

REFLECTION NEWSLETTER

of
SHRI RAMDEOBABA COLLEGE OF
ENGINEERING AND MANAGEMENT

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EDITORS MESSAGE

The first quarter of the year brought the laurels to the college with our student's performance in competitive exams like GATE, GRE, GMAT, CAT, etc. The appreciable performance of students were seen in various inter college and intra college Competitions of technical, sports and other extracurricular activities. This quarter also witness the commendable performance of faculties with achieving awards, PhD, involvement in various national and international activities.

This quarter witnessed the Alumni meets in Civil department and MBA department. Reunion of the first batch of RCOEM and 2001 batch also had reunion in different chapters of Alumni Association. Not only reunions we also brought the experiences of our Alumni live in the classrooms for our students in the form guest lectures. Our Alumni also visited the campus for placement activities.

Aeromodeling Competition organised in association with Aeronautical society of India

in the event Vortex can be considered as marking event of this quarter.

The faculty members participated in Conferences, STTPs, FDPs and also had their research work published in international journals of repute. Some of the faculty members delivered the Guest lectures in other organizations also.

The training and placement department, as dynamic as ever, worked very hard to ensured that a good number of our students get placed for their internships and Placement. Their endurance can be seen in the number of students getting internship and Placement in all departments.

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

Alumni Association

Department of Civil Engineering
Organized Alumni Meet on 15th Feb 2020.



"RENDEZVOUS 2020" - Reunion of
MBA 2008-10 batch at RCOEM



The Department of Management Technology, RCOEM, had organized a grand reunion of the 2008-10 Batch on completion of 10 years of the batch, on Saturday 25th January 2020 in the auditorium of DMT. The alumni were felicitated with various fun awards based on their college lives. The reunion ended with an informal interaction among the faculty members, the alumni and the representatives of the current batch of students over a gala dinner.

Reunion of RCOEM Alumni from 2001 batch:

Alumni of 2001 batch reunited on 24th Jan 2020, where Ankur Gupta, Mohit Agarwal, Puneet Bagla from Civil Engineering, Neeraj Jha, Amit Mishra from Mining Engineering, Anurag Agarwal from EDT, Nilesh Surana from Electrical Engineering and Nikhil Thard from Industrial Engineering were prominently present there.

First batch of RCOEM



Alumni had a get together from 14th to 16th Feb 2020 at Bandhavgarh National Park in Madhya Pradesh. 28 Alumni from different branches from 1988 Batch attended it.

Department of Civil Engineering

Faculty Corner

Publications

Sr. No.	Name of the Author	Name(s) of the Co-Author	Title of the Paper	Name of the Journal	Month and Year of Publication	ISSN	Indexing: SCI/Scopus/ICI,
1	Vishal M. Meshram	Dr. P. P. Dahale, M.S. Tiwari Dr. G.G. Manekar	Advancement Of Conventional Anchor Support System Through Use Of Natm And Nmt Approach For Underground Drift Stability	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
2	Er. Manoj Hukre	Prof. Varsha R. Harne	Analysis & Design of Beam less Slab	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
3	Prof. Varsha R. Harne	Prof. N. S. Agrawal	Analysis of Reinforced Concrete Structure Considering the Effect of Soil Structure Interaction	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
4	Anushka Kumar	P. D. Pachpor, A. K. Sharma	Application of artificial neural network for design of two way slab	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
5	Harshad D Bhave	T. K. Rao, M. S Tiwari	Application of Geoinformatics in Ground Water Augmentation of AAM Watershed	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)

Sr. No.	Name of the Author	Name(s) of the Co-Author	Title of the Paper	Name of the Journal	Month and Year of Publication	ISSN	Indexing: SCI/Scopus/ICI,
6	VMSR Murthy	M S Tiwari, A K Raina	Challenges in mining Industry and addressing through research and innovation	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
7	Dr. P. D. Hiwase	S Venkat Shubham, Ashlesh S Reddy, A A Ali	Comparison of foot-over bridge with different configuration of members	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	
8	Dr. P. D. Hiwase	Ayush Shahu, Ajit Singh Choudhari, Monali Shangondawar	Comparison on sustainability of moment resistance connection methods in steel design	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
9	Nikhil S. Agrawal	Varsha Harne, Jyoti Chouhan, Laxmi Gangwani	Construction of Plunge Column by using Top down Construction Method	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
10	Dr. Joshi S.V	Gonnade E.M.	Economical Design of Ash bund for Disposal of Wonder material- Fly Ash	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
11	B. P. Chelani	M. S. Tiwari, P. B. Kulkarni, E.M. Gonnade	Effect of hydrostatic pressure and soil characteristics on stability of dumps	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)

Sr. No.	Name of the Author	Name(s) of the Co-Author	Title of the Paper	Name of the Journal	Month and Year of Publication	ISSN	Indexing: SCI/Scopus/ICI,
12	Varsha Harne	Anuj K. Sharma, Surbhi Mewara, T. K. Rao	Effect of Polypropylene fiber on engineering properties of bitumen and bituminous mix	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
13	Ankush Asati	Udaysingh Patil, Vivek P. Joshi	Estimation of capacity of Urban Roads under Heterogeneous Traffic Conditions	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
14	Mohd. Rameez Raza Sheikh	P. B. Kulkarni, E.M. Gonnade	Experimental Studies On Effect Of Nailing In Cohessionless Soil	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
15	A. R. Karanjekar	Dr. P. D. Pachpor	Experimental Studies On Liquefaction Susceptibility And Effect Of Fines (Silt) Using Shake	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
16	Sharda P. Siddh	Shubham Mishra, H. P. Khungar	Finite Element Analysis of PEB using Ready Reckoner for Moment Connection	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
17	P. Guru Raju	Ramesh Mani V, A. K. Sharma	Improvement in Sleeper Casting Process-A Case Study from Ghana	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)

Sr. No.	Name of the Author	Name(s) of the Co-Author	Title of the Paper	Name of the Journal	Month and Year of Publication	ISSN	Indexing: SCI/ Scopus/ICI,
18	V. K. Gahlot	A. K. Sharma, P. Kalla, P. P. Dahale	MaaS: Opportunities for Improving Mobility Services	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
19	Abhay Srivastav	A. A Mehta, P. P. Dahale, P. D. Hiwase	Numerical Modelling Of Braced Sheet Pile	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
20	Kameshwar Rao Tallapragada	Anuj Kumar Sharma, Prabodh D Pachpor	Pullout Behaviour of Screw and Suction Piles in Clayey Soil	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
21	E. M. Gonnade	M. S. Tiwari, P. B. Kulkarni, S. V. Joshi	Reuse of synthetic plastic fibres and plastic granules in concrete	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
22	Talha Nalgire	P. P. Dahale, A. A. Mehta, P. D. Hiwase	Slope Stability Analysis by Geo Slope	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
23	Aunj kumar Sharma	Vimal Gahlot, T. K. Rao, P. D. Pachpor	Sustainable Transportation Systems to Improve Road Safety Situation	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)

Sr. No.	Name of the Author	Name(s) of the Co-Author	Title of the Paper	Name of the Journal	Month and Year of Publication	ISSN	Indexing: SCI/ Scopus/ICI,
24	Kameshwar Rao Tallapragada	Divya Chandak, Yash Rathi, Rajat Raghuwanshi	Traffic & Pedestrian Studies of Selected Routes in Nagpur City	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
25	Subhash V Joshi,	E.M. Gonnade	Stabilization of Expansive Soil Using Chemical Stabilizer with Cement	Helix-The Scientific Explorer	29-Feb-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
26	R. N. Khapre	K. Gonnade	Experimental and Computational Study on Concrete Filled PVC Plastic Tubes Placed in Columns	Helix-The Scientific Explorer	31-Jan-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
27	Sumit S. Geete	Hemant K Singh M. S. Tiwari V. J. Rajurkar	Review of Limit Equilibrium Methods for Stability Analysis of Dump Slope	Helix-The Scientific Explorer	31-Jan-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
28	Dr. P. P. Dahale	Dr. P. D. Hiwase	Seismic Behavior of L shape RC Building and effect of shear wall	Helix-The Scientific Explorer	31-Jan-20	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	ESCI (WOS)
29	V. J. Rajurkar	Dr. A. Z. Chitade	Strength of Fly ash Based Rammed Earth Block Reinforced with Natural Fibers"	International conference, on Urban Science and Engineering (ICUSE-2020)	Feb. 20		

Departmental Activities

The Civil Engineering Students Association (CESA), Civil Engineering Department has organized NEEV 2020, a National Convention of Civil Engineering Students from 13th – 15th February 2020. It was a three days technical student's convention based on the theme “FIELD ASPECTS OF CIVIL ENGINEERING STUDENTS (FACES2020)”. It consisted of technical workshop, demonstration sessions and technical exhibition. The main attraction was display of several construction machinery, equipment and materials in the event at MBA Parking, RCOEM Nagpur. The Inauguration was done by the worthy hands of Shri. Virendra Kukreja (M.D.-Kukreja Infrastructures.) and Shri. Aman Vyaghra (Director, Hydrotech Equipments Pvt. Ltd.)

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	Demonstration of Rebar Locator, PS 200 Ferrosan	07th Jan 2020	Mr. Rahul Tarekar of Hilti India Pvt. Ltd. and Mr. Jiwane, Technical assistant, from Geotech Services, Nagpur	Dr. V. A. Dakwale
2	Introduction to STAAD. pro Connect Edition	29th February 2020.	Mr,Kaushal Agrawal, Bentley India, Mr. Satish Raipure, Vice President (West), ACCE and Mr. Prashant Upasni, Secretary ACCE, Nagpur	Department of Civil Engineering, ACCE, ICI and Association of Licensing Engineers
3	Female health care concerns and their solutions	6th March 2020	Dr. Sanjay Sharma, certified L& D aspect from Indian Society of Training & Development and Consultant in Cipla Ltd., Glenmark Pharma.	Prof. H.P. Khungar, Dr. T.B. Gupta, Dr.S.P. Siddh

Department of Computer Science and Engineering

Faculty Corner

Faculty PhD Awarded:

Dr. Rashmi Welekar was awarded PhD in March 2020 from Rashtrasant Tukdoji Maharaj Nagpur University.

Guest Lectures taken by faculty

Sr. No.	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organization of Guest Lecture
1	Dr. M.B. Chandak Dr. Ramchand Hablani Dr. Shailendra S. Aote Prof. Khushboo Khurana Prof. Vasundhara Rathod	Atomization in Industry	29th Jan 2020	CEAT Tyre, MIDC, Butibori, Nagpur

Publications

Sr. No.	Name of the Authors	Title of the Paper	Name of the Journal/Conference/Book	Date of Conference/Publication	ISSN/ISBN	DOI, vol., Iss., pp	SCI/Scopus/ICI/Other (index)
1	Heena M. Agrawal, S. G. Mundada	ORBOID: Robotic VR based Application for Remote Regions	International Journal of Advanced Trends in Computer Science and Engineering	Feb-Mar-2020	2278-3091	https://doi.org/10.30534/ijatcse/2020/121912020	Scopus
2	S. G. Mundada, H. M. Agrawal	Design of Sequence Detector using Finite State Machine	International Journal of Advanced Trends in Computer Science and Engineering	Feb-Mar-2020	2278-3091	https://doi.org/10.30534/ijatcse/2020/122912020	Scopus
3	Ashwini Zadgaonkar	An Approach for Translation of Text in Images using Deep Learning Techniques	International Journal of Advanced Trends in Computer Science and Engineering	2020	2278-3091	Volume 9, Issue 1 pp 808-012	Scopus
4	Shubhangi Neware	Fruit Grading System using k means clustering and Artificial Neural Network	International Journal of Advanced Trends in Computer Science and Engineering	2020	2278-3091	Volume 9, No.1,pp678-81	Scopus
5	Rupali S. Vairagade	A Comprehensive Analysis of the significance of Blockchain and AI for IoT Security	Journal Paper Format International Journal of Advanced Science and Technology	2020	2005-4238	Vol. 29, No.03, (2020), pp. 5542- 5553	Scopus
6	Shubhangi Tirpude	Abnormal X Ray Detection System using Convolutional Neural Network	International Journal of Advanced Trends in Computer Science and Engineering	Feb- 2020	2278-3091	Volume 9 , No. 1 pp 828-832	Scopus

6	Samir Ajani	Probabilistic path planning using current obstacle position in static environment	2nd International Conference on Data, Engineering and Applications 2020	Feb-2020	--	--	Scopus
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STTP/FDP/other Training Attended by Faculty

Sr. No.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1	Samir Ajani	FDP On " Cyber Security & Cyber Forensics"	13-18 Jan, 2020	JIT, Nagpur
2	Samir Ajani	International AI Summit - 2020	6-7 March 2020	GHRCE, Nagpur

Departmental Activities

Industrial Visits

1. Industrial Visit at Kcyberexperts Pvt. Ltd, Nagpur

Faculty members of RCOEM visited Kcyberexperts Pvt Ltd, Nagpur, an authorized centre for EC council certification, on 6th FEB 2020. The objective of the industry visit was to become aware of knowledge regarding data security, digital forensic analysis, and awareness about cybercrime. The experts in the industry demonstrated various important tools and investigation methods followed in most of Government cases. They discussed many real case studies to have a realization of legal ethics performed to secure important information stored in the system.



Faculties during industrial visit with industry people

The expert introduced faculties to many scams that happens in financial enterprises and enhanced the knowledge of various certifications required and available in the field of cyber security required in the industry. They focused and discussed the best practices to be followed while securing important data and transactions. Industry concluded the visit by showing Devices, testing kits and also shared the information about how to handle the same in solving cases. The event was coordinated by Dr. M. B. Chandak and Prof. Devishree Naidu with Ms. Isha Mujumdar, Digital Forensic Analyst, Kcyberexperts.

2. Industrial Visit at Persistent Systems Pvt. Ltd., Nagpur

With an objective to understand the working environment, placement process & selection criteria, technology trends in IT and to gain insights into the diversified domains of their technical presence, an industrial visit of B. E. Third Year Students of the Department of Computer Science and Engineering, RCOEM, Nagpur was organised at Persistent Systems Pvt. Ltd, Nagpur on February 14, 2020. The visit was planned under the guidance of Dr. M. B. Chandak, HoD CSE and coordinated by faculty members of the department.

On February 14, more than 110 students from 6th semester, CSE assembled at the premises of

Persistent Systems Pvt. Ltd, Nagpur at 8.00 a.m. The presentations started with the basic information about the company by their founder Dr. Anand Deshpande and his vision that has made PSPL scale new heights.

The students were further enlightened on latest trends in IT sector like Big Data, Business Analytics and Cloud Computing. It was inspiring to know that PSPL offers internship and job opportunities as well as project guidance for B.E. students.



Technical Team Personnel interacting with the gathering

The students were then divided into batches of 25 each for the campus visit along with the interaction with their technical teams. Toward the end of the visit, the organizers showcased 02 projects developed at PSPL for the attendees. The technical experts provided the design insights into development and deployment of these projects in a live demo.

The RCOEM alumni who were presently working at PSPL shared their working experience besides discussing the work life balance at PSPL. It followed a highly participative Q&A sessions where PSPL team could clear doubts and myths prevailing in the minds of the gathering.



Group Photo at Persistent Systems Pvt. Ltd.

Parents Meet

Parent - Teacher Meet was organised on 25th January, 2020 at Department of Computer Science & Engineering, RCOEM, Nagpur. Parents were given booklet highlighting the vision, mission, program outcomes, program specific outcomes, result analysis, achievements of the students, list of faculty members and the activities organized by the department for the students.

The parents were given the general observation about their wards performance in the internal tests and attendance by class in-charge and course coordinators. Discussion related to problems and suggestions for improvement in the subjects was also carried out between the parents and the respective subject teachers. Head of Department, Dr. M. B. Chandak also met the parents to discuss the placement and new opportunities in IT sector. At the end a feedback form was filled and collected from the parents who also suggested the various ways of improvement.

Workshop, Conference, STTP and Guest Lectures organized in Department

1. Firebase Study Jam Workshop

The workshop on Firebase was organized on 29th February 2020 by CSE Department at Ramdeobaba College of Engineering and Management, Nagpur. The objective of this workshop was to give an overview and introduction to Firebase and its functions, features and project implementation followed by hands on coding session which was conducted on 'Code labs by Google Developers' with the help of Local Machines. The participants were provided with access to Stackbliz.com for live coding sessions.

The sessions were conducted on a tour of Firebase and different Functions of Firebase, how to create a Web Application in Firebase, Firebase Authentication for implementing user authentication in the app, Firebase Real Time Database for maintaining important web data, Firebase Cloud

Messaging for Android.

The participants included students from all over Nagpur and from different colleges. There were also around 5 Persistent Systems' employees at the event. Around 125 students participated in the meet up of which 50 students were from RCOEM.



Students Attending Workshop

The Students involved in the organization of this workshop were Aditya Sharma (DSC Lead), Rohit Daftari, Varun Mishra, Vedant Khairnar, Siddhi Belgamwar, Jigyasu Prakash, Rishabh Rathi, Chaitanya, Rohan . Prof. Devishree Naidu, Assistant Professor, CSE, RCOEM was the Professor Incharge of this event.

2. Internal Hackathon Under Smart India Hackathon 2020

Internal Hackathon for nominating Teams from Ramdeobaba College of Engineering and Management, Nagpur to Smart India Hackathon-2020 was organized by Department of Computer Science and Engineering on 18th Jan, 2020. It recorded 31 software and 11 hardware teams' participations. Experts from Industry and Academia were invited to judge and recommend the Idea Documents as proposed solution to different problems offered by ministries, government departments and industries on SIH portal. In all 9 software and 5 hardware teams were nominated from RCOEM Nagpur for SIH, 2020.

of the 09 nominated teams from RCOEM, 04 Teams are selected for the Grand Finale of Smart India Hackathon 2020 (Software Edition). All these teams are from VI semester, CSE. The shortlisted teams are

PS Code	Organization	Domain Bucket	Problem Statement	Team Name	Team Leader	Team Members	Faculty Guide(s)
MK91	Govt. of Uttarakhand	Healthcare & Biomedical Devices	Primary health care in remote areas using Cloud medicine and Diagnostic Services	NEW_WORLD_ORDER	Atharva Udupure	Gaurav Sharma Nikhil Sahu Ashlesh Mahule Jigyasu Prakash Manasi Namjoshi	Dr. M. B. Chandak Prof. S. G. Mundada
AK16	Airport Authority of India	Software Mobile App Development	Mobile Application based Passenger Facilitation System using AI & ML	ENIGMA_24	Aditya K. Tiwari	Gauri Walke Bhumika Nagrecha Dhruv Rais Shubham Vyas Shubham Khandelwal	Prof. D. A. Borikar Dr. S. S. Aote
AP63	Bajaj Finance Services	Healthcare and Biomedical Devices	Voice Prescription	CODE_GEEKS	Saksham Madan	Raghav Biyard Preha Rohatgi Pooja Agrawal Shreya Ruia Rishita	Dr. R. Hablani Prof. S. G. Mundada
MK203	Ministry of Rural Development	Software Web App Development	Intelligent Attendance Solution for MGNREGA Workers	DeepMinds	Sushant Patrikar	Yash Sharangpani Keshav Jha Sudhanshu Bhogal Akshay Mishra Kalyani Joshi	Dr. R. Hablani Dr. S. S. Aote

Shortlisted teams form RCOEM for SIH, 2020

Students' Corner Student Achievements

1. CSE RCOEM In ICPC (International Collegiate Programming Contest)

Teams from Department of Computer Science Engineering, Shri Ramdeobaba College Of Engineering and Management, Nagpur confirmed their participation at all 04 sites (viz. Kharagpur, Gwalior-Pune, Amritapuri, Kanpur) for the first time for On-site Contest (the Regional's) of West Asia Regionals 2019-20. Prof. D. A. Borikar, CSE is the coach for these teams.

- Team Ascendants, comprising of students of VI(B) - Shrey Agrawal, Punit Gandeche, Pranav Manbhekar, Vaibhav Kalbhore participated in IIT Kharagpur On-site Contest and IIT Gwalior-Pune On-site Contest and were ranked 55 (out of 95) and 75 (out of 126) respectively.
- Team No_Calibre, comprising of VIII (B) students - Naman Vidyabhanu, Aniruddha Agrawal, Saurabh Talmale and Surbhi Khatri were ranked 208 (out of 313) at Amritapuri-Bengaluru On-site Contest.
- Team Whats_in_a_Name, comprising VIII (B) students - Rajat Agrawal, Karan Rathi, and Adnan Husain participated in Kanpur On-site Contest.

Other Achievements :

Sr. No	Name of Student	Event	Achievement	Date
1 2 3	Piyush Chotiya Nachiket Satpute Kunal Khadkeshwar	Axis Hackathon VNIT, Nagpur	Winner, Offered Internship At Microland	01-03-20
4	Aditya Sharma	VNIT, Axis Hackathon 2020	Winner, Got internship in MicroLand Bangalore with 25K stipend/month	1/3/2020
5 6 7	Rishabh Rathi Shreyas Barve NikeshSingh Baghel	Google Hashcode 2020	Secured 6,720 th world rank	20/2/2020
8	Shubham Vyas	Google Kickstart 2020	Ranked 4370 Globally among 14k+ participants	22/3/2020
9	Aditya Sharma	Microsoft Technology Associate	Cleared the certification Exam	Dec-2019
10	Tejas Tapas	CMO, Technical Event under AXIS< VNIT, Nagpur	Winner	1/3/2020
11	Sarang Mishra	Project competition at Govt. Polytechnic Nagpur	Winner	3/3/2020
12	Sarang Mishra	Project competition at G.H.Raisoni Institute Nagpur	2 nd position	18/2/2020
13	Aditya Sharma	GATE Examination	Cleared with score :360	March2020
14	Nayan Gourkar	GATE Examination	Cleared with score :371	March2020

15	Aditya Sharma	ICPC (International Collegiate Programming Contest)	Got Honorable mention, Rank:1038, Gwalior-Pune online round	22/10/2019
16	Ayush Kedia	ICPC (International Collegiate Programming Contest)	Got Honorable mention, Rank:1143, Gwalior-Pune online round	22/10/2019
17	Atul Thakre	ICPC (International Collegiate Programming Contest)	Got Honorable mention, Rank:1140, Gwalior-Pune online round	22/10/2019
18	Nakul Tibdewal	ICPC Asia Kanpur Preliminary Online Site	Got Honorable mention	18/10/2019
19	Sushant Patrikar			
20	Vedant Khairnar			
21	Kalyani Joshi			
22	Suyash Sinha			
23	Yash Sharangpani			
24	Saket Gulhane			
25	Abhishek Verma			
26	Jigyasu Prakash			
27	Pooja Agrawal			
28	Raghav Biyani			
29	Saksham Madan			
30	Keshav Jha			
31	Anand Sharma			
32	Yugandhar Deshkar	GRE Examination	Cleared the exam with Score : 315/340, Analytical writing : 5/6	31/1/2020
33	Sanskriti Bajoria	CAT	Cleared with score : 95.23 percentile	November 2019
34	Nayan Gourkar	GATE-2020	Cleared with score :371	February 2020
35	Aditya Gourkar	GATE - 2020	Cleared with score :364	February 2020
36	Pankhudi Tiwari	Crack the Code (Enkryptiaa 2020), Government Polytechnic ,Nagpur	1st position	04-03-20
37	Manjiri Butolia			
38	Shrasti Gupta	Crack the Code (Enkryptiaa 2020), Government Polytechnic ,Nagpur	2 nd position	04-03-20
39	Aaishwarya Suradkar			

40	Gaurav Agrawal	ACM ICPC	Honourable Mention	18-10-19
41	Abhishek Sharma			
42	Yavar Vazir			
43	Shubham Khandelwal			
	Krunal Pande			
44	Kunal Khadkeshwar			
45	Shubham Vyas			
46	Akash Agrawal			
47	Dhruv Rais			
48	Adnan Shoeb Husain			
49	Aditya Gourkar			
50	Nayan Gourkar			
51	Sushant Kumar			
52	Hashir Sheikh			
53	Shoeb Pathan			
54				
55	Shrijeet Shivdekar	UDGHOSH, Inter collegiate basketball tournament	2 nd position	31/1/2020
56	Vartika Gupta	Abhivyakti, Inter-collegiate dance competition at IIIT, Nagpur	2 nd position	23/2/2020
57	Sreya Vallabhaneni			
58	Ketki Fadnavis	R.T.M.N.U Intercollegiate Table tennis Tournament	Winner. Selected for Zonal level.	25-10-19
59	Aryan Pandharipande	Inter- University Central Zone Youth Festival	3rd Price in Folk Orchestra, 2nd prize Western vocals Solo (accompanist), 3rd prize Western vocals group (accompanist)	22-12-19

Other Achievements :

S.No.	Name of Student	Event	Achievement	Date
1.	Hashir Sheikh	International Journal of Advanced Trends in Computer Science and Engineering	Paper Published	February 2020
2.	Naman Vidyabhanu			
3.	Shivam Singh			
4.	Shoeb Pathan			
5.	Zeeshan Ali Syed			

Students of the department have successfully completed 220+ online courses offered by top E-learning platforms like Coursera, NPTEL, Udemy, Microsoft, IBM, etc.

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

Training and Placement Data (Placement and Internship), Students in Higher Studies, Placements, Competitive Exams

Number of Students Placed	
Shift I	71
Shift II	66
Total Students with Job Offers	299
Total Placed	137

Sr. No.	Company Name	Number of selected students		Package (in Lakhs)	Total selected
		Shift I	Shift II		
1.	Accenture ASE	30	26	4.5	56
2.	Accenture FSE	7	12	6.5	19
3.	Capgemini	22	19	3.8	41
4.	Cybage Software Pvt. Ltd.	4	2	3.5	6
5.	Hitachi Consulting	1	0	6.5	1
6.	Infosys Limited-Power Programmer	1	3	8	4
7.	Infosys Limited-Specialist-System Engineer	7	9	5	16
8.	Infosys Limited-System Engineer	2	1	3.5	3
9.	L&T Infotech L1	12	18	5	30
10.	L&T Infotech L2	2	3	6.5	5
11.	Mu Sigma	20	7	8.5	27
12.	Persistent Systems Ltd.	7	10	4.4	17
13.	Prescriber360 Solutions	2	0	5	2
14.	Principal Global Investors LLC	5	1	6	6
15.	Tata Consultancy Services	6	18	3.5	24
16.	Z S Associates	2	2	8.5	4
17.	Barclays	2	1	12	3
18.	Epam	1	4	6	5
19.	Vmware	3	2	19.5	5
20.	Informatica	1	1	8.5	2
21.	Birla Soft Limited	2		3.25	2
22.	Chegg India	4		3.6	4
23.	Cognizant	1		4	1
24.	Infostretch Corporation (India) Pvt. Ltd.	1		3.5	1
25.	Jade Global Software Pvt. Ltd.	2		3.5	2
26.	Sankey Solutions Pvt Ltd.	1		3.5	1
27.	Tata Consultancy Services (Digital)	6		7.6	6
28.	IBM Associate System Engineer	4		4.5	4
29.	IBM Associate Technical Engineer	1		4.5	1
30.	Persistent SIH	1		4.5	1
31.	AVEVA		1	4	1
		160	140	5.91	300

Internship :

Sr.No.	Internship	No. of Students offered Internship		Total	Stipend (INR)
		Shift1	Shift2		
1	Absyz	1	7	8	18,000.00
2	Amazon	3	1	4	20,000.00
3	Amazon		2	2	60,000.00
4	BNY Mellon		1	1	60,000.00
5	Capillary	1		1	35,000.00
6	EDISPHERE		1	1	9,000.00
7	Embibe		2	2	18,000.00
8	Fivetran	3	1	4	25,000.00
9	Grab		2	2	
10	GRapha		1	1	8,000.00
11	Hitachi Consulting	1		1	20,000.00
12	Informatica	1	1	2	22,000.00
13	Jade Global	1		1	
14	Konverge.AI	2		2	5,000.00
15	Marvel Semiconductor	1		1	
16	Mindzcloud	1		1	8,000.00
17	Mithya labs		2	2	15,000.00
18	Neeri	3		3	
19	Persistent	2	6	8	10,000.00
20	Principal global	4		4	15,000.00
21	Sabertooth		5	5	5,000.00
22	Sahaj		2	2	25,000.00
23	Sankey Solutions	1	1	2	10,000.00
24	Sentech		1	1	80,000.00
25	Siemens	1	2	3	25,000.00
26	Sqopus		1	1	15,000.00
27	TCS	2	6	8	
28	Vconstruct	3		3	
29	Vmware	4	4	8	40,000.00
30	ZS Associates	2	2	4	30,000.00
31	Sacchidanand U-tech		1	1	10,000.00
32	Morgan Stanley	1	1	2	18,000.00
33	Birla Soft	1		1	10,000.00
	Total	39	53	92	

Department of Electrical Engineering

Faculty Corner

Guest Lectures taken by faculty

Sr. No.	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
1	Dr. M. M. Renge	Power Electronics	06/03/2020	Electrical Engineering Department of GHRIET

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 / IC I / Other (index)
1	Sangita Deshmukh, Vinay Barhate, Dhananjay Tutakne	Line Synchronised Control Pulses for Three Phase Induction Motor AC - AC Drive Using Analog Phase Lock Loop Technique	Helix Scientific Explorer	29 th February 2020	Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495	https://doi.org/10.29042/2020-10-1-235-240 Volume No 10 Issue No 01	ESCI
2	Rahul Adle, Mohan M Renge,	Comparison of Shoot through Technique for Series Z-Source Inverter				https://doi.org/10.29042/2020-10-1-241-244 Volume No 10 Issue No 01	ESCI
3	Anurag Khergade, R. J. Satputaley, Sanjay Bodkhe	Impact of Different Types of Voltage Sag on Adjustable Speed Drive				https://doi.org/10.29042/2020-10-1-245-249 Volume No 10 Issue No 01	ESCI
4	Sudarshan Khond, Vinay Barhate, S.B.Bodkhe	Modern Techniques for Power Swing Detection and Classification - A Review				https://doi.org/10.29042/2020-10-1-265-270 Volume No 10 Issue No 01	ESCI
5	Dr T.G. Arora Ms. Sonali Rangari, Asst. Professor,	Design of Pulse Power Supply by Rotating Spark Gap for Repetitive Surge Voltage Generation.	The 2020 International Electrical Engineering Congress (iEECON2020) Chiang Mai, Thailand	from 6th to 8th March-2020.	--	--	IEEE International Conference

Departmental Activities

Conference, STTP and Guest Lectures organized in Department

S.No.	Conference/STTP/Guest Lecture organized	Speaker (with Affiliation)	Duration	Date
1	Guest Lecture organized on “Artificial Intelligence In Power System”	Dr. Altaf Badar, NIT Warangal	2 hour	24-Jan-2020
2	Guest Lecture organized on “Electrical Energy Conservation, Maintenance of Electrical system, Safety Culture in Industries”	Mr. Sunil Mahabal SM Consultants Nagpur. DGM Central Services at Mahindra & Mahindra, Hingna MIDC, Nagpur).	2 hour	25-Jan-2020
3	Guest Lecture organized on “Insight of Electrical Machines”	Dr.B.N.Chaudhary Ex-Director COEP Pune.	2 hour	26-Feb-2020
4	Guest Lecture organized on “Future Scope of Electrical Engineering”	Dr.B.N.Chaudhary Ex-Director COEP Pune.	2 hour	26-Feb-2020
5	Guest Lecture organized on “Industrial Automation (PLC & SCADA)”	Mr. Pranav Mehar Asst. Manager (Training Div. - Central India)	2 hour	06-March-2020

Guest Lecture on “Electrical Energy Conservation, Maintenance of Electrical system, Safety Culture in Industries”



Department of Electrical Engineering organized a guest lecture on “Electrical Energy Conservation, Maintenance of Electrical system, Safety Culture in Industries” by Mr. Sunil Mahabal (SM Consultants Nagpur, DGM Central Services at Mahindra & Mahindra, Hingna MIDC, Nagpur).on 25th Jan 2020. The event witnessed the participation from 3rd year Electrical Engineering students. In this lecture, students got an insight on Electrical Energy Conservation, Maintenance of

Electrical system, Safety Culture in Industries. The faculty coordinators for the event was Prof. P. Sawarkar, Dr. Piyush Khadke & Prof. Gaurav Goyal. This guest lecture was highly appreciated by students.

Guest Lecture on “Insight of Electrical Machines”



The Electrical Engineering Students’ Association (EESA) of Shri Ramdeobaba College of Engineering and Management organized a Guest Lecture on “Insight of Electrical Machines” on 26-Feb-2020 for Third Year students of

electrical engineering. This guest lecture was organized by Dr. S. B. Bodkhe, Dr. Mrs. P. V. Kapoor, & Dr. G. Goyal. The lecture was delivered by Dr. B. N. Chaudhary Ex-Director COEP Pune. He discussed electrical machines, Control of different machines, selection of electrical machines with the students of second year electrical engineering. The lecture was highly appreciated by the students.

Guest Lecture on “Future Scope of Electrical Engineering”



The Electrical Engineering Students’ Association (EESA) of Shri Ramdeobaba College of Engineering and Management organized a Guest Lecture on “Future Scope of Electrical Engineering” on 26-Feb-2020 for Second Year students of electrical engineering. This guest lecture was organized by Dr.S.B.Bodkhe, Dr.Mrs.P.V.Kapoor, & Mrs.M.B.Gaikwad. The lecture was delivered by Dr.B.N.Chaudhary. Ex-Director COEP Pune. He discussed with students application of new technology like ANN, AI, etc. to electrical engineering. The lecture was highly appreciated by the students.

Guest Lecture on “Industrial Automation (PLC & SCADA)”



Department of Electrical Engineering had organized seminar on “Industrial Automation (PLC & SCADA)” on 3rd March-2020. The workshop was conducted as value added course for the students of 3rd year electrical engineering. Mr. Pranav Mehar Asst. Manager (Training Div.- Central India) conducted deliver the seminar. Total 43 students had taken active participation in the workshop. Introduction to PLC, types of PLC, Ladder diagram, & designing of Ladder diagram were discussed in the workshop. This value added course was conducted under the guidance of Prof. V. T. Barhate (HoD, EE), & all senior faculty members of Electrical Engineering Department.

Expert Talk on “Power Electronics”

Expert talk by Dr. M. M. Renge, Professor, Shri Ramdeobaba College of Engineering and Management on “Power Electronics” was organized by Electrical Engineering Department of GHRIET, Nagpur on 06/03/2020 for the 6Th and 8Th semester students of Electrical Engineering Department.

He first explained the scope of power electronics. After that he described the role of converter and inverter in industry. He explained how converter is used in different sectors like transport, domestics, communication, drives and FACTS devices. He encouraged students to do innovative project keeping in mind current engineering trends, problem, future demands etc.



Students' Corner Student Achievements

SNo.	Name of Student	Event	Achievement	Date
1	Vikram Chandora-65	Placement	Selected in JSW (5.57 LPA)	26-02-20
2	Suryapratap Singh-62	Placement	Selected in Wipro Water (4LPA)	26-02-20
3	Kunal Gupta- 42	Placement	Selected in JSW (5.57 LPA)	06-03-20
4	Nishant Lokhande-84	Placement	Selected in Adani Power (4.4 LPA) OFF CAMPUS	27-02-20
5	Utkarsha Karale-17	Placement	Selected in JSW (5.57 LPA)	26-02-20
6	Ayushi Malewar-16	Placement	Selected in Epiroc (7.07 LPA)	2-01-20
7	Abhishek Tripathi-25	Placement	Selected in Wipro Water (4LPA)	26-02-20
8	Pranjali Dhoble - 7	Placement	Selected in AVEVA (5.5 LPA)	22-01-20
9	Mahesh Chandak-82	Placement	Selected in JSW (5.57 LPA)	26-02-20
10	Yash Kothari -69	Placement	Selected in JSW (5.57 LPA)	26-02-20
11	Akash Dhote-79	Placement	Selected in JSW (5.57 LPA)	26-02-20
12	Divyanshu Chadda	IIT Bombay Robo Archery	Second position	5 th January 2020
13	Ashwesh Alone			
14	Harsh Banayat			
15	Ankit Kumar			
16	Aniket Lanjewar			
17	Bhushan Paliwal			
18	Ayush Patil			
19	Rohini Deshmukh			
20	Shivani Mishra			
21	Shreya Khode			
22	Abhishek Bhagat	GATE	Qualified with Score of 379	Feb 2020
23	Akhilesh Pyaskar	GATE	Qualified with Score of 358	Feb 2020
24	Atharva Sawargaonkar	GATE	Qualified with Score of 417	Feb 2020
25	Ayushi Malewar	GATE	Qualified with Score of 370	Feb 2020
26	Ram Hage	GATE	Qualified with Score of 396	Feb 2020
27	Rohan Srivastava	GATE	Qualified with Score of 417	Feb 2020
28	Sagar Rothe	GATE	Qualified with Score of 430	Feb 2020
29	Yash Katey	GATE	Qualified with Score of 324	Feb 2020
30	Jaideep Mor	GATE	Qualified with Score of 319	Feb 2020
31	Antara Wajpe	IIT-JAM	Qualified with Score of 623	Feb 2020

Department of Electronics and Communication Engineering

Faculty Corner Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal/Conference/Book	Date of Conference/Publication	ISSN / ISBN	DOI, vol., Iss., pp	SCI/ Scopus /ICI / Other (index)
1.	Dr. Sanket B. Kasturiwala	Image super resolution technique: A novel approach for leaf diseased problems	Intelligent Decision Technologies	Feb 2020	ISSN 1872-49	DOI 10.3233/IDT-190075 Vol. 14 (2020) Page 9–19	Web of Science / E-SCI
2.	Dr. Sanket B. Kasturiwala	Insect Detection using Image Processing and IoT	International Journal Of Advanced Research Trends In Engineering And Technology	April 2020	ISSN - 2394-3785	Vol. 7, Issue 4	ICI
3.	Dr. Bhumika Neole	A survey on cross layer framework based energy efficient routing protocols of manets	International Journal of Future Generation Communication and Networking	Feb-March 2020	ISSN : 2233-7857	Vol 13, No. 1, pp. 1125-1135	eSCI/ Web of Science
3.	Prof. Ankita Harkare	Methodology for Implementation of Building Management System using IoT	International Conference on Evolutionary Computing and Mobile Sustainable Networks (ICECMSN 2020)	20-21, Feb 2020	-	-	Scopus
4.	Prof. J.D. Kene	Channel Estimation Technique for High Speed Wireless Data Communication in Noisy Environment	International Journal of Future Generation Communication and Networking	Feb-March 2020	ISSN : 2233-7857	Vol 13, No. 1, pp. 1106-1112	eSCI/ Web of Science

5.	Dr. Pradip Selokar	Navigation AID for Blind People	International Journal of Advance Research and Innovative Ideas in Education	March , 2020	ISSN (O): 2395-4396	Vol. -6, Issue-2, 2020	ICI
6.	Dr. Pradip Selokar	Accident Averting System				Vol. -6, Issue-1, 2020	
7.	Prof. Suvarna Gosavi	Chatbot for IT Industry				Vol. -6, Issue-2, 2020	
8.	Prof. N. M. Borkar	Location based remote ECG monitoring system				Vol. -6, Issue-2, 2020	
9.	Dr. S. B. Pokle	Design of Wirelessly Controlled Motion Robot for Disaster Search and Rescue Management	International Journal of Communication Engineering and its Innovations	Jan-April-2020	doi.org/10.5281/zenodo.3753290	Vol. -6, Issue-1, 2020	-
10.	Dr. S. B. Pokle	Developing Wireless Video Surveillance	International Journal of Advance	March , 2020	ISSN (O):		ICI

Faculty Achievements

1. Dr. Sanjay Pokle worked as a Professor In charge Pratishruti-2020, a college level Cultural festival, which was conducted successfully between 5th February to 7th February 2020.
2. Dr. Sanjay Pokle published an Article titled, “ 5G Technology - A Future Trend and Challenges”, in College level Magazine COLESSEUM-2020, Published by Semicolon Tech Club IT dept. RCOEM, Nagpur in February 2020.
3. Dr. Sanjay Pokle attended Ph.D. Progress seminars as Research Advisory Committee Member appointed by RTM Nagpur University at PITE Nagpur center on 10 February-2020

Departmental Activities

RCOEM-Internal Smart India Hackathon 2020

Electronics and Communication Engineering department conducted RCOEM-internal SIH2020 on 18th Jan 2020 for hardware category. There were 11 teams participated for screening their ideas and presentation in front of juries. Mr. Manish Sanghavi , executive director Sanghavi group of Industries, Butibori MIDC, Mr. Abhay Deshpande, director SSG Embedded Solutions Nagpur and Dr. S S Limaye, former Principal, RCOEM were members of jury panel. The selection of best two teams and two waiting teams

were finalize in the presence of internal faculty experts Prof. P A Dwaramwar and Dr. R B Raut. The event was coordinated by V S Lande as SPOC, RCOEM- Internal SIH2020.

Industrial Visits

1. Industrial Visit at MGIRI

Industrial visit was organized at Mahatma Gandhi Institute for Rural Industrialization (MGIRI), Wardha on 3rd Feb 2020 for 2nd year students. Around 80 students along Dr. D. Dahigaonkar, Prof. P. Deshpande, Prof. P. Agrawal and Prof. S. Gosavi visited Industry.



2. Industrial Visit at Lokmat Solar Power Plant

Industrial visit was organized at Lokmat Solar Power Plant, Butibori, Nagpur on 6th March 2020 for 3rd year students of EC department. Around 70 students along Dr. B. Neole, Dr. P. Selokar, Prof. D. Shrivastav, and Prof. A. Jaiswal visited Industry.



Parents Meet, Alumni Meet and Departmental Installations or Events



HOD EC interacted with parents

Department of Electronics and Communication Engineering organized a Parent-Teacher Meeting for the session 2020-21 (Even Semester) on **18th January 2020**. Parent-Teacher Meeting coordinator welcomed the parents and emphasized on the need of developing an enhanced communication between parents and faculty to serve as a bridge in fulfilling expectation of parents and students. Dr. R. B. Raut, HOD EC addressed the gathering conversing about the happenings and recent developments in the department. A brief review of the various activities related to student placements, student counseling, extra-curricular activities in the department and student achievements formed a significant segment of this

discussion. Parents were also made aware about the modifications in academics and exam rules, guidelines and provisions of the college by the HOD during the interaction. The existing opportunities for the students to acquire incentive benefits were also deciphered during the meet. The enthusiastic parents showed keen interest in the meeting. Parents disclosed their satisfaction regarding the culture and atmosphere prevailing in the department and talked about their queries related to the academics and personal growth of their ward.

Conference, STTP and Guest Lectures organized in Department

S. No.	Conference/STTP/Guest Lecture organized	Speaker (with Affiliation)	Topic of Guest Lecture	Duration	Date
1.	Guest Lecture	Dr. Biswajeet Mukherjee, Assistant Professor, IIIT Jabalpur	Antenna Arrays and Practical Antennas	2 Hrs.	2 nd March, 2020
2.	Guest Lecture	Mr. Manohar Badge, BSNL, Nagpur	Practical Aspects of Wireless Communication	2 Hrs.	30 th Jan. 2020
3.	Guest Lecture	Mrs. Pallavi Durugkar, Embedded Design Engineer, Hum Aspen Wellness, Pvt, Ltd.	Advanced Wireless Communication	2 Hrs.	28 th Feb 2020



Dr. Biswajeet Mukherjee delivered a guest lecture



Mr. Manohar Badge delivered a guest lecture

Co-Teaching (Industry Institute Interaction)

Sr. No.	Name of the Industry expert	Designation of affiliation	Topic	Name of the course	Number of lectures conducted	Date/Duration
1.	Er. Brajesh Kumar Kanaujiya	Scientist C, Regional Metrological Center, Airport, Nagpur.	Radar Receiver Antenna	Microwave Engineering (ECT 408)	02	3 rd March 2020
2.	Mr. Manohar Badge	SDE (RF Mobile) BSNL Nagpur.	GSM Technology (Unit-V)	Wireless Communication (ECT-407)	08	Feb-March 2020
3.	Pallavi Dahikar	Embedded Design Engineer, Hum Aspen Wellness Pvt. Ltd, Nagpur	Broadband and Multistage Amplifiers	RF Circuit Design (ECT-410-2)	02	9 th March 2020
4.	Mr. Sameer Khare	BSNL, Nagpur	GSM Technology	Wireless Communication (ECT-407)	08	Feb-March 2020



Er. Brajesh Kumar Kanaujiya delivering a lecture



Mr. Manohar Badge delivering a lecture



Ms. Pallavi Dahikar delivering a lecture



Mr. Sameer Khare delivering a lecture

Students' Corner

In Interdepartmental tournaments of RCOEM, Department of Electronics and Communication Engineering stood 1st in Branch cup, Music Cup, Girls sports Cup and Photography Cup also 2nd position in Technical Cup And 3rd in Drama Cup and Boys Sports cup. So, Department of Electronics and Communication Engineering won Branch Cup of session 2019-2020.



Department of Electronics Design Technology

Faculty Corner :

Prof. (Mrs.) Anju Gupta and Prof. Jitendra Zalke has attended two day training program on "MEMS-CAD Tool (Intellisuite) organized by Centre for Microsystems, Department of Electronics Engineering during 28-29/01/2020.

conducted by Mr. Kushal Lakhani, Alumni RCOEM (2008 Batch) and Head, Abridge Edu Corp., Nagpur from 23/01/2020 to 01/03/2020.

Workshop Organized :

Department of Electronics Design Technology and Electronics Engineering jointly organized 40 hours training session on "Aptitude Development" for VI semester EN /EDT students. These sessions were



ALUMNI INTERACTION :

An interaction with the alumni was organized by the Department of Electronics Design Technology on Friday 31/01/2020 in the EN Seminar Hall. An alumnus of EDT Mr. Anurag Agrawal (Director, Siemens, Asia pacific region) was invited for this session. Mr. Anurag Agrawal is currently working in Siemens company in IoT (internet of things) domain in Singapore. The session was conducted for the students to introduce and brief them about the one of the most popular and most demanded technologies in the world i.e. "Internet of Things". During his talk he mainly discussed about industry 4.0, industrial internet of things (IIOT), cloud computing , cognitive computing and artificial intelligence, the various IoT platforms that are available and briefed about the Siemens very own platform mind sphere. It was an interactive session in which students asked their queries freely and Mr. Anurag Agrawal answered all the queries.



**Mr. Anurag Agrawal interacting with the students.
Industry Visit at CEAT Tyres Nagpur**

Industrial visit to "CEAT TYRES LIMITED" Butibori, Nagpur was organized by department of Electronics Design Technology on 24/1/2020 for 6th semester students and on, 11/2/2020 for 4th semester students. Dr. J.A.Shrawankar , Dr.(Mrs) Deepali Kotambkar , Prof. Zitendra Zalke , Prof (Mrs.) Anju Gupta and Prof. R.V.Nandanwar visited CEAT Limited along with the students.

After reaching the location at 11.00 am the students were guided about rules and regulations which were to be followed during the visit and were instructed to follow the safety rules. Presentation was given regarding the latest advancements which is in practice related to the Puncture less Tyre' production.

Mr. Ashar and Ms Pratibha accompanied the students

for the plant visit. The production was in process and therefore the students could understand all the processes like production of tread layer, ply1, ply2, inner liner, bead which consists of copper to strengthen the tyre. Bead is in direct contact with the rim of the vehicle. All the materials are collected and stitched by the machine. Then it is put in a pressure machine to give a shape and tread layer is designed for gripping between the road and tyre. After this manual inspection is done to check whether unwanted material is not present and no cracks are there in the tyre, and then computerized inspection is done to check the alignment of the tyre which is then further send to the storage room. It was a great learning experience.



**Industry Visit for 6th Semester at CEAT tyres,
Butibori on 24/1/2020**



EDT Students and faculty along with CEAT staff

Electronics Design Premier League (edpl):

Electronics Design Premier League was organized by the Genesis Student Society of Department of Electronics Design Technology on 9th February 2020 (Sunday). There were 6 teams which were playing against each other for the EDPL cup. The 6 teams included New Target, Power Hitter, Sky Force, Black Thunder, Justice Squad, Epic Blaster. The players of each team were chosen by conduction of an auction. On the match day, 4 teams (New Target, Sky Force, Black Thunder, Epic Blaster) qualified for the semi-finals and from the semi-finals 2 teams got qualified to play the finals of EDPL and those 2 teams were New Target and Epic Blaster. At last in the finals New Target defeated Epic Blaster and won the title of EDPL. It was a great experience for all the GENESIS students' office bearers.



Electronics Design Premier League –Cricket tournament participants on 9/2/2020

Department of Electronics Engineering

Faculty Corner

Guest Lectures taken by faculty

Sr.No	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
1	Dr. Suresh Balpande	Motor Health monitoring using MEMS	6/02/2020	Ordnance Factory, Nagpur

Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal/Conference / Book	Date of Conference / Publication	ISSN/ ISBN	DOI, vol., Iss., pp	SCI/ Scopus/ ICI / Other (index)
1	Manisha Das, Dr. Aleefia Khurshid	Image Processing to Quantitate Haemoglobin Level for Diagnostic Support	Helix: The Scientific Explorer	February 2020	print: 2277-3495 Electronic: 2319-5592,		WOS
2	Paramjit Shankar prasad Riya Mohan, Rushibha Adlak, Poorvi Joshi	Virtual Tele - presence Surveillance Vehicle	TEST: Engineering and Management,	January-February 2020	ISSN: 0193-4120	Vol -82, p:7838-7843	Scopus
3	Shubham C. Anjankar, Sandeep kumar R. Pandey, Noopoor Misal, Dr. Parag Jawarkar Jitendra Zalke	Vehicle Monitoring System Based on Internet of Things (IoT) for Smart Cities	Helix: The Scientific Explorer	February 2020	print: 2277-3495 Electronic: 2319-5592		WOS

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)
4	Prachi Rane Smita Daware	in OFDM System using Compressive Sensing Framework: A Review	Helix: The Scientific Explorer	February 2020	print: 2277-3495 Electronic: 2319-5592		WOS
5	Kanchan Dhote Kartik Ingole	Implementation and Analysis of Wifi VOIP using Raspberry pi	TEST: Engineering and Management	January-February 2020	ISSN: 0193-4120	Vol-82, p:6370-6372	Scopus
6	Sheetal Singh Aaditya Kasbekar, Aneesh Deshpande, Shreevats Gadhikar, Dr.Kanchan Dhote	Health Monitoring of Bridges using Wireless Sensor Nodes	TEST: Engineering and Management	January-February 2020	ISSN: 0193-4120	Vol-82, p:7781-7784	Scopus

STTP/FDP/other Training Attended by Faculty

S.No.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1	Prof. Smita Daware	Two day training program on "MEMS-CAD Tool (Intellisuite)" by Mr. Shripadraja K, Director, MEMS Technology Services, IntelliSense	28/01/2020 to 29/01/2020.	RCOEM
2	Prof. Poorvi Joshi			
3	Prof. Shubham Anjankar			
4	Dr. Suresh Balpande	AICTE (QIP) sponsored short term course on Biomedical Applications of Adaptive Manufacturing using Medical Image Processing (BAAM-MIP)	7/3/2020-11/3/2020	PDPM Indian Institute of Information Technology ,Design and Manufacturing, Jabalpur

Departmental Activities

Conference, STTP and Guest Lectures organized in Department

S.No.	Conference/STTP/Guest Lecture organized	Speaker (with Affiliation)	Duration	Date
1	National Conference & Project Competition ENNOVATE	Dr. Sekar Bharadwaj ,Head HR & CSR, JSW Steel, Kalmeshwar Plant	1 day	7 th March 2020
2		Mr. Ramdassan Nair , Ex. Assistant Manager-Electrical, JSW Steel,		

Students' Corner

ENTRIX-2020

Electronics Engineering Students Society "ELECTROLITZ" organized a seven days technical workshop "ENTRIX". During the workshop different learning modules from diverse fields like Electronics Engineering, Image Processing, Prototyping and Virtual System Modelling, Embedded System Design, Internet of Things and Mechatronics were covered. Student for various E-streams participated in large numbers. The participant were mentored by Final and Third year students of Electronics Department. They were engaged in laboratory session with focus on hands-on learning on the above modules. The experiential learning was encouraged by project implementation where the participants developed different projects based on the topics learn in the workshop under the supervision of their mentors.



Projects demonstrated during the Project Exhibition

Dr. Sekar Bharadwaj Head HR & CSR, JSW Steel, Kalmeshwar Plant was the chief guest for the function. Dr. R. S. Pande, Principal, RCOEM presided over the function. Dr. (Mrs.) A. A. Khurshid, Head of Electronics Engineering department and staff members of Electronics Engineering Department were prominently present.

More than 400 students from various colleges participated actively in Project and Paper Competition. The projects were evaluated by experts from industries and academia. Mr. Ramdassan Nair Ex. Assistant Manager-Electrical, JSW Steel, Dr. Bhushan Joshi, Chairman-IETE, Nagpur Center, judged the innovative project models of the participants.

ENNOVATE-2020

National Conference & Project Competition ENNOVATE was organized on 7th March 2020. The conference was aim to provide a platform to undergraduate students for showcasing their knowledge in the form of project and technical papers. The projects and papers were based on the theme "Project to Product".



Release of Ennovate Proceedings

The student society Incharges and conveners of ENNOVATE 2020, Prof. Vishal Rathee and Prof. Snehal Laddha, along with the staff members of Electronics Engineering Department played a stellar role for the successful organization of event. Mr. Saurabh Tripathi, Mr. Rohan Khardenavis, student Incharge and their team took great efforts for the successful conduction of the event.



Participants with Ennovate 2020 Team

Any other activity (s) :

In view of campus placement of 2021 batch, a 40 hour "Aptitude development workshop" was organized from on 23/01/2020 for VI Semester EN/EDT students. The workshop was conducted by Mr. Kushal Lakhani Director, Abridge Educorp. Nagpur. The online platform for the various test and access to the video lectures was provided to students

Department of Industrial Engineering

Faculty Corner

Awards Received by faculty of Department

1. Prof. Himanshu Shukla and Prof. Mangesh Joshi got certificate of appreciation in "Teacher's Innovation Award under Zero Investment Innovation for Education Initiatives" for implementation of idea entitled "Systematic Career Advising & Reinforcement Framework-SCARF" in two schools of Nagpur.

2. Prof. Mangesh Joshi and Prof. Himanshu Shukla got certificate of appreciation in "Teacher's Innovation Award under Zero Investment Innovation for Education Initiatives" for implementation of idea entitled "Systematic creative improvements in various activities of school" in two schools of Nagpur.

Guest Lectures taken by faculty

Sr. No.	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
1	Dr. Rashmi Shahu	GD and Personal Interview	10/02/2020	Jhulelal institute of tehnology, Nagpur
2	Dr.Pravin Tambe	Overview of Matlab	03/03/2020	Department of Mechanical Engineering, RCOEM
3	Dr.D.R.Zanwar	Metaheuristics for Optimization	03/03/2020	
		ANN, RSM & MLR (Hands on session with Matlab/ SPSS) ANN=Artificial Neural Networks RSM= Response surface methodology	05/03/2020	
4	Dr.Yogesh Deshpande	Design of Experiments (DOE) and its applications	03/03/2020	Govt. Polytechnic,Nagpur
5	Dr. I. P.Keswani	Taguchi	06/03/2020	
6	Prof. Himanshu Shukla	Entrepreneurship Development and Start ups	29/02/2020	Priyadarshini Bhagwati College of Engineering, Nagpur
7	Prof. Himanshu Shukla	Introduction to Industrial productivity improvement Techniques	27/02/2020	

Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal/Conference/Book	Date of Conference/Publication	ISSN/ISBN	DOI, vol., Iss., pp	SCI/Scopus/CI/Other (index)
1	Prof. Sachin S. Pund	Evaluation and Optimization of Route Network Using AHP	Journal of TEST Engineering & Management	Feb 2020	ISSN: 0193 – 4120	Page Number: 7550-7559 Vol 82: Jan/Feb 2020	SCOPUS
2	Prof. Sachin S. Pund	An Improved Heuristic Approach towards Plant Layout Optimization	Journal of TEST Engineering & Management	Feb 2020	ISSN: 0193 – 4120	Page Number: 7785-7799 Vol 82: Jan/Feb 2020	SCOPUS
3	Dr. Priya Khandekar	Attended and presented a research paper “Tool Condition Prediction Using Acoustic Signal Processing and Learning Based Methods”	International; Conference on Advances in Mechanical Engineering (ICAME-2020)	Jan 2020			
4	Dr. Priya Khandekar	Attended and presented a research paper “Application of Neural Network and HMM for Programming by Demonstration Approach”	International; Conference on Advances in Mechanical Engineering (ICAME-2020)	Jan 2020			

Departmental Activities

IIIE Foundation Day

Nagpur Chapter Organized the foundation day Program on Wednesday, 26th February 2020 at 7.00 pm at Maharaj Club Civil Lines, Amravati Road Nagpur. The theme of IIIE HQ for this year is “Cyber Security”. Dr. Rizwan Ahmad, was invited as the Chief Guest of the Function. He is CTO, Delaplex, independent Cyber security and individual Forensic Expert. He delivered Keynote speech on Cyber security.



- Installation ceremony was organized on Tuesday 04th Feb 2020, Dr. A.M. Kuthe (Professor) from VNIT; Nagpur was invited as a chief guest for the Program. He delivered Keynote speech on Cyber security and Industry 4.0.



- Parent Meet
- Parent Teacher Meet was organized on 25th Jan 2020 for IV, VI and VIII semester. The academic performance in Test1, student's attendance and their performance in extra and co-curricular activities was discussed. The scheme of Industrial engineering and opportunities for higher study and internship programs was also discussed. More than 30 parents attended the meeting. They were very happy to interact with the faculty of industrial engineering



Industrial Engineering Department Inter Branch Achievements

The Industrial Engineering Department participated in various inter-branch events and cups for the Branch Cup

league 2019-20. The various cups that were organised by the Student's Representative Council included Sports Cup, Literary Cup, Dance Cup, Drama Cup, Technical Cup, Placement Cup and Photography Cup. Showing an extraordinary group spirit and using their skill set to the utmost possible, the students of Industrial Engineering Literary Team bagged the Literary Cup for the first time, creating history. With frolicking moves and passion for photography, the students also stood as second runners up in both Dance and Photography Cup. The sports cup, being the longest contest amongst all the cups also bought laurels to the department. Industrial Engineering students won the Boys Cup and Athletics Cup. The Branch secured first place in Cricket and Badminton and were runners ups in Basketball, Volleyball and Table Tennis event.



Guest Lecture on “Value Engineering”

Mr. Nitin Gawhane ,Theyssenkrupp India Pvt. Ltd Pune had an informative interaction with students of third year industrial engineering on recent trends in Value engineering on 29th January 2020.



Students’ Corner Student Achievements

SNo.	Name of Student	Event	Achievement	Date
1	Amruta Adbe	GATE Qualified	AIR 211	
2	Yash Jaiswal	Basketball Inter-collegiate tournament, Nagpur university	Third place	
3	Final year <ul style="list-style-type: none"> Yash Jaiswal Vikram Khanzode Justin Joseph Yash khandwani 3rd year <ul style="list-style-type: none"> Palash Deshpande Abhiram pande 2nd year <ul style="list-style-type: none"> Nishit Malkan Tegveer Singh Puni Pratik Dholakia Shubhankar Herwadkar 	inter-dept. basketball championship	Second place	Jan 2020
4	Yash Jaiswal	Received outstanding performer in academics certificate in Pratishruti	1 st Position	
5	<ul style="list-style-type: none"> Justin Joseph Bhushan Agrawal 	Course on Topic “E - Business” conducted by NPTEL Online certification.	Completed	
6	<ul style="list-style-type: none"> Justin Joseph Bhushan Agrawal 	Nureka 2019” organized by RCOEM	1 st Position	19 TH SEPT – 20 TH SEPT 2019.
7	Justin Joseph	Knock Out in “Nureka 2019” organized by RCOEM	1 st Position	19 TH SEPT – 20 TH SEPT 2019
8	<ul style="list-style-type: none"> Tanmay wasu Ved Tare 	C training organized by IIT Bombay	Completed	Dec 2019
9	Tanmay Wasu	Internship at “My Captain”	Completed	1 st Jan 2020 to 31 st Jan 2020

10	<ul style="list-style-type: none"> Sarang Jaiswal Rucha Toal 	Attended Indian Youth Conclave 4.0	Participated	25 and 26 th Jan 2020
11	<ul style="list-style-type: none"> Tejas Dhote Ved Tare 	SAE India	Participated	Jan 2020
12	Rucha Toal	Artificial Intelligence Workshop organized by IIT Bombay	Attended	Jan 2020
13	Sudhanshu Ayer	Yuvarang organized by RTMNU	Participated	24 and 25 Feb 2020
14	Sudhanshu Ayer	Online course on python Programming	Completed	March 2020
15	Shivani Mundhrikar	400 m Relay	Participated	Jan 2020
16	Aryaa Joshi	Intercollegiate Youth Festival organized by RTMNU	1 st Position	26-27 Feb 2020
17	Aryaa Joshi	Vibrato organized by RCOEM	Participated	Feb 2020
18	Neusy Jain	“Let’s nacho“ event in Anannya 2020	1 st Position	Feb 2020
19	Neusy Jain	“To the beat “event organized by IITM.	2 nd Position	23 rd and 24 th February 2020
20	Neusy Jain	Relay of Athletics meet 2020	3 rd Position	January 2020
21	Neusy Jain	100 m and 200 m Shot put in Athletics Meet 2020	Participated	January 2020
22	Neusy Jain	Footsteps organized by RCOEM, Nagpur	2 nd Position	Feb 2020
23	Neusy Jain	Mood Indigo organized by IIT Bombay	Participated	Dec 2019
24	Shilpi Das	Gate Qualified	AIR 240	

Department of Information Technology

Faculty Corner

Awards received by Faculty of department:

- Dr. P.D. Adane was felicitated by RCOEM during Pratishruti for her excellent performance in NPTEL course “Operating Systems”.
- Prof. P. J. Assudani was felicitated by RCOEM during Pratishruti for conducting AWS Practitioner and Architect Associate training for students of RCOEM by which the students cleared the respective certification exam from Amazon Web Services in first attempt. He was also felicitated for being an AWS Certified Trainer and AWS Certified Solutions Architect Professional and Associate.
- Prof Rakesh Kadu successfully completed RedHat Certified System Administrator (RHCSA) certification Examination.
- Prof. P. J. Assudani conducted two days’ workshop on “Cloud Computing and AWS Platform” during “COLOSSEUM-20” – A national level technical symposium, under Semicolon Tech Club (STC) of RCOEM during 28-29 February 2020. The event saw overwhelming participations from many colleges across the region.

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	D.S.Adane	Monitor and detect suspicious transactions with database forensics and Dempster-Shafer theory of evidence	International Journal of Electronic Security and Digital Forensics	12 th Mar 2020.		DOI: 10.1504/IJESDF.2020.106302, 2020 Vol.12 No.2, Pages 154-173	Scopus, ESCI
2	Ashish Chandak	Stock Market Predict or using Long short-term Memory(LSTM) Technique	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	February 2020	2278-3075	Volume -9 Issue-4	Scopus
3	Rohini H. Joshi	An Efficient way to detect and remove shadows based on multiple light sources		January 2020		Volume -9 Issue-3, January 2020, Page 2409-2412.	
4	Rohini H. Joshi	Prediction of Soccer Matches using Machine Learning'		February 2020		Volume -9 Issue-4, February 2020, Page No. 873 - 877.	

STTP/FDP/Other Training Attended by Faculty

SNo.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1	Prof. R. K. Kadu	RedHat8.0 Linux operating system	06-01-2020 to 17-01-2020	COSS, Bangalore
2	Prof. P.J. Assudani	Basics of CloudSim	15-02-2020 to 30-03-2020	Udemy
3	Prof. A. R. Karare	AWS Fundamentals : Going Cloud-Native	30-03-2020 to 18-04-2020	Coursera
4	Prof. A. R. Karare	Introduction to Data Science in Python	30-03-2020 to 20-04-2020	Coursera
5	Prof. A. R. Karare	Python 101 for Data Science	30-03-2020 to 01-04-2020	Cognitive Class by IBM
6	Prof. A. R. Karare	Machine Learning with Python	30-03-2020 to 04-04-2020	Cognitive Class by IBM
7	Prof. A. R. Karare	AICTE Training and Learning Academy FDP on Artificial Intelligence	13-04-2020 to 17-04 2020	FDP on Artificial Intelligence organized by III T, Nagpur AICTE -ATAL

Departmental Activities

Parents Meet, Alumni Meet and Departmental Installations or Events

Information Technology department conducted the mega event “COLOSSEUM-20” – A national level technical symposium, under Semicolon Tech Club (STC) of RCOEM during 28-29 February, 2020. Mr. Satin Katiyar, CEO, Kritin Software Solution, was the Chief Guest for the inaugural function. The event spanning two days consists of different competitions like HUMAN FOOSBALL, EXPRESSO (Public Speaking), ESCAPE ROOM, CICADA3301, MAD ANGLES.PICASO etc. Prof. P. J. Assudani conducted two days’ workshop on “Cloud Computing and AWS Platform” during 28-29 February 2020. The event saw overwhelming participations from many colleges across the region.



The Parent Teachers meet was organized by the Department of Information Technology on 18th January, 2020 for IV, VI and VIII semester IT. The academic Performance of the students was discussed with the Parents. Handouts were provided that highlighted the achievements of the students and the staff and the activities organized by the Department. Dr. D. S. Adane, Head of the Department met with the parents and took their feedback and suggestions for overall improvement.



Conference, STTP and Guest Lectures organized in Department

SNo.	Conference/STTP/Guest Lecture organized	Speaker (with Affiliation)	Duration	Date
01	Guest Lecture on “Aptitude Development” for VI Semester IT students	Mr.Kushal Lakhani	Two hours	04-01-2020
02	Guest Lecture on “Higher Education” for IV Semester IT students	Mr.Akash Singh, Krishna Consultancy, Nagpur	Two hours	04-01-2020
03	Guest Lecture on “Higher Education” for IV Semester IT students	Mr. Ajay Paigwar, Career Launcher, Nagpur	Two hours	25-01-2020
04	Workshop on “Android App Development”	Mr.Mayur Jajoo, Global Logic, Nagpur	Four hours	07-03-2020

Students' Corner

Student Achievements

SNo.	Name of Student	Event	Achievement
1.	Mukta Joshi	Hacksagon-2020 conducted by IITs	Cleared Second Round (Software Category)
2.	Mohit Ganorkar	Hacksagon-2020 conducted by IITs	Cleared Second Round (Hardware Category)

Beyond Academics :

- 94.20% of 2019-20 Batch, eligible IT students got placed through campus drive till 31st March 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 65 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 (Hack with Infy)	2
7	Accenture FSE	6
8	L&T Infotech	23
9	TCS Ninja	14
10	Cybage	2
11	Climber	1
12	Hexaware	1
13	IBM	2
14	Jade Global	3
15	Mphasis	2
16	Informatica	1
17	BirlaSoft	1
18	Cognizant	2
Total Number of Offers		136

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

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

Department of Mechanical Engineering

Faculty Corner

Awards received by Faculty of department

•Prof Tushar M. Sathe was awarded Best Paper Award for the paper titled “Numerical Investigations of Photovoltaic Phase Change Materials system with Different Inclination Angles” at International Conference on Advance in Mechanical

Engineering (ICAME-2020) organised by Visvesvaraya National Institute of Technology, Nagpur on 10th to 11th January 2020.

S N	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	V. V. Shukla, P. V. Sawalakhe, M. G. Trivedi, N. P. Gudadhe	Data Analytics in Master Cam Setup Sheet for Improved Manufacturing	International Journal of Engineering and Advanced Technology (IJEAT)	February 2020	2249 – 8958	10.35940/ijeat.C5033.029320	Scopus
2	V. V. Shukla, P. V. Sawalakhe, M. G. Trivedi, N. P. Gudadhe	Experimental Research and Optimization of Cutting Parameters for High Speed Machining	International Journal of Engineering and Advanced Technology (IJEAT)	February 2020	2249 – 8958	10.35940/ijeat.C5033.029320	Scopus
3	Tushar M. Sathe	Numerical investigations of Photovoltaic phase change material system with different inclination angles	International Conference on Advances in Mechanical Engineering (ICAME-2020)	10 th - 11 th January 2020			Scopus
4	Dr. Sandeep Joshi	Performance Analysis of Corrugated Inclined Basin Solar Distillation System Coupled with Parabolic Trough Collector'					
5	Dr. PRANJALI S. DEOLE	Tool Condition Prediction Using Acoustic Signal Processing & Learning Based Methods					
6	Dr. Alok Kumar Jha	Model Based Synchronized Control of a Dual Arm Robotic Manipulator					
7	Dr. Y. M. Sonkhaskar and Dr. G. R. Nikhade	Development of Briquette cum Pellet making Machine					

STTP/FDP/other Training Attended by Faculty

S.No.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1	All faculty members of Mechanical Engineering Department	One Week STTP on “Advanced Tools for Research in Mechanical Engineering”	02/03/2020 to 06/03/2020	Department of Mechanical Engineering, RCOEM, Nagpur

IPR Details :

1. Copyright Applications made by Prof. M. G. Trivedi and Mr. Shubham Oza

Copyright Title : Workbook of 3D Part Models Orthographic and Isometric Projection for Engineering Graphics and Design

Status: -APPLIED

2. Copyright Title: Exercise Book of 2D, 3D Parts, Surfacing, Assembly and Mechanism, CAM, Drafting Modules of Dassault Catia V5 Software along with teaching plan for Solid Modeling Coursework

Status: -APPLIED

3. Copyright Title: Exercise Book of 2D, 3D Parts, Surfacing, Assembly and Mechanism, CAM, Simulate and Drafting Modules of CREO Software along with teaching plan for Solid Modeling Coursework

Status: -APPLIED

4. Copyright Title: Exercise Book of 2D and 3D Part drawings for AutoCAD Software along with teaching plan for CAD Coursework

Status: -APPLIED

Departmental Activities

Parents Meet:

The Department of Mechanical Engineering arranged Parent-Teacher Meet on 18th January 2020 Saturday from 10:30 AM to 12:30 PM. for IV, VI, and VIII semester students and their parents. All the respective faculty members teaching to IV, VI, and VIII semester students were presents for the meet. The faculty members shared the **student attendance, academic records** and **progress** of the student with their parents.

- The meeting was chaired by Dr. M. M. Gupta, Professor and Head of Mechanical Engineering Department.
- Vision, Mission, Program Education Objectives (PEOs) and Program Outcomes (POs) of the department were discussed in detail followed by feedback and suggestions from the parents.
- In addition to the information about department, curriculum, students and faculty achievement etc. were shared with the parents.
- Parents of the students, who were found guilty of carrying cell phones, during the examinations, were called. They were informed about the misconduct of their wards.
- Total Nineteen parents actively participated for the meet, their feedback and suggestions are received and noted.

Following agenda was discussed :

1. Students' attendance.
2. Students' performance in Test 1 and Assignments.
3. Overall Performance of the students.
4. Students' achievements and information related to department.
5. Awareness of Vision. Mission, Program Education Objectives (PEO's) and Program Outcomes (PO's) of the department.
6. Feedback and Suggestions of parents.

The discussion was followed by parent's feedback and High Tea.

VORTECHX 2020

The Mechanical Department of the college organized the third edition of its biannual Students National Convention, VortechX 3.0, from 29th February 2020 to 02nd March 2020 at the College Campus. VortechX 3.0 consisted of various innovative technical workshops and events in the field of

Mechanical Engineering providing golden opportunity for learning and exploring emerging technologies for the students. The convention has become a very popular activity in the region and students from the various colleges have participated in it in large numbers. Manganese Ore India Ltd (MOIL), Western Coalfields Limited (WCL), Aeronautical Society of India (ASI) and RC Plasto were the sponsors.

The details of various workshops and events were as follows:

The vortechx started with an Aeromodeling Competition organised in association with Aeronautical society of India on 23rd February 2020 at Sports Complex, Mohali, Dorli.

The event began with felicitation of The Chief Guest R. Shrivastava, Group Caption Indian Air Force and secretary ASI, Nagpur. The event was followed by a spectacular aero-modelling show conducted by Fali P. Buxy, Instructor and Judge for the event, who showcased variety of different Remote Controlled (RC) aero-models. The participants came with RC Glider Plane, was aerodynamically sound and within the specified dimensions to achieve a successful flight. Performance was judged on the basis of 'Gliding Time' and 'Spot Landing'. A total of 13 teams from all across Nagpur participated in the competition which witnessed a huge footfall of enthusiastic students and youngsters.

Nitrox, was an event in which the participants were supposed to design IC RC Nitro Buggy which can race against other opponents on an off road dirt track. The event had got huge crowd gathering at the main ground of RCOEM.

The formal inauguration of VortechX 3.0 took place on 29th February 2020. On the same day various workshops were started at various venues in parallel. The first workshop was on CNC, which included: Basics of CNC by Dr. P S Deole, CNC Programming (8 Machining operations) by Prof. Mohan Trivedi, Hands-On Session on CNC Lathe by Mr. Mayur Patle Interactive Teaching session on 3D Printing (Slicing, etc.) and Live 3D Printer Demonstration By Dr. V V Shukla and Electric Discharge Machine Demonstration. Sohail Sheikh was the student coordinator for the workshop.

The second workshop was on Future Mobility E-Vehicle conducted by Prof B C Bissa along with expert from BMW India who explained about the advancement in vehicle technology with live demonstration on series 3 model of BMW. Abhishek Singh and Mahesh Inani, were the student

coordinator for the workshop.

Third workshop was on AUGMENTED REALITY Industry 4.0. The workshop included Architecture of Augmented Reality, various applications of Augmented Reality in Manufacturing Integration of Augmented reality (AR) & Internet of Things (IOT) in Remote Maintenance Augmented Reality in NDT . Innovative Teaching Learning method using Augmented Reality for the course of Engineering Graphics was demonstrated. Shikhar Chakravorty and Pawan Mantry were the student coordinators.

The last workshop was on ATMOGLACIER. The workshop included Basics of RAC Cooling load calculation, Ducting design, Advance trends in RAC, Hands on session on AC & Refrigerator were included. The day one started with field Plant visit at Mother's Dairy.

The other Events and competitions are -

1. Robo Arena : A Robotics competition
2. Project Demonstration
3. Jugaad: where participants had presented their unique Business ideas
4. Box Cricket a miniature version of cricket.
5. Dunk It and
6. Lan Gaming competitions.

In addition to the above technical events, two innovative events were organized Called Samvaad and Open Mic.

Samvaad was an event where four resource persons were invited, out of which three were the TEDx Speakers and One was the finalist of India's Got Talent Season 8

OpenMic was a live show at which audience members amateur or professional can perform, often for the first time on stage. Both the events got tremendous response and appreciation by all.

The valedictory function was organised on 2nd March 2020 at 3pm in the Industrial Seminar Hall. The function started with preface to Vortechx 2020 by Dr A K Jha. Dr K. N. Agrawal gave the best wishes to organizing team and all students for grand success of the event. The chief guest of the function Shri C.B.Atulkar, Executive Director (Technical) of MOIL, also encouraged students to work on live projects. The function ended with prize distribution to all the winners and certificate distribution was carried out after the formal function.

One Week STTP on “Advanced Tools for Research in Mechanical Engineering”

One week Short Term Training Program (STTP) on “Advanced tools for research in Mechanical Engineering” was recently organized in department of Mechanical Engineering at RCOEM, Nagpur from March 02-06, 2020. Over 40 academicians and research scholars from various nearby Engineering Institutions attended the program. The objective of STTP was to inculcate the advanced tools required in multidisciplinary engineering research. Eminent researchers like Dr. A. M. Kuthe and Dr. A. B. Andhare from VNIT, Nagpur and Dr. J. P. Giri, delivered theoretical and practical sessions of the program. A Short Term Training Program (STTP) on “Advanced tools for research in Mechanical Engineering” was carried out.

Prof. S.R. Kulkarni, presented the opening session of the STTP with an introductory overview of Research Methodology and a briefing about the journey of research. In Afternoon, Dr. V.V. Shukla conducted demonstration session on “Digital Manufacturing & 3D Printer”. Finally Dr. Y. M. Sonkhaskar concluded Day 1 with session on Mathematical Modelling.

On the 2nd day, Dr. Y. V. Deshpande presented a session on “DOE & its applications” emphasizing on basics of DOE and its application in the field of research. Dr. P. P. Tambe ended up morning session with “Overview of

MATLAB”. In afternoon, Dr. S.S. Joshi conducted session on “Scientific Literature Review & Research Paper writing”. Finally Dr. P. S. Deole concluded Day 2 with session on “Learning based method in condition monitoring”. Dr. A. M. Kuthe from VNIT, Nagpur, on the 3rd day, presented session on “Product Development”. Dr. J. P. Giri conducted theoretical session in morning and concluded Day 3 in the evening with hands on training session on “Optimization in Manufacturing”. Dr. G. R. Nikhade delivered session on “Finite Element Method” on the 4th day of STTP. Dr. D. R. Zanwar conducted theoretical session in morning and concluded Day 4 in the evening with hands on training session on “Metaheuristics for Optimization”, covering the research tools like ANN, RSM, MLR, GA, SA, PSO and ACO. On the concluding i.e. 5th day of STTP, Dr. A. B. Andhare, Associate Professor, VNIT, Nagpur presented session on “Machining of super alloys”. Thereafter, Dr. I. P. Keswani conducted session on “Taguchi”. Then the last session of STTP by Dr. P. R. Gandhi on “Intellectual Property Rights” was delivered. Finally the STTP was concluded with Feedback from participants and Certificate Distribution.

Dr. V. V. Shukla and Dr. P. V. Sawalakhe coordinated the program. Head of the Department, Mechanical. Engineering. Dr. M. M. Gupta, Dr. K. N. Agrawal and Principal Dr. R.S. Pande appreciated and congratulated the participants and organizing team.

Conference, STTP and Guest Lectures organized in Department

SNo.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
01	One Week STTP on “Advanced Tools for Research in Mechanical Engineering” organised by Dr. V. V. Shukla and Dr. P. V. Sawalakhe	Prof. S.R. Kulkarni, Dr. V.V. Shukla, Dr. Y. M. Sonkhaskar, Dr. Y. V. Deshpande, Dr. P. P. Tambe, Dr. S.S. Joshi, Dr. P. S. Deole, Dr. G. R. Nikhade, Dr. D. R. Zanwar, Dr. I. P. Keswani of RCOEM, Nagpur Dr. A. M. Kuthe and Dr. A. B. Andhare from VNIT, Nagpur, Dr. J. P. Giri, YCCE, Nagpur,	One Week	02/03/2020 to 06/03/2020

02	Guest Lecture on Career Opportunities for Engineers in CAE Field Money organised by Prof S. R. Kulkarni	Mr Rajat Raj Vershney, CAE Engineer, L & T Baroda	One Hour	11.02.2020
03	Guest Lecture on Save Fuel & Save Money organised by Prof S. R. Kulkarni	Mr. Pramod Nichat, Faculty PCRA Nagpur	One Hour	13.02.2020
04	Five Days workshop on R programming organised by Prof. M G Trivedi	Prof. Ajay Karare, Asst. Prof. IT Dept RCOEM, Nagpur	Five Days	10 th Feb to 15 th Feb 2020

Students' Corner

Student Achievements

SNo.	Name of Student	Event	Achievement	Date
1	Rohit Joshi	Techfest IIT Bombay, Cozmo clench	Second Prize	3rd-5 th Jan 2020
2	Rajat Gode	Vortechx 2020 Aeromodelling competition	Second Prize	23-Feb-20
3	Piyush Malvi	Udghosh Basketball	Second Prize	Jan-20
4	Mansi Gupta	YUVARANG 2020	Second Prize	25 th to 27 th February 2020
5	Mansi Gupta	ABHIVYAKTI 2020	Second Prize	22nd to 23 rd February 2020
6	Rishi Agrawal	RCOEM Athletics meet	Second Prize	30th January to 1st February 2020
7	Umang Chandarana	Techfest IITB 2020 Boeing National Aeromodelling Competition	Qualified the zonal	3rd to 5th January 2020
8	Rabiya Shabbir	Pratishruti 2020 Quizzleus – Duet	First Prize	04th Feb – 07th Feb 2020
9	Kshitij Pithwa	AXIS'20 Robocup	Second Prize	28th Feb to 1st March 2020
10	Kshitij Pithwa	Vortechx 3.0 Robo-arena	First Prize	29th February to 2nd March 2020
11	Shlok Somani	RCOEM ANNUAL ATHLETIC MEET 2020	Second Prize	Feb-20

Students in Higher Studies

Sr No	Name of the Student	University/ College	Examinations and Scores
01	Chinmay Andhare	Northwestern University, USA	GRE: 326/340; TOEFL: 116/120; GATE : 30.90/100
02	Falgun Bhelkar	T U Delft University, USA	GRE: 328/340
03	Sanshodhan S Shende	Ohio State University, USA	GRE: 319/340
04	Arjun Lakhapal	Symbiosis Institute of Business Management, Nagpur	SNAP2020: 91%

Department of Chemistry

Faculty Corner

STTP/FDP/other Training Attended by Faculty

SN	Name of Faculty	STTP/FDP/Training Attended	Duration/ Date	Organizers of the event
1	Dr. S. M. Meshram Oral presentation given entitled, "Synthesis and characterization of heterocyclic acid esters"	International conference on Advances in Physical, Chemical and Mathematical Sciences	Feb-13-16, 2020	Post graduate teaching department of Physics, Chemistry, Mathematics, Statistics, computer science of RTM Nagpur university, Nagpur.
2	Dr. C. P. Pandhurnekar Oral presentation given entitled, "Investigation of volumetric, acoustic and optical properties of aqueous binary mixture 2-isopropoxy ethanol at T=278.15, 288.15K." Poster Presentation, On topic, "Synthesis, Characterization and Biological Activities of Azetidin-2-one and Thiazolidin-4-one Derivatives"	International conference on Advances in Physical, Chemical and Mathematical Sciences	Feb-13-16, 2020	Post graduate teaching department of Physics, Chemistry, Mathematics, Statistics, computer science Statistics, co of RTM Nagpur university, Nagpur.

SN	Name of Faculty	STTP/FDP/Training Attended	Duration/ Date	Organizers of the event
3.	Dr. S. S. Butoliya Oral presentation given entitled, "Thermal degradation and kinetics of copolymer derived from 2, 4 dihydroxy benzophenone Melamine and Formaldehyde"	22 nd DAE-BRNS Workshop and Symposium on thermal Analysis(THERMANS- 2020)	January 28 th - Feb 01 st , 2020	Bhabha Atomic Research Centre, Mumbai
4	Dr. M. V. Joshi Oral presentation given entitled, "Chitosan Stabilised Iron Containing Nanoparticles For Photocatalytic Hydrogen Generation"	International conference on Advances in Physical, Chemical and Mathematical Sciences	Feb-13 th -16 th , 2020	Post graduate teaching department of Physics, Chemistry, Mathematics, Statistics, computer science of RTM Nagpur university, Nagpur.

Department Of Humanities

Faculty Corner

Guest Lectures taken by faculty

Sr. No.	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
1	Dr. V. H Asudani	Preparation for UPSC examination	10 th January 2020	JIT Nagpur
2	Dr. V. H Asudani	General	5 th February 2020	UGC HRD Centre
3	Dr. V. H. Asudani	Preparation for 10 th and 12 th Board examination	13 th February 2020	Mahatma Gandhi School, Nagpur.
4	Dr. V. H. Asudani	Stress management	7 th March 2020	Dinshaw's Factory, Nagpur.

Publications / Presentations

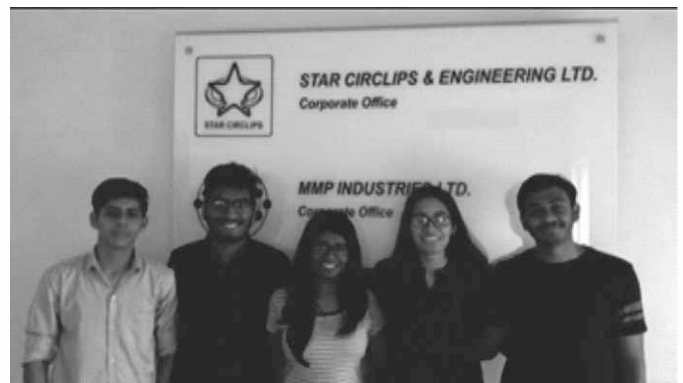
S N	Name of the Authors	Title of the Paper	Name of the Book/conference	Date of Publication	ISSN/IS BN	DOI, vol., Iss., pp	SCI/ Scopus/ ICI / Other (index)
1	Dr. V H Asudani	-----	Me too was there	January 2020	9789387 608245	----- -	--Nil----
2	Dr. V. H. Asudani and Dr. M. R. Seth	English translation of Inheritors of Fire	Second National Conference on "Communication in Academia and Workplace: A Soft Skills Perspective" organised by Department of Humanities and Social Sciences, VNIT, Nagpur	7 th and 8 th February 2020	-----	----- -	-----
3	Dr Asudani, Shraddha Sukhadeve and Nidhi Purohit	Presentation Skills under the light if APA Principles	Second National Conference on "Communication in Academia and Workplace: A Soft Skills Perspective" organised by Department of Humanities and Social Sciences , VNIT, Nagpur	7th and 8th February 2020	--	--	

4	Dr. Deepshikha Mehra	Environment education: only eco - sensitivity or human value and skill generation for enhanced employability? A case study from a technical educational institution	Studies in Indian Places Names	14 th and 15 th February 2020	2394-3114	Vol. 40, Special Issue -07, 55-61	
5	Dr Akanksha Deshpande and Prof. Jasleen Rihan	Leadership Skills Development through Engaging Activities	Studies in Indian Place Names (UGC Care Journal)	14 th and 15 th February 2020	2394-3114	Vol.40 Special Issue 7	

Departmental Activities

Industrial Visits :

In a form of assessment in course named Organizational Behaviour, Dr. Akanksha Deshpande, Assistant Professor, Department Of Humanities had assigned tasks to II Year Information Technology students to visit an industry out of the list of shortlisted industries and present a report of the same. The students were divided into groups of 4- 5 members each and were given this task to complete in the month of February. The students visited industries like Dinshaw Factory, CEAT Tyres, MOIL, VNIT, GLOBALLOGICS, etc and interacted with the officials there to get a better understanding at the on job factors associated with organizational behaviour. They reported the visit to be highly effective and educative in order to understand the topics that are theoretically taught in the class.



2. A visit to Anandwan, located in Warora, dist Chandrapur was organized for the students of MCA department, semester IV [I and II shift] and the students of NSS by the department of MCA, Humanities and NSS Unit. Dr. Monika Seth, Assistant Professor, Department of Humanities took the students on one day trip to this blissful place on January 29th, 2020 (Wednesday) which was started

by Padma Shri and Padma Vibhushan, Murlidhar D. Amte, also known as, Baba Amte who had opened it for leprosy patients. The students learnt about Anandwan's working system and also various life lessons such as selfless behavior, independency and self-belief by interacting with the patients. They were asked to document their experiences in the form of a video and report.



Conference, STTP and Guest Lectures organized in Department

Sr. No.	Conference/STTP/Guest Lecture organized	Speaker (with Affiliation)	Duration	Date
1	Workshop on "Simplifying Writing: Functional Grammar for Research and Professional Use"	Ms. Pratishruti Singh Agarwal	2 Hours	15 th Feb 2020
2	Workshop on "What is your Placement Quotient" for the students of MCA First Year	Mr. Vinay Chawla	2 Hours	26 th Feb 2020
3	Workshop on "What is your Placement Quotient" for BE First Year students	Mr. Vinay Chawla	2 Hours	29 th Feb 2020

Students' Corner

Student Achievements

Sr. No.	Name of Student	Event	Achievement	Date
1	Mukesh Thakur and Shreshtha Gole - Drama Club	AIU National Youth Festival m Noida	3 rd Position in Mime and 4 th in Skit competition	7 th February 2020
2	Mukesh Thakur and Shreshtha Gole - Drama Club	Zonal Youth Festival, Gwalior	2 nd Position in Skit, Mime and One-act play	23 rd December 2019. Award declared in January
3	Mukesh Thakur and Shreshtha Gole - Drama Club	State Youth Festival, Gadhchiroli	2 nd Prize in One- Act Play, Skit and Mime	6 th December 2019, Award declared in January

4	Raghunandan Thakur	Dr Iyyengar LAD College Quiz Competiton, Nagpur	1 st position	11 th February, 2020
5	Madhura Landge	Dr Iyyengar LAD College Quiz Competiton, Nagpur	1 st position	11 th February, 2020
6	Janmajay Rathi and Rahul Goel	Dronix [Drone Based Competition], VNIT Nagpur	1 st position with cash prize of Rs. 30,000	21 st -24 th January, 2020
7	Mrudani Deosthali	Eloquence Debate Competition- National level students' Convention, Priyadarshini College of Engineering, Nagpur	Debate- 1 st prize and Best Speaker award	28 th February, 2020
8	Rishabh Thadani	Eloquence Debate Competition- National level Students' Convention, Priyadarshini College of Engineering, Nagpur	1 st prize	28 th February, 2020

Department of Computer Application

Faculty Corner Publications

S N	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	Satyajit S. Uparkar , Charool S. Kumbhare , Pranita S. Pawar , Vaishnavi Gadre , Gayatri T. Zanwar	Travelling Salesman Model for Election Campaigning of Lok Sabha Constituencies of Vidarbha Region	International Conference on Recent Trends in Electrical Electronics and Computer Science Engineering-2020, VBS Purvanchal University- Jaunpur , UP.	10th - 11th January 2020.	978-93-89107-70-8 (ISBN N)	Vol. 82, Iss. Jan-Feb 2020 PP. 15772 - 15775	Scopus
2	Satyajit S. Uparkar, Pravin Y. Karmore, Leena M. Patankar, Vaidehi S. Deshpande	Optimization of Transportation Model based on Agricultural Products available in Maharashtra Region	Paper published in International Journal -Test Engineering & Management	28th February 2020	0193 - 4120 (ISS N)	Vol. 82, Iss. Jan-Feb 2020 PP. 15330 - 15334	
3	Satyajit S. Uparkar , Aanchal S. Patle , Jatin P. Kothari , Piyush L. Kesharwani	Application of Travelling Salesman Model for Ashta-Vinayak of Vidarbha Region				Vol. 82, Iss. Jan-Feb 2020 PP. 16245 - 16249	

Departmental Activities

Parent - Teacher Meet :

Parent Teacher Meeting for the students of first year was organized on 15th Feb-2020. Five parents attended the meeting and were satisfied with the activities of the department. One of the parents suggested communicating the student marks and performance through messages or some communication system which was duly noted. Parents also emphasized on including more practical aspects in the subject knowledge.



HR Shapers Conclave

The Department of Computer Application, Shri Ramdeobaba College of Engineering and Management and Nagpur HR Shapers jointly organized a Conclave themed “Future of Work” comprising of Panel Discussions of eminent speakers and over 60 participants working as HR professionals in different companies. Mr. Ashish Gakrey, Founder of HR Shapers thanked RCOEM and Department of Computer Application for providing suitable platform for the HR meet. He talked on need to organize such informal gatherings which can help to provide solutions to real time issues faced by the industry. The Chief Guest of the function Dr. Sanjay Muthal, CEO - Kontempore Leadership Solutions & Services gave the keynote address and focused on Technology becoming central locus to human existence today and warned that the impact of this ever increasing technology is highest in India since we are the suppliers of “technical minds” to the world. Dr. Rajiv Khaire, Prof-In-Charge Industry Institute Interaction Cell RCOEM, took the gathering through different milestones achieved by the

institute since its inception 1984 to 2019. Dr. Abhijeet. R. Thakare, Co-ordinated the event, Prof. Kaushik. Roy, faculty and students of MCA department took efforts for the successful organization and completion of the event. Prof. Neha Kasture compared the event and proposed the vote of thanks.



Conference, STTP and Guest Lectures organized in Department Data Analytics Guest Lecture

Department of Computer Application had organized a guest lecture on 09-03-2020. The guest lecture was delivered by the Alumni of MCA dept, Mr. Aditya Gadhave, Cognizant Technology Solutions India Pvt Ltd, and he works on GOOGLE Data Studio technology in the field of Digital Marketing. He explained the different terms of the workspace on the dashboard of Data Studio with different keyword and what they really mean for advertiser and for the company. His main work is to help the advertiser to show the advertisement on different platform that is been powered by the Google company (like: search engine, YouTube, etc.). He introduced Machine Learning which is been used to collect different data from the user and arrange them according to their common usage and arrange them according to the frequency of usage of the user and then use that technology to show advertisement according to their interest and search history. The guest lecture was coordinated by Dr. A. Thakare, Prof. S. Uparkar and Prof. M. Motghare.

Students' Corner

Student Achievements

Placement Details

Sr. No.	Company Name	No. of Students placed	Core/ IT/ Sector	Pay Package in lpa
1	Accenture ASE	19	IT	4.5
2	Capgemini	01	IT	3.8
3	Chegg India	24	IT	3.6
4	Climber Knowledge and Career Pvt. Ltd.	08	IT	6
5	Fendahl Technology Pvt Ltd	03	IT	3
6	Hexaware Technologies	03	IT	3
7	IBM Associate System Engineer	02	IT	4.5
8	Mphasis Limited	01	IT	3.25
9	Sankey Solutions Pvt Ltd.	02	IT	3.5
10	Tata Consultancy Services	05	IT	3.5

Internship Details :

The students of final year MCA have been placed as interns in around 30 renowned IT companies at Nagpur, Pune and Bangalore. Internship drive was arranged and coordinated by Dr. A. Thakare (Internship In-charge), Prof. K. R. Roy

(College Level T & P Coordinator) and Prof. M. Motghare (Dept. T & P Coordinator). All the internship students are paid stipend which ranges from Rs. 5k to Rs. 25k per month.

One year Internship

S.No	Name of Student	Internship Company
1	Amarnath R. Shahu	Dygn Media
2	Aman Dnyaneshwar Mate	Elite Back Office
3	Anchal Bigambarsingh Katoch	Elite Back Office
4	Maharshi Manishit Trivedi	Elite Back Office
5	Mayur Easwaran	Elite Back Office
6	Priyanka Deonath Ghodpage	Elite Back Office
7	Vidhi Manojkumar Panda	Grab
8	Barkha Tahalramani	Great Place IT Services
9	Bhavika Bharat Kothari	Great Place IT Services
10	Mehul Shirish Vasani	Great Place IT Services
11	Prajakta Narayan Bansod	Great Place IT Services
12	RITESH AVINASH NIMJE	Great Place IT Services
13	Deepakkumar Kamlesh Karn	Kratin LLC
14	Snehal Avinash Sontakke	Kratin LLC
15	Bharat Mahesh Chhabriya	Tecture Business Solutions
16	Pooja pawan Nawani	Tecture Business Solutions
17	Ruchita Rehpade	Tecture Business Solutions
18	Sankalp pravin behere	Tecture Business Solutions
19	Saurabh Rajendra chavhan	Novatech

Six Month Internship :

S.No	Name of Student	Internship Company
1	Anu Pandey	Eaton
2	Deepa Karani	Eaton
3	Vaishnavi anand deo	Eaton
4	AMAN RAHIM SHEIKH	Elite Back Office
5	Amol Harichandra Channe	Elite Back Office
6	KUNAL ASHOK TALWEKAR	Elite Back Office
7	Leena Madhukar Patankar	Elite Back Office
8	Lvs prashanth Rongala	Elite Back Office
9	Rakesh Vasant Chavhan	Elite Back Office
10	Swapnil harihar ingale	Elite Back Office
11	Kavita Sapan Ballav	Fendahl Technology Pvt Ltd
12	Mohd Tausif Anwar Mohd Riyaz	Fendahl Technology Pvt Ltd
13	Pragati Girdhar Khandelwal	Fendahl Technology Pvt Ltd
14	Rupal Kamlesh Tilwar	Hexaware Technologies
15	Devyani Jagdish Malewar	Kijora
16	JAYSHREE KSHATRI	Kijora
17	Meenal Mohan Sonwane	Kijora
18	Nidhi Ravindra Kumar Jha	Kijora
19	Dev Kant Mishra	Novatech
20	Khushbu Radheshyam Asati	Patronous
21	Nikhil Anil Wairagade	Patronous
22	Namrata Hemraj Bokde	Tata Consultancy Services
23	Shradha Manak Soni	Tata Consultancy Services
24	Namannoor Kaur Jabbal	Techwalnut
25	Aanchal Suresh Patle	Vconstruct
26	Gauri Shailesh Mopkar	Eaton
27	Sagar Hanwat	Novatech
28	Ajinkya Sanjeev Deshmukh	Pinnacle
29	Jatin Pankaj Kothari	Pinnacle
30	Rutuja Rajesh Rathi	Pinnacle
31	Shikha Subhash Singh	Upgrad
32	VANASHREE SANJAY LANDEKAR	Upgrad
33	Yasheeka Vijay Kochar	Eaton
34	Yogesh Knankhoje	Pinnacle
35	Siddharth Sunil Jain	Grapha
36	Supriya Guglani	Grapha
37	Sneha Pramod Kawale	Pinnacle
38	CHINMAY SURESH DONARKAR	Mastersoft
39	Mayuri Purushottam Bhangale	Mastersoft
40	Shweta Bharat Fulzele	VIGOPA,Pune
41	Mary Shaji Mathews	lets Together- Bring a Change Foundation
42	Romal Joginder singh saluja	Mastersoft
43	Sharda Surendra Chawre	lets Together- Bring a Change Foundation
44	Shivani Mukesh Deshpande	lets Together- Bring a Change Foundation

45	Shubham Jagannath Moundekar	lets Together - Bring a Change Foundation
46	Vaishnavi Gadre	Techwalnut
47	Prachi Udelaal Shahare	Techwalnut
48	Aishwarya Chandrakant jaiswal	Syslogix
49	Antra	Shatam Technologies
50	Harshada Karangale	Savitar Incorporation
51	Kritika Krishnakant Agrawal	Delaplex Softwares
52	Mayuri Yesholal Bisen	AddInfi Digitech
53	Nikhil Dnyaneshwar Deshmukh	lets Together - Bring a Change Foundation
54	Pooja Raju Chhabriya	Click2Cloud
55	Sapna Kishan Lalwani	AIT_GLOBAL
56	Pranita Gajanan Mangrulkar	lets Together - Bring a Change Foundation
57	Noopur Sunil Sonkusare	AIT_GLOBAL
58	Pooja Mukund Bobade	AIT_GLOBAL
59	Konika Sanjay Singh	InfoSai Solutions
60	Ankita Sahebrao Sherekar	InfoSai Solutions
61	Salim Laltoo Sheikh	InfoSai Solutions
62	Harshada Krishnarao Dhawad	InfoSai Solutions
63	Disha Naneshwar Ganvir	InfoSai Solutions
64	Aarti Ashok Raut	Blue Planet Info solutions
65	Hitesh Lilaram Karamchandani	InfoSai Solutions
66	Kanchan Pradeep Wakodikar	InfoSai Solutions
67	Yogesh Gendlal Bariyekar	PraxisLogica IT Solutions Pvt. Ltd.
68	Gaurav Anant Muley	InfoSai Solutions
69	Aditya Dattatray Dashputre	PraxisLogica IT Solutions Pvt. Ltd.
70	Gayatri Thakurdasji Zanwar	Enable IT Solutions Pvt. Ltd.
71	Piyush Iakhanlal Kesharwani	PraxisLogica IT Solutions Pvt. Ltd.
72	Akshay Manish Jain	PraxisLogica IT Solutions Pvt. Ltd.
73	Nikita Rajendra Holey	Enable IT Solutions Pvt. Ltd.
74	Annu Kishor Nagrare	Blue Planet Info Solutions
75	SHUBHAM SANJAY DESHPANDE	AIT_Global
76	Aarti Janiram Sahu	Blue Planet Info solutions
77	Akshay Harish Khurana	Pinnacle
78	Pooja Ramchand Sanware	InfoSai Solutions
79	Sonal Shamrao Babar	InfoSai Solutions
80	Kalyani Ravindra Wadettiwar	InfoSai Solutions
81	Karan Durgasing Thakur	Blue Planet Info solutions
82	Karishma Bais	InfoSai Solutions
83	Mudassir Mahemud Rizvi	AIT_GLOBAL
84	Rakshita Naresh Jejani	click2cloud
85	Rohit Babu Burde	Syslogix
86	Sandesh Vijay Agrawal	Novatech
87	Shivendra S Sharma	AIT_GLOBAL
88	Naman Dilip Patel	RnR Datalex
89	Charool Shailesh Kumbhare	RnR Datalex
90	Rahul Mahadeo Moundekar	RnR Datalex
91	Mayuri Ramesh aglawe	Savitar Incorporation

Department of Management Technology

Faculty Corner

Awards received by Faculty of department

1. Dr Sunita Dhote of the department of management technology was Felicitated by Physical Education Department, Rashtra Sant Tukdoji Maharaj Nagpur University as the best player of the year on the occasion of International Women Day Celebrations on 12th of March 2020, in presence of Dr. Sharad Suryavanshi - Director of Physical Education Dept., R.T.M.N.U, Dr. Kalpana Jadhav Ex- Director of Physical Education Dept., R.T.M.N.U, Dr. Madhavi Mardikar, Dean- Director of Physical Education Dept., R.T.M.N.U.



Departmental Activities

“RENDEZVOUS 2020” – REUNION OF MBA BATCH 2008-10



The Department of Management Technology, Shri Ramdeobaba College of Engineering and Management, organized a grand reunion of the 2008-10 Batch of MBA program, celebrating the completion of 10 years of the batch. The event took place on Saturday, 25th January 2020 in the auditorium of DMT. The event received overwhelming response from the alumni who were eagerly waiting to revisit their alma mater. The event

began with an opening remark by the Head of the Department Dr. Chandan Vichoray, followed by an address by a few faculty members who shared their fond memories of the batch. The alumni were very happy to witness the growth of the department and gave several inputs for making the curriculum adapt with current industry standards. They agreed to act as mentors for current students of the department under Alumni Mentorship Program “Ignite”. They also shared their success stories at the event. The alumni were felicitated with various fun awards based on their college lives. The reunion ended with an informal interaction among the faculty members, the alumni and the representatives of the current batch of students over a gala dinner. It is this strong association and network of alumni that is one of the key pillars for success of the college.

JASHN 2020 – Let’s Live it Together



Jashn - Let's Live it Together, is an event organized by Department of Management Technology (DMT) and NSS Unit, Shri Ramdeobaba College of Engineering and Management, Nagpur on 25th January, 2020, for children from orphanages. A full day event was conducted for these children to participate and enjoy. 83 students participated in drawing competition and more than 60 in dance competition. The program was graced by the presence of–Shri Govindlal Agarwal, General Secretary, RCOEM, Dr. Amit Anurag, Head NSS, Dr. Chandan Vichoray - Head, DMT, Dr. Neeta V. Shah, Professor, DMT, Dr. Vandana Gandhi, JASHN Coordinator and the judges, during early morning hours. The drawing competition was judged

by, Ms. Aparna Gupta, Ms. Arpita Munje, Mr. Gajanan Bhusari and Ms. Garima Mehta. The age groups for drawing competition, held in the morning were - 5-10 years, 11 to 15 and 16 to 18 years. Three prizes and two special prizes were awarded in each category.

Dance Competition was held in the evening. The dignitaries present during the evening function were Dr. Amit Anurag, Head NSS, Dr. Chandan Vichoray - Head, DMT, Dr. Neeta V. Shah, Professor, DMT, Dr. Vandana Gandhi, Jashn Coordinator and Judges of the competition and other faculty members of DMT. This competition was judged by Ms Tamanna Dave, Mrs. Sangita Ghosh and Smt. Renu Mahajan. The event was compered by Mr. Ashay Lanjewar, Mr. Ayush Mate and Ms Guneet Chhabra.

First Prize was awarded to Sunshine Foundation, second prize was awarded to Jeevan Ashray and the third Prize was awarded to Bal Sadan. Special prizes were won by children from Shraddhanand Ashram, Rahul Bal Sadan and Govt. Boys shelter home.

The event was sponsored by Bhandara Urban Cooperative Bank, Milton dresses, Uddhar Foundation, Kekiz, SPL Fitness and students. Lunch was sponsored by Reyansh Soni.

For this Event, the organizing team executed a successful scrap collection campaign collecting more than 8 tons of scrap. A team of about 40 students was

involved in making the event successful. The students visited different orphanages/ schools and conducted dance workshops for these children. Mr. Sanjit Mulay, Student coordinator, JASHN 2020, concluded the program by proposing vote of thanks.

Arthashastra 2020 – Panel Discussion on Union Budget 2020





The students of MBA of DMT organised a panel discussion on Union Budget 2020 for the analysis of the budget. The title of the Program was “Arthashastra 2020”. It was organised in two parts. On the day of the budget, Live screening of the Budget speech of Union Finance Minister Smt.Nirmala Sitharaman was organised in the Auditorium over the LCD screen on 1st February 2020 which was witnessed by all the students of MBA and MBA Integrated.

On 12th February 2020, an analysis of the Union Budget 2020 was done in a Panel discussion. The panelists invited for the discussion were CA Tejinder Singh Rawal and CA Bhadresh Mehta. The panel discussed various aspects of the Union budget of the year, its interpretations and impact it would likely have on the economy and society. The panelists also answered to the various queries of the students and faculty members. The panel discussion lasted for 2 hours. At the end of the program, the students thanked the panelists for sparing their valuable time for the event, as well as the Head of Department Dr.Chandan Vichoray for giving the students a chance to organise this great value adding activity in the college campus.

Alumni visited to RCOEM for the Student Placement:

Alumni Mr. Vivek Thakre from 1998 Batch Mining, and Mr. Kaushik Sarkar from 2003 Batch Mining visited our campus on 13th Jan 2020 for recruiting the students of RCOEM. Mr. Vivek Thakre is Business Line Manager at Epiroc Mining India Ltd , Pune, and Mr. Kaushik Sarkar is Marketing Manager Drilling Solutions at Epiroc Mining India Ltd, Pune.



Distinguished Alumnus Mr. Manish Verma, of 1994 Civil branch was invited as Chief Guest for the "Pratishruti" gathering function. He is Head of Technology, SonyLIV with Sony Pictures India Limited a subsidiary of Sony corporation, where he is responsible for building global OTT platform.



Distinguished Alumnus Mr. Vishal Agrawal of Industrial Engineering 1996 Batch , was invited as Chief Guest for the "Pratishruti" gathering Valedictory Function on 7th Feb 2020. He is Director of R C Plasto Tanks & Pipes Pvt Ltd, Nagpur .



REFLECTION NEWSLETTER

**SHRI RAMDEOBABA COLLEGE OF
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Ramdeobaba Tekadi, Gittikhadan, Nagpur - 440013
Phone : 0712-2580011, Website : www.rk nec.edu



Shri Ramdeobaba Temple on Campus

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