBCS065E Chapter DOI: 10. 1049/PBCS065E_ ch7pp. 209-236	
7.	Dr. (Mrs.) Bhumika A. Neole	A Survey on Cross Layer Framework based Energy Efficient Routing Protocols of Mamet	International Journal of Future Communication and Networking	ISSN:2233 -7857 IJFGCN	Vol. 13, No.1 (2020). pp 1125 -1135	Other	

8.	Ankita H Harkare	Methodology for Implementation of Building Management Systems	ICECMSN 2020, Sir M. Visvesvaraya Institute of Technology, Bangalore	20-21 Feb 2020	ISSN: 2367-4512		Conference
9.	A. P. Nilawar, Dr. C. G. Dethé	Performance Evaluation of Content-Based Image Retrieval Using Convolutional Neural Network	International Journal of Future Generation Communication and Networking	29-05-2020	ISSN (o): 2233-7857	Vol 13, No 3	ESCI
10.	A. P. Nilawar, Dr. C. G. Dethé	Content-Based Image Retrieval With Integrated Techniques	International Journal on Emerging Technologies	29-02-2020	ISSN No. (Online): 2249-3255	Vol 11, Issue No 2	Scopus (UNP AID)
11.	Anushka Singh, Rajeshwari Deshmukh, Riya Jha, Nishi Shahare, Sonam Verma, A.P. Nilawar	Brain Tumor Classification Using Convolutional Neural Network	International Journal of Advance Research and Innovative Ideas in Education	05-04-2020	ISSN (O)-2395-4396	Vol-6 Issue-2	ICI
12.	Anushka Singh, Rajeshwari Deshmukh, Riya Jha, Nishi Shahare, Sonam Verma, A.P. Nilawar	Brain tumor classification using CNN and VGG16 model	International Journal of Advance Research and Innovative Ideas in Education	05-04-2020	ISSN (O)-2395-4396	Vol-6 Issue-2	ICI

## STTP/FDP/other Training Attended by Faculty

S No.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1.	Dr. D.J. Dahigaonkar	Faculty Development Programme on LaTeX	20 April 2020 to 27 <sup>th</sup> April 2020	Spoken Tutorial, IIT Bombay and Pimpri Chinchwad College of Engineering & Research, Ravet, Pune
2.	Dr. (Mrs.) Bhumika A. Neole	FDP on Effective Proposal Writing for Researcher and Funding	13 <sup>th</sup> May to 18 <sup>th</sup> may 2020	Sandip Institute of Technology and Research Centre, Nashik, Organized by Department of Electronics & Telecommunication Engineering in association with IEEE Women in Engineering
3.	Dr. J D Kene	FDP on "Online Teaching-Learning Processes using ICT Tools for Education 4.0"	8th to 13th June, 2020	St. Vincent Pallotti College of Engineering and Technology, Nagpur.
4.	Prof. Ankita H Harkare	Training Frequency Selective Surfaces using HFSS	19th May 2020	Entuple Technologies Pvt. Ltd
5.	Ankita H Harkare	Training Design of Microwave Filter Using HFSS	23rd May 2020	Entuple Technologies Pvt. Ltd
6.	Ankita H Harkare	Training metamaterial concepts and applications	25th to 28th May 2020	Entuple Technologies Pvt. Ltd
7.	Ankita H Harkare	Training SIW based structures simulation using hfss	18th May 2020	Entuple Technologies Pvt. Ltd

## STTP/FDP/other Training Attended by Faculty

8.	Ankita H Harkare	Webinar Electromagnetic Aspects of 5G massive MIMO Systems: Antenna Design and Channel Modelling	June 16th 2020	Dept of EE, IIT Ropar
9.	Ankita H Harkare	Webinar Multiphysics Analysis for Medical Devices Using COMSOL	27th June 2020	COMSOL
10.	Ankita H Harkare	Webinar Series: Modern Antennas for Wireless Systems	22-24th May 2020	EN, Dept, RCOEM
11.	Ankita H Harkare	Udemy Course on Complete MATLAB Programming + MATLAB Simulink for Engineering	16.5 Hours Completed on 15 May 2020	Udemy
12.	Ankita H Harkare	Udemy Course on CST Antenna Design Certificate	4 Hours Completed on 5 May 2020	Udemy
13.	Ankita H Harkare	Udemy Course on VLSI Digital Design using Verilog and Hardware	18.5 Hours Completed on 25 June 2020	Udemy
14.	Prasheel Thakre	STTP Scilab	1 week 4 <sup>th</sup> -9 <sup>th</sup> may 2020	SBJITMR, Nagpur in association with IIT Bombay Spoken Tutorial
15.	Prasheel Thakre	FDP- Online teaching learning process using ICT tools for Education 4.0	1 week 8 <sup>th</sup> – 13 <sup>th</sup> June 2020	IT Dept., SVP CET, Nagpur
16.	Prasheel Thakre	Webinar- LTE core Network	One day 10 <sup>th</sup> June 2020	EC Dept., RCOEM, Nagpur
17.	Prasheel Thakre	Webinar- Virtual reality	14 <sup>th</sup> may 2020	SRM in Association with pantech solutions
18.	Prasheel Thakre	Webinar- Latex	5 <sup>th</sup> may 2020	IT Dept. RCOEM, Nagpur
19.	A. P. Nilawar	FDP(outcome based Education: a step towards excellence)	11-15 May 2020	Government College of Engineering, Karad

## STTP/FDP/other Training Attended by Faculty

20.	A. P. Nilawar	FDP (Signal, Image & Video Processing: A Practical Approach (SIVPAPA-2020))	26-30 May 2020	Government College of Engineering, Karad
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## Departmental Activities

### Conference, STTP and Guest Lectures organized in Department

S No.	Webinars	Speaker (with Affiliation)	Duration	Date
1.	An Online Webinar on “ Prospects for Engineers in Defence Forces”	Mr. Akshay Dubey Merchant Navy	1 hour	7th June 2020
2.	Personal Branding	Ms. Pallavi Banerjee, Regional Marketing Manager, Lloyd's Register Quality Assurance, Hyderabad and Alumni RCOEM 2009	1 hour	
3.	Webinar- Advanced Concepts in Circuit Simulation and Compact Modelling Online Workshop	Mr. Dhawal Mahajan, Pursuing PhD from Macquire University, Sydney, NSW, Australia	2 Days	25 and 26 May
4.	Webinar - Prospects for Engineers in Defence Forces	ETO Cadet Akshay Dube, Shipping Corporation of India and Alumni RCOEM 2016	1 Hour	7 June 2020
5	Webinar-Role of Embedded Systems, IoT towards upcoming career opportunities in 5G	Mr. Sarang Kulkarni, Embedded System Engineer- Analog Devices Inc. and Alumni RCOEM 2016	2 Hours	13 June 2020
6.	Live Game Development using Java Script (Webinar Series)	Mr. Vatsalya Mathur, Tech lead, Intuit Inc, USA , Alumni of EC Department 2013 batch	4 Days	6-9 June 2020

7.	Webinar - verilog & system verilog for beginners	Ms. Jae Bonde, Graphics Hardware Design Engineer, Intel Corporation Pvt. Ltd. Bangalore, India	1 day	28 <sup>th</sup> May 2020
8.	Webinar- Agile project Management	Program Manager, Operation Specialist, Mercedes Benz, Germany	1 day	11 May 2020

## Students' Corner

### Toppers List

Sr. No.	Second Year	Third Year	Fourth year
1.	Tejas Raghunath Sathawane	Charu Chandrakant Mali	—
2.	Anchal Subhash Agrawal	Ashita Upadhyay	—
3.	Varad Chandrashekhar Joshi	Sumeet Dilip Potle	—

### Students in Higher Studies:

Sr. No.	Guest Name	Introduction	Topic	Date
1	Mr. Aniruddha Paturkar	Mtech from BITS Pilani in Communication Engineering. EC 2017 batch alumni. He was all India 1054 rank holder in GATE 2017. Currently he is working in INTEL India.	Higher Education Opportunities in India and Importance of GATE in Engineering	on 31st May'20 at 05 PM IST
2.	Mr. Lohit Sinha	Mtech from Indian Institute of Technology Delhi in Computer Technology. EC 2017 batch alumni. He was all India 777 rank holder in GATE 2018.	Higher Education Opportunities in India and Importance of GATE in Engineering	01st June'20 at 05 PM IST
3.	Mr. Sanket Khemka	MBA from National Institute of Industrial Engineering Mumbai. EC 2016 batch alumni, he is currently working in Zinc Hindustan Limited (Vedanta Group) as Associate Manager. He had scored 98.5 percentile in CAT 2016.	Higher Education Opportunities in Management in India and abroad	02th June'20 at 07 PM IST



4.	Ms. Sharon Ezekiel	MS from National Singapore University, Singapore. EC 2016 batch alumni, she is currently working in Senior Database Engineer in Visa Technology Singapore.	Higher Education Opportunities in Singapore and Asian Universities	04th June'20 at 07 PM IST
5.	Ms. Neha Ingle	MS from University of Southern California USA. EC 2016 batch alumni, she is currently working in Cisco Enterprise Networking SD-WAN solution group USA. She has done masters in Electrical Engineering and Computer Networks..	Higher Education Opportunities in United States of America	05th June'20 at 10 AM IST
6.	Ms. Vasudha Potdar	MS from Technical University Munich Germany. EC 2018 batch alumni, currently working in Infineon Tech. Munich Germany.	Higher Education Opportunities in Germany	11th June'20 at 11 AM IST

## Training and Placement:

Placement Record of VIII Semester for the Session 2019-20

Sr. No.	Company	Package LPA	Domain	First Shift Selected	Second Shift Selected	Total Selection
1	Varroc	5	CORE	1	0	1
2	Cerium Systems	3.2	CORE	3	0	3
3	Morgan Stanley	7	IT	2	1	3
4.	Accenture FSE	6.5	IT	2	1	3
5.	L&T Infotech L2	6.5	IT	1	1	3
6.	Principal Global Investors LLC	6	IT	2	1	3
7.	Infosys Limited-Specialist-System Engineer	5	IT	0	1	1
8.	L&T Infotech L1	5	IT	14	11	25
9.	Accenture ASE	4.5	IT	32	28	60

10	IBM Associate Technical Engineer	4.5	IT	7	0	7
11	IBM Associate System Engineer	4.5	IT	0	3	3
12	Capgemini	3.8	IT	16	14	30
13	Wipro	3.75	IT	0	1	1
14	Chegg India	3.6	IT	1	1	2
15	Infosys Limited-System Engineer(RTMNU)	3.5	IT	2	0	2
16	Tata Consultancy Services	3.5	IT	21	19	40
17	Infogain India Private Limited	3.5	IT	0	1	1
18	Mastersoft ERP Solutions Pvt. Ltd.	3.5	IT	0	3	3
19	Birla Soft	3.25	IT	2	2	4
20	Hexaware Technologies	3	IT	1	1	2
21	CGI Information Systems & Management Consultant PVT.LTD	3	IT	0	1	1
22	Squareyards Dubai	12	OTHERS	1	0	1
23	Byjus	10	OTHERS	1	0	1
24	Zycus	6.5	OTHERS	0	2	2
25	Climber Knowledge and Career Pvt. Ltd.	6	OTHERS	3	6	9
26	Collabera Technologies Pvt. Ltd	4	OTHERS	1	0	1
<b>Average Package</b>		<b>5.02</b>		<b>113</b>	<b>98</b>	<b>211</b>

## Others

1	Dr. Rajesh Raut has successfully completed the course "IBM Data Science Professional Certificate" offered by Coursera in April 2020.
2	Dr. S. B. Pokle Participated in International webinar on How to fetch Research Grants, Organized by MBITS, and Mahatma Gandhi University, Kottayam, Kerala, on 9 June 020.
3	Dr. S. B. Pokle Attended 04 National webinars on 5 G Technology and LTE Technology during May 2020
4	Dr. S. B. Pokle attended 02 online workshops and 03 awareness programs on various topics during April-May 2020.
5	Dr. P. K. Parlewar attended Webinar: "NAAC: PATHWAY TO QUALITY SUSTENANCE (ENGINEERING EDUCATION)" on 01st and 02nd July 2020 organized by Internal Quality Assurance Cell (IQAC), RCOEM, Nagpur in association with National
6	Prof. P. S. Agrawal P. K. attended Webinar: "NAAC: PATHWAY TO QUALITY SUSTENANCE (ENGINEERING EDUCATION)" on 01st and 02nd July 2020 organized by Internal Quality Assurance Cell (IQAC), RCOEM, Nagpur in association with National

## DEPARTMENT OF ELECTRONICS DESIGN TECHNOLOGY

### 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.	Prof. (Mrs.) Anju Gupta	PCB Technology	19th June 2020	Department of Electronics Engg, GHRCE, 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. Deepali Kotambkar	NPTEL 12-week online course on "The Joy of Computing using Python"	27 <sup>th</sup> Jan 2020 to 17 <sup>th</sup> Apr 2020.	NPTEL & IIT Madras

2.	Prof. (Mrs.) Anju Gupta	NPTEL 12 weeks online course on "Micro and Nano fabrication"	course completed on 17th Nov 2019	NPTEL & IISc , Bangalore
3.	Prof. Jitendra Zalke	NPTEL 12 week's online course on "operating system"	Jan-June ,2020	NPTEL & IIT Delhi
4.	Prof. Jitendra Zalke	NPTEL 12 week's online course on " Compiler design"	Jan-June ,2020	NPTEL &IIT Kharagpur
5.	Dr. J. A. Shrawankar	NPTEL Lecture Series on " Overview of 5G technology and 5G testbed at IIT Madras by Prof. Radha Krishna Ganti, IIT Madras	23rd April,2020	NPTEL &IIT Madras
6.	Dr. J. A. Shrawankar	NPTEL Lecture Series on " The Joy of Teaching" By Prof. C. Balaji , IIT Madras	19th April, 2020	NPTEL & IIT Madras
7	Dr. J. A. Shrawankar	Webinar Series on " Modern Antennas for Wireless Systems" in association with Keysight Technologies	22 <sup>nd</sup> -24 <sup>th</sup> , May, 2020	RCOEM, Nagpur
8	Dr. J. A. Shrawankar	Webinar on Engineering Application in Inter Disciplinary Fields by Dr. P. M. Padole Director VNIT Nagpur	23 <sup>rd</sup> May, 2020	RCOEM, Nagpur
9	Dr. J. A. Shrawankar	Webinar on Industrial IoT – Current Scenario and Future Ahead"	9th May, 2020	RCOEM, Nagpur
10	Dr. Deepali Kotambkar	4 -week Online Coursera course on "Programming for Everybody (Getting Started with Python)"	11 <sup>th</sup> May 2020 to 14 <sup>th</sup> June 2020	University of Michigan

11.	Dr. Deepali Kotambkar and Prof. Jitendra Zalke	E- Shodh Sindhu Web of Science Certification Series	15 <sup>th</sup> May to 15 <sup>th</sup> June 2020	Clarivate, Web of Science.
12.	Dr. V. E. Khetade	Webinar on “ Role of Embedded systems , IoT towards upcoming career opportunities in 5G” by Mr. Sarang Kulkarni , Embedded System Engineer, Analog Devices Inc, North Carolina, USA	13 <sup>th</sup> June, 2020	RCOEM, Nagpur
13.	Prof. (Mrs.) Anju Gupta	4 weeks online course from Coursera on "Academic Literacy "	17 <sup>th</sup> May 2020	Moscow Institute of Physics and Technology
14.	Prof. (Mrs.) Anju Gupta	4 weeks Online course from Coursera on " Scholarly Communication"	28 <sup>th</sup> May 2020	Moscow Institute of Physics and Technology
15.	Prof. (Mrs.) Anju Gupta	4 weeks Online course from Coursera on " Grantsand Proposals"	6 <sup>th</sup> June 2020	Moscow Institute of Physics and Technology
16.	Prof. (Mrs.) Anju Gupta	4 weeks Online course from Coursera on "Technical Writing "	15 <sup>th</sup> June 2020	Moscow Institute of Physics and Technology
17.	Prof. (Mrs.) Anju Gupta	Webinar on “How to Build Healthier World Through Nanotechnology: Clean Energy Storage Perspective” by Dr. Manjusha Shelke, Principal Scientist, CSIR -National Chemical Laboratory, Pune	27 <sup>th</sup> May 2020	Chemistry Department, RCOEM, Nagpur
18.	Prof. (Mrs.) Anju Gupta	webinar series on, "Supercapacitors, Solar Cell Devices and Solar Thermal Technology", by Department of Physics and Solar Energy Research Center (SERC), RCOEM	11 <sup>th</sup> -14 <sup>th</sup> May, 2020	Department of Physics and Solar Energy Research Center (SERC), RCOEM Nagpur

19.	Prof. (Mrs.) Anju Gupta	webinar series on, "Supercapacitors, Solar Cell Devices and Solar Thermal Technology", by Department of Physics and Solar Energy Research Center (SERC), RCOEM	11 <sup>th</sup> -14 <sup>th</sup> May, 2020	Department of Physics and Solar Energy Research Center (SERC), RCOEM Nagpur
20.	Prof. Jitendra Zalke	Has completed and received the online coursera specialization certification in "Cybersecurity: Developing a Program for Your Business"	21 <sup>st</sup> June, 2020	University System of Georgia
21.	Prof. Jitendra Zalke	Has completed and received the online coursera specialization certification in "Introduction to Scripting in Python",	21 <sup>st</sup> June, 2020	Rice University
22.	Prof. Ruchir Nandanwar	Has completed certification course on "Python for Data Science and Machine Learning Bootcamp"	June 2020	Udemy

## Departmental Activities

### Conference, STTP and Guest Lectures organized in Department

S No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1.	Dr.(Mrs.) Deepali Kotambkar organized webinar on "Career Opportunities and Challenges for Engineers Post Covid-19"	Dr. Shahin Iqbal, Senior Vice President, Global Operations, BioGx, USA	16 <sup>th</sup> June, 2020	Monday

2.	Dr.(Mrs.) Deepali Kotambkar organized webinar on “Opportunities for Engineering the field of Biomedical Engineering”	Dr. Shahin Iqbal, Senior Vice President, Global Operations, BioGx, USA	16 <sup>th</sup> June, 2020	Monday
3.	Prof. (Mrs.) Anju Gupta organized webinar on" Machine Learning-Supervised and Unsupervised Algorithms".	Ms. Swapnil Shrivastava, Principal Technical Officer in Big Data Analytics group at C-DAC, Bangalore	10 <sup>th</sup> May, 2020	Monday
4.	Prof. Jitendra Zalke organized webinar on “Internet of Things: Space IoT and future trends”.	Mr. Sarthak Kelapure Research Scholar , Stuttgart University, Germany	29 <sup>th</sup> May, 2020	Monday

## DEPARTMENT OF INDUSTRIAL ENGINEERING

### Faculty Corner

#### Achievement by Faculty of department

- Dr. V. S. Deshpande reviewed the manuscript submitted to International Journal of Integrated Engineering.
- Dr. T. A. Madankar designed and developed scientific and ergonomically suitable mask for common man on the basis of guideline given by Govt. of India and made available for public use.

### Publications

SN	Name of the Authors	Title of the Book	Name of the Publisher	Date of Conference/ Publication	ISSN/ISBN	DOI, vol., Iss., pp	SCI/ Scopus/ ICI / Other (index)
1	Dr. Yogesh V. Deshpande	Advances in Mechanical Engineering (Book Chapter)	Springer	01/06/2020	978-981-15-3639-7		Scopus indexed
2.	Dr. Priya M. Khandekar	Advances in Mechanical Engineering (Book Chapter)	Springer	01/06/2020	978-981-15-3638-0		Scopus indexed

## STTP/FDP/other Training Attended by Faculty

S No.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1.	Dr. V. S. Deshpande	online workshop on Universal Human Values on the theme "Inculcating Universal Human Values in Technical Education"	14-18 June, 2020	All India Council for Technical Education (AICTE).
2.	Prof. Sachin Pund	Gender equality, gender bias, women rights and stereo typing"	22 <sup>nd</sup> to 26 <sup>th</sup> June 2020	IIIT, Nagpur
3.	Prof. Sachin Pund	Outcome based education : A step towards excellence	11 to 15 may 2020	Under the Margadarshan scheme of AICTE, New Delhi, Organized by Government college of Engineering, Karad.
4.	Prof. Sachin Pund	<b>The future of Supply Chain</b>	21 <sup>st</sup> April 2020	Vaave and NITIE Mumbai
5.	Dr. T. A. Madankar	Outcome based education : A step towards excellence	Outcome based education : A step towards excellence	Under the Margadarshan scheme of AICTE, New Delhi, Organized by Government college of Engineering, Karad.
6.	Dr. T. A. Madankar	Assessment and Accreditation: A step by step Process. Three days' workshop on NAAC	28,29 and 30 <sup>th</sup> May 20'	Dr. Bhaskar Patel, Principal, Gates Institute of Technology, Gooty (AP)
7.	Dr. T. A. Madankar	"Turn the Challenges to Opportunities: COVID-19 Pandemics and measures to combat in Higher Education of India"	28- May-2020	HRD Ministry and AICTE & UGC (Govt of India)



## STTP/FDP/other Training Attended by Faculty

8.	Dr. T. A. Madankar	How to Get Research Grants From UGC & AICTE (Minor Or Major Research Projects Application Process)	9 <sup>th</sup> June 2020	Department of Science & Humanities Shiju Ramachandran, Coordinator, COVID-19 Cell, MBITS, Kothamangalam, Kochi, Kerala.
9.	Prof. Mangesh Joshi	BOSS Linux	30th April - 6th May 2020	Pravara Rural Engineering college, Loni under IIT Bombay Spoken tutorial.
10.	Prof. Mangesh Joshi	PYTHON 3.4.3	03rd May - 07th May 2020	Dwarkadas J Sanghvi College of Engineering, Mumbai under IIT Bombay Spoken tutorial.
11.	Prof. Mangesh Joshi	Scilab	18th May 2020 to 22nd May 2020	Pune Vidyarthi Griha's College of Engineering and Technology, Pune under IIT Bombay Spoken tutorial.
12.	Prof. Mangesh Joshi	Renewable Energy and Utilization	26th May – 30th May 2020	Sandip Institute of Engineering and Management, Nashik.
13.	Dr. Yogesh V. Deshpande	Outcome based education: A step towards excellence	11th May – 15th May 2020	Govt College of Engg. Karad
14.	Dr. Yogesh V. Deshpande	Gender equality, gender bias, women rights and stereo typing”	22 <sup>nd</sup> to 26 <sup>th</sup> June 2020	IIT, Nagpur
15.	Prof. Rakshal Agrawal	R programming	29th April - 3rd May	PCE college Navi Mumbai in association with IIT spoken tutorial
16.	Prof. Himanshu Shukla	Scilab	03rd May - 07th May 2020	Dwarkadas J Sanghvi College of Engineering, Mumbai under IIT Bombay Spoken tutorial.

## STTP/FDP/other Training Attended by Faculty

17.	Prof. Himanshu Shukla	R programming	05th May - 09th May 2020	S. B. Jain Institute of Technology, Management & Research, Nagpur
18.	Prof. Himanshu Shukla	5 day FDP on Advanced Research Methodology	1st June to 5th June 2020	RCOEM Nagpur

## Departmental Activities

During lockdown, Industrial Engineering Society (IES) has organized “*Virtual Evening session of music*” on 2nd May, 2020 at 6 pm through Google meet. The main objective of program was to conduct an enjoyable session and to boost the students' moral during critical situation of lockdown. The program began with the Saraswati wandana by Miss. Aarya Joshi to seek the blessings of goddess Saraswati. The opening remark was given by Prof In-charge, IES, Dr. Yogesh V. Deshpande. The Head of Department, Dr. V. S. Deshpande motivated the students with his inspiring words. Students participated enthusiastically and many melodious performances took place such as flute performance by Mr. Sudhanshu, musical performance by Miss Aarya, poem by Miss Richa, musical performance by Mr. Yashraj Sharma. Few faculty members also participated and function was ended by vote of thanks, given by Mr. Harsh Tiwari, Secretary, IES.



## Conference, STTP and Guest Lectures organized in Department

S No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Date
1.	Coping up with anxiety during lockdown	Zohra Master and Yogita Madan, professional psychotherapists from Inner Planet.	7 June 2020
2.	Engineering Applications in Inter-Disciplinary Fields	Dr. P.M. Padole, Director, VNIT, Nagpur	23 <sup>rd</sup> May 2020
3.	Industry 4.0 Opportunities and Challenges	Mrs Mohini Sudumbrekar- Future Skills Consultants - Pune	20 <sup>th</sup> May 2020
4.	Business Process Reengineering”	Dr. R. P. Mohanty, Ex VC SOA University Bhubaneshwar, Odisha	25 <sup>th</sup> May 2020
5.	“Role of 5G in Industrial Automation	Mr. Ranjan Band, Vice President, Communication and Media vertical, Tech Mahindra, Europe	12 June 2020
6.	Relevance and Significance of Industrial Engineering Tools Post COVID-19 in Manufacturing and Supply Chain	Mr. Samir Kolte, Executive Director, Operations Consulting, RSM Astute Consulting Pvt. Ltd	30 <sup>th</sup> May 2020
7.	Machine Learning Techniques for Condition Monitoring	Dr. Shital S. Chiddarwar, Associate Professor, Dept. of Mechanical Engineering, VNIT, Nagpur	13 <sup>th</sup> June 2020
8.	Post Covid -The Supply Chain Resiliency a Compelling Need	Mr. Parag Deoras, President and CEO, PD value Solutions, Netherland	19 <sup>th</sup> May 2020
9.	Insight to Operation Research	Dr. L. Ganpathy, NITIE Mumbai	15 <sup>th</sup> June 2020

## Students' Corner

### Student Achievements

S No.	Name of Student	Event	Achievement	Date
1.	Neusy Jain	Worked as Academic Support Mentor for the Nagpur at MAD	Participation	2019-2020
2.	Rasika Palkar	AI for everyone course on Coursera	Successfully Completed	30/06/2020
3.	Divya Vyawahare, Akshansh Jaiswal, Aayush Umesh Bisani, Snehal Rathi Rucha Anand Toal, Krishna Chaturvedi, Neusy Ravikant Jain, Rucha Taol Aman Jhawar, Parth Laxmikant Jaiswal, Abdul Daniyal Kazi, Tanu Ritesh Agrawal, Vishakha Arvind Agrawal, Meher Shantanu Singh, Shubham Madan Tiwari, Tanmay Manohar Wasu, Ved Abhay Tare, Yash Buty, Kartik Agrawal, Bhavisha Agrawal, Shivam Rathi	Advanced Cpp Training organized by Spoken Tutorial IIT, Bombay	Successfully Completed	May 2020
4.	Yash Buty	AWSOME day online conference	Attended	20 <sup>th</sup> May 2020
5.	Tanu Ritesh Agrawal, Aman Jhawar, Aryaa Anirudha Joshi, Ayushi Ashutosh Lanke Bhavisha Agrawal	Six sigma Principles Course on Coursera	Successfully Completed	May 2020
6.	Tanu Ritesh Agrawal Aryaa Anirudha Joshi Ayushi Ashutosh Lanke Bhavisha Agrawal Aman Jhawar	Six Sigma Tools And Analyze Course on Coursera	Successfully Completed	May 2020
7.	Tanu Ritesh Agrawal Aryaa Anirudha Joshi Ayushi Ashutosh Lanke Bhavisha Agrawal Aman Jhawar	Six Sigma Tools for define & measure Course on Coursera	Successfully Completed	June 2020

8.	Aman Jhavar, Aryaa Anirudha Joshi, Ayushi Ashutosh Lanke, Bhavisha Agrawal	six sigma tools for improve and control Course on Coursera	Successfully Completed	June 2020
9.	Aryaa Anirudha Joshi, Bhavisha Agrawal, Aman Jhavar	Six Sigma Yellow Belt course on Coursera	Successfully Completed	June 2020
10.	Ayushi Ashutosh Lanke Rasika Palkar	Initiating and Planning projects course on Coursera	Successfully Completed	May 2020
11.	Aayush Umesh Bisani Vishakha Arvind Agrawal	Introduction to HTML5 course on Coursera	Successfully Completed	May 2020
12.	Abhijit Shirish Rajurkar Abdul Daniyal Kazi	Introduction to SQL course on Coursera	Successfully Completed	June 2020
13.	Yash Buty	Getting started with Python, Python Data Structures, Building conventional experiences with Dialog flow Managing Money(MBA insights for Undergraduate, are the courses on Coursera	Successfully Completed	April, May June 2020
14.	Yash Buty	Matlab Training	Successfully Completed	April 2020
15.	Sudhanshu Ayer	Python programming course on Coursera	Successfully Completed	April 2020
16.	Sudhanshu Ayer	Seimens Basic PLC	Successfully Completed	June 2020
17.	Abdul Kazi	Supply Chain Logistics course on Coursera	Successfully Completed	April 2020
18.	Neusy Jain	HIRO WORKSHOP on Personal Growth Hacking.	Attended	June 2020
19.	Snehal Rathi	Certified Operational Excellence Manager Lean Six Sigma Green Belt On Faber Infinite consulting	Successfully Completed	May 2020
20.	Aayush Umesh Bisani	Interactivity with Javascript Introduction to CSS3 Introduction to Google Docs Learning how to learn: Powerful mental tools to help you master tough subjects	Successfully Completed	May & June 2020

21.	Meher Shantanu Singh	Introduction to data science in pythonJava for Android	Successfully Completed	May and June 2020
22.	Rucha taol	3 days workshop on Public Speaking	Attended	June 2020
23.	Ayushi Ashutosh Lanke	Excel skills for business-essentials course on coursera	Successfully completed	13/06/2020
24.	Ved Abhay Tare	Google Cloud Platform Fundamentals : Core Infrastructure course on coursera	Successfully completed	25/05/2020
25.	Abhijit Shirish Rajurkar	specialization in python language course on coursera	Successfully completed	22/06/2020
26.	Kartik Agrawal	performance management and competency mapping by GBSO eglobsyn business school	Successfully completed	29/06/2020
27.	Rasika Palkar	The Fundamentals of Digital marketing by Google	Successfully completed	28/05/2020
28.	Arya Joshi	Internship at My captain	Completed	14 <sup>th</sup> may to 15 <sup>th</sup> June 2020
29.	Shivam Rathi	Python programming by Udemy	Completed	April 2020
30.	Sudhanshu Ayer	Project Planning and Machine Learning course on Coursera	Successfully completed	April 2020

## Students in Higher Studies

Sr. No.	Name of Student	Name of exam	Score/Percentile
1.	Anshul Chandak	CAT	82 percentile
2.	Mohit Kungwani	CAT	94 percentile
3.	Naman Trivedi	CAT	83 percentile
4.	Bhushan Agrawal	CAT	95 percentile
5.	Muskan Agrawal	CAT	82 percentile
6.	Achnit Bajoria	CAT	74 percentile
7.	Bhoomi Khandelwal	CMAT	150
8.	Simran Harish Vaswani	IELTS	7.5
9.	Muskan Agrawal	Gate	24.33

## DEPARTMENT OF INFORMATION TECHNOLOGY

### Faculty Corner

#### Guest Lectures taken by faculty

	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
1.	Prof. Purshottam J. Assudani	Webinar on Basic Concepts of Cloud Computing- AWS	30 <sup>th</sup> April, 2020	RCOEM, Nagpur
2.	Prof. A. V. Chandak	Webinar on Introduction to Latex	05 <sup>th</sup> May, 2020	RCOEM, Nagpur

#### STTP/FDP/other Training Attended by Faculty

	Name of Faculty	Course Name	Date of Guest Lecture	Organizers of Guest Lecture
1.	Dr. D. S. Adane	AI for Everyone	25th April-25th May 2020	Coursera

## STTP/FDP/other Training Attended by Faculty

2.	Dr. P. D. Adane	Blockchain Technology and its Applications	25 <sup>th</sup> May to 29 <sup>th</sup> May	EDUXLABS
3.	Dr. P. D. Adane	Blockchain Basics	11 <sup>th</sup> May to 8 <sup>th</sup> June	Coursera
4.	Dr. P. D. Adane	Smart Contracts	8 <sup>th</sup> June to 6 <sup>th</sup> July	Coursera
5.	Prof. P. J. Assudani	Basics of Cloudsim	April-May 2020	Udemy

## Departmental Activities

### Conference, STTP and Guest Lectures organized in Department

S No.	Conference/STTP/Guest Lecture/ Webinar organised	Speaker (with Affiliation)	Duration	Date
1.	Workshop on Linux Operating System	Mr. Madan Tiwari Cloud Consultant Masycoda Solutions, Nagpur	15 Hours	23 <sup>rd</sup> May to 27 <sup>th</sup> May 2020
2.	Webinar on Basic Concepts of Cloud Computing- AWS	Dr. Aniket Pingley, Senior Engineer, Maths Work, Bengaluru. Prof. Purushottam Assudani, Assistant Professor, IT Department, RCOEM	5 Hours	30 <sup>th</sup> April
3.	Guest lecture on Different Roles of an IT professional in an Industry, How to prepare for an interview	Mr. Deepak Jha, 2014 Batch, Product Manager, Do Your Thng, Gurgaon	2 Hours	1 <sup>st</sup> May
4.	Guest lecture on Soft skills requirement of an IT Industry	Ms. Shubhada Jambhekar, Assistant Manager (HR, Operations), Torana Inc. Nagpur	2 Hours	2 <sup>nd</sup> May



5.	Webinar on Introduction to LaTeX	Prof. Ashish Chandak Assistant Professor, IT Department, RCOEM	2 Hours	9 <sup>th</sup> May
6.	Webinar on Being Optimistic and Productive during Lockdown	Mr. Vinay Chawla International Motivator	2 Hours	19 <sup>th</sup> May
7.	Webinar on Security in IOT: Challenges and Countermeasures	Dr. Suraj Sharma, Department of CSE, IIT Bhubaneswar,	2 Hours	29 <sup>th</sup> May
8.	Webinar on Introduction to Blockchain Technology	Mr. Ravikant Agrawal, Principal Consultant Infosys Management Consulting, Pune	2 Hours	31 <sup>st</sup> May
9.	Webinar on Fundamentals of Software Testing Techniques	Dr. Jagganath Singh, School of Computer Engineering, KIIT University, Bhubaneswar	2 Hours	4 <sup>th</sup> June
10.	Webinar on Introduction to Red Hat Open shift Platform	Mr. Rajat Agrawal, Learning and Development Instructor, Red Hat India Pvt. Ltd. Pune	2 Hours	9 <sup>th</sup> June
11.	Webinar on Mental Health Awareness Program	Dr. Pragya Mathur Kumar, Freelance Trainer, Counseling and Sports Psychologist	2 Hours	18 <sup>th</sup> June

## Students' Corner

### Toppers List

Sr. No.	Second Year	Third Year	Fourth year
1.	S Bhavana (9.7)	Shivam Ashok Vishwakarma (9.93)	Rucha Madhusudan Shende (9.62)
2.	Swarali Sunil Gogulwar (9.15)	Sanidhya Sanchit Pawar (9.66)	Bharat Sunil Makhija (9.33)
3.	Anshul Manishkumar Agrawal (8.99)	Rohit Rajesh Channe (9.51)	Chitra Harish Dangra (9.3)

### BEYOND ACADEMICS:

- 97.1% of 2019-20 Batch eligible IT students got placed through campus drive till 19/8/2020.
- Top IT companies like ZS Associates, Informatica, Mu-Sigma, Accenture, Capgemini, Infosys, L&T Infotech, TCS, Cybage, Climber, Hexaware, IBM, Jade Global, Mphasis, Birlasoft, Coznizant and Persistent selected 67 students from the Department.

The placement details of department for the session 2019-20 are as follows:

Sr. No.	Company Name	No. of Offers
1	ZS Associates	3
2.	Mu Sigma	10
3.	Accenture ASE	36
4.	Capgemini	22
5.	Persistent	5
6.	Infosys	2
7.	Accenture FSE	6
8.	L&T Infotech	21
9.	L&T Infotech	2
10.	TCS	14
11.	Cybage	2
12.	Climber	1

13	Hexaware	1
14	IBM	2
15	Jade Global	3
16	Mphasis	2
17	Informatica	1
18	BirlaSoft	1
19	Cognizant	2
20	Chegg	2
21	Stetig Consulting Private Limited	1
22	Absyz	3

- 34 students of the department completed their internship in top IT companies. The list of the same is given below.

Sr. No.	Company Name	Count
1	TCS	7
2	ZS Associates	2
3	Seimens	2
4	NEERI	1
5	Tech Mahindra	1
6	Crio	1
7	Capillary	1
8	Fivetran	2
9	Persistent	2
10	Jade Global	3
11	Absyz	3
12	Informatica	1
13	Climber	1
14	Vconstruct	1
15	MasterSoft	1
16	Sabertooth Technologies	2
17	Accenture	1
18	GE Appliances	1
19	Grhapa	1
	Total	34

## DEPARTMENT OF MECHANICAL 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. S. S. Joshi	Solar Thermal Technologies: Principles and applications. in the Webinar Series on 'Supercapacitors, Solar Cell Devices and Solar Thermal Technology”,	13 May 2020	Dept. of Physics, RCOEM Nagpur
2.	Dr. S. S. Joshi	Solar Thermal technology in the Online FDP on 'Renewable Energy Sources - A Way ahead'	18 May 2020	Cummins COE Nagpur
3.	Dr. P. S. Deole	Condition monitoring with learning based methods in One-week Short Term Training Program (STTP) on “Advanced tools for research in Mechanical Engineering”	3 March 2020	Dept. of Mechanical Engineering, RCOEM
4.	Dr. S. S. Joshi	Scientific literature review and Research paper writing in One week short term training programme on “Advanced tools for research in Mechanical Engineering	4 March 2020	Dept. of Mechanical Engineering, RCOEM
5.	S R Kulkarni	Research Methodology, in One week short term training programme on “Advanced tools for research in Mechanical Engineering	2nd March 2020	Dept. of Mechanical Engineering, RCOEM
6.	Dr. G. R. Nikhade & Dr. V. V. Shukla	Finite Element Method and its Engineering Applications	3rd March, 2020	Department of Mechanical Engineering of Dr. Babasaheb Ambedkar Technological University Maharashtra

## Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal/ Conference/ Book	Date of Conference/ Publication	ISSN/ ISBN	DOI, vol., Iss., pp	SCI/ Scopus /ICI / Other (index)
1.	Dr. S. S. Joshi	Performance Analysis of Parabolic Trough Solar Collector with 'U'-Tube and Helical Coil Receivers	Advances In Energy Research, Springer	May 2020	978-981-15-2661-9		Scopus
2.	Dr. S. S. Joshi	Performance Analysis of Spiral and Conical Receivers for the Paraboloidal Dish Collector Using CFD'	Advances In Energy Research, Springer	May 2020	978-981-15-2661-10		Scopus
3.	Dr. S. S. Joshi	Computational Fluid Dynamic (CFD) Analysis of Air-Based Photovoltaic Thermal System'	Advances In Energy Research, Springer	May 2020	978-981-15-2661-11		Scopus
4.	Dr. S. S. Joshi	Design, Development and Analysis of Intake Manifold of Single-Cylinder Diesel Engine'	Lecture Notes in Mechanical Engineering, Springer	Feb 2020	978-981-15-1200-1		Scopus

5.	Dr. S. S. Joshi	Performance Analysis of Corrugated Inclined Basin Solar Distillation System Coupled with Parabolic Trough Collector'	Advances in Mechanical Engineering', Springer	June 2020	978-981-15-3639-7		Scopus
6.	Dr. S. S. Joshi	Numerical investigations of Photovoltaic phase change materials system with different inclination angles'	Advances in Mechanical Engineering', Springer	June 2020	978-981-15-3639-8		Scopus
7.	Dr. P. S. Deole	Tool Condition Prediction Using Acoustic Signal Processing And Learning Based Methods	Advances In Energy Research, Springer	June 2020	978-981-15-3639		Scopus
8.	Dr. Alok Kumar Jha	Model-Based Synchronized Control of a Robotic Dual -Arm Manipulator	Advances In Energy Research, Springer	June 2020	978-981-15-3639-7		Scopus

### STTP/FDP/other Training Attended by Faculty

S No.	Name of Faculty	STTP/FDP / Training Attended	Duration/Date	Organizers of the event
1.	S R Kulkarni	SPSS Applications in Data Analytics	3 days ( 18,19 and 24 June 2020)	PHD Chamber of Commerce and Industry, New Delhi
2.	Dr. V. V. Shukla	How to build Healthier World through Nanotechnology: Clean Energy storage perspective	27-May-20	Chemistry, RCOEM
3.	Dr. V. V. Shukla	Outcome based education software services Pune	4-Jun-20	Vmedulife

4.	Dr. V. V. Shukla	Engineering Applications in Interdisciplinary fields	23-May-20	Industrial Engg, RCOEM
5.	Dr. V. V. Shukla	Electrical Vehicle Charging station	25-May-20	Electrical Engg., RCOEM
6.	Dr. V. V. Shukla	Post Covid - The Supply chain resiliency a compelling need	19-May-20	Industrial Engg, RCOEM
7.	Dr. V. V. Shukla	Cold Room Design and Refrigeration cycle	25-May-20	ISHRAE
8.	Dr. V. V. Shukla	Research schemes and funding awareness quiz	14-May-20	Mechanical and Civil Engg
9.	Dr. V. V. Shukla	IoT the beginning of new era	15-May-20	Department of Computer Applications, RCOEM
10.	Dr. V. V. Shukla	Algebra: Historical Developments and Applications	13-May-20	Department of mathematics, RCOEM
11.	Dr. V. V. Shukla	An introduction to Electric vehicle landscape in India	12-May-20	Department of Electrical Engg, RCOEM
12.	Dr. V. V. Shukla	Introduction to clean energy technologies and their Techno-commercial aspects	8-May-20	Department of Mechanical Engg, RCOEM
13.	Dr. V. V. Shukla	Introduction to NiLabview	7-May-20	Department of Mechanical Engg, RCOEM
14.	Dr. V. V. Shukla	International Society of Automation: Technical Activities and Growth opportunities	4-May-20	Department of Mechanical Engg, RCOEM
15.	Dr. V. V. Shukla	Recent Advances in IoT/IIoT	5-May-20	Department of Mechanical Engg, RCOEM
16.	Dr. V. V. Shukla	Basics of Automotive reliability	6-May-20	Department of Mechanical Engg, RCOEM

17.	Dr. V. V. Shukla	Advanced material Characterization Techniques	23-May-20	Industrial Engg, RCOEM
18.	Dr. V. V. Shukla	Personal Branding	22-May-20	RCOEM
19.	Dr. V. V. Shukla	Using in-situ Synchrotron X-ray diffraction to study deformation mechanisms in Magnesium alloys	26-May-20	ME, RCOEM
20.	Dr. V. V. Shukla	Development of filter media for air filtration applied in air masks	27-May-20	ME, RCOEM
21.	Dr. V. V. Shukla	Recent advances in Material Research- Overview of roll forming of high strength steels	28-May-20	ME, RCOEM
22.	Dr. V. V. Shukla	Formability of sheet metals in roll forming	29-May-20	ME, RCOEM
23.	Dr. Y. M. Sonkhaskar	Using in-situ Synchrotron X-ray diffraction to study deformation mechanisms in Magnesium alloys	26-May-20	ME, RCOEM
24.	Dr. Y. M. Sonkhaskar	Development of filter media for air filtration applied in air masks	27-May-20	ME, RCOEM
25.	Dr. Y. M. Sonkhaskar	Recent advances in Material Research- Overview of roll forming of high strength steels	28-May-20	ME, RCOEM
26.	Dr. Y. M. Sonkhaskar	Formability of sheet metals in roll forming	29-May-20	ME, RCOEM
27.	Dr. Y. M. Sonkhaskar	Introduction to clean energy technologies and their Techno-commercial aspects	8-May-20	Department of Mechanical Engg, RCOEM
28.	Dr. Y. M. Sonkhaskar	Introduction to NiLabview	7-May-20	Department of Mechanical Engg, RCOEM



29.	Dr. Y. M. Sonkhaskar	International Society of Automation: Technical Activities and Growth opportunities	4-May-20	Department of Mechanical Engg, RCOEM
30.	Dr. Y. M. Sonkhaskar	Recent Advances in IoT/IIoT	5-May-20	Department of Mechanical Engg, RCOEM
31.	Dr. Y. M. Sonkhaskar	Basics of Automotive reliability	6-May-20	Department of Mechanical Engg, RCOEM
32.	Dr. Y. M. Sonkhaskar	Engineering Applications in Interdisciplinary fields	23-May-20	Industrial Engg, RCOEM
33.	Dr. Y. M. Sonkhaskar	Two weeks Faculty Development Programme Managing Online Classes and Co-Creating MOOCS- 2.0	May 18 to June 03, 2020	Ramanujan College University of Delhi
34.	Dr. Y. M. Sonkhaskar	One weeks Faculty Development Programme Outcome Based Education: A Step Towards Excellence	11 to 15 May 2020	Government College of Engineering, Karad
35.	Dr. Y. M. Sonkhaskar	6 Day Online Proficiency Improvement Programme on Electric Vehicles	24th to 29th April 2020	Automotive Research Association of India (ARAI) Pune
36.	Dr. Y. M. Sonkhaskar	One week online Faculty Development Program on "Overcoming The Challenges In Adapting Online Technology In Teaching Learning	6- 11 May 2020	Jhulelal Institute of Technology Nagpur in Association with ISTE and upGrad.
37.	Dr. Alok Kumar Jha	Five Days Online FDP on Materials for Thermal and Renewable Energy Research	20-24 May 2020	Mechanical
38.	Dr. Alok Kumar Jha	Five Days Short Term Webinar cum Online Training Programme on Intelligent Robotics and Machine Vision Technology in Current Scenario.	25-29 May 2020	Mechanical

39.	Dr. Alok Kumar Jha	One Week FDP on Theory and Simulations in Robotics	01-07 June 2020	Electronics and ICT Academy, NIT Patna
40.	Dr. Alok Kumar Jha	Five Days Online FDP on Manufacturing Machining and Testing of Composites	15-19 June 2020	Mechanical
41.	Dr. Alok Kumar Jha	Webinar Series on Recent Advances in Material Research	26-29 May 2020	Mechanical
42.	Dr. Alok Kumar Jha	A webinar on Machine Learning Techniques for Condition Monitoring	13-Jun-20	Industrial Engg, RCOEM
43.	Dr. Alok Kumar Jha	A webinar on Role of 5G on Industrial Automation	12-Jun-20	Industrial Engg, RCOEM
44.	Dr. Alok Kumar Jha	Engineering Applications in Interdisciplinary fields	23-May-20	Industrial Engg, RCOEM
45.	Dr. Alok Kumar Jha	Research Thrust Areas in Composites	20-May-20	Mechanical
46.	Dr. Alok Kumar Jha	Post Covid - The Supply chain resiliency a compelling need	19-May-20	Industrial Engg, RCOEM
47.	Dr. Alok Kumar Jha	International Webinar on Stress Management During COVID-19	18-May-20	Department of Physical Education
48.	Dr. Alok Kumar Jha	Introduction to clean energy technologies and their Techno-commercial aspects	08-May-20	Mechanical
49.	Dr. Alok Kumar Jha	Introduction to Ni-Lab VIEW	07-May-20	Mechanical
50.	Dr. Alok Kumar Jha	Webinar in Introduction to Automotive Reliability	06-May-20	Mechanical
51.	Dr. Alok Kumar Jha	Recent Advances and Applications in IoT/IIoT	05-May-20	Mechanical
52.	Dr. Alok Kumar Jha	International Society of Automation: Technical Activities and Growth opportunities	04-May-20	Mechanical

53.	Dr. S. S. Joshi	Introduction to clean energy technologies and their Techno-commercial aspects	08-May-20	Mechanical
54.	Dr. S. S. Joshi	Webinar in Introduction to Automotive Reliability	06-May-20	Mechanical
55.	Dr. S. S. Joshi	Recent Advances and Applications in IoT/IIoT	05-May-20	Mechanical
56.	Dr. S. S. Joshi	International Society of Automation: Technical Activities and Growth opportunities	04-May-20	Mechanical
57.	Dr. S. S. Joshi	Supercapacitors, Solar Cell Devices and Solar Thermal Technology	11 - 15 may 2020	Dept. of Physics
58.	Dr. S. S. Joshi	On 'Renewable Energy Sources - A Way ahead	15 May -21 May 2020	Cummins COE Nagpur
59.	Dr. S. S. Joshi	Engineering Applications in Interdisciplinary fields	23-May-20	Industrial Engg, RCOEM
60.	Dr. S. S. Joshi	“Experiences in Solar Energy: Challenges& Opportunities”	8 June - 13 June 2020	PCCOE Pune
61	Dr. S. S. Joshi	Selecting Critical Components for Solar Power Plant	15 May 2020	Adani Solar
62.	Dr. S. S. Joshi	Five Days Online FDP on Materials for Thermal and Renewable Energy Research	20-24 May 2020	Sri Sai Ram Institute of Technology Chennai
63.	Dr. S. S. Joshi	“Renewable Energy: Application & Entrepreneurship”	26-30 May 2020	College of Engineering And Technology, Bambhori, Jalgaon
64.	Prof. S. S. Deshmukh	Introduction to clean energy technologies and their Techno-commercial aspects	08-May-20	Mechanical

65.	Prof. S. S. Deshmukh	Introduction to Ni-Lab VIEW	07-May-20	Mechanical
66.	Prof. S. S. Deshmukh	Webinar in Introduction to Automotive Reliability	06-May-20	Mechanical
67.	Prof. S. S. Deshmukh	Recent Advances and Applications in IoT/IIoT	05-May-20	Mechanical
68.	Prof. S. S. Deshmukh	International Society of Automation: Technical Activities and Growth opportunities	04-May-20	Mechanical
69.	Prof. S. S. Deshmukh	8 weeks FDP on steam and gas power systems by NPTEL	Jan 2020-Apr 2020	Mechanical
70.	Dr. P. S. Deole	Strategies for Success in the Engineering Field - Post COVID-19	16-May-20	Mechanical
71.	Dr. P. S. Deole	Resume writing and Interview Techniques	22-May-20	Mechanical
72.	Dr. P. S. Deole	Using in-situ Synchrotron X-ray diffraction to study deformation mechanisms in Magnesium alloys	26-May-20	ME, RCOEM
73.	Dr. P. S. Deole	Development of filter media for air filtration applied in air masks	27-May-20	ME, RCOEM
74.	Dr. P. S. Deole	Recent advances in Material Research- Overview of roll forming of high strength steels	28-May-20	ME, RCOEM
75.	Dr. P. S. Deole	Formability of sheet metals in roll forming	29-May-20	ME, RCOEM
76.	Dr. P. S. Deole	One Week Online Faculty Development Programme on educational video Creation	12-18-June-20	RMG college Hingoli

77.	Dr. P. S. Deole	How to get research grant from UGC,AICTE	9-June-20	S&H dept, MBITS
78.	Dr. P. S. Deole	“Post Covid -The Supply Chain Resiliency a compelling need	19-May-20	Industrial Engineering
79.	Dr. P. S. Deole	“Role of Frequency and Voltage for Stability of Power System	20-May-20	Electrical Engineering
80.	Dr. P. S. Deole	one week faculty development program Improving Teaching Learning Experience using Best Practices	15-19-June-20	Sanghvi College
81.	Dr. P. S. Deole	Engineering Applications in Interdisciplinary fields	23-May-20	Industrial Engineering
82.	Dr. P. S. Deole	Basics of Indian Power Sector and Power Markets	17-May-20	Electrical Engg., RCOEM
83.	Dr. P. S. Deole	Two weeks faculty development program on empowerment through digital technology and e learning	1-12-June-20	SNDT Womens University
84.	Dr. P. S. Deole	Machine Learning Techniques for Condition Monitoring	13-June-20	Industrial Engineering
85.	Dr. P. S. Deole	Post-COVID or CO-Covid: Challenges and opportunities	10-June-20	IQAC Cell
86.	Dr. P. S. Deole	The Pedagogical Innovations of 21st Century	11-June-20	IQAC Cell
87.	Dr. P. S. Deole	One Week Faculty development program on Engineering and Management Teaching Pedagogy-An industry perspective	11-16-May-20	Dept. of Mech. Engg.

88.	Dr. P. S. Deole	Two Week Online Workshop on "Comprehensive e-Learning to e-Training guide for Administrative Work"	25 May-5 June 20	Ramanujan College University of Delhi
89.	A. D. Urade	NPTEL-SWAYAM course on Product Design and Manufacturing	January to April 2020 (12 Week course)	NPTEL-SWAYAM
90.	A. D. Urade	One Week STTP on Advanced tools for research in Mechanical Engineering	2 March to 6 March 2020	Mechanical Engineering
91.	A. D. Urade	One Week online FDP on Engineering and Management Teaching Pedagogy- An Industry Perspective	11 May to 16 May 2020	Mechanical Engineering
92.	A. D. Urade	One Week online FDP on Renewable Energy Sources: A Way Ahead	15 May to 21 May 2020	Mechanical Engineering, ASM Pune & ISHRAE Nagpur
93.	A. D. Urade	One Week online FDP on Materials for Thermal and Renewable Energy Research	20 May to 24 May 2020	Mechanical Engineering
94.	A. D. Urade	One Week online FDP on Advancement in Science and Humanities	25 May to 29 May 2020	Science & Humanities
95.	A. D. Urade	One Week online FDP on Lean Six Sigma (Green Belt Certificate)	26 May to 31 May 2020	Mechanical Engineering & Fluid Control Pvt. Ltd. Pune
96.	A. D. Urade	One Week online FDP on Ethical Practices in Engineering	28 May to 03 June 2020	Mechanical Engineering
97.	A. D. Urade	One Week online FDP on Digital Entrepreneurship and Investment	29 May to 02 June 2020	Management studies

98.	A. D. Urade	One Week online FDP on Contemporary Developments in Manuf. Processes, and Industrial Technologies	9 June to 13 June 2020	Mechanical Engineering
99.	A. D. Urade	One Week online FDP on Manufacturing, Machining and Testing of Composites	15 June to 19 June 2020	Mechanical Engineering
100.	A. D. Urade	One Week online FDP on Advanced Machining Techniques	22 June to 27 June 2020	Mechanical Engineering & IPE Tamilnadu Chapter.
101.	A. D. Urade	Webinar series on Super capacitors, Solar Cell Devices and Solar Thermal Technology	11 May to 14 May 2020	Physics Dept. & SERC
102.	A. D. Urade	Webinar series on Recent Advance in Material Research	26 May to 29 May 2020	Mechanical Engineering
103.	S R Kulkarni	Three Days online workshop on SPSS Applications in data Analysis	18th, 19th and 24th June 2020	PHD Chamber of Commerce and Industry, New Delhi
104.	S R Kulkarni	One week short term training programme on "Advanced tools for research in Mechanical Engineering"	2nd to 7th March 2020	Mechanical Engineering Dept., RCOEM, Nagpur
105.	S. A. Patil	12-Week FDP on Computational Fluid Dynamics for Incompressible Flows	27-Jan to 17-April 2020	IIT Guwahati
106.	S. A. Patil	08-Week FDP on steam and gas power systems	24-Feb to 17-April 2020	IIT Roorkee
107.	S. A. Patil	One-week Short Term Training Program (STTP) on "Advanced tools for research in Mechanical Engineering"	02-06 March 2020	ME, RCOEM

108.	S. A. Patil	Introduction to NiLabview	7-May-20	ME, RCOEM
109.	S. A. Patil	Latest ISHRAE guidelines on HVAC to deal with pandemic	15-May-20	ISHRAE Nagpur chapter
110.	S. A. Patil	Engineering applications in inter-disciplinary field	23-May-20	Department of Industrial Engg, RCOEM
111.	S. A. Patil	Using in-situ Synchrotron X-ray diffraction to study deformation mechanisms in Magnesium alloys	26-May-20	ME, RCOEM
112.	S. A. Patil	Development of filter media for air filtration applied in air masks	27-May-20	ME, RCOEM
113.	S. A. Patil	Recent advances in Material Research-Overview of roll forming of high strength steels	28-May-20	ME, RCOEM
114.	S. A. Patil	Formability of sheet metals in roll forming	29-May-20	ME, RCOEM
115.	S. A. Patil	International Society of Automation: Technical Activities and Growth opportunities	4-May-20	ME, RCOEM
116.	S. A. Patil	Recent Advances in IoT/IIoT	5-May-20	ME, RCOEM
117.	S. A. Patil	Strategies for success in the engineering field-Post covid-19	16-May-20	ME, RCOEM
118.	N. P. Gudadhe	Design of Experiments : An Engineering Perspective	22-24 April, 2020	JAER & Hexacube India
119.	N. P. Gudadhe	Fuzzy Logic and Neural Network Approaches for Engineering Solutions	29-30 April, 2020	JAER & Hexacube India
120.	N. P. Gudadhe	Recent Advances and Applications in IOT	5 May, 2020	Mechanical Engg



121	N. P. Gudadhe	Casting Defects and Remedies with case studies	6 May, 2020	PPDC, Agra
122	N. P. Gudadhe	Introduction to Automotive Reliability	6 May, 2020	Mechanical Engg
123	N. P. Gudadhe	Introduction to Clean Energy Technologies and their Techno-Commercial Aspects	8 May, 2020	Mechanical Engg
124	N. P. Gudadhe	Supercapacitors, Solar Cell Devices and Solar Thermal Technology	11-14 May, 2020	Department of Physics
125	N. P. Gudadhe	Strategies for success in the Engineering Field-Post Covid-19	16 May, 2020	Mechanical Engg
126	N. P. Gudadhe	Method to Magic	17 May, 2020	Business Management
127	N. P. Gudadhe	Applications of Artificial Intelligence in Manufacturing Industries	21 May, 2020	Mechanical Engg
128	N. P. Gudadhe	Engineering Applications in Inter-Disciplinary fields	23 May, 2020	Industrial Engg
129	N. P. Gudadhe	Intelligent Robotics and Machine Vision Technology (IRMVT) in current scenario	25-29 May, 2020	Mechanical Engg
130	N. P. Gudadhe	Recent Advances in Material Research	26 May, 2020	Mechanical Engg
131	N. P. Gudadhe	How to build Healthier World Through Nanotechnology: Clean Energy storage Perspective	27 May,2020	Department of Chemistry
132	N. P. Gudadhe	Tools for Research and how to Write Research Paper	30 May, 2020	ECE, Dept.
133	N. P. Gudadhe	Risk Management in Time of Crisis	31 May,2020	Dept. of Commerce
134	N. P. Gudadhe	Digital Entrepreneurship & Investment	29-02 June,2020	Dept. of Management

135	N. P. Gudadhe	How to Successful as a Professor?	02 June,2020	Humanities Dept.
136	N. P. Gudadhe	Fuel cell Technologies and its applications	05 June, 2020	Mechanical Engg
137	N. P. Gudadhe	Environment and Sustainable Development	05 June, 2020	Govt. Polytechnic, Jhalwar
138	N. P. Gudadhe	Energy & Environment: Challenges and opportunities	5 June, 2020	Humanities Dept.
139	N. P. Gudadhe	Robotics Operations and Applications	07 June.2020	Mechanical Engg
140	N. P. Gudadhe	Mechanical Behaviour of Advanced Materials & its scope for Engg. Applications	10-14 June,2020	Mechanical Engg
141	N. P. Gudadhe	Digital Transformation	11-13 June,2020	CSE Dept.
142	Dr. G. R. Nikhade	One week FDP on “Theory and Simulation in Robotics”,	1 to 7 July,2020	Electronics & ICT Academy
143	Dr. G. R. Nikhade	6 Day Online Proficiency Improvement Programme (Certificate Course) on “Electric Vehicles”	24-29 April, 2020	The Automotive Research Association of India (ARAI), Pune
144	Dr. G. R. Nikhade	Webinar on “International Society of Automation : Technical Activities and Growth Opportunities”	4th May 2020	Mechanical Engineering
145	Dr. G. R. Nikhade	Webinar on “Recent Advances and Applications in IoT/IIoT”	5th May 2020	Mechanical Engineering
146	Dr. G. R. Nikhade	Webinar on “Introduction to Automotive Reliability	6th May 2020	Mechanical Engineering
147	Dr. G. R. Nikhade	Webinar on “Introduction to Ni Lab View	7th May 2020	Mechanical Engineering

148	Dr. G. R. Nikhade	Webinar on “Introduction to Clean Energy Technologies and Their Techno - Commercial Aspects”	8th May 2020	Mechanical Engineering
149	Dr. G. R. Nikhade	Webinar on “Introduction to CAE fatigue: Game Changing Random Response and Fatigue technology”	11th May 2020.	MATH Works
150	Dr. G. R. Nikhade	Using in-situ Synchrotron X-ray diffraction to study deformation mechanisms in Magnesium alloys	15th May, 2020	MSC software
151	Bhushan C Bissa	Development of filter media for air filtration applied in air masks	26-May-20	ME, RCOEM
152	Bhushan C Bissa	6 Day Online Proficiency Improvement Programme (Certificate Course) on “Electric Vehicles”	27-May-20	ME, RCOEM
153	Bhushan C Bissa	An introduction to Electric vehicle landscape in India	24-29 April, 2020	The Automotive Research Association of India (ARAI), Pune
154	Bhushan C Bissa	Electrical Vehicle Charging station	12-May-20	Department of Electrical Engg, RCOEM
155	Bhushan C Bissa	3 Day Webinar series on Fuel Cell Electric Vehicles	25-May-20	Electrical Engg., RCOEM
156	Bhushan C Bissa	5 Day FDP on "Design and Development" of Electric and hybrid Electric Vehicle"	1st to 3rd May 2020	SAE INDIA, SAEINDIA western section
157	Bhushan C Bissa	Introduction to clean energy technologies and their Techno-commercial aspects	12th to 16th May 2020	SAE INDIA, SAEINDIA western section and Orchid College of Engineering and Technology Solapur

158	Bhushan C Bissa	One week short term training programme on “Advanced tools for research in Mechanical Engineering	8-May-20	Department of Mechanical Engg, RCOEM
159	G. R. Potey	Electrical Vehicle Charging station	2nd to 6th March 2020	Mechanical Engineering Dept., RCOEM, Nagpur

## Departmental Activities

### Conference, STTP and Guest Lectures organized in Department

S No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1.	One-week Short Term Training Program (STTP) on “Advanced tools for research in Mechanical Engineering”	Speakers from VNIT, YCCE etc.	One week	2 March to 6 March 2006
2.	CREST 2020	Various experts with industry background	One day	5th and 6th June 2020
3.	Guest Lecture on Interview Techniques ( Online Mode)	Dr. Ganesh Soni, Quality Control Manager at MSC Software India limited	2 Hrs	05/06/2020
4.	Getting Started with FEM & ANSYS	Eminent speakers from VNIT, Industry and Academia	Two Weeks	18-28 May 2020

## Students' Corner

### Toppers List

Sr. No.	Second Year	Third Year
1.	Indranil Sunil Patil ( 9.56)	Anshul Vijay Satokar ( 10)
2.	Mubarika Mudrik Sabir(9.54)	Shrayesth Deepak Gupta ( 9.91)
3.	Gaurav Mohan Wadibhasme(9.52)	Arshad Ismail Sheikh(9.51)

## Student Achievements

S No.	Name of Student	Event	Achievement	Date
1.	Mansi Shrikant Gupta	YUVARANG 2020, Folk Dance	Second Prize	25 to 27 February 2020
2.	Mansi Shrikant Gupta	ABHIVYAKTI 2020, To the Beat	Second Prize	22 to 23 February 2020
3.	Mansi Shrikant Gupta	AXIS 2020, Aquahunt	First Prize	29 to 1 March 2020
4.	Rabiya Mohd Abdul Shabbir	Pratishruti 2020, Quizeus - Duet	First Prize	04 Feb - 07 Feb 2020
5.	Rajat Sanjay Gode	Vortechx Aeromodelling competition	Second Prize	23-Feb-2020
6.	Rishi Ravikant Agrawal	RCOEM Athletics meet	Second Prize	30 January to 1 February 2020
7.	Shlok Prashant Somani	RCOEM ANNUAL ATHLETIC MEET 2020	Second Prize	Feb-20
8.	Kshitij Mahendra Pithwa	AXIS'20 Robocup	Second Prize	28th Feb to 1st March 2020
9.	Kshitij Mahendra Pithwa	Vortechx 3.0 Robo-arena	First Prize	29th February to 2nd March 2020
10.	Nikhil Ranjeet Singh	VortechX Venue	Second Prize	28 February to 2 march 2020
11.	Piyush Ajay Malvi	Udghosh Basketball	Second Prize	Jan-2020
12.	Rohit Ravindra Joshi	Techfest Cozmo clench	Second Prize	3-5Jan 2020

## DEPARTMENT OF CHEMISTRY

### Faculty Corner Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal/ Conference /Book	Date of Conference / Publication	ISSN/ISBN	DOI, vol., Iss., pp
1.	Balvinder Talwar A.V. Bharati	Mass Concentration Of PM1In Residential Area	Alochana Chakra Journal,	-		Vol.9, Issue 5

### STTP/FDP/other Training Attended by Faculty

SN	Name of Faculty	STTP/FDP/ Training Attended	Duration/ Date	Organizers of the event
1.	Dr. Meenal V. Joshi	FDP	8-14 June 2020	Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission on Teachers and teaching
2.	Dr. Chandrashekhkar P. Pandhurnekar	FDP	27th May 2020	University of Delhi under PMMMNTT Ministry of Human Resource Development
3.	Dr. Sanjogta Meshram	FDP	6th May 2020 to 11th May 2020.	Jhulelal Institute of Technology
4.	Dr. S.L. Mudliar	FDP	6th May 2020 to 11th May 2020.	Jhulelal Institute of Technology
5.	Dr. S. S. Butoliya	FDP	6th May 2020 to 11th May 2020.	Jhulelal Institute of Technology

6.	Dr. Chandrashekhar P. Pandhurnekar	FDP	2nd May 2020	Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission on Teachers and teaching
7.	Dr. Chandrashekhar P. Pandhurnekar	FDP	1 <sup>st</sup> May 2020	In-Pods Edu. Tech.
8.	Dr. Meenal V. Joshi	STTP	17-22 June 2020	KDK College in association with Society for Technically Advanced material of India and Luminescence Society of India
9.	Dr. S.L. Mudliar	Workshop	29-05-2020 to 02-06-2020	Panimalar Institute of Technology

## Departmental Activities

### Conference, STTP and Guest Lectures organized in Department

S No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1.	"Securing Exclusive World Wide Rights To Your Inventions Via Patents" (Webinar)	Dr. Megha Bhumralkar, Patent Attorney at Jones day, LA California	1.5 hours	28 <sup>th</sup> May
2.	"How to build a healthier world through nanotechnology: Clean Energy Storage Perspective" (Webinar)	Dr. Manjusha V. Shelke, Principal Scientist, NCL, Pune	1 hour	27 <sup>th</sup> May

## DEPARTMENT OF HUMANITIES

### Faculty Corner

#### Awards received by Faculty of department

Dr. Vinod H. Asudani was given the "Ideal Professor Award" a State Level Award with citation and Rs. 7,000/- in cash by the National Association for the blind, Maharashtra Unit, Nashik on 5th Jan 2020

## Guest Lectures taken by faculty

Sr. No.	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
1.	Dr. Monika R. Seth	What after 10th?	29th May 2020	Karmaneya Institute Nagpur
2.	Dr. Vinod H. Asudani	Grasping Reality	5th June 2020	St. John's College Agra

## 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
1.	Dr. V. H. Asudani	Eco-Critical Reflections with special reference to Kiran Desai's "The Inheritance of Loss"	International Journal of Research and Analytical Reviews	May 2020	ISSN 2349-5138	Vol 7, Iss (2), PP-259-263
2.	Dr. V. H. Asudani	Displacement Crisis in the fictional world of Chitra Banerjee Divakaruni	International Journal of creative Research Thoughts (IJCRT)	April 2020	ISSN: 2320-2882	Vol 8, Iss (4)PP-3668-3675
3.	Dr. Deepshikha Mehra	Environmental education: only eco-sensitivity or human value and skill generation for enhanced employability? A case study from a technical educational institution.	Studies in Indian Place Names	Feb 2020	ISSN no. 2394-3114	Vol. 40, Issue: 7, pp: 55-61
4.	Dr. Akanksha Deshpande and Ms. Jalseen Rihan	Leadership Skills Development through Engaging Activities	Studies in Indian Place Names	Feb 2020	ISSN no. 2394-3114	Vol. 40, Issue: 7, pp: 126-130



5.	Dr. Vinod H. Asudani and Dr. Monika Seth	English Translation of Inheritors of fire	National Conference on Communication in Academia and Workplace: A Soft Skills Perspective	Feb 2020	None	None
6.	Dr. Vinod H. Asudani, Ms. Shraddha Sukhadeve and Ms. Nidhi Purohit	Presentation Skills Under the Light of APA Principles.	National Conference on Communication in Academia and Workplace: A Soft Skills Perspective	Feb 2020	None	None

### STTP/FDP/other Training Attended by Faculty

S. No.	Name of Faculty	STTP/FDP/Webinar/ Training Attended	Duration/Date	Organizers of the event
1.	Dr. Monika R. Seth	STTP on ISO Training	02 Days (29 <sup>th</sup> and 30 <sup>th</sup> November 2019)	Shreyas Quality Management System and RCOEM
2.	Dr. Deepshikha Mehra	Grammar and Punctuation	Apr-20 (4 weeks)	Coursera
3.	Dr. Deepshikha Mehra	Positive Psychology	May-20 (5 weeks)	Coursera
4.	Dr. Deepshikha Mehra	Importance of Communication skills in a Borderless Economy	(28/4/2020)	Prometric
5.	Dr. Monika R. Seth	Leaning to teach Online	4 weeks	Coursera
6.	Dr. Monika R. Seth	Positive Psychology	6 weeks	Coursera
7.	Dr. Monika R. Seth	“Fake News: Its Aspects, Impact and Ways to Identify it”	20-25 May 2020	PIET in association with Jean Monnet Erasmus Plus Programme of European Union.

8.	Dr. Monika R. Seth	Gender Equality, Gender Bias, Women's Rights and Stereo Typing	22-26 June 2020	IIT Nagpur
9.	Dr. Monika R. Seth	Post COVID or Co-COVID: Challenges and Opportunities	(10 <sup>th</sup> June 2020)	RCOEM (IQAC)
10.	Dr. Monika R. Seth	'The Pedagogical Innovations of 21 <sup>st</sup> century	(11 <sup>th</sup> June 2020)	RCOEM (IQAC)
11.	Prof. Jasleen Rihan	Role of HEI in Tapping Local Resources for Quality Sustenance and Quality Enhancement	15th Feb 2020	Bhiwapur Mahavidyalaya Bhiwapur
12.	Prof. Jasleen Rihan	Resume writing and Interview Techniques	22 <sup>nd</sup> May 2020	RCOEM Dept. of Mechanical Engineering
13.	Prof. Shraddha Sukhadeve	E-content Development	12-18 June 2020	Rashtrapita Mahatma Gandhi Arts, Commerce and Science college, Saoli (IQAC) in collaboration with Toshniwal Arts, Commerce and Science college, Sengaon
14.	Prof. Shraddha Sukhadeve	Challenges and Planning in Higher Education in post COVID in rural Area	03-06-2020	S. Chandra Mahila Mahavidyalaya, Gondia.

## Departmental Activities

Conference, STTP and Guest Lectures organized in Department

S No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1.	Simplifying Writing: Functional Grammar for Research and Professional Use	Ms. Pratishruti Singh	2 Hours	15 <sup>th</sup> February 2020
2.	What is your Placement Quotient	Mr. Vinay Chawla	2 Hours	29 <sup>th</sup> February 2020
3.	What is your Placement Quotient	Mr. Vinay Chawla	2 Hours	26 <sup>th</sup> February 2020
4.	Two day Webinar on Basic Grammar : Article 'The'	Ms. Jasleen Rihan	1.5 hours	5 <sup>th</sup> May 2020
5.	Two day Webinar on Basic Grammar : Article 'A and An'	Ms. Jasleen Rihan	1.5 hours	6 <sup>th</sup> May 2020

## DEPARTMENT OF PHYSICS

### Faculty Corner

STTP/FDP/other Training Attended by Faculty

S No.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1.	Dr. Shilpa Kulkarni	Successfully completed: THREE DAY ONLINE WORKSHOP ON “Online Course Design, Development and Delivery”	May, 29-31, 2020	Human Resource Development Centre, University of Hyderabad

## DEPARTMENT OF MATHEMATICS

### Faculty Corner Publications:

SN	Name of the Authors	Title of the Paper	Name of the Journal/ Conference /Book	Date of Conference / Publication	ISSN / ISBN	DOI, vol., Iss., pp	SCI/ Scopus/ICI / Other (index)
1.	Nikhil Hulke, G. P. Singh, Binay Bishi, Ashutosh Singh	Variable chaplyg in gas cosmologies in $f(R,T)$ gravity with particle creation	New Astronomy	May 2020	1384-1076	<a href="https://doi.org/10.1016/j.newast.2020.101357">https://doi.org/10.1016/j.newast.2020.101357</a> Vol 77	SCI, Scopus

### STTP/FDP/other Training Attended by Faculty

S No.	Name of Faculty	STTP/FDP/ Training Attended	Duration/Date	Organizers of the event
1.	Dr. R. G. Ghumde	NMC Virtual Annual Foundation School-I (VAFS-I)	4days / 28 April – 31 May 2020	Online, Organised by SGGSI &T, Nanded. And National Centre for Mathematics.
2.	Dr. R. G. Ghumde	5-day Online STTP on MATLAB based Teaching – Learning in Mathematics, Science and Engineering	5days/ 18 May – 22May 2020	Dept. of Electronics Engineering, Ramrao Adik Institute of Technology, Nerul, Navi Mumbai
3.	Dr. R. G. Ghumde	Webinar on A walk down the memory lane: the life and work of professor S. S. Shrikhande	1day/ 30/05/20	Dept. of Mathematics, Ramnarain Ruia Autonomous College, Mumbai
4.	Mrs. M. S. Patne	Covid-19: Journey of survival and sustenance in the present and future	1day/ 13/05/20	Online, Organised by Department of Management Technology, RCOEM, Nagpur

5.	Mrs. M. S. Patne	Webinar on Effective use of e-resources for teaching, learning and research	1day/ 18/05/20	Online, Organised by S.P. Manali's R.A. Podar College of Commerce and Economics, Autonomous, Mumbai
6.	Mrs. M. S. Patne	Webinar on Algebra : Historical development and applications	1day/ 13/05/20	Online, Organised by Department of Mathematics, RCOEM, Nagpur
7.	Mrs. M. S. Patne	Online Faculty Development Program on Applications of Geogebra	5day/ 01 June 2020 to 05 June 2020	Online, Organised by Department of Mathematics, YCCE, Nagpur
8.	Mrs. M. S. Patne	Webinar on Electric vehicles: charging station	1day/ 25/05/20	Online, Organised by Department of Electrical Engg, RCOEM, Nagpur
9.	Mrs. P. A. Saoji	Webinar on Algebra : Historical development and applications	1day / 13/05/20	Online, Organised by Department of Mathematics, RCOEM, Nagpur
10.	Dr. P. O. Bagde	Online Faculty Development Program on Applications of Geogebra	5day / 01 June 2020 to 05 June 2020	Online, Organised by Department of Mathematics, YCCE, Nagpur
11.	Dr. P. O. Bagde	National Webinar on Digital Transform in Educational Institutes	1day / 03/06/20	online, Organised by SFS College, Nagpur
12.	Dr. P. O. Bagde	Webinar on Challenges and opportunities in online teaching and assessment – Teachers perspective	1day / 16/06/20	Online, Organised by Department of Mathematics, YCCE, Nagpur

13.	Dr. P. O. Bagde	Webinar on Algebra : Historical development and applications	1day / 13/05/20	Online, Organised by Department of Mathematics, RCOEM, Nagpur
14.	Dr. J. H. Rai	Webinar on Algebra : Historical development and applications	1day / 13/05/20	Online, Organised by Department of Mathematics, RCOEM, Nagpur
15.	Dr. J. H. Rai	Online Faculty Development Program on Applications of Geogebra	5day / 01 June 2020 to 05 June 2020	Online, Organised by Department of Mathematics, YCCE, Nagpur
16.	Dr. J. H. Rai	5-day Online STTP on MATLAB based Teaching – Learning in Mathematics, Science and Engineering	5day / 18 May – 22May 2020	Dept. of Electronics Engineering, Ramrao Adik Institute of Technology, Nerul, Navi Mumbai
17.	Dr. J. H. Rai	International Webinar on “How to get Research Grant from UGC”	1day / 09/06/20	Online, Organised by MBITS and SMBS, Kerala
18.	Dr. J. H. Rai	Webinar on A walk down the memory lane: the life and work of professor S. S. Shrikhande	1day / 30/05/20	Dept. of Mathematics, Ramnarain Ruia Autonomous College, Mumbai
19.	Dr. J. H. Rai	Webinar on Strategies for success in Engineering field post COVID 19	1day / 16/05/20	Online, Organised by Department of Mechanical Engineering, RCOEM, Nagpur
20.	Dr. J. H. Rai	Webinar on Basics of Indian power sector and power markets	1day / 17/05/20	Online, Organised by Department of Electrical Engineering, RCOEM, Nagpur

21.	Dr. J. H. Rai	Webinar on Engineering Applications in inter-disciplinary fields	1day / 23/05/20	Online, Organised by Department of Industrial Engineering, RCOEM, Nagpur
22.	Dr. J. H. Rai	One week online FDP on Problem based learning	5day / 01/05/2020 to 05/05/2020	Online, Organised by Department of Electronics and Telecommunication Engineering, JSPM's Rajarshi Shahu College of Engg Pune
23.	Dr. J. H. Rai	One week online FDP on Recent Trends in Databased Technologies	5day / 22/06/2020 to 26/06/2020	Online, Organised by Department of CSE Engineering, RCOEM, Nagpur
24.	Dr. J. H. Rai	Webinar on IOT, the beginning of new era	1day / 15/05/20	Online, Organised by Department of Computer Applications, RCOEM, Nagpur
25.	Dr. J. H. Rai	Webinar on How to build healthier world through nanotechnology: clean energy storage perspective	1day / 27/05/20	Online, Organised by Department of Chemistry, RCOEM, Nagpur
26.	Dr. J. H. Rai	Webinar on Securing exclusive worldwide rights to your inventions via patents	1day / 28/05/20	Online, Organised by Department of Chemistry, RCOEM, Nagpur
27.	Dr. J. H. Rai	Webinar on The pedagogical Innovations of 21 <sup>st</sup> century	1day / 11/06/20	Online, Organised by IQAC, RCOEM, Nagpur
28.	Dr. J. H. Rai	Webinar on Be kind to your mind	1day / 18/06/20	Online, Organised by Department of IT, RCOEM, Nagpur
29.	Dr. J. H. Rai	Webinar on Personal Branding	1day / 22/05/20	Online, Organised by Department of Electronics and Communications, RCOEM, Nagpur

## Departmental Activities

### Conference, STTP and Guest Lectures organized in Department

S No.	Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1.	Webinar on “ Algebra: Historical Development and Applications”	Dr. Sudhir Ghorpade, Professor, Department of Mathematics, IIT Bombay	1day	13/05/2020

## DEPARTMENT OF PHYSICAL EDUCATION

### Faculty Corner

#### STTP/FDP/other Training Attended by Faculty

Sr. No.	Name of Faculty	STTP/FDP/Training Attended	Duration /Date	Organizers of the event
1.	SAKET KANETKAR	FDP On Enhancing Soft Skill And Personality	8 weeks	NPTEL
		FDP On Mental Health And Physical Fitness During Post Covid 19	7 DAYS 10-16 June 2020	LINGRAJ COLLGE , BELAGAVI
		FDP on Physical Education and Sports	5 DAYS 22-26 MAY 2020	Indian Inst. of Scientific Research And Analysis, Maharashtra

### Departmental Activity

#### Conference, STTP and Guest Lectures organized in Department

S. No.	Conference/STTP/ Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1.	Guest lecture on sedentary to active lifestyle during lockdown	DR. BABAR ALI KHAN Professor at DCPE (H.V.P.M)	1 hour	8 <sup>TH</sup> JUNE 2020



2.	Guest lecture on sedentary to active lifestyle during lockdown	DR. BABAR ALI KHAN Professor at DCPE (H.V.P.M)	1 hour	9 <sup>TH</sup> JUNE 2020
3.	Guest lecture on sedentary to active lifestyle during lockdown	DR. ANIL KARWANDE PRINCIPAL (REDT.) IDCPE, Nagpur.	1 hour	11 <sup>TH</sup> JUNE 2020
4.	Guest lecture on sedentary to active lifestyle during lockdown		1 hour	12 <sup>TH</sup> JUNE 2020
5.	Guest lecture on sedentary to active lifestyle during lockdown	DR. ARUNA DOGRA PGTD , R.T.M.N.U	1 hour	13 <sup>TH</sup> JUNE 2020
6.	Guest lecture on sedentary to active lifestyle during lockdown		1 hour	14 <sup>TH</sup> JUNE 2020

## INTERNATIONAL DAY OF YOGA 2020 CELEBRATION

As part of worldwide celebration of 6<sup>th</sup> International Yoga Day on 21st June, the Department of Health, Physical Education & Sports of RCOEM, Nagpur has also celebrated this day on digital platform Google meet with great enthusiasm.

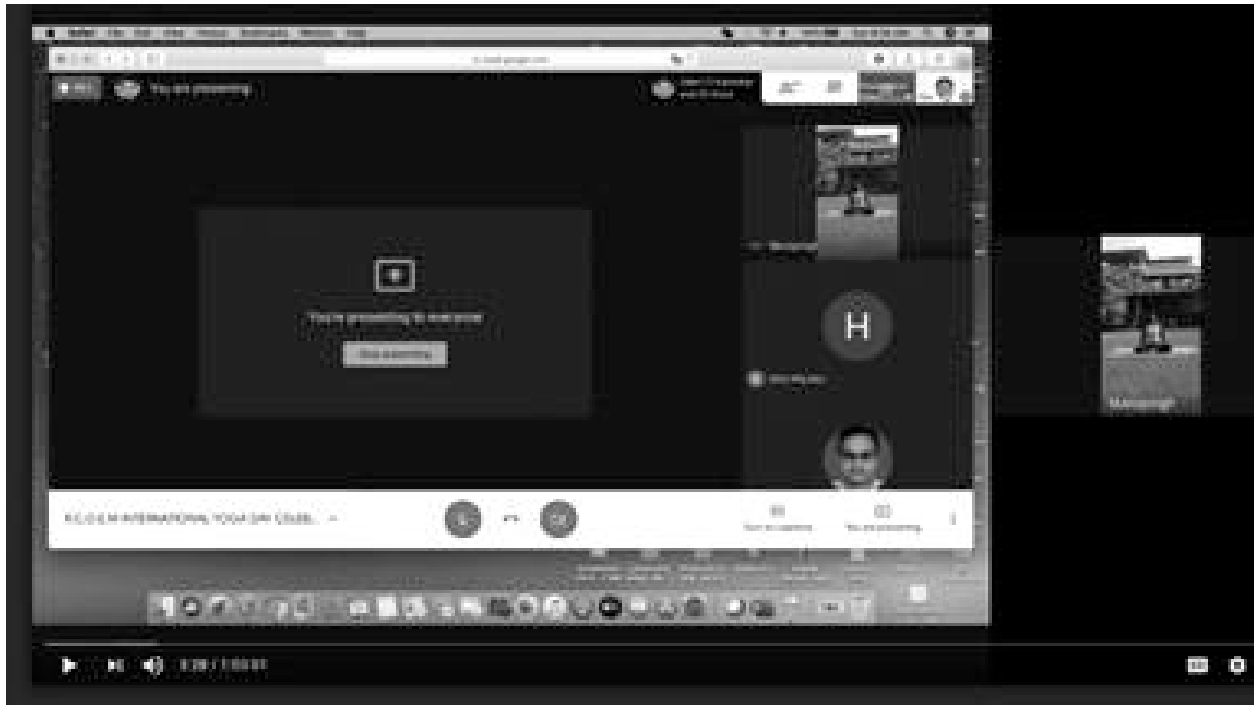
Yoga is an ancient physical, mental and spiritual practice that has its roots in India. This year International Day of Yoga aims to raise awareness around the world, regarding the many benefits of practicing the yoga one of which is that it help individual to fight stress and also alleviate other ailments including depression and anxiety.

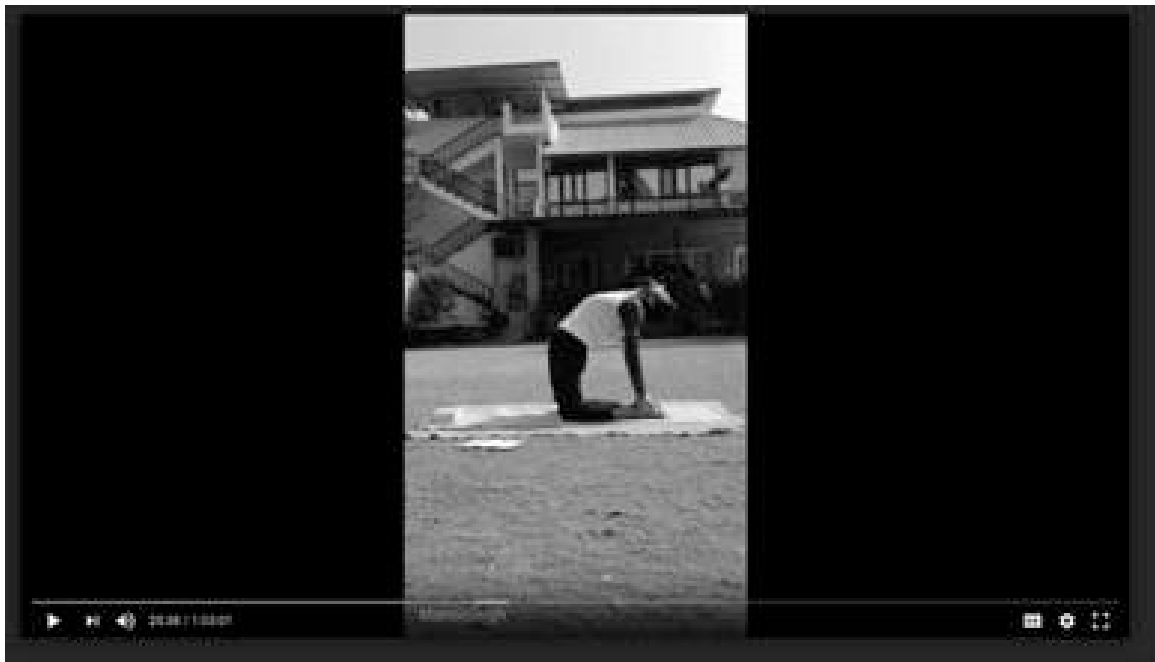
The theme for this year International Yoga Day 2020 is 'Yoga at Home, Yoga with Family'. The theme highlights that yoga is a powerful tool to deal with stress of uncertainty and isolation and helps maintaining physical well-being This year an hour of Yoga session was organized in which 50 teaching and non-teaching faculty, students and staff took part enthusiastically. Session starts at morning 8:30 on Google meet under guidance of Shri Manoj Singh Bangariya a certified yoga teacher of Patanjali. The yoga session started with Prayers, and systematic practice of different 'ASANAS' of standing, sitting and laying positions (both lying on back and reverse) smoothly changing in succession under the instructions and supervision of yoga teachers. During the course of "YOGABHYAS", the yoga teacher also narrated the usefulness of different "ASANAS" as a precautionary measure, in curing many diseases and the usefulness of yoga in the overall wellbeing of a human being.

More than 50 Participants took part in this occasion, everyone who attends the session performed yogic

exercises and 'PRANAYAM' to celebrate this day. Instructor also suggested the participants to practice yoga regularly, which will surely help them to achieve a better life, physically, mentally and spiritually as well.

It was a great event and the participants enjoyed this event to the fullest.



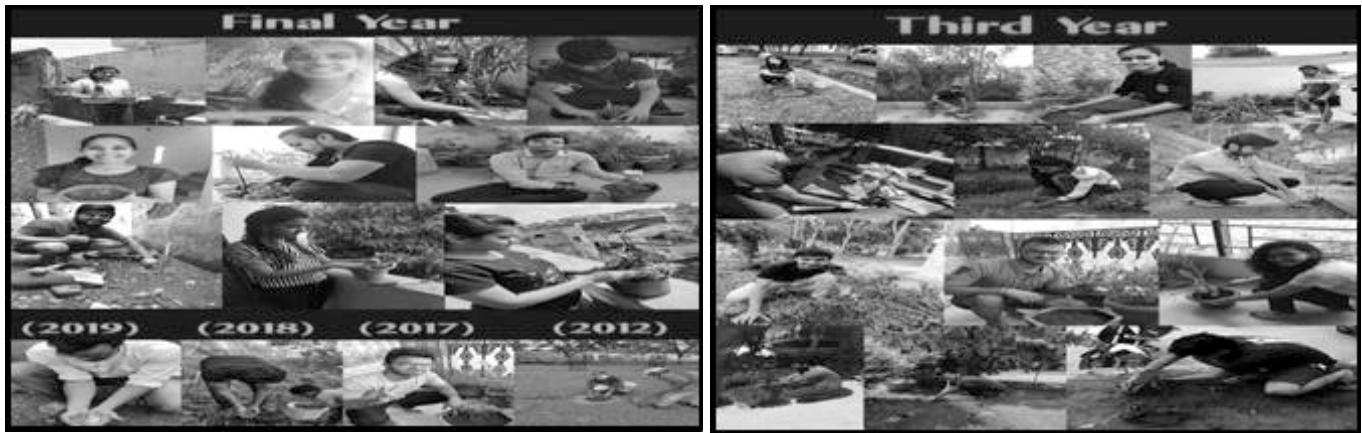


## NSS UNIT RCOEM

### Various Activities by NSS volunteers during Pandemic COVID- 19 -NSS Helping Hand Report

As a global community working together, to prevent the further outbreak of Covid-19, NSS unit of Shree Ramdeobaba College of Engineering and Management has also stepped forward and imparted their helping hand by making a significant contribution in this crisis. To help in this stressful condition of Global Health Emergency, NSS unit has done variety of charity and social work which includes –

- 1) **Mask Distribution**-As WHO has recommended the use of face mask to be the best preventive measure against coronavirus when out in public places, & members of NSS volunteered and made homemade mask's and distributed it to the needy people.
- 2) **Sanitizer Distribution**– Since using alcohol based sanitizers reduces the risk of transmitting the virus, our NSS team of 3 members, distributed sanitizer bottles to those in need in nearby locality.
- 3) **Aarogya Setu App Installation** –To remain self-aware of the ongoing pandemic, Aarogya Setu App which helps in tracing corona positive cases, was installed by maximum of our NSS Members.
- 4) **Food Grain Distribution and Cooked Food Distribution**–To help people with the basic necessity of food, 15 volunteers of NSS stepped up to distribute raw food grains and cooked food to those who are financially unstable and could not afford it.
- 5) **PM Cares Fund Donation** –The Prime Ministers Citizen Assistance and Relief Emergency situations fund was created on 28<sup>th</sup> March 2020, following the COVID 19 pandemic in India. A total of 98 members of NSS donated RS 20,000 in PM CARES FUND.
- 6) **Blood Donation**–No matter how far science advances, blood which is the elixir of human body cannot be artificially created. That's why blood donation is more precious than anything else in the world. So along with so many other contributions done by NSS Members, 8 volunteers of NSS stepped up in this situation of pandemic and donated Blood.
- 7) **Tree Plantation**- Tress have supported and sustained life throughout our existence. Therefore on the occasion of World Environment Day over 70 Members of NSS planted trees at their homes. Students currently studying in College from 2<sup>nd</sup> year, 3<sup>rd</sup> year, and 4<sup>th</sup> year participated in this along with pass out students from 2011-2012 batches. Theme was “Time for Nature”. Tree plantation programme took place at people's home in the wake of COVID 19 Pandemic .The programme was organized so that we should take a step to protect Mother Earth before the next pandemic does it for us. Along with tree plantation some students also drew some drawings and wrote slogans on this occasion. We even encouraged others nearby, for planting trees in their homes and localities.



## Tree Plantation on World Environment Day by NSS volunteers

### STUDENTS ACHIEVEMENT:

1. Due to the excellent work during Covid-19 pandemic, NSS Secretary **Mr. Varun Tiwari** was appointed as the Special Police Officer (SPO ) by the SP Police- Buldhana District Gulabaro Wagh.
2. NSS Volunteer **Mr. Himel Asawa** even worked with the Local Administration –Council / Taluka during this pandemic and offered the help required.
3. **Nayan Karwa**: Grain Donation, creating awareness on social distancing among the people in our locality.
4. **Vipul Khivasara**: sanitization of his village with the help of volunteers, Helped a patient who is in need during the lockdown took him to hospital and gave him proper medical facilities, Police mitr, Grain donation,
5. **Vyankatesh Baheti**: Involved in distributing breakfast every day to policemen, sanitization workers, doctors, nurses and the labourers who are unable to afford ration.
6. **Riddhesh Nawgaje**: Searched for the poor who really needed help...and adopted 2 families who were needy and have given the necessary food items sufficient for the month
7. **Shraddha Jain**: Feed the street animals like cow, dogs, goats and many more animals like them and even taking care of one dog who is very ill.
8. **Radha Agrawal**: Vegetables, biscuits and Wheat flour donation
9. **Kruti Dave**: Made homemade masks and distributed to the homeless and needy people in the locality
10. **Shloka Telang**: Helping elder people by providing medicine and daily needs



FIGURE 1.2.1 VARUN TIWARI APPOINTED AS SPO BY SP POLICE- BULDHANA

11. **Sanskar Takkamore:** Providing tea, breakfast, to nearby police, and medical shops, Donation of grains to needy workers. Doing sanitization work with help of NMC, Feeding food to the street dogs.

### GUEST LECTURES ORGANIZED BY NSS unit

S.NO.	Guest Lecture Organized For Rcoem Nss Volunteers	Speaker (with Affiliation)	Duration	Date
1.	Guest Lecture On NSS Works /activity During Pandemic Covid 19	Dr. Keshav Walke Director Nss Rtmnu	1 HOUR	10 <sup>TH</sup> JUNE 2020

### DEPARTMENT OF MANAGEMENT TECHNOLOGY

#### Faculty Corner Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal/Conference /Book	Date of Conference Publication	ISSN/ ISBN	DOI, vol., Iss., pp	SCI/ Scopus/ ICI / Other (index)
1.	KDV Prasad and Mruthyanjaya Rao M, Rajesh Vaidya	Organizational Climate, Opportunities, Challenges and Psychological wellbeing of the Remote working employees during COVID-19 pandemic: a General Model Approach with Reference to Linear Information Technology Industry in Hyderabad	International Journal of Management (IJM)	April 2020	ISSN Print: 0976-6480 and ISSN Online :0976-6499	Volume 11, Issue 4, pp. 372-389, Article ID: IJARET_11_04_037.	Scopus Index Journal

2.	KDV Prasad and Rajesh Vaidya	Association among Covid-19 parameters, occupational stress and employee performance: An empirical study with reference to Agricultural Research Sector in Hyderabad Metro	Sustainable Human sphere	May 2020	ISSN: 1880 - 6503	Volume : 16 Issue: 2	Scopus Index Journal
3.	Dr. KDV Prasad, Dr. Rajesh W. Vaidya, Dr. Mruthyanjaya Rao Mangipudi	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	ISSN: 2249-0310 EISSN : 2229-5674	Vol XI Issue 2	Indian Citation Indexing
4.	Dr. Rajesh W. Vaidya, Dr. KDV Prasad, Dr. Mruthyanjaya Rao Mangipudi	Mental and Emotional Competencies of Leader's Dealing with Disruptive Business Environment - a Conceptual Review	International Journal of Management (IJM)	May 2020	ISSN Print: 0976-6502 and ISSN Online : 0976-6510	Volume 11, Issue 5,	Scopus Index Journal
5.	Dr. Mruthyanjaya Rao Mangipudi, Dr. KDV Prasad, Dr. Rajesh W. Vaidya, Budumuru Muralidhar	Evolution of Performance Management Systems and the Impact on Organization's Approach: a Statistical Perspective	International Journal of Management (IJM)	May 2020	ISSN Print: 0976-6502 and ISSN Online : 0976-6510,	Volume 11, Issue 5,	Scopus Index Journal
6.	Dr. Kanak Wadhvani, Dr. Hetal Gaglani, Mr. Vipin Telgote	Human Resource Planning from start up to scale up- A Case Study on future Supply Chains, Mihan , Nagpur	TEST Engineering and Management	6/30/2020	ISSN: 0193-4120 Page No. 13549-13558	Vol 83 May/ June 2020	Scopus Indexed

7.	Dr.Kanak Wadhvani, Prof. Shravan Chandak & Prof. Pritam Bhadade	Drivers of Entrepreneurial Intention amongst graduates of Generation Z	TEST Engineering and Management	6/30/2020	ISSN: 0193-4120 Page No.184 09-184 13	Vol 83 May/ June 2020	Scopus Indexed
8.	Prashant Chhajer, Vandana Gandhi, Vishal Mehta	Factors Influencing Stock Returns: Evidence from National Stock Exchange, India.	International Journal of Management (IJM)	May 2020	ISSN: 0193-4120 Page No.184 09-184 13	Vol 83 May/ June 2020	Scopus Indexed

### STTP/FDP/other Training Attended by Faculty

S No.	Name of Faculty	STTP/FDP/Training Attended	Duration /Date	Organizers of the event
1.	Dr. Anup Ranade	Introduction to Data Analytics for Business	1 Month	University of Colorado through Coursera
2.	Dr. Anup Ranade	Advanced Research Methodology	1 Week	Shri Ramdeobaba College of Engineering And Technology

### DEPARTMENT OF COMPUTER APPLICATION

#### Faculty Corner

#### Awards received by Faculty of department:-

Dr. Abhijeet R. Thakare published paper on "Comparative Search of Entities" in SCI Journal " International Journal of Software Engineering and Knowledge Engineering" has come under the category of Most Readable Article.



## Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal/Conference/Book	Date of Conference Publication	ISSN/ISBN	DOI, vol., Iss., pp	SCI/Scopus/ICI/Other (index)
1.	Mohini S. Upasani	Data Management Using Hadoop and Hive	International Journal of Advanced Science and Technology	Jun-20	2005-4238	Vol. 29 No. 7 pp 98 48-98 56	Scopus
2.	Shashikant Patil, Dr. Smita M. Nirkhii,	Deep Learning Techniques for Oral Diagnosis and Cavity Recognition : A systematic Approach	International Journal of Advanced Science and Technology	Jun-20	2005-4238	Vol. 29 No.9s pp 192 -199	Scopus

## STTP/FDP/other Training Attended by Faculty

S No.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1.	Dr P. S. Voditel	Online FDP on Recent Trends in Database Technologies	22-26 June 2020	CSE, RCOEM, Nagpur
2.	Dr P. S. Voditel	Online Workshop on Blockchain Technology	22-26 June 2020	CSE, RCOEM, Nagpur
3.	Dr P. S. Voditel	Participated in Webinar on "IOT and OPC UA"	15-05-2020	MCA, RCOEM
4.	Dr P. S. Voditel	Participated in Webinar on "IOT Beginning of new era"	15-05-2020	MCA, RCOEM
5.	Dr P. S. Voditel	Participated in Webinar on "Post Covid Challenges"	10-06-2020	IQAC, RCOEM
6.	Dr P. S. Voditel	Participated in Webinar on "Pedagogical Innovations"	11-06-2020	IQAC, RCOEM
7.	Dr P. S. Voditel	Participated in Webinar on "Agile Project Management "	11-05-2020	EC, RCOEM
8.	Dr. A. R. Thakare	One Day Online Workshop on Blockchain technology (ACM Chapter Event)	02-05-2020	ACM Chapter and Ganpat University (Ahmedabad)

9.	Dr. A. R. Thakare	Online FDP on Recent Trends in Database Technologies	22-26 June 2020	RCOEM, Nagpur
10.	Dr. A. R. Thakare	Participated Webinar on How to Get research Grants from UGC/AICTE	09-06 2020	MBIT and SMBS
11.	Dr. A. R. Thakare	Participated in Webinar on “Post Covid Challenges”	10-06-2020	IQAC, RCOEM
12.	Dr. A. R. Thakare	Participated in Webinar on “Pedagogical Innovations”	11-06-2020	IQAC, RCOEM
13.	Dr. A. R. Thakare	Participated in “Techniques To Make Computer Science Education More Useful And Interesting”	8 <sup>th</sup> May, 2020	CSE, RCOEM, Nagpur
14.	Dr. A. R. Thakare	Participated in Webinar on “IOT and OPC UA”	Participated in Webinar on “IOT and OPC UA”	MCA, RCOEM, Nagpur
15.	Dr. A. R. Thakare	Participated in Webinar on “IOT Beginning of new era”	Participated in Webinar on “IOT Beginning of new era”	MCA, RCOEM, Nagpur
16.	Dr. A. R. Thakare	Participated in “Current Trends in Data Science”	01-05-2020	CSE, RCOEM, Nagpur
17.	Dr. A. R. Thakare	Participated in Recent Advances and Applications in IoT/IIoT	5th May 2020	CSE, RCOEM, Nagpur
18.	Prof. M. S. Upasani	Online Workshop on ML & AI Using Covid-19 Virus Data Analysis	15-19 June 2020	MSRIT, Bangalore
19.	Prof. M. S. Upasani	Participated in National Workshop on “Block chain Technology”	02-05-2020	Ganpat University.
20.	Prof. S. S. Uparkar	Online workshop on Basic of Machine learning	1-2 May 2020	NSS-IIT Rorkee
21.	Prof. Satyajit S Uparkar	Online STTP on E-learning Tools, Methodologies and Content Management	16-20 May 2020	GCOE, Chandrapur
22.	Prof. Satyajit S Uparkar	Online FDP on R Programming	26-30 May 2020	PCE , Nagpur

23.	Dr. P. Y. Karmore	Online Workshop on Blockchain Technology	02-May_20	AMPICS
24.	Dr. P. Y. Karmore	FDP on Data Science and Python Programming	12-14 June 2020	SKWC, Sangali
25.	Dr. P. Y. Karmore	Online FDP on R programming	18-22 May 2020	Galgotias University
26.	Prof. Y.S. Pethe	Online FDP on Recent Trends in Database Technologies.	22-26 June 2020	RCOEM, Nagpur
27.	Prof. Y.S. Pethe	Online FDP on Recent Trends in Database Technologies	22-26 June 2020	CSE, RCOEM, Nagpur
28.	Prof. Y.S. Pethe	Online Workshop on Blockchain Technology	22-26 June 2020	CSE, RCOEM, Nagpur
29.	Prof. Y.S. Pethe	Participated in Webinar on "IOT and OPC UA"	15-05-2020	MCA, RCOEM
30.	Prof. Y.S. Pethe	Participated in Webinar on "IOT Beginning of new era"	15-05-2020	MCA, RCOEM
31.	Prof. Y.S. Pethe	Participated in Webinar on "Post Covid Challenges"	10-06-2020	IQAC, RCOEM
32.	Prof. Y.S. Pethe	Participated in Webinar on "Pedagogical Innovations"	11-06-2020	IQAC, RCOEM
33.	Prof. Y.S. Pethe	Participated in Webinar on "Agile Project Management"	11-05-2020	EC, RCOEM
34.	Prof. Y.S. Pethe	Participated in Webinar on "First Aid in Electrical Mishaps"	19-05-2020	EE, RCOEM
35.	Prof. Y.S. Pethe	Participated in Webinar on "Jobs through LinkedIn"	19-06-2020	EE, RCOEM
36.	Prof. P.V. Khandar	Online FDP on Advance Research Methodology	22-26 June 2020	RCOEM, Nagpur

37.	Prof. P.V. Khandar	Participated in Webinar on “IOT and OPC UA”	15-05-2020	MCA, RCOEM
38.	Prof. P.V. Khandar	Participated in Webinar on “IOT Beginning of new era”	15-05-2020	MCA, RCOEM
39.	Prof. P.V. Khandar	Participated in Webinar on “Post Covid Challenges”	10-06-2020	IQAC, RCOEM
40.	Prof. P.V. Khandar	Participated in Webinar on “Pedagogical Innovations”	11-06-2020	IQAC, RCOEM
41.	Prof. P.V. Khandar	National Workshop	02 May 2020	FCA,Ganpat University
42.	Prof. V.V. Budati	Participated in National Workshop on “Block chain Technology”	02-05-2020	Ganpat University.
43.	Prof. V.V. Budati	Participated in Webinar on “Introduction to Latex”	05-05-2020	IT, RCOEM
44.	Prof. V.V. Budati	Participated in Webinar on “Current Trends In Data Science”	08-05-2020	CSE, RCOEM
45.	Prof. V.V. Budati	Participated in Webinar on “Agile Project Management ”	11-05-2020	EC, RCOEM
46.	Prof. V.V. Budati	Participated in Webinar on “Solar Thermal Technology”	11 to 14 May, 2020	Dept of Physics, RCOEM
47.	Prof. V.V. Budati	Participated in Webinar on “IOT and OPC UA”	15-05-2020	MCA, RCOEM
48.	Prof. V.V. Budati	Participated in Webinar on “IOT Beginning of new era”	15-05-2020	MCA, RCOEM
49.	Prof. V.V. Budati	Participated in Webinar on “ Covid 19 : Survival and Future”	16-05-2020	HCL Technologies with DMT, RCOEM

50.	Prof. V.V. Budati	Participated in Webinar on “First Aid in Electrical Mishaps”	19-05-2020	EE, RCOEM
51.	Prof. V.V. Budati	Participated in Webinar on “Jobs through LinkedIn”	19-06-2020	EE, RCOEM
52.	Prof. V.V. Budati	Participated in Webinar on “Covid Journey of Survival ”	21-05-2020	Infocepts with DMT, RCOEM
53.	Prof. V.V. Budati	Participated in Webinar on “Personal Branding”	22-05-2020	EC, RCOEM
54.	Prof. V.V. Budati	Participated in Webinar on “Inter Disciplinary Engg Applications”	23-05-2020	VNIT, RCOEM
55.	Prof. V.V. Budati	Participated in Webinar on “Security in IOT”	29-05-2020	IT, RCOEM
56.	Prof. V.V. Budati	Participated in Webinar on “Introduction to Blockchain”	31-05-2020	IT, RCOEM
57.	Prof. V.V. Budati	Participated in Webinar on “Software Testing”	04-06-2020	IT, RCOEM
58.	Prof. V.V. Budati	Participated in Webinar on “RedHat OpenShift ”	09-06-2020	IT, RCOEM
59.	Prof. V.V. Budati	Participated in Webinar on “Post Covid Challenges”	10-06-2020	IQAC, RCOEM
60.	Prof. V.V. Budati	Participated in Webinar on “Pedagogical Innovations”	11-06-2020	IQAC, RCOEM
61.	Prof. V.V. Budati	Participated in Webinar on “Be Kind to Your Mind ”	18-06-2020	IT, RCOEM
62.	Prof. V.V. Budati	Participated in Webinar on “Learn AI without coding”	19-06-2020	SBJCEIT, Nagpur
63.	Prof. V.V. Budati	Blockchain Basics	One Week	Coursera
64.	Dr. S. D. Upadhye	Online FDP on NAAC Assessment and Accreditation	21-26 May 2020	SSC, Parbhani

65.	Dr. S. D. Upadhye	FDP on Effective Project proposal writing	8-9 May 2020	VEC, Chennai
66.	Dr. S. D. Upadhye	Online FDP on “Overcoming the Challenges in Adapting Online Technology in Teaching Learning	6-11 May 2020	JIT, Nagpur
67.	Dr. S. D. Upadhye	Online STTP on E-learning Tools, Methodologies and Content Management	8-13 June 2020	COET, Akola
68.	Dr. S. D. Upadhye	Online FDP on R Programming	23-28 April 2020	RSCOEM, Pune
69.	Dr. S. D. Upadhye	Online National FDP on Statistical Analysis of Quantitative data using Advance Excel for research scholar	3-4 June 2020	RCASC, Mumbai
70.	Dr. S. D. Upadhye	Online FDP on Advance Research Methodology	1-5 June 2020	RCOEM, Nagpur
71.	Prof. L Agrawal	Online FDP on Recent Trends in Database Technologies	22-26 June 2020	CSE, RCOEM, Nagpur
72.	Prof. L Agrawal	Online Workshop on Blockchain Technology	22-26 June 2020	CSE, RCOEM, Nagpur
73.	Prof. L Agrawal	Participated in Webinar on “IOT and OPC UA”	15-05-2020	MCA, RCOEM
74.	Prof. L Agrawal	Participated in Webinar on “IOT Beginning of new era”	15-05-2020	MCA, RCOEM
75.	Prof. L Agrawal	Participated in Webinar on “Post Covid Challenges”	10-06-2020	IQAC, RCOEM
76.	Prof. L Agrawal	Participated in Webinar on “Pedagogical Innovations”	11-06-2020	IQAC, RCOEM
77.	Prof. A. Gurjar	Participated in Webinar on “IOT and OPC UA”	15-05-2020	MCA, RCOEM

78.	Prof. A. Gurjar	Participated in Webinar on “IOT Beginning of new era”	15-05-2020	MCA, RCOEM
79.	Prof. A. Gurjar	Participated in Webinar on “Post Covid Challenges”	10-06-2020	IQAC,RCOEM
80.	Prof. A. Gurjar	Participated in Webinar on “Pedagogical Innovations”	11-06-2020	IQAC,RCOEM
81.	Prof. K.R. Roy	Online Workshop on ML & AI Using Covid-19 Virus Data Analysis	19-23 May 2020	NIT, Nagpur
82.	Prof. K.R. Roy	Online Workshop on Blockchain Technology	22-26 June 2020	RCOEM, Nagpur
83.	Prof. K.R. Roy	Participated in Webinar on “IOT and OPC UA”	15-05-2020	MCA, RCOEM
84.	Prof. K.R. Roy	Participated in Webinar on “IOT Beginning of new era”	15-05-2020	MCA, RCOEM
85.	Prof. P.R.Dandekar	Online FDP on Recent Trends in Database Technologies.	22-26 June 2020	RCOEM, Nagpur
86.	Prof. P.R.Dandekar	Online FDP on R programming	18-22 May 2020	Galgotias University
87.	Prof. P.R.Dandekar	Online Workshop on Blockchain Technology	22-26 June 2020	CSE, RCOEM, Nagpur
88.	Prof. P.R. Dandekar	Participated in Webinar on “IOT and OPC UA”	15-05-2020	MCA, RCOEM
89.	Prof. P.R. Dandekar	Participated in Webinar on “IOT Beginning of new era”	15-05-2020	MCA, RCOEM
90.	Prof. P.R. Dandekar	Participated in Webinar on “Post Covid Challenges”	10-06-2020	IQAC,RCOEM

91.	Prof. P.R. Dandekar	Participated in Webinar on “ Pedagogical Innovations”	11-06-2020	IQAC, RCOEM
92.	Prof. P.R. Dandekar	Participated in Webinar on “ Agile Project Management ”	11-05-2020	EC, RCOEM
93.	Prof. P.R. Dandekar	Participated in Webinar on “ First Aid in Electrical Mishaps”	19-05-2020	EE, RCOEM
94.	Prof. P.R. Dandekar	Participated in Webinar on “Jobs through LinkedIn”	19-06-2020	EE, RCOEM
95.	Prof. M. Ukey	Online FDP on Recent Trends in Database Technologies	4-5 May 2020	NSS-IIT Rorkee
96.	Prof. M. Ukey	Participated in Webinar on “IOT and OPC UA”	15-05-2020	MCA, RCOEM
97.	Prof. M. Ukey	Participated in Webinar on “ IOT Beginning of new era”	15-05-2020	MCA, RCOEM
98.	Dr. S. M Nirkhi	Online National FDP on Statistical Analysis of Quantitative data using Advance Excel for research scholar	18-23 May 2020	SIRT, Bhopal
99.	Dr. S. M Nirkhi	Online FDP on Advance Research Methodology	18-20 June 2020	RAIT, Mumbai
100.	Dr. S. M Nirkhi	Online FDP on Recent Trends in Database Technologies	8-12 June 2020	RAIT, Mumbai
101.	Prof. G. Keswani	Online Workshop on Blockchain Technology	29-30 April 2020	NSS-IIT Rorkee



## Departmental Activities

### Conference, STTP and Guest Lectures organized in Department

S No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1.	Webinar on "IOT, The Beginning of new Era"	Suraj Choudhary, Lead Engineer, Siemens Technology and Services, Pune.	2 Hrs	15/05/2020
2.	Webinar on "IOT and OPC UA Overview"	Chaitanya Inamdar, Software Architect, Siemens Technology and Services, Pune.	2 Hrs	15/05/2020
3.	Webinar on "Server Side Application Development using MEAN stack"	Prof. Vishnu Vardhan, MCA, RCOEM	2 parts total 5 hours	7 <sup>th</sup> May 2020 9 <sup>th</sup> May 2020
4.	Faculty Development Programme on "PHP MySQL" for Spoken Tutorial, IIT Bombay	Prof. Vishnu Vardhan, MCA, RCOEM	One Week FDP	26-30 <sup>th</sup> May 2020

## Students' Corner

### Toppers List

Sr. No.	Second Year	Third Year
1.	Himanshi Ajay Jain (10)	Animesh Parag Joshi (10)
2.	Kapil Shravan Chadhokar (10)	Dipesh Kaushlendra Mishra (10)
3.	Swapnil Dilip Selukar (10)	Shridharan Narasimhan Iyer (10)

## Internship Details:

The students of final year MCA have been placed as interns in Elite back office Solutions, Tradepath Capital, Great Place IT Services companies at Nagpur. Internship drive was arranged and coordinated by Dr. A. Thakare (Internship In-charge), Prof. K. R. Roy (Dean T & P). All the internship students are paid stipend which ranges from Rs. 5k to Rs. 20k per month.

## List of Students doing One Year Internship

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

## Training and Placement Cell

The T&P Cell organized a rigorous online test series of fifteen tests for all pre final year students.

A special 66 hours of online training on Aptitude , reasoning, verbal, non verbal patterns of questions, as well as on technical topics like C, C++ and basics of programming were conducted. A two-fold webinar was conducted to inform students about their joining dates by various companies and bridge the gap between company mentors and students, presently undergoing Internships.

The Institute has collaborated with the Government of Maharashtra & PWC as part of its FinTech Education Initiative – UDAY. The platform provides insightful online courses co-created by industry and academia, and a channel for potential jobs on certification.

The Institute is hosting the WileyNXT –Hiring Program that includes hiring for the world's top global banks including Morgan Stanley, Bank of America, Wells Fargo, Nomura, etc. with a package of around 7 to 11 LPA. Online Internships are planned and the possibility of virtual joining of final year students is explored with all IT companies.

RCOEM has taken a paid subscription of FOSS IIT, Bombay Spoken Tutorial, for all the students (UG & PG). The Spoken Tutorial project is the initiative of the National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India.

## Technology and Business Incubation Cell

The TBI has organized various webinars and online sessions and networked with alumni to provide momentum to incubation and startup activities.

Students take active part in Smart IndiaHackathon2020under Hardware Category.

III Cell & RCOEM TBI has prepared a proposal for ministry of MSME where the Institute will provide “Design Expertise to Manufacturing MSME Sector” Under Credit Linked Capital Subsidy –Technology Upgradation Scheme (CLSC-TUS).

## Social Responsibility

The Institute has distributed more than 1500 ration kits (11kg each) to the needy through NMC and 9 distribution centers across Nagpur.

The Institute has also donated 800 Personal Protection kits to the Traffic Police Department and 1200 safety kits to all its employees and their family members.

Employees of the institute have contributed one day's salary towards the cause of COVID-19 Welfare Fund.

As a precautionary measure Institute has sanitized the complete campus.



## Confluence of Sanskrit and Technology MoU between KKSU and RCOEM

A Memorandum of Understanding (MoU) was recently signed between Shri Ramdeobaba College of Engineering and Management (RCOEM), a leading autonomous educational institution in Central India with Kavikulguru Kalidas Sanskrit University (KKSU), Ramtek, a lone Sanskrit University in Maharashtra. The agreement is intended to combine ancient Sanskrit literature with modern science and technology. The MoU was exchanged in between Acharya Shrinivas Varakhedi, Vice Chancellor, Kavikulguru Kalidas Sanskrit University and Prof. Nikhil Damle, Registrar, RCOEM. For the last three years, the Ministry of Human Resource Development has started a Non-formal Sanskrit Education centre at Shri Ramdeobaba College of Engineering and Management. Through this centre, engineering students receive training in Sanskrit language training. By gaining this training the students can explore the precious treasures hidden in Sanskrit literature and ancient literature for the benefit of the society. The agreement was signed through the visionary role of the Vice Chancellor Acharya Shrinivas Varakhedi and the RCOEM Principal Dr. Rajesh Pande. The MoU is expected to further boost the research attitude among faculty members, researchers and students of engineering and Sanskrit. Dr. Vijay Kumar CG, Registrar, KKSU; Dr. Prasad Gokhale, Director, Board of Planning and development, KKSU; Sumit Kathale, Assistant Registrar and Dr. Bhalchandra Hardas, Sanskrit Centre Coordinator, RCOEM were prominently present on the occasion.



Prof. Shrinivas Varakhedi and Prof. Nikhil Damle exchanging MoU between KKSU and RCOEM. Also seen are Sumit Kathale, Dr. Vijay Kumar CG, Dr. Bhalchandra Hardas and Dr. Prasad Gokhale.

# REFLECTION NEWSLETTER

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

Ramdeobaba Tekadi, Gittikhadan, Nagpur - 440013  
Phone : 0712-2580011, Website : [www.rk nec.edu](http://www.rk nec.edu)



**Shri Ramdeobaba Temple on Campus**

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