

# REFLECTION NEWSLETTER

## SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT

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### Letter From The Editor

The first quarter of the calendar year saw our College scaling new heights. It started with an initiative taken by cops “Chhaatra Police”. COMMISSIONER of Police (CP) DR. B. K. Upadhyay launched 'Chhaatra Police' initiative and its movie in the presence of senior police officials and hundreds of students. This quarter witnessed the Grand Finale of Smart India Hackthon at Shri Ramdeobaba College of Engineering and Management. For consecutively 3rd year RCOEM was selected as a Nodal Centre for the grand Finale. The event involved 32 teams (more than 250 students) with their mentors. Prior to this Pratishruti-2019, three day long annual cultural festival of Shri Ramdeobaba College of Engineering and Management was celebrated. Along with technical and cultural activities this quarter also witnessed NSS activities like Aarambh-An Introductory Program for II year Students, 70th Republic day Celebration, Prerna 11.0 - seven day long Socio-Cultural event, Junoon-performance of specially abled children, Health Checkup, Prayas-utilization of technical knowledge for the upliftment of common man, Gramin Sampark-health checkup for villagers, etc.

The faculty members of all the departments participated in Conferences, STTPs, FDPs and also had their research work published in international journals of repute. Some of our faculty members were awarded their PhDs also in this quarter. The training and placement department, as dynamic as ever, organised Training Programs, interactions with Industry professionals and ensured that a good number of our students get placed for their internships assignments. The T&P department also did a wonderful job in procuring job offers for our students. Overall, this quarter saw the college delivering and gearing up for the future. The future has, in its folds, challenges galore for us and as Heraclitus once said :

***“There is nothing permanent except change”.***

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

Happy reading !!!



## College Highlights

### Smart India Hackathon 2019

The Grand Finale of Smart India Hackathon '19, a pan India 36 hour nonstop digital programming competition was organized at Shri Ramdeobaba College of Engineering & Management, Nagpur. The event at RCOEM, Nagpur was formally inaugurated by **Shri Rajiv R. Mishra, Chairman cum Managing Director, WCL** who spoke extensively on the theme 'How technology can be used for bringing better solutions for India. He stressed on being positive and thinking out of the box and one should be part of crowd but need to be different from the crowd. He wished the students a technologically sound future. He also interacted with the members of the participating teams to know about their domain of problem statements and how they planned to come up with solutions. He appealed to the budding technocrats to come up with creative thinking, identifying the problems in their vicinity and environment and provide innovative, economical and sustainable solution for it.

For consecutively 3rd year RCOEM has been selected as a Nodal Centre for the grand Finale. It is nodal centre for Ministry of Railways, Department of Atomic Energy and Ministry of Coal and host the event involving 32 teams (more than 250 students) with their mentors. The teams addressed the various problem statements related to above Ministries. Recreational activities like yoga and zumba dancing was planned to ease the young innovators' minds during the Hackathon. The event concluded on 3<sup>rd</sup> March, 2019 at 8:00 pm followed by valedictory function to be held across all the 48 centers. Through Video speech, Minister of HRD, Shri Prakash Javadekar said that the journey of Hackathon has moved from 40000 participants in 2017 to 2 Lakh in 2019. He motivated participants to have discovery and research oriented journey. He encouraged participants to be owners of Innovation to lead the global community and take the country forward. Prof. Anil Sahasrabudhe, Chairman, AICTE, Chairman Organizing Committee, Smart India Hackathon congratulated everyone for participating in World's biggest Hackathon. He said everybody contributing in providing solutions to the Ministries and Industries, is a winner. Dr. Anand Deshpande, Chairman & MD, Persistent

systems and Co-Chair, Organizing Committee, Smart India Hackathon welcomed everyone and was overwhelmed with the euphoria of the coders ready to wrestle to come up with the best solutions.

Prominently present at the occasion were Shri Phoolchand, Scientific officer, Department of Atomic Energy (DAE), Shri G. B Jagtap, Senior Divisional Personnel, Railways Nagpur, Shri Ranjeet Ghosh, Ministry of Coal, Shri Govindlal Agarwal, General Secretary, RCOEM, Shri Rajendra Purohit, Secretary, RCOEM. Dr. M. B. Chandak, Nodal Center SPOC and delegates from NIC, Persistent Systems, various faculties and Heads of the Department, RCOEM. Message of Chairman, Shri Banwarilal Purohit, Governor of Tamil Nadu was read by Dr. R. S Pande, Principal, RCOEM & Nodal Officer, Smart India Hackathon'19, Nagpur, The programme was compeered by Dr. Asmita Deshpande. Shri Padyumna Joshi, SOH, DAE, Shri Reetesh Chorasija, SOF, DAE, Shri Rajkumar Jha, SO, DAE, Shri Laxman Potbhare, AICTE Representative, Shri A P Singh, Dy. Director, Railway Board also graced the occasion. SIH-2019, has been organized by MHRD, MIC, AICTE, i4C, Rambhau Mhalgi Prabodhini and Persistent and partnered by Doordarshan, Deloitte, CISCO, Devnet, KPIT and Suma Soft.

During the 36 hour event Individual Ministry Trainers conducted training sessions for all teams. The panel of judges includes Mr. D.K. Sharma, General Manager, Central Railway, Mumbai, Mr. Ankur Rastogi, Mr. Mohd. Shahid, Mr. Mukesh Choubey and Mr. Abhishek Kumar Singh for Ministry of Railways track. Mr. Alok Sarkar, Mr. A.P. Singh, Mr. Rakesh and Mr. R.K. Ghosh for Ministry of Coals track. Mr. B.S. Jagadeesh, Associate Director, Computer Division, Bhabha Atomic Research Centre, Mr. P.S. Joshi, Mr. Kislay Bhatt, Ms. Vibhuti Duggal and Mr. Pranabesh Kanti Thander for Atomic Energy Track.

### SRC Activities

#### Pratishruti-2019

The education is related to the cultural roots of the Country. For modernization to take place and education to



be relevant, it has to derive its base from the cultural roots, said Mr Anand Sancheti, while inaugurating Pratishruti-2019 the Annual Cultural Festival at Shri Ramdeobaba College of Engineering and Management. To clarify, he cited the example of pilot less aircrafts in ancient India and compared it with the current driver less cars. He further added that education and knowledge is available everywhere and can be acquired at any time provided one remains focused.



The inauguration took place in the college premises in presence of Chief Guest, Mr. Anand Sancheti, Managing Director, SMS Ltd, Nagpur. The event was presided by Shri. Satynarayan Nuwal, Vice-Chairman RCOEM. Other dignitaries present on the dais included Shri Chandrakantbhai Thakar, Vice-Chairman; Shri Govindlal Agarwal, General Secretary, Shri Kailashchandra Agrawal, Secretary; Shri Rajendra Purohit, Secretary, Shri Ashok Kumar Pachariwala, Treasurer. Also present on the dais were Dr. R.S. Pande, Principal; Dr. Y.M. Sonkhaskar, Dean SRC; Prof. B.M. Hardas, Prof. In-charge, Pratishruti'19, and Mr. Gagan Chordiya, Cultural Secretary, Student Representative Council.

Among others prominently present were Shri Bhagwandas Daga and Shri Padmesh Gupta Executive Members of RCOEM. The ceremony began with the lighting of the lamp. Dr. Y. M. Sonkhaskar in his opening remark gave the brief description about the motto of Pratishruti. The opening remark was followed by the felicitation of the honorable Chief Guest by the hands of Shri Satynarayan Nuwal.

The dignitaries on the dais and the other members of the staff and students present at the ceremony admired the insightful views of the respected chief guest. Shri



Satynarayan Nuwal gave the presidential address. In his address Shri Nuwal stated that with little effort and focus our students can take the country to the next level and prove instrumental in making India vishwaguru. He said that students should look at holistic development and he concluded by suggesting that students should follow the philosophy of simple living and high thinking.

Principal Dr. R. S. Pande presented the gathering with the annual report and the various achievements of the college. Mr. Gagan Chordiya presented the Pratishruti report. The ceremony was concluded with the recital of the National Anthem. The ceremony was compered by Mr. Purvesh Agarwal and Ms. Nancy Tolani while the vote of thanks was proposed by Ms. Bhagyashree Sahu, Chief Student Advisor of SRC.

## VALEDICTORY FUNCTION

### **One Must Go Beyond Duty - Ghanshyam Ahuja**

Pratishruti-2019, three day long annual cultural festival of Shri Ramdeobaba College of Engineering and Management concluded with the valedictory function held in the college premises on 1st March 2019. The event was graced by Chief Guest and Alumnus of RCOEM, Mr.

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	Name of the event	Date	Place	Name of students Participated	Remark
1	34th Inter-University Central Zone Youth Festival "JUAN PARAV" Sambalpur University, Sambalpur.	7-11 Jan 19	Sambalpur (Orisha)	1)Akhilesh Sangewar (4 <sup>th</sup> year IND) 2)Yashwant Hampiholi (3 <sup>rd</sup> year EC) 3)Chinmay Pittule (2 <sup>nd</sup> year Mech) 4)Ayushi Trivedi (2 <sup>nd</sup> year EC) 5)Zubin John (2 <sup>nd</sup> year Civil) 6) Atharva Upagade (3 <sup>rd</sup> year Civil)	Represented RTMNU
2	16th Maharastra Open University (Indradhanusha-2018)	7-11 Dec 18	Nashik	1)Akhilesh Sangewar (4 <sup>th</sup> year IND ) 2)Ayushi Trivedi (2 <sup>nd</sup> year EC) 3)Yashwant Hampiholi (3 <sup>rd</sup> year EC) 4)Chinmay Pittule (2 <sup>nd</sup> year Mech)	Represented RTMNU
3	34th Inter University National Youth Festival "CU Fest" Chandigarh University	1-5 Feb 2019	Mohali	1) Chinmay Pittule (2 <sup>nd</sup> year Mech)	
4	Yuvarang -2019 Youth Festival	21 to 24 Feb 19	Nagpur	26 Students participated 1)Swaradha Deshpande (Classical Vocal -2 <sup>nd</sup> Position) 2)Yashwant Hampiholi (Classical Instrumental percussion-2 <sup>nd</sup> position) 3)Riya Paul(Western Vo cal-1 <sup>st</sup> position)	Winners in Yuvarang



## IEEE Events January to March 2019

**Orientation Programme :** An orientation Programme on 4th February 2019 was organized to aware students about IEEE activities and the benefits of IEEE membership. The orientation program was organised for the students of first year and it covered various aspects of IEEE such as basic volunteering, the opportunities available for getting sponsored for various international conferences, the award, scholarships available for the students.

Sessions were conducted by Dr. Richa R. Khandelwal (IEEE-RCOEM student branch counselor), Shubham Gupta (Active volunteer at IEEE Bombay section), Anurag Jain (Student Chair, SBJITMR Student Branch), Savneet Kaur (Student Chair IEEE CS Chapter, GHRCE), Geetika Mohabe (Student Chair IEEE-RCOEM student Branch).

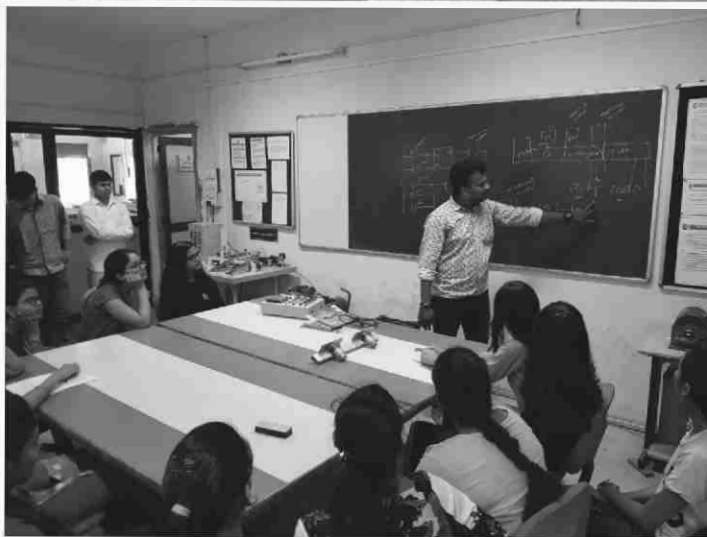
Mr. Shubham Gupta highlighted the complete framework of IEEE and his journey in IEEE till now. Anurag shared his experience of conference attended at BALI, Indonesia for which he was sponsored by IEEE Nagpur subsection. Savneet, recipient of IEEE Richard E Mervin scholarship from IEEE CS discussed the details of scholarship. Geetika is a recipient of Lt. Shri Hemant Sonawala scholarship for promising women engineering student from IEEE Bombay section, enlightened the scholarship opportunities available for IEEE student members. Dr. Richa R. Khandelwal highlighted the awards, grants and scholarships available to the IEEE student members. The sessions was very interactive and proved to be very helpful and a source for inspiration for the students to join IEEE. The orientation program was concluded by the vote of thanks given by Rutuja Nawade, student member of IEEE RCOEM Student Branch.



IEEE-RCOEM Student Branch organized Workshop on. Industrial Automation: PLC & SCADA on 20<sup>th</sup> March 2019 for the final year students. Workshop was conducted by Dr. (Mrs.) R. R. Khandelwal, Akshay Paunikar, Vitthal Atpale and Arpit Chaudhary. Contents of the workshop were PLC architecture, basics of ladder programming, LADSIM: Ladder Logic Simulation Software, Demonstration of Siemens PLC, Applications of PLC and SCADA in industrial environment.

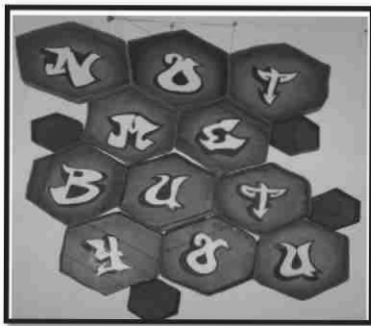






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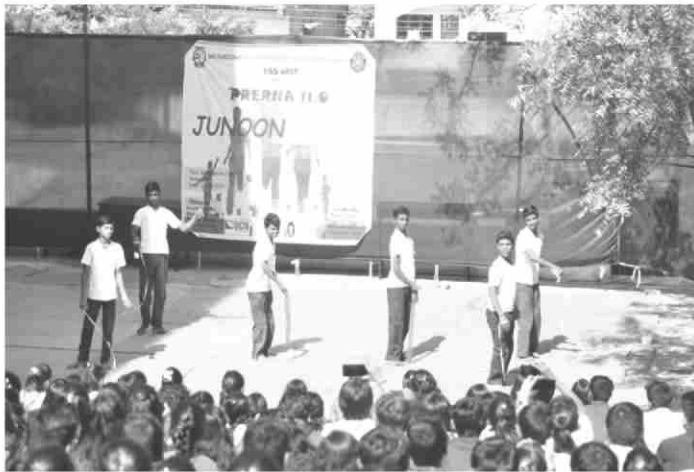
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## National Service Scheme (NSS)

### AARAMBH :

“Aarambh -An Introductory Program for II year Students:” was organized on 9th January, 2019. This event





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## Training and Placement Department ZS Associates Brown Bag Workshop

**Dated 6th March, 2019 :** ZS Associates Brown Bag Workshop was conducted by the ZS Associates on 6th March 2019. The Brown Bag workshop was conducted for Computer Science, Information Technology, Electronics Engineering, Electronics and Communication Engineering, Electronics Design Technology Branches Pre-final Year Students. The students were very precisely oriented about the upcoming technologies and new opportunities in various domains. Two of the alumnus of our college from 2016 Batch represented ZS Associates as campus ambassadors. The main objective of this workshop was to give the minute details of the Interview Process, Aptitude Rounds, question and answer (doubt clearing) sessions. There was a slot for experience sharing and information transfer by the alumnus of RCOEM. The students were very energetic to interact with their seniors and get the related information. The event comprised of many activities and goodies for the student who answered any of the questions asked.

## Passport-Seva Registration Boot Camp by TCS Team

**Dated 13<sup>th</sup> February, 2019 :** The Training and Placement Department, RCOEM organized a Passport-Seva Bootcamp in association with the TCS Team. An orientation program was conducted initially at the morning shift where the students were informed about all the do's and don'ts of Passport-Application. The complete procedure was thoroughly explained by the experts, wherein the students were informed about the problems that the students face during their application for higher studies abroad. All the students were taken to the labs and again briefed about the application procedure. Around 150 students participated in the activity. In the later part of the program the students were guided and asked to apply for their passport online in the college computer lab in two shifts. All the queries of the students that occurred during the registration process were resolved by the officials. The activity ultimately became a boon for the students, it not only explained them the complete process but also made them register for the passport on the same day. The students took one common date for the document verification step of the passport-seva at the said office.

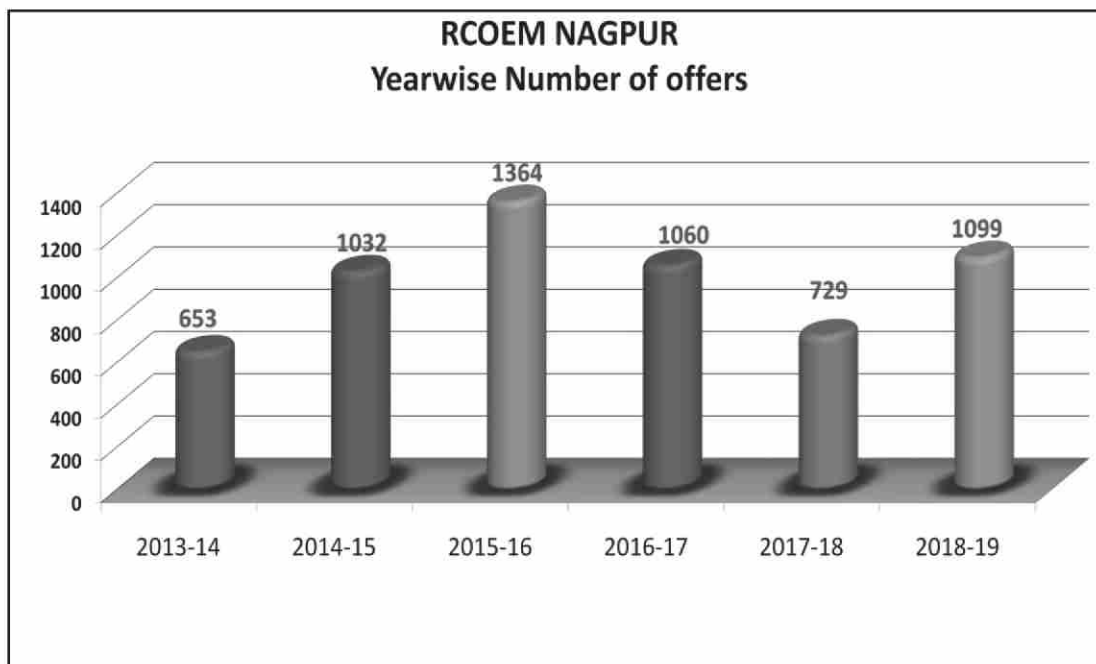




### Number of Companies during January-March 2019.

Sr. No.	Company	Type	Sr. No.	Company	Type
1	3H Systems Pvt. Ltd.	CORE	11	Cognizant	IT
2	APPIT SIMPLE INFOTEK PVT. LTD.	CORE	12	ContentSphere	IT
3	Collabera Technologies Private Limited	CORE	13	Ezest	IT
4	IndiaMart	CORE	14	MasterSoft	IT
5	JSW Steel Ltd	CORE	15	Mphasis Limited	IT
6	Visa Steel	CORE	16	Siemens (Buinding Technology)	IT
7	VVDN Technologies	CORE	17	TA Digital	IT
8	Home First Finance Company	CORE	18	Tech Mahindra	IT
9	Sokrati	CORE	19	Webtek Developers	IT
10	Afcons Infrastructure	CORE	20	Zycus	IT

### Placement Status Till Jan 2019



### Current Year Placement Statistics for 2019 Batch (Till March 2019)

- 116 Offers Above 5 LPA
- 58 Offers Above 8 LPA
- 34 Offers Above 10 LPA
- 07 Offers Above 15 LPA
- 02 Offers Above 20 LPA

## Department of Civil Engineering

### Faculty Corner

Faculty Ph. D. Awarded **Prof. Ashish Mehta**

#### Awards received by Faculty of department

Sr. No.	Name of Faculty	Name of Award	Date
1	Dr.M.S.Kadu	Nomination on YCMOU Planning Board	29th March 2019

#### 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.A.Dakawale	Concrete technology, Constituents of concrete, applications of concrete, conventional concrete	5 <sup>th</sup> & 6 <sup>th</sup> March 2019	Regional Training Center, Nagpur

#### Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal/Conference /Book	Date of Conference/ Publication
1	Prof M.S.Tiwari Prof. S.S.Geete	Method to estimate fugitive gas emissions from surface coal mining and carbon constraints	Sustainable Infrastructure Development And Management	22-23 Feb 2019
2	Dr.V.A.Dakwale	Study of Parameters affecting efficiency of construction workers	Sustainable Infrastructure Development And Management	22-23 Feb 2019
3	Prof.V.J.Rajurkar	Asses the sustainability of local soil and demolishing waste from rammed earth	Sustainable Infrastructure Development And Management	22-23 Feb 2019



## STTP / FDP / other Training Attended by Faculty

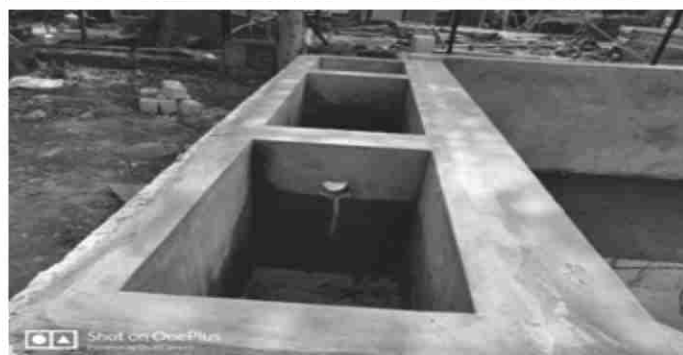
S. No.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1	Dr. Prasad P. Dahale	QIP on "Recent Advances in Geotechnical and Geo-environmental Engineering"	25 <sup>th</sup> Feb- 2 <sup>nd</sup> March 2019	Government College of Engineering, Amravati
2	Dr. Prashant D. Hiwase	AICTE-Quality Improvement Short Course on 'Recent Advances in Structural Dynamics'	18 <sup>th</sup> Feb – 23 <sup>rd</sup> Feb 2019	Government College of Engineering, Amravati

## Departmental Activities

### Industrial Visits

S.No.	Name of Site	Location	Date
1	Commercial Building G+7	Dharampeth	12-01-2019
2	Residential Building G+3	Friends Colony	19-01-2019
3	Sewage treatment plant	RCOEM Nagpur	02-02-2019
4	Aquade's Company	Dharampeth	23-01-2019
5	5Bridge and retaining wall	Chinchbhawan	30-01-2019
6	Water treatment	Gorewada	06-02-2019

### Photos :





## Parents Meet, Alumni Meet and Departmental Installations or Events

The alumni meet has been a tradition conducted by RCOEM. In view of improving interaction with passed out students with their alma mater, an alumni meet was organized by Civil Engineering Department on February 09, 2019 (Saturday) from 11.00 a.m to 1.00 p.m, at Civil seminar room (K – 1/5). About 20 alumni, registered for the meet this year.

Information related to vision and mission of the department, program educational objectives, program outcomes and program specific outcomes, academics and infrastructure were discussed. The suggestions were taken regarding the above stated agenda. The suggestions were also invited regarding the development of the Civil Engineering Department and program curriculum. The discussion was also extended by improving the database of the passed out students to enhance the alumni activity from the department. The alumni co-coordinator, Dr. T. B. Gupta from the department requested the alumni present in the meeting to collect the details of their classmates and provide it to the department. Feedbacks were also collected regarding the organizational aspects of the meet and their suggestions for improvement in professional curriculum development. The Alumni meet closed at a very inspirational note.

The faculty members present for the meet were Dr. P. D. Pachpor, Dr. M. S. Kadu, Dr. A.K. Sharma, Prof. T.K. Rao, Prof. E.M. Gonnade, Prof. H. P. Khungar, Prof. A.M. Gharad, Prof. S.S. Geete, Prof. T. B. Gupta, Prof. A. A. Mehta, Prof. S.P. Siddh, Prof. N. S. Agrawal, Prof. V.P. Joshi and Prof. U.B. Patil.

A Parent – Teacher Meet was organized by the Civil Engineering Department on February 23, 2019 (Saturday) from 10.00 a.m to 12.00 p.m at K1/5 Civil seminar room for session 2018-19 . The meeting was



Dept. Alumni Meet Glimpses

addressed by head of the department, Dr. P. D. Pachpor. It was attended by various faculty members of the department. This meet received a very good response from the parents of IV (Shift I & Shift II), VI (Shift I & Shift II), and VIII (Shift I & Shift II) semester students. Around 45 parents visited the department and interacted with concerned faculty members.





10:38 am  
SAT, 23-FEB

India  
LONGITUDE 79.0607610 79°3'38"E  
LATITUDE 21.1772659 21°10'38"N



29° C  
I'M HERE  
NAGPUR  
Sat, 23 Feb 2019

Glimpses of PTM

## Parents Meet, Alumni Meet and Departmental Installations or Events

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Glimpses of NEEV activities

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Road Safety Week

## Conference, STTP and Guest Lectures Organized in Department

SNo.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1	2days hands -on workshop on Non Destructive testing	Mr Ravi Ranade Managing Director - Construction Diagnostic Centre Pvt. Ltd. Civil Engineer , Structural Auditor, NDT & Structural Restoration Consultant, Concrete Technologist	2days	28-29 <sup>th</sup> March 2019



Mr. Ravi Ranade demonstrating various NDT instruments to the participants



## Guest Lectures Organised

1	Energy Conservation Building Code and Case Studies	Dr. Rahul Ralegaonkar	2 hrs	08/02/2019
2	Ground Improvement Techniques	Dr. Amit Padade	2 hrs	08/03/2019
3	How to Prepare for Competitive examinations	Mr. Anand Sharma	2 hrs	13/03/2019
4	Softwares on analysis and design of Structures	Er. Kanchan Raut	2 hrs	13/03/2019
5	Traffic Flow Theory	Dr. Udit Jain	2 hrs	19/03/2019
6	Career Opportunities after	Mr. Mehul	2 hrs	19/03/2019
7	Bamboo: as a Construction Material	Mr. Sunil joshi	2 hrs	29/03/2019
8	Bamboo: as a Construction Material	Mr. Sanjeev Karpe	2 hrs	29/03/2019
9	Disposal of Municipal Solid and Industrial Waste	Dr. Dilip lataye	2 hrs	02/04/2019

## Students' Corner

### Toppers List (Combined list of two shifts) if applicable

Sr.No.	Second Year	Third Year	Fourth year
1	Shruti Shrawan Wakode	Komal Kamta Prasad	Shraddha Baluji Malve
2	Siddhesh Amish Bisane	Mayank Tilok Bothra	Jaydeep Babarao Chouhan
3	Srushti Rajesh Shahu	Prachi Kailas Maske	Pulkit Dixit

## Department of Computer Science and Engineering

### 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/IC I / Other (index)
1	Prof. Neha Tirpude	Performance Evaluation of Fine-tuned Faster R-CNN on specific MS COCO Objects	International Journal of Computer and Electrical Engineering	March 2019		DOI <a href="http://doi.org/10.11591/ijece.v9i4.pp%25p">http://doi.org/10.11591/ijece.v9i4.pp % 25p</a> Vol. 9, Issue No. 4, pp	SCOPUS
2	Prof.R. Welekar	Best Bound Population Based Local Search for Memetic Algorithm in view of Character Recognition	BOOK chapter in Third International Congress on Information and Communication Technology, ICICT 2018, Feb 2018, Advances in Intelligent Systems and Computing, vol 797. Springer, Singapore, January 2019, 343-350	Published on January 2019:	ISSN 2194 - 5357	DOI: 10.1007/978-981-13-1165-9_31	Springer
3	Prof.R. Welekar	BOUNDED, Multidimensional, Integrated Memetic Evolution for Character Recognition Based on Predictive Elimination Theory and Optimization Techniques ,	International Journal of Applied Metahuristic Computing (IJAMC) 10(1)	Feb 2019		DOI: 10.4018/IJAMC.2019010104, 2019	Scopus Indexed Journal
4	Prof.R. Welekar	An approach for Environment Vitiation Analysis & Prediction using Data Mining and Business Intelligence	SmartCom 2019, 24-25 <sup>th</sup> January 2019, Third International Conference on Smart Trends on Computing & Communications, Thailand	24-25 <sup>th</sup> January 2019			Accepted in Conference and will be published in AISC Springer



## Departmental Activities

### Industrial Visits

The students of Open Elective course “Foundation of Business Intelligence (CST322-2)” were taken to Infocepts Mihan office, Info City, Nagpur on Jan 09, 2019 for industry visit. This course is organized by Computer Science and Engineering Department and conducted by Infocepts Nagpur. The visit was accompanied by Prof. Jignyasa Sanghavi and Dr. Tausif Diwan with a 43 students of Undergraduate and Post Graduate programme.



Students and faculty of Open Elective course  
“Foundation of Business Intelligence-(CST322-2)”  
at Infocepts, Nagpur

### Parents Meet

Parent - Teacher Meet was conducted on 9<sup>th</sup> February 2019 at Department of Computer Science & Engineering. Parents were given booklet highlighting the vision, mission, program outcomes, program specific outcomes, result analysis, achievements of the students, 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. The parents also discussed the problems and suggestions for improvement in the subjects with the respective subject teachers. Parents were happy with Good Academic Environment of the college. They also mentioned about Outcome Based Curriculum as good approach for their wards development.

### Departmental Installation

A Formal Installation was organized by the Computer Science and Engineering Department of Shri

Ramdeobaba College of Engineering and Management Nagpur (RCOEM), on 3rd January, 2019.

This ceremony is organized every year, continuing the tradition of Computer Science and Engineering department. The installation is a whole daylong event to encourage the students towards academic and extra-curricular activities and to provide a platform to showcase their technical skills.

The event was inaugurated on 3rd January, 2019. Mr. Shailesh Awale, Center Head and Director at HCL Technologies, Nagpur, was the chief guest for the occasion. He discussed about the current requirements of the industry and also guided the students to contribute for fulfilment of those requirements. He also emphasized the application of technology in the industry and various upcoming technologies that have great importance. Dr. R. S. Pande, Principal, RCOEM, delivered his motivating speech in which he inspired the students to do better in academic as well as co-curricular activities. Dr. M. B. Chandak, Head, CSE Department, motivated the students to bridge the gap between industry and academics for better employment opportunities. He also elaborated that students should take part in various competitions such as Hackathon to boost



Principal, RCOEM motivating students to do better in life during the Inaugural Function  
L to R (on the dais) : Dr. R. S. Pande  
(Principal, RCOEM) (on podium),  
Dr. M. B. Chandak (Head, CSE Department),  
Mr. Akhilesh Halve  
(DGM - Corporate Communication, Nagpur Metro),  
Mr. Shailesh Awale  
(Center Head and Director at HCL Technologies),  
Prof. D. Naidu (Professor in-charge).

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Stage Round of the event Eminence in progress with the finalists.

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Workshop on Arduino and Processing in progress for second years

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HOD, CSE felicitating Dr. R. Keskar



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### Departmental Installation



Students and faculty participated in workshop on Problem Solving

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

S.No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1	Prof.D.Naidu	Seminar on “Intrusion Detection and Network security “	20 <sup>th</sup> March 2019	Miss. Isha Mujumdar Cyber Security Analyst, Prevoyance Cyber Forensic Pvt. Ltd. Nagpur.

### Students’ Corner

#### Toppers List

Sr.No.	Second Year	Third Year	Fourth year
1	Sharvari Tapase (9.86)	Rakshit Kathawate(9.94)	Urvashi Kodwani(9.94)
2	Yavar Vazir(9.69)	Surbhi Khatri(9.77)	Ruchit Bhardwaj (9.83)
3	Ishika Ghosh (9.67)	Rajat Agrawal(9.77)	Saloni Katakwar (9.68)


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**03 Teams of RCOEM CSE Students Shine in Smart India Hackathon 2019**




**WORLD'S BIGGEST OPEN INNOVATION MODEL**  
SMART INDIA HACKATHON 2019



**Winner of Plezmo Statement in SIH 2019**  
Team AVANGUARDIA  
Anmol Deshpande, Aditya Sharma, Aman Shrivastava, Aashee Shrivastava, Keshav Lakhotia, Shruti Bichpuriya




**Winner of Infosys SIH 2019**  
Team IDEATORS\_22  
Surbhi Khatri, Janhavi Tatewar, Sheetal Hablani, Anuradha Dubey, Yash Gindodiya, Anirudha Agrawal




**Winner of Schneider Electric Statement in SIH 2019**  
Team CALLISTO\_06  
Pranay Sharma, Sahil Khan, Dinesh Yadav, Raashika Varma, Abhay Khandelwal, Swarup Laddha


Organizers



Partners



Communication Partners



Students receiving prizes in Smart India Hackathon 2019



S. No.	Name of Student	Event	Achievement	Date
1.	Sushant Kumar Sarthak Baiswar Poonam Agrawal Rakshit Kathawate Sourav Roy Aayushi Shamka Ateefa Ateeque Praja Bobde Arpit Kidile Sankalp Jain Vishal Kriplani Piyush Chotiya Pooja Yadav Chaitanya Asati Anshit Raika Atharva Kasangottuwar Manasi Namjoshi Kaivalya Sathe Neha Moharil Saurabh Agrawal Atharva Kasangottuwar Swaroop Prajapati Snehal Nerkar Anshit Raika Ashish Prasad Rupali Mohod Hardik Sharma Gaurav Sharma Saksham Madan Atharva Udupure Nikhil Sahu Sidrah Khan Shivam Singh Karan Rathi Kartikeyan Gupta Yash Lanjewar Manmeet Gandhi Swaroop Prajapati Pooja Agrawal	Smart India Hackathon	Participation	02/03/2019 TO 03/03/2019
2.	Vishvesh Dhobe Shreyas Kolte Suraj Dubey Srihari Kona Varun Mishra Priyal Sanklecha Mohammed Husain Vivek Jain Anshul Chauhan Param Paranik	SMART INDIA HACKATHON	Volunteered	02/03/2019 to 03/03/2019
3.	Ashlesh Dhumane	Workshop Transpreneur - 2018	Committee Head (Technical)	09/02/2018 to 12/02/2018

4.	Neha Moharil Pooja Agrawal Shubham Reddy Mayuri D. Soor Shreyas Paratkar	ABHIVYAKTI – (won the Intercollege Group Dance Competition named "To the beat" conducted by IIT Nagpur and got entry to perform at 'Abhivyakti's Got Talent' organized by IIT Nagpur)	1 <sup>st</sup> Winner	23/02/2019 to 03/02/2019
5.	Arpit Dekate	Mayors Hackathon 2019 Nagpur.	Innovation Award for developing web portal for online booking of community halls and Management of public spaces.	01/01/2019
6.	Rushabh Gaherwar	Code Chain SBJITMR	1 <sup>st</sup> Rank	24/01/2019
7.	Rajat Agrawal	CODEHUNT	1 <sup>st</sup> Rank	16/02/2019
8.	Adnan Husain	Codomania	2nd	15/02/2019 To 16/02/2019
9.	Adnan Husain Kartikeyan Gupta	CODEHUNT	1st	14/02/2019 TO 16/02/2019
10.	Ashutosh Sharma Kaushal Jaiswal	ENNOVATE'19  Poster Competition	Participation	16/03/2019
11.	Adnan Shoeb Husain Rima Jethmalani	Global Programming Competition	Participation	28/03/2019
12.	Aman Pawar	Kanetkar's Institute Of Computing and Information Technology		08/01/2019 to 12/03/2019

13.	Kaiwalya Joshi	Lokmat Times	Contribution as a regular Technical Article writer in newspaper	18/02/2019
14.	Priyal Sanklecha Shreyas kothari Om Pandey Malhar jadhao Mohammed Husain Prachi Kane Kaiwalya Joshi Yugandhar Deshkar Sudhanshu Patil	Ramakrishna Math	Participated in Yuva Sammelan as ambassadors of Math to spread the principles of Swami Vivekananda to set examples of high ethical and moral standards along professional journey.	12/02/2019
15.	Sankalp Jain	Prerna 10.0	Participation	
16.	Piyush Deshmukh Parikshit Pawde	Training at Thermal Power Plant, Butibori	Excellent	20/11/2019 to 20/12/2019
17.	Maithreyi N. Pagar	Technical Article Writing Competition	1 <sup>st</sup> Rank	
18.	Salil Parkar	Placement Trailer	2nd Rank	02/02/2019 To 03/02/2019
19.	Vaidehi Rai	University Swimming Tournament	3rd Rank	
20.	Mayank Rangali	Technical Article Writing Competition	Participation	
21.	Keshav Lakhotia	Web Portal	Participation as "Front End Developer" in web portal team, designed the Student's Achievement section of the web portal.	



22.	Vishal Kriplani Piyush Chotiya Yash A Kothari Anmol Deshpande Keshav Lakhota Kartikeyan Gupta	Workshop On Problem Solving	Participation	02/02/2019 To 03/02/2019
23.	Vishal Kriplani Piyush Chotiya	Workshop On Digital & Mobile Forensics	Participation	05/01/2019
24.	Keshav Lokhotia	Technical Writing	1 <sup>st</sup> Rank	
25.	Hardik Sharma	Polaris ACM	Participation	04/01/2019
26.	Keshav Lakhota	Technical Article Writing Competition	1 <sup>st</sup> Rank	06/01/2019
27.	Kunal Khadkeshwar	Placement trailer- competition aimed at	Finalist	01/01/2019 to 03/01/2019
28.	Sahil Palkar	acquainting students with placement procedure	2 <sup>nd</sup> rank	11/02/2019 to 12/02/2019
29.	Ashwin Mourya	Ennovate'19 Mini Project Smart electric saver	-----	16/03/2019
30.	Aashee Shrivastava	Artificial Intelligence A- Z Online Course	online course	22/03/2019
31.	Aashee Shrivastava	Deep learning	online course	22/03/2019
32.	Om Pandey	Online course	online course	24/03/2019
33.	Rushabh Gaherwar	Insomnia event	Awarded with internship opportunity for a cumulative stipend of Rs. 1,00,000/- for 10 weeks in Microland NGTC, 2019	4/3/2019
34.	Atharva Hingwe	Internship BPCL	Selected for the project work as an intern in BPCL	15/2/2019

## Students Performance in Competitive Exam

S. No.	Name of the student	Name of the Examination	Date	Sem	Marks Scored/total marks
1	Aditya Jain	GATE	17/03/2019	VIII	881 (AIR 60)
2	Sahil Shabbir Khan	GATE	17/03/2019	VIII	614
3.	Sahil Shabbir Khan	TOEFL	09/03/2019	VIII	109
4.	Sonal Rajurkar	GATE	17/03/2019	VIII	356
5.	Viraj Dharme	GATE	17/03/2019	VIII	503
6.	Divya Dashputra	CAT	2018-2019	VIII	120.45
7.	Seena Sabu	CAT	2018-2019	VIII	133.85

## Students Publications

S. N.	Paper Title	Name of the Student/ students	Conference / Journal (National/ International)	Conference/Journal details and place	Month/ Year	Recognition/ Awards Received, if any
1.	Mirr-Active, An Artificially Intelligent Interactive Mirror	Ruchit Bharadwaj	Publication (Conference)	2018 International Conference on Advanced Computation and Telecommunication (ICACAT)	29 December, 2018	Indexing: IEEE Xplore
2	Amortized Complexity Analysis of Red-Black Trees and Splay Trees	Ruchit Bharadwaj	Journal	International Journal of Innovative Research in Computer Science & Technology (IJRCST)	November 2018	Indexing: ICI & Google Scholar
3	Elevator control System using Finite Automata	Ruchit Bharadwaj	Journal	International Research Journal of Engineering and Technology (IRJET)	December 2018	Google Scholar & Scribd
4	Speed-up of Sequence Alignment Algorithms on CUDA Compatible GPUs	Pradyot Patil	Journal	International Journal of Research in Engineering, Science and Management	December 2018	SJIF Impact Factor

## 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	Stand Alone Systems on Solar Water Systems	12/02/2019	Course Solar Water Pumping Systems VarunMitra" organised by National Power Training Institute (N. P.T.I) Nagpur
2	Dr M. M. Renge	PV Characteristics and MPPT	14/02/2019	Course Solar Water Pumping Systems VarunMitra" organised by National Power Training Institute (N. P.T.I) Nagpur
3.	Dr M. M. Renge	FACTS Controller	21/02/2019	One week STTP on "Advances in Power Electronics and Power Systems"organised by Yeshwantrao Chavan College of Engineering Nagpur

#### Publications

S.N.	Name of the Authors	Title of the Paper	Name of the Journal/Conference /Book	Date of Conference/ Publication	ISSN/I SBN	DOI, vol., Iss., pp	SCI/ Scopus/IC I / Other (index)
1	Dr T. G. Arora	Life Model for PWM Controlled Induction Motor Insulation using Design of Experiments Method	Electric Power Components and Systems - Taylor and Francis Journal	31 Jan 2019	Print ISSN: 1532-5008 Online ISSN: 1532-5016	DOI: <a href="https://doi.org/10.1080/15325008.2019.1566843">https://doi.org/10.1080/15325008.2019.1566843</a>	SCI Indexed
2	Dr. Sanjay Bodkhe, Aparna Prayag	A Complete Analysis of New Generalized Asymmetric Multilevel Inverter Topology	IPASJ International Journal of Electrical Engineering	Nov. 2018	ISSN 2321-600X	Volume 6, Issue 11, pp. 15-29	Scopus Indexed
3	Reetabai Dhanale , Prof P. V. Kapoor	PV Based Three Phase Inverter	International Conference on Advances and Challenges in Energy Research (ICACER-2019)	March 15-17 2019			
4	Dr. Piyush Khadke	Book series chapter as "Fault Classification and Faulty Phase Selection Using Symmetrical Components of Reactive Power for EHV Transmission Line"	Applications of Artificial Intelligence Techniques in Engineering pp 31-42(SPRINGER)	Feb 2019	Online ISBN: 978-981-13-1819-1	DOI: <a href="https://doi.org/10.1007/978-981-13-1819-1_4">https://doi.org/10.1007/978-981-13-1819-1_4</a>	



## STTP/FDP/Other Training Attended by Faculty

S.No.	Name of Faculty	STTP/FDP/Training Attended	Duration / Date	Organizers of the event
1	Dr. Piyush Khadke	5 day TEQIP-III sponsored workshop on, "Smart Techniques in Power Systems"	15th - 19th March, 2019.	EE department, VNIT, Nagpur

## Faculty Achievements

Prof Vinay Barhate, HoD Electrical Engineering, who has been nominated as 'Member of the Policy holder's Council of Nagpur Division' by LIC's Divisional office Nagpur, for a period of two years w. e. f. 1st April 2017 to 31st March 2019. He participated in Meeting of Policy holder council at LIC, Nagpur on 14th February 2019.

## Departmental Activities

### Industrial Visits

#### Adani Thermal Power Station Visit

The students of B.E. VI Sem (Electrical Engineering) visited the ADANI THERMAL POWER STATION, TIRODA on 14th Feb 2019. There were 67 students with four staff members, Prof. R. G. Deshbhratar, Prof. Shrikant Naik, Prof. Ms. Sangita Deshmukh and Prof. Ms. Priti Kapoor. Prof. R. G. Deshbhratar was the visit coordinator. In the academic curriculum of BE-Fifth semester (Electrical), there is a subject titled, 'POWER STATION PRACTICE' in which, the students study the electrical power generating systems in detail, which needs some convenient exposure of such systems, to develop a better practical understanding about these systems in them. So, they started the journey at 9 in the morning and reached the ATPS at 12.30 pm. They witnessed the sophisticated and robust coal handling Plant, boiler furnaces & accessories, boiler & generator house with fully & partially automated Control Room of all 660 MW x 5 plants and accompanying sub-station bus and station transformers. Totally satisfied and astounded, they reach again to the college campus at 07.30 pm.



#### Nagpur Ordnance Factory Visit

The students of B.E. VI Sem (Electrical Engineering) visited the NAGPUR ORDNANCE FACTORY on 22nd & 23rd Feb 2019. Prof. R. G. Deshbhratar was the visit coordinator. The visiting time was 9.30 am to 12.30 pm on both days. On 22nd Feb, 28 students with staff members, Prof. Shrikant Naik & Prof. Ms. Prachi Salodkar visited the factory, whereas Prof. Ms. M. Palandurkar & Prof. Piyush Khadke headed the group of 20 students on 23rd Feb 2019. They enjoyed the visit by gaining the knowledge of the arms and ammunitions the nation ready for. The actual bomb shell production unit in real time working was amusing and robust, each and every phase of it, the students could witness was a great benefit to them. The students and the staff members accompanying them were happy and satisfied with this visit.



### Parents Meet, Alumni Meet and Departmental Installations or Events Alumni Meet Session 2018-19

The faculty-alumni interaction meet was held on 27th March 2019. Mr. Anand Salpekar Senior Vice President, Visa Steel Ltd, Alumni from Electrical Engineering Department visited to our college for campus placement recruitment of students. There was interactive discussion with faculty members on academic, industry requirement aspects and industry training to the students of final year electrical. It was an overall successful meet which was aimed at improvement of the overall performance of the student.



### Parent-Teacher Meet Session 2018-19

Parent-teacher meet was organized on 16/02/2019 (Saturday) at 11 am in Electrical Department Library. Total fourteen parents attended the meet.

Student's class test marks (Test-1) and attendance were shown to the Parents. The feedback of parents was obtained. Important suggestions for improvement given by parents are enclosed in the list.

The queries of the parents regarding placement, extracurricular activity, personality development programmes, educational tour, preparation for higher education, group discussion and quiz context, industry-institute interaction were answered by concern professor-in charges.

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

S.No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1	Introduction to PLC – SCADA & Its Applications in Electrical Engineering	Prof. P. R. Sawarkar RCOEM Nagpur	One day Work Shop	9-Feb-2019

### Introduction to PLC –SCADA & Its applications in Electrical Engineering



Department of Electrical Engineering had organized one day work shop on “Introduction to PLC–SCADA & Its Applications in Electrical Engineering” on 9-Feb-2019. The workshop was conducted as value added course for the students of 3rd year. This workshop was organized under banner of Electrical Engineering Student Association (EESA). Prof G. Goyal (Incharge EESA) & technical team of EESA had done hard work for organizing this workshop. Prof. P. R. Sawarkar conducted theory & Practical session in this one day workshop. 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. Demonstration of start stop logic, star delta starting of induction motor & some more applications wear executed in front of student.

This value added course was conducted under the guidance of Dr. V.T. Barhate (HoD,EE), & all senior faculty members of Electrical Engineering Department.

## Students' Corner

Toppers List (Combined list of two shifts) if applicable

SN	Second Year	Third Year	Fourth year
1	Kalyani Lande (10)	Akhilesh Payaskar (9.87)	Vaishnavi R Patil (9.8)
2	Gayatri R Tagalpallewar (9.34)	Ayushi M Malewar (9.5) Rohan S Shrivastava (9.5)	Namrata Mahakalkar (9.7)
3	Koustubh K Ghormade (9.12)	Utkarsha P Karale (9.42)	Mayank D Ranade(9.57)

## Student Achievements

S.N.	Name of Student/s	Event	Achievement	Date
1	Namrata Mahakalkar (IV year)	Placement	Placement in JSW Steel (5 LPA)	23-01-19
2.	Aniket A Amdare (IV Year)	GATE	Secured 53.67 marks	17-03-2019
3	Vinisha Chaudhary (IIIrd Year)	ENNOVATE -19 National Conference and Project Competition 2019 (RCOEM Nagpur)	Presented Paper and also participated in project Competition	16 <sup>th</sup> -17 <sup>th</sup> March 2019
4	Rohan Shrivastava (IIIrd Year)	Technex 19 Organised by ST. Vincent Pallotti College of Engineering & Technology	Participated in Carnebot Project Competition	24 <sup>th</sup> - 25 <sup>th</sup> Jan 2019
5	Rohan Shrivastava (IIIrd Year)	-	Participated in Robocup	22 <sup>nd</sup> - 24 <sup>th</sup> Feb 2019
6	Atharva A Sawargaonkar (IIIrd year) Nishant V Lokhande (IIIrd year)	Online non-credit course by University of Illinois at Urbana-Champaign and offered through Coursera	Successfully completed Energy, Environment, and Everyday Life	Eight Week Course 7 <sup>th</sup> Dec- 7 <sup>th</sup> Feb 2019
7	Yogesh Awadhiya Anurag Shrivastava (IIIrd year)	Diploma in Auto Cad 2D and 3D	Successfully completed	Three Month Course
8	Neha Nayak (IInd Year)	AXIS'19 at VNIT Nagpur	Secured 1 <sup>st</sup> Position in the event AQUAHUNT and Participated in Robocup	22 <sup>nd</sup> - 24 <sup>th</sup> Feb 2019
9	Parag Sonbirse Yogeshwar Chaudhari Shubham Selwante (IInd Year)	AXIS'19 at VNIT Nagpur	Secured 2 <sup>nd</sup> Position in the event AQUAHUNT	22 <sup>nd</sup> - 24 <sup>th</sup> Feb 2019



10	Mansi Mishrikotkar (IInd Year)	Yuvarang Inter- Collegiate Youth Festival organised by Students Development RTMNU Nagpur	Participated in LAVANI	21-24 <sup>th</sup> Feb 2019
11	Prateek Kumar Pande Ishan Yadav Saurabh Dutta (IInd Year)	AXIS'19 at VNIT Nagpur	Participated in Manual Robotics, Brainstorm and Robocup	22 <sup>nd</sup> - 24 <sup>th</sup> Feb 2019
12	Raghunandan Thakur (IInd Year)	AXIS'19 at VNIT Nagpur	Participated in Manual Robotics, Brainstorm	22 <sup>nd</sup> - 24 <sup>th</sup> Feb 2019
13	Raghunandan Thakur (IInd Year)	Yuvarang Inter- Collegiate Youth	Participated in Debate	21-24 <sup>th</sup> Feb 2019
14	Vishal Kumar Tiwari (IVth year) Akshay Gaurkar Ajay Pandey Mohanish Mahale Prithish Kunarpawar	AXIS'19 at VNIT Nagpur	Secured 1 <sup>st</sup> Position in the event AQUAHUNT and participated in Robocup	22 <sup>nd</sup> - 24 <sup>th</sup> Feb 2019

## Faculty Corner

### Guest Lectures taken by faculty

S.N.	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
1	Dr. S.S Balpande	Encoders and Sensors used in motors	22 Jan 2019	Short term Training Programme on Maintenance of Electrical motors and control panels Ordnance Factory Institute of Learning, Ambajhari , Nagpur
2		Industrial automation using PLC	29 Jan 2019	One day workshop on Industrial automation Electronics, Electronics and Communication departments along with Students forum and IETE students chapter KITS, Ramtek

## Department of Electronics Engineering

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### Publications

S.N.	Title of Paper	Name of Author(s)	Name of Conference/ Journal - Volume, issue, PP	Date of Publication	Type of Journal SCI/ ICI/ IEEE/ ACM/ Scopus etc.
1	Optimization of Energy Harvester for Trapping Maximum Body Motions to Power Wearables	Dr. S.S. Balpande Surendra Yenorkar	American Scientific Publishers, Sensor Letters, Volume 17, Number 1, pp. 46-54(9) DOI: <a href="https://doi.org/10.1166/sl.2019.4003">https://doi.org/10.1166/sl.2019.4003</a>	January 2019	Scopus Indexed
2	Energy Harvester: A Green Power Source for Wearable Biosensors	Mayuri Dhone, Dr. S.S. Baplande, Dr. J.P. Kalambe	American Scientific Publishers Sensor Letters, Volume 17, Number 1, pp. 55-63(9) DOI: <a href="https://doi.org/10.1166/sl.2019.3984">https://doi.org/10.1166/sl.2019.3984</a>	January 2019	Scopus Indexed
3	Design and Sensitivity Analysis of Micro-Cantilever Based Biosensor for Tumor Detection	Mary Salve, Mayuri Dhone, Prakash Rewatkar, Dr. S.S. Baplande, Dr. J.P. Kalambe	American Scientific Publishers, Sensor Letters, Volume 17, Number 1, January 2019, pp. 64-68(5) DOI: <a href="https://doi.org/10.1166/sl.2019.3981">https://doi.org/10.1166/sl.2019.3981</a>	January 2019	Scopus Indexed
4	Micro fluidic Microbial Fuel Cell to Harvest Energy from Urine	Chaitali Mankar, Mary Salve, Mayuri Dhone, Prakash Rewatkar, Dr. S.S. Baplande, Dr. J.P. Kalambe Dr. R.S. Pande Dr. Sanket Goel	American Scientific Publishers, Sensor Letters, Volume 17, Number 1, January 2019, pp. 64-68(5) DOI: <a href="https://doi.org/10.1166/sl.2019.3981">https://doi.org/10.1166/sl.2019.3981</a>	January 2019	Scopus Indexed

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

S.N.	Name of the Faculty	Conference/STTP/ Workshop/Seminar	Organized by	Date / Duration	Sponsorin g agency
1	Bhalchandra Hardas	Inclusive Technical Education in National Context: Challenges and Solutions-2019	Shiksha Sanskruti Utthan Nyaas, Nanded	11 -12 Jan 2019	
2	Nikhil Damle	Online Course on Electronic Measurements and Instrumentation	Udemy	21 Jan 2019	Udemy
3	Dr. S.S Balpande	KUTUHAL-Team Member	IMA Nagpur, VNIT Nagpur , Vigyan Bharati	9-11 Feb 2019	Vigyan Bharati
4	Snehal Laddha	one week STTP on "SIGNAL AND IMAGE PROCESSING FOR MEDICAL APPLICATIONS	Department of Electronics and Communication Engineering, VNIT, Nagpur.	20-24 Feb 2019	
5	Vikas R. Gupta	one week STTP on "SIGNAL AND IMAGE PROCESSING FOR MEDICAL APPLICATIONS	Department of Electronics and Communication Engineering, VNIT, Nagpur.	20-24 Feb-2019	
6	Dr. Kanchan Dhote	8 weeks Online Course on Fiber Optics	Indian Institute of Technology Roorkee	Mar 2019	NPTEL Swayam Platform
7	Nikhil Damle	Online Course no Introduction to Internet of Things(IoT)	Cisco Networking Academy	Mar 2019	Cisco-CSR

### Departmental Activities

#### ENTRIX 11.0

One week technical workshop for II year students ENTRIX 11.0 was organized from 4th January 2019. Mr. Amit Kale, Associate Vice President, Global Logic India Pvt. Ltd, was the Chief Guest for the inaugural function. Dr. R. S. Pande, Principal, RCOEM presided over the function. Dr.(Mrs.) A.A. Khurshid, HOD, Prof. Poorvi K. Joshi and Prof. Yogesh Thakare - Convenor ENTRIX 11.0 ; Mr Abhijeet Gupta, President ELECTOLITZ student society were prominently present..

Mr. Suraj Kanojia, Technical coordinator discussed about various sessions to be conducted in week long workshop related to BASIC AND ADVANCED ELECTRONICS, MATLAB, LABVIEW, ORCAD, EAGLE & PROTEUS, EMBEDDED SYSTEM DESIGN and MECHATRONICS. Chief Guest Mr. Amit Kale laid the importance of technical education and advised students to grab this golden opportunity of learning the fundamentals & participate in the technological revolution. Over 100 Students participated in this workshop. Souvenir of ENTRIX 11.0 was also released on the occasion. Mr. Abhijeet Gupta proposed vote of thanks.





**Souvenir of ENTRIX 11.0 release  
National Youth Day Celebration**

Electrolitz Student Society celebrated National Youth Day on 12 January 2019 to pay tributes to Swami Vivekanand on his birth anniversary. Staff and students offered salutations and remembered his powerful thoughts & ideals as stated below that continue shaping the minds of generations and inspire the Youth of India.

**"My faith is in the younger generation,  
the modern generation,  
out of them will come my workers."-**  
- Swami Vivekananda.

Youths are the most important part of the country who will lead the country ahead, and therefore they should draw inspiration from the ideals of Swami Vivekananda.



**National Youth Day Celebration**

## SEVA DISHA ACTIVITY

SEVA DISHA – a social responsibility cell of Electronics Engineering department managed by Electrolitz student's society is contributing towards the social cause every year. This year students contributed to Bharat Ke Veer Corpus Fund for Pulwama Attack. Also the students visited Surendragadh Municipal Corporation School on 28th March 2019 to conduct a workshop for enhancing computer based skills to students. The workshop was successfully conducted

by a team of five member's viz. Sonali Singh, Ruchi Rathi, Pallavi Gadewar, Swikruti Rithe, Shivi Dubey all from 4th semester Electronics department of RCOEM. In the workshop, the students were taught about the history of computer, the language of computer, its basic operations like creating a new folder, copying, pasting, handling the keyboard, mouse etc. Later the children were taught about the 'Microsoft paint' and its toolbar usage. Electrolitz society In-charges Prof. Poorvi K. Joshi and Prof. Yogesh Thakare coordinated the activity and student members of the Electrolitz society were also present at the event.



**SEVA DISHA Volunteers explain  
Computer fundamentals to students of Surendragadh  
Municipal Co-operation School**

## Conference, STTP and Guest Lectures organized in Department ENNOVATE-2019

ELECTROLITZ Student's Society of Electronics Engineering Department of Shri Ramdeobaba College of Engineering & Management, Nagpur organized a National Conference & Project Competition ENNOVATE-2019 on 16 March 2019. Dr. Rajesh Tiwari Senior Navigation Engineer at Nottingham Scientific Ltd. Nottingham, UK and visiting lecturer at Newcastle University, UK was the chief guest for the function. Dr. (Mrs.) A. A. Khurshid, Head of Electronics Engineering department presided over the function and staff members of Electronics Engineering Department were prominently present. The theme of the competition was "Challenge your Creativity". E-book of abstract was released on the occasion ENNOVATE-2019.

78 technical papers, 44 projects, 36 mini projects and 32 posters were selected & presented during the competition. Over 750 students from various colleges participated actively in event. The projects were evaluated by eminent experts from industries and academia. Awards for best paper, poster and projects were given to participants.



Release of Proceedings of ENNOVATE 2019

**Partial Delivery of courses by Industry Experts :**

S.N.	Title of Course	Topics Covered	Speaker	Date
1	Computer Communication Networks	Network Layer Routing and Switching (B.E. Electronics VIII Semester)	Sachin Meshram, Mangesh Chauhan HCL Technologies Mihan, Nagpur	11-12 Feb 2019
2	System Verilog for Verification	Design Verification in Synopsys (M Tech (VLSI Design))	Mr. Ankit Somani, MGR I ASIC Digital Design, Synopsys India Pvt. Ltd., Pune	23-24 Feb 2019
3	Microwave Engineering	Radar fundamentals, radar equations, Microwave imaging, EMI/EMC	Mr. Hitendra Pethkar, Scientist D, SAMEER Mumbai (R&D Lab of DIT, Govt of India	26 Mar 2019

**Students' Corner**

**Toppers List**

**UG-Electronics Engineering**

SN	Third Semester	Fifth Semester	Seventh Semester
1	Mr. Harshal Purushottam Rajurkar	Mr. Rajat Purushottam Tiwari	Mr. Mohit Arvind Jichkar
2	Ms. Trupti Padhiary	Mr. Janhavi Sanjay Sheorey	Ms. Geetakshi Rajesh Popali
3	Mr. Yash Jayant Indane	Mr. Vaishnavi Ramesh Wighe	Mr. Abhishek Rajendra Nampalliwar

**PG M. Tech VLSI Design**

S.N.	First Semester	Third Semester
1	Ms. Priyanka Pande	Mr. Shahnawaz Khan
2	Ms. Jisha Mohd Athar Qureshi	Ms. Sumedha Game
3	Ms. Ayesha Ziaullah Khan Shirazi	Ms. Akanksha Gadhwane Ms. Akshata Nistane

**Student Achievements**

SN	Name of Student	Event	Achievement
1	Arjun Anil Shinde	GATE-2019	AIR-1286, SCORE-661
2	Aman Sunil Butoliya	GATE-2019	AIR-1669, SCORE-634
3	Nishant Avinash Dongre	GATE-2019	AIR-2445, SCORE-592
4	Suhas Vijay Ramteke	GATE-2019	AIR-18435, SCORE-315

## Department of Electronics Design Technology

### Faculty Corner

#### Guest Lectures taken by faculty

Sr. No.	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
1	Dr. J.A.Shrawankar	Wireless technologies for Industrial Automations.	29 <sup>th</sup> January, 2019	Kavikulguru Institute of Technology and Science , Ramtek
2	Prof. Jitendra Zalke	Authored the Lesson on LPC2148 Microcontroller: Pulse Width Modulation for e-yantra	10 <sup>th</sup> February, 2019	e-yantra a project by MHRD Govt of India, run by IIT Bombay,

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

SNo.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1	Prof. Jitendra Zalke	Online NPTEL course on "Embedded System Design with ARM".	January – March 2019.	NPTEL course conducted by IIT, Kharagpur

### Departmental Activities

#### Industrial Visits :

An Industrial site visit to Raymonds Limited, Sausar, Chhindwara, MP was organized by the Department of Electronics Design Technology on 9th February, 2019. A group of 26 students got an opportunity to learn the basics of making of fabric from raw wool at the factory site accompanied by faculty members Dr. J.A. Shrawankar and Prof. (Mrs) Anju Gupta.

This visit helped the students to see practically the working of various sections of the factory, the work necessity and work understanding between the intermediate sections, and also understand the working challenges.



6th semester students with Dr. J. A. Shrawankar and Prof. Anju Gupta in front of Raymonds Ltd.

### Parents Meet, Alumni Meet and Departmental Installations or Events : PARENTS MEET

Parent teacher meet was organized by the department of Electronics Design Technology on 16th February, 2019. The aim of this meet was to discuss and review the progress of students with their parents, to make them aware about the teaching learning process, various co curricular and extracurricular activities and to seek their valuable suggestions. In the opening remark Dr. J.A.Shrawankar, PTM- faculty Incharge, welcomed all the parents and expressed the aim and objectives of this meet. Dr.(Mrs.)A.A. Khurshid , head of the department , explained about the teaching learning process in the department, various academic , co curricular and extracurricular activities usually conducted in the department and at institute level. She also shared the efforts taken at the department and institute level for the overall development of the students, avenues and opportunities available to the students for their academic and professional enrichment through incubation and entrepreneurship platform. Recent modifications like inclusion of online courses and summer /winter internship in the curriculum were also discussed with the parents. Dr.(Mrs.) A.A.Khurshid and Prof. Ruchir Nandanwar answered the queries of parents about placements and explained them about the efforts taken to improve the overall placements.





Dr.(Mrs.) A.A.Khurshid, HOD EN/EDT and Dr. J.A.Shrawankar interacting with the parents

## Conference, STTP and Guest Lectures organized in Department

1. Guest Lecture by Mr. Nisarg Oswal, Proprietor, Shivshakti Dal Mill, Wardhaman Nagar Nagpur, on "Entrepreneurship Development" was organised on 23/2/2019. 36 students from 4th & 6th semester got an opportunity to interact with the guest. Prof. Ruchir Nandanwar coordinated the event successfully.



Mr. Nisarg Oswal interacting with the student participants.

2. Prof. Jitendra Zalke and Prof. Ruchir Nandanwar organized the Spoken tutorial course on "C and CPP" for second year, Third Year and final year students from 28/01/2019 to 23/02/2019.

3. Prof. Jitendra Zalke and Prof. Ruchir Nandanwar organized the Spoken tutorial course on "Java" for second year, Third Year and final year students from 01/03/2019 to 30/03/2019.

One day Youth Convention was held on 12th February, 2019 at Ramkrishna Math, Nagpur on the occasion of 125th Anniversary of Swami Vivekananda's historic speech at Chicago. The convention aims to make aware and motivate the students about contributions made by Swami Vivekanand for nation building. It was a motivating and encouraging experience for our students which teach them social responsibilities and to make our contribution towards the nation building. Around 40 students from 4th and 6th semester EDT participated in a day long event. Dr. J.A.Shrawankar and Mr. Chandramohan Goyal (Sanskrit Teacher) accompanied the students.

## Students' Corner

### Report on One day Youth Convention @ Ramkrishna Math, Nagpur

Youth Convention was held on 12th February, 2019 at Ramkrishna Math, Nagpur on the occasion of 125th Anniversary of Swami Vivekananda's historic speech at Chicago. The convention aims to make aware and motivate the students about contributions made by Swami Vivekanand for nation building. It was a motivating and encouraging experience for our students which teach them social responsibilities and to make our contribution towards the nation building. Around 40 students from 4th and 6th semester EDT participated in a day long event. Dr. J.A.Shrawankar and Mr. Chandramohan Goyal (Sanskrit Teacher) accompanied the students.



Faculty and Students participants in one day Youth Convention at Ramkrishna Math, Nagpur

## Student Achievements

(A) Following students from final year have been selected in different companies through college campus interview till March 2019.

Sr. No.	Name of Students	Company Name
1.	Shubham Talkhande Karishma Meshram Apeksha Bondre	Infosys Technologies Ltd.
2.	Aditya Khedkar Inderjeet Kaur Sokhi Prajakta Duragkar	Tata Consultancy Services
3.	Twinkle Sharma	Tech Mahindra
4.	Iqra Ahmad	Cognizant
5.	Maheshwari Mathankar	Rising Star Mobile Pvt. Ltd

(B) Students are encouraged to undergo the industry internship for six months during 8th semester. Following students undergone for internship.

Sr. No.	Name of the Students	Industry Name
1	Prajakta Duragkar Aditya Khedkar Inderjeet Kaur Twinkle Sharma Rohit Gupta	TCS, Nagpur
2	Vaishnavi Pandav Utkarsha Dahasahastra	Siemens Ltd., Navi Mumbai
3	Sachi Ghosekar Shradhdhha Tarekar Iqra Ahmad	Dolphin Electronics, Nagpur
4	Subodh Dubey Prajakta Raut	EasyGo Technologies, Punc
5	Sweety Ashtikar Payal Hingave	Varroc Engineering Limited, Aurangabad

## Department of Industrial 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. V. S. Deshpande	A comprehensive quality function deployment model for improving academics of technical institutes	International Journal of Electrical Engineering & Education	25th Feb,2019	SSN: 0020-7209, E-ISSN: 2050-4578	<a href="https://journals.sagepub.com/doi/10.1177/0020720919833053">https://journals.sagepub.com/doi/10.1177/0020720919833053</a>	SCI
2	Dr.Pravin .P. Tambe	A methodology for combined maintenance decision with quality control and production scheduling for multi machine system.	International Conference on Industrial Engineering and Operations Management (IEOM) held in Bangkok, Thailand	March 5-7, 2019			
3	Dr.Pravin .P. Tambe	Cost Oriented Failure Consequence Analysis of Machine Components- A Case Study	International Conference on Industrial Engineering and Operations Management (IEOM) held in Bangkok, Thailand	March 5-7, 2019			
4	Prof. Sanjay Randiwe	Melting And Pouring Of Titanium Alloy (Ti6al4v Astm F-136 Grade 5) For Customized Implant Manufacturing: An Experimental Approach	Indian Foundry Congress New Delhi	29-31st jan,2019			

5	Prof. Himanshu M. Shukla, Prof. Mangesh P. Joshi	Formulation of Field Data Based Model to Reduce the Human Energy Expenditure of Manual Stirrup Making Activity	International Conference on Advances and Challenges in Energy Research ICACER 2019	15-17 Mar 2019			
6	Dr. Priya M. Khandekar	Development of Pedal Powered Groundnut	International Conference on Advances and	15-17 Mar			
7	Dr. Pravin P. Tambe, Dr. V. S. Deshpande	Development of Standard Operating Procedure for Mild Steel Bus Body	International Conference on Advances and Challenges in Energy Research ICACER 2019	15-17 Mar 2019			
8	Prof. Himanshu M. Shukla, Prof. Mangesh P. Joshi	Estimation of Human Energy Expenditure for Physical Work Performance Evaluation of Sawmill Operations	International Conference on Advances and Challenges in Energy Research ICACER 2019	15-17 Mar 2019			
9	Dr. V. S. Deshpande, Dr. Yogesh Deshpande	Lower Power Energy Investigations for Finish Cut Electrical Discharge Machining	International Conference on Advances and Challenges in Energy Research ICACER 2019	15-17 Mar 2019			
10	Prof. P. B. Shiwalkar	Energy Efficient Path Planning of a Mobile Robot using Fuzzy Logic Controller	International Conference on Advances and Challenges in Energy Research ICACER 2019	15-17 Mar 2019			
11	Dr. Yogesh V. Deshpande, Dr. A.S. Chatpalliwar, Dr. I.P. Keswani,	Energy Efficient Machining of Inconel 825 Using Cryogenically Treated Tools for Optimization of Surface Roughness	International Conference on Advances and Challenges in Energy Research ICACER 2019	15-17 Mar 2019			



12	Prof.Mangesh Joshi,Dr. V . S. Deshpande, Prof. Himanshu Shukla	investigation of Ergonomic and Energy Intervention in Roof Sticks Bending Facility	International Conference on Advances and Challenges in Energy Research ICACER 2019	15-17 Mar 2019			
13	Dr. Pravin P. Tambe	Need for Energy Efficient Cold Storage Solutions in India: An Overview	International Conference on Advances and Challenges in Energy Research ICACER 2019	15-17 Mar 2019			
14	Dr. D. R. Zanwar	Thermodynamic evaluation of VCERS with theoretical exergy analysis by using R22,R134a, R10a and R407c	International Conference on Advances and Challenges in Energy Research ICACER 2019	15-17 Mar 2019			
15	Prof.P. B. Shiwalkar	A novel approach to synthesis of double dwell crank rotor mechanism	International Conference on Advances and Challenges in Energy Research ICACER 2019	15-17 Mar 2019			
16	Dr. V. S. Deshpande	Improvement in OEE Using SMED at a Medium Scale Manufacturing Industry.	All Indian Seminar-Quality Progress	23-24, Feb, 2019			

## 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	Personnel interview Skills	9 <sup>th</sup> to 10 <sup>th</sup> March 2019.	Department of ECE and Department of HSS, VNIT
2	Prof. Ganesh Shetiye	Fuels ,Carbonization of coal and gas making	7 <sup>th</sup> Jan 2019	Ordnance Factory
3	Prof. Ganesh Shetiye	Combustion Furnaces	7 <sup>th</sup> Jan 2019	Ordnance Factory
4	Prof. Ganesh Shetiye	Incineration	8 <sup>th</sup> Jan 2019	Ordnance Factory
5	Prof. Ganesh Shetiye	Electric Furnace and Oven	8 <sup>th</sup> Jan 2019	Ordnance Factory
6	Prof. Ganesh Shetiye	Recuperation and Recovery	8 <sup>th</sup> Jan 2019	Ordnance Factory

## STTP/FDP/other Training Attended by Faculty

SNo.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1	Prof.Ganesh Shetiye	Training	11 <sup>th</sup> to 15 <sup>th</sup> March 2019	GIAN course on "Emerging Frontiers in Research and Innovation in Poro Biomechanics and medical Devices "by Dept of Mechanical engineering, VNIT.

## Faculty Activities :

- Dr. V.S. Deshpande has been invited as Technical Committee and reviewer of the 4th International Conference on Design and Manufacturing Engineering (ICDME2019) which will be held at Deakin University, Geelong, Australia during July 15-17, 2019.
- Patent Published on "Ergonomically designed Chair for Cerebral Palsy Patients" by Dr. Rashmi Shahu in the field of Bio Medical Engineering on 8th March 2019.
- Patent Published on "Human Powered Flywheel Motor Driven Pelletizer" by Dr. V.S. Deshpande on 8th March 2019.
- Dr.A.S.Chatpalliwar, Dr. Rashmi Shahu, Dr.Dinesh Zanwar and Dr. Pravin Tambe has been granted recognition as a Guide/ Supervisor for Ph. D. In the subject Mechanical Engineering under the faculty of Science and Technology by Board of Deans , RTMNU.
- Dr. Rashmi Shahu Has been awarded as "Outstanding Woman in Engineering" (Major Area of Study - Industrial Engineering) by 4th Venus International Women Awards - VIWA 2019.

## Departmental Activities

### Parents Meet

The Parent Teacher Meet for IV, VI and VIII semester was organized to discuss the academic performance of the students on Saturday 09/02/2019 from 10.00 am to 12.30 pm in the department of industrial engineering. 30 parents attended the Parent Teacher meeting. Parents were very happy to interact with the Faculty of the department. They praised the support and motivation given to their wards.



## Guest Lectures organized in Department

1. Industrial Engineering Society organised a guest lecture on “Smart manufacturing and Industry 4.0” on 16th February 2019 in the Industrial Engineering Department. The lecture was delivered by Dr.A. M. Kuthe who is a professor at CAD-CAM Centre, VNIT. He explained the importance of Industry 4.0 as the revolution in Industrial Engineering and it's scope. He also shared glimpse of his research work in the concept “Industry 4.0” . Around 90 students were present for the session. HOD, Industrial Engineering Dr. I.P Keswani, IES faculty In charge Dr. Yogesh Deshpande along with other faculty members were also present. Dr. I. P. Keswani felicitated the guest and vote of thanks was given by Dr. V.S. Deshpande.



2. A Guest lecture was organized on topic “Supply chain management- A Global Perspective” delivered by Mr. Parag Deoras . It was arranged for the students and Faculty members of the Industrial Engineering, 76 students attended the program. It was organized on Thursday 7th Mar 2019 in the Seminar Hall. He is A result oriented professional with over 30 years of global industrial experience (diverse industry sectors in a highly technical environment)– Flowserve Corporation / Arcelor Mittal / Royal Philips / Kirloskar Consultants / Bajaj Auto covering manufacturing operations/ industrial engineering, project management, procurement & supply chain (SC) functions. Significant experience in global supply chain/procurement P2P (Direct / Indirect/Logistics) with expertise and a proven track record of accomplishments in SC organizational transformation & Cross- functional process management, global sourcing (including emerging regions), strategic procurement (diverse commodities/complex supply markets). Now he is working with Flowserve Corporation (FLS), Netherlands in 2006 as WW Director Sourcing and Commodity Management.





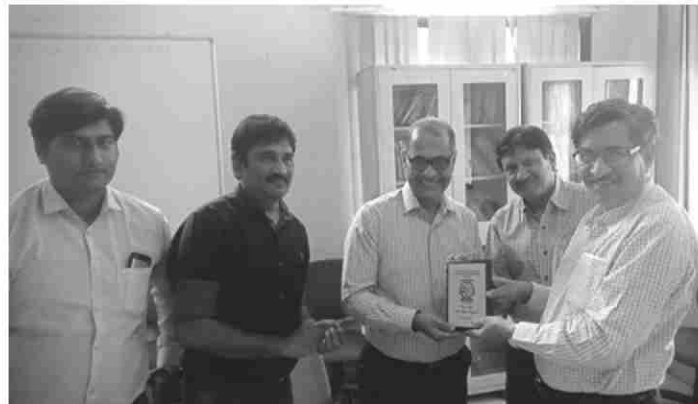
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students were present for the session. HOD, Industrial Engineering Dr. I.P Keswani, IES faculty In charge Dr. Yogesh Deshpande along with other faculty members were



## Students' Corner

### Student Achievements

1. Saksham Dugar, Gate Exam, AIR 192.
2. Shilpi Das, Rupal Umredkar, Presented paper on "Improvement in OEE Using SMED at a Medium Scale Manufacturing Industry" All Indian Seminar-Quality Progress, Nagpur, 1<sup>st</sup> Prize, 23-24, Feb, 2019.
3. Priyankshu Mukhopadhyaya, Amruta Adbe, Presented paper on "Need for Energy Efficient Cold Storage Solutions in India: An Overview" at International Conference on Advances and Challenges in Energy Research ICACER 2019, Participation 15-16 March 2019.
4. Yash Goyanka, Pratishruti 2019, Best player for Tag Rugby, 1<sup>st</sup> March 2019.
5. Gurbeer Singh Sokhi, Pratishruti 2019, Best Athlete, 1<sup>st</sup> March 2019.

Following students have successfully completed their  
Vocational Winter Internships

Sr.No	Industry	Student
1	AEROCOMAUTOMOTIVES PVT. LTD.	Amit Daryani
		Himanshu Mishra
		Karan Juneja
2	AUTOMATION CONTROLS	Khushboo Agrawal
		Muskan Agrawal
		Nupur Chandak
		Saloni Agrawal
3	DURAWELD METSYS PVT.LTD.	Anushri Misal
		Suman Choudhary
		Yash Jaiswal
4	JAGSHAAN INDUSTRIES	Ankit Ambarte
		Hardik Bhatia
		Yash Khandwani
5	SPANNKRAFT HYDROSYSTEMS PVT.LTD.	Sulagna Das
		Achint Bajoria
		Anshul Chandak
		Siddharth Choudhary
6	VRC PLASTOMOULD PVT. LTD.	Aayushi Mohata
		Aishwarya Bhuyar
		Abhinav Tiwari
		Sangam Jain
7	WELDFAST ELECTRODES PVT.LTD.	Gaurav Tripathi
		Harshit Sureka
		Nihal Rasekar
		Soham Deshpande
8	YASH FORGINGS PVT. LTD	Shashank Pahwa
		Shratik Jaswal
		Siddhash Marathe
		Swaphil Surjuse

## Department of Information Technology

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### Faculty Corner

#### Publications

SN	Name of the Authors	Title of the Paper	Name of the Book	Date of Conference/ Publication	ISSN/ISBN	DOI, vol., Iss., pp	SCI/ Scopus/ I CI / Other (index)
1	Dattatraya S. Adane Professor and Head, IT, Shri Ramdeobaba College of Engineering and Management, Nagpur, India.	To Monitor and Detect Suspicious Transactions in a Financial Transaction System through Database Forensic Audit and Rule-Based Outlier Detection Model	Organizational Auditing and Assurance in the Digital Age	February 2019	9781522573562	DOI: 10.4018/978-1-5225-7356-2 ch012 pp. 224-255	IGI Global

### Departmental Activities

#### Industrial Visits

- An Industrial Visit to ISRO Regional Remote Sensing Center, Nagpur was arranged by IT department for Third year students on 12th March 2019. Prof. A. V. Chandak along with 40 students visited the company.
- An Industrial Visit to Persistent, Nagpur was arranged by IT department for Second year students on 22nd March 2019. Prof. A. V. Chandak and Prof. R.H. Joshi along with 76 students visited the company.

#### Parents Meet and Departmental Event

- The Parent Teachers meet was organized by the Department of Information Technology on 16th February 2019 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.

- Information Technology department conducted the mega event "COLOSSEUM-19" – A national level technical symposium, under Semicolon Tech Club (STC) of RCOEM on 14-16 February, 2019. Following events were conducted at Colosseum-19: Ground Zero, Expresso(Public Speaking), Codemania, Box Cricket, Workshop on AWS Amazon Web Services conducted by Internal faculty Prof. Purshottam J. Assudani.



## Conference, STTP and Guest Lectures organized in Department

S.No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
01	Workshop on AWS (Amazon Web Services) under Colosseum	Prof. Purshottam J. Assudani, Assistant Professor, IT Department, RCOEM, Nagpur.	Two Days	14-15 February 2019
02	Industry Interaction	Mrs. Shubhada Jambhekar Assistant Manager, HR Operations, Torana Inc, Nagpur.	12.30 -2.30 pm	12-01-2019
03	Guest Lecture on Assembling a Computer	Mr. Nitin Narkhede, Hardware and Network Engineer, Datatronics Systems Private Limited, Nagpur.	11.30 am - 1.30 pm	12-01-2019
04	Guest Lecture on Concepts in Object Oriented Programming	Mr. Amogh Chitnis, Center Head at NIIT, Nagpur	12.30 -2.30 pm	23-02-2019
05	Guest Lecture on How ready you are for Industry	Mr. Ravi Rao, Head Retail Sales and Training, Inspire Apple Store, Nagpur.	12.30 -2.30 pm	09-03-2019
06	Industry Interaction	Mr. Rajan Pise, Team Leader, Persistent Systems, Nagpur.	11:30 am - 12.30 pm	18-03-2019

## Students' Corner

### Toppers List (Combined list of two shifts) if applicable

Sr. No.	Second Year	Third Year	Fourth year
1	Shivam Ashok Vishwakarma (9.82)	Rucha Madhusudan Shende (9.69)	Sakshi Shyam Nanwani (9.35)
2	Sanidhya Sanchit Pawar (9.73)	Bharat Sunil Makhija (9.41)	Arti Mannuchandra Pal (9.15)
3	Rohit Rajesh Channe (9.39)	Pranav Ishwar Barbate (9.2)	Shikha Madhusudan Agrawal (9.14)

## Student Achievements

SNo.	Name of Student	Event	Achievement	Date
1	Atul Pandit	Power Point Presentation (Metaforge 2k19)	First Prize	17-18 January 2019
2	Atul Pandit	Game of Code (Enkryptiaa 2k19)	First Prize	17-18 January 2019
3	Atul Pandit	Campus Experia (Enkryptiaa 2k19)	Second Prize	10-12 January 2019

Pratishruti				
4	Rajat Shukla	Table Tennis	Third Prize	January 2019
5	Rishika Chhabrani	Throwball (w)	First Prize	January 2019
6	Shamli Tibole	Throwball (w)	First Prize	January 2019
7	Muskan Chawla	Throwball (w)	First Prize	January 2019
8	Shivani Khatwani	Throwball (w)	First Prize	January 2019
9	Vinisha Kishnani	Throwball (w)	First Prize	January 2019
10	Vidhi Dadlani	Throwball (w)	First Prize	January 2019
11	Gautami Thakur	Throwball (w)	First Prize	January 2019
12	Siddharth Singh	Tag-Rugby	Second Prize	January 2019
13	Harsh Bajoriya	Tag-Rugby	Second Prize	January 2019
14	Nipul Singhal	Tag-Rugby	Second Prize	January 2019
15	Sharvil Chunne	Tag-Rugby	Second Prize	January 2019
16	Amit Goyal	Tag-Rugby	Second Prize	January 2019
17	Lokesh Chanchlani	Tag-Rugby	Second Prize	January 2019
18	Pranav Maheshwari	Tag-Rugby	Second Prize	January 2019
19	Rutwik Bhute	Volleyball	Third Prize	January 2019
20	Nipun Singhal	Volleyball	Third Prize	January 2019
21	Lokesh Chanchlani	Volleyball	Third Prize	January 2019
22	Praneet Bang	Volleyball	Third Prize	January 2019
23	Pranav Maheshwari	Volleyball	Third Prize	January 2019
24	Nancy Tolani	Cricket (w)	Third Prize	January 2019
25	Rishika Chhabrani	Cricket (w)	Third Prize	January 2019
26	Nidhi Rewatkar	Cricket (w)	Third Prize	January 2019
27	Shamli Tiboli	Cricket (w)	Third Prize	January 2019
28	Vinisha Kishnani	Cricket (w)	Third Prize	January 2019
29	Gautami Thakur	Cricket (w)	Third Prize	January 2019
30	Vidhi Dadlani	Cricket (w)	Third Prize	January 2019
31	Nidhi Rewatkar	Basketball (w)	First Prize	January 2019
32	Shamli Tibole	Basketball (w)	First Prize	January 2019
33	Gautami Thakur	Basketball (w)	First Prize	January 2019
34	Ketki Bukkawar	Basketball (w)	First Prize	January 2019
35	Humaira khan	Basketball (w)	First Prize	January 2019
36	Nipun Singhal	Badminton	Second Prize	January 2019
37	Kshitij Kadu	Badminton	Second Prize	January 2019
38	Sankalp Tiwari	Badminton	Second Prize	January 2019
39	Mudit Chaturvedi	Badminton	Second Prize	January 2019
40	Muskan Nevtia	Table Tennis	Third Prize	January 2019

### Students' Accomplishments :

- Rajat Shukla, Aishwarya Rathi and Krishnakant Joshi, students of IT, participated in "Hackathon for Mayor Innovation Award 2019" and presented an Innovative Idea for Sustainable Development of Nagpur City on 1<sup>st</sup> February 2019.
- 91.48% of 2018-19 Batch IT students got placed through campus drive till date.
- Top IT companies like Barclays, ZS Associates, Mu-Sigma, Softlink, Reliance Jio, Accenture, Infosys, Wipro, TCS, Infosys, Infocepts, Syntel and Persistent selected 67 students from the Department.
- 43 students from final year are doing Internship in various companies like Amazon, ZS Associates, Mu-Sigma Business Solutions, Reliance Jio, Infosys, TCS, Persistent, Infocepts and Value Labs.

## Department of Mechanical Engineering

### Faculty Corner

#### Faculty Ph D Awarded

Dr. Pranjali Deole (Dongre) has been awarded with 'Doctorate in Mechanical Engineering' in the 106th Convocation of R.T.M.N.U., Nagpur on 19th January 2019.

#### Awards received by Faculty of department

Dr. Sandeep Joshi from Department of Mechanical Engineering Department received 'RCOEM Young Researcher Award 2019'

Dr. Sandeep Joshi worked as session chair during 2nd International Conference on New Frontiers in Engineering, Science & Technology (NFEST 2019) with Theme of Advances in Mechanical Engineering at National Institute of Technology Kurukshetra in Feb 2019.

### 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	Vishal V. Shukla, Shubham Oza, Anant K. Kulkarni, Aboli K. Pingle	Thermal Analysis Of 3-D Printer Liquefier Indicates A Probable Cause Of Nozzle Clogging	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
2	Sanjaykumar A. Borikar, Dr. Mahendra M. Gupta	Performance Analysis Of Domestic Refrigerator Using Modified Condenser	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
3	Amol Andhare, Akshay Shewalkar	Performance Analysis Of Heat Pipe With Polytetrafluoroethylene As Wick Material Applied To Laptop Heatsink	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus



4	Aishwarya R. Dhurwey, Alok. K. Jha, Nikhil A. Bhawe, Dipti Morkar, K. N. Agrawal	Analysis Of Refrigeration System In Whirlpool - An Industrial Case	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
5	Ashutosh .V. Ilorkar, Amol.M.A ndhare, Alok.K. Jha, Mohan G. Trivedi	Design And Development Of Milk Vending E- Vehicle Using Vapour Compression Refrigeration System	International Journal of Mechanical and Production Engineering Research and Development (Transstellar	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
6	Shubham Hajare, Prof. S. A. Giri , Apurva Ambade, Juhi Ingole, Prof. M. M. Renge	Energy Conservation In Commercial	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
7	Sujit A Patil, Rahul Deshmukh, Amin Shaikh	Effect Of Tube Inclination And Magnetic Field On Heat Transfer Coefficient For Tube-In-Tube Condenser Of Vapour Compression Refrigeration System	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
8	Yogesh Joshi, D. R. Zanwar	Thermodynamic evaluation of vapor Compression Refrigeration System with theoretical exergy analysis by using R22, R134a, R410a & R407c	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus

9	Prof. Sachin S. Deshmukh, Aatif Badar Syed Ansar Ali, Saurabh Paltankar, Yaminee Tembhekar, Shubham Dudhbade	Performance Evaluation And Emission Measurement For Single Cylinder Diesel Engine Using Oxy-Hydrogen Gas As Alternate Fuel	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
10	Nikhil A Bhawe, Mahendra M. Gupta, Kamalkishor N. Agrawal, Bhushan	Performance And Emissions Predictions Of Direct Injection Diesel Engine	International Journal of Mechanical and Production Engineering Research and Development (Transstellar	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
11	Ashutosh Kalinkar, Saurabh Bhasme	A Review On Data Acquisition And Fault Diagnosis For A Proton-Exchange Membrane Fuel Cell	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
12	Diptanshu K. Pise, Pranjali S. Deole, Sandeep S. Joshi, Mohan Trivedi	Design And Performance Analysis Of Compound Parabolic Collector For Solar Water Heater	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
13	Swati Mor, Dr. Sandeep S. Joshi, Dr. Vishal V. Shukla	Thermal Management Of Photovoltaic Modules Using Conical Fins	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus

14	G. R. Nikhade, N. A. Bhave, Shrikant V. Kholgade, Aboli K. Pingle, Jitendra R. Vyas	Performance Analysis Of Conical Shape Solar Distillation Unit	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
15	Aishwarya R. Dhurwey, Vikrant P. Katekar, Sandip S. Deshmukh	An Experimental Investigation Of Thermal Performance Of Double Basin, Double Slope, Stepped Solar Distillation System	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
16	Satyajit Shankarprasad, S.S. Joshi	Recent Development In Solar Cooking Technologies	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
17	Sandeep S. Joshi, Apoorva A. Raut, Aboli K. Pingle, Renuka P. Rekhade	Design Of Windcatcher Mechanism And Fins For Cooling Of Solar Photovoltaic Module	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
18	Rectabai Sheshram Damahe, Mrs. P. V. Kapoor, Prof. M. M. Renge	PV Based Three Phase Inverter	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus

19	M. Junaid Khan,Dhan ali Shiwarkar, Amin Sheikh, Dr.Sandee p S.Joshi, Dr.A.M.A ndhare	Design And Performance Prediction Of Paraboloid Dish Indoor Solar Cooking System	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
20	Nishad N.Tawalar e,Bhushan C Bissa, Dr. K. N Agrawal, Swapnil Murkute, Prafull Shahare	Performance Investigation of Floating Photo Voltaic Systems	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
21	Sanshodhan Shende, Amol Andhare, Falgun Bhelkar, Naval Rajas, Vaibhav Thakur	Vertical Axis Wind Turbine Anefficient Way To Harness Power: A Review	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
22	Prajwal P Dharpure, Vaishnavi G Gupta, Shikhar M Chakravorty, V. V. Shukla, Y M Sonkhaskar	Selection of 320 W Solar PV Modules	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
23	Saurabh Bhasme, Ashutosh Kalinkar	Control Strategy For Fuel Cell Stack Cooling System In Automotive Applications :A Review	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus



24	Shivrai Kulkarni, Amol Joshi,	Optimization Of Energy Consumption: A Case Study In A	International Journal of Mechanical and Production	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-	-	Scopus
25	Priyankshu Mukhopadhyaya, Amruta Adbe, Dr. Pravin P. Tambe	Need For Energy Efficient Cold Storage Solutions In India: An Overview	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
26	Vikas D. Hiwase, Prof. M. M. Gupta, Kanchan A. Nandeshwar	An Approach To Energy Conservation In Commercial And Industrial Building With Focus On Air Conditioning	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
27	Dr. PRANJAL IDEOLE-DONGRE, MAHESH PATIL, MOHAN. G. TRIVEDI, PRATIK LOKHANDI	Cutting Parameters Optimization For Internal Turning Operation Using GA & ANOVA	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
28	Vishal V. Shukla, Shreyas V. Bhagwat, Mohan G. Trivedi, Alok Jha, Pramod Padole	Engineering Investigation Of Bio-Polymers	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
29	Yogesh V Deshpande, A B Andhare, A S Chatpalliwari, I P Keswani, A D Urade	Energy Efficient Machining Of Inconel 825 Using Cryogenically Treated Tools For Optimization Of Surface Roughness	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus

30	Mangesh Joshi, Vishwas Deshpande, Himanshu Shukla	Investigation Of Ergonomic And Energy Intervention In Roof Sticks Bending Facility	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
31	Abhishek Singh, A. K. Jha, P. B. Shiwalkar, S. R. Kulkarni	Energy Efficient Path Planning of a Mobile Robot using Fuzzy Logic Controller	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
32	A. D. Urade, V. S. Deshpande, Y. V. Deshpande, C. D. Vyas, S. S. Jonnalagada	Lower Power Energy Investigations For Finish Cut Electrical Discharge Machining	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
33	Sham Theng, Dr. V. S. Deshpande, Dr. P.P. Tambe	Development of Standard Operating Procedure for Mild Steel Bus Body	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
34	Himanshu M. Shukla, Dr. Mahendra M. Gupta, Mangesh P. Joshi	Estimation Of Human Energy Expenditure For Physical Work Performance Evaluation Of Sawmill Operations	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus

35	B. K. Patle, Nitin Gudadhe, Om Sahu, Sunil Kumar Kashyap, M. G. Trivedi	Energy Efficient Approach for Material Identification and Classification	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
36	Ashwin B. Ganorkar, Ramesh R. Lakhe, Kamalkishor N. Agrawal	Process Improvement In Small Scale Manufacturing Industry Using Work Study Approach	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
37	Falgun Bhelkar, Vishal V. Shukla, M. M. Gupta, K. N. Agrawal, J. P. Modak	Review On Bamboo As Source Of Green And Sustainable Energy	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
38	Nikhade G. R., Agrawal K. N., Pagaria S., Rudra M	Finite Element Analysis For Weight Optimization Of Formwork And Staging Of An Underpass	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
39	Jahier A. Shaaikh, Pranil V. Sawwalakhe, Dr. Vishal V. Shukla, Prof. Nitin P. Gudadhe, Prof. Mohan G. Trivedi	Experimental investigation and optimization of cutting parameters for high speed machining	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus

40	Jahier A. Shaaikh, Pranil V. Sawwalakhe, Vishal V. Shukla, Mohan G. Trivedi, Nitin P. Gudadhe	Data analytics in mastercam setup sheet for improved manufacturing	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
41	Pranjali S. Deole, Priya M. Khandekar	Development of Pedal Powered Groundnut Thresher	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
42	S. S. Kulkarni, S. S. Shende, F. Y. Bhelkar, A. Reddy	Conversion of vibrations to mechanical work to generate useful power: A theoretical hypothesis	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
43	Himanshu M. Shukla, Aishwarya Gupta, Dr. Sanjay Ikhar, Mangesh P. Joshi	Formulation Of Field Data Based Model To Reduce The Human Energy Expenditure Of Manual Stirrup Making Activity	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
44	P. B. Shiwalkar, S. D. Moghe, J. P. Modak	A Novel Approach To Synthesis Of Double Dwell Crank Rocker Mechanisms	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus



45	Dr. G. R. Potey, S.D. Abhyankar, S.S. Kulkarni, S.M. Pali	An Approach To Reduce The Maintainance Cost Of Existing Micro Hydro Power Plant By Intigrating It With Solar Photovoltaic Pumping System	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	15-17 March 2019	ISSN(Print) : 2249-6890 ISSN(Online):2249-8001	-	Scopus
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### STTP/FDP/Other Training Attended by Faculty

S.No.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1	Prof M. G. Trivedi	3D Printing with Embedded Systems	Nov 2018	RCOEM Nagpur and IITDM Jabalpur

### Departmental Activities

#### Industrial Visits

Prof. M. G. Trivedi has organized an Industrial visit at Sun Vijay Infrastructure Pvt. Ltd Unit I and Unit II Butibori MIDC, Nagpur for the Fifth Sem UG & First Sem PG Students on 21-2-2019, Thursday. The students was accompanied by Dr. G. R. Potey and Prof. N. P Gudadhe.

#### Parents Meet, Alumni Meet and Departmental Installations or Events

### ICACER-2019: International Conference on Advances & Challenges in Energy Research

International Conference on Advances & Challenges in Energy Research (ICACER-2019) organized by Department of Mechanical Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur has been inaugurated. The conference is organised in association with CSIR-NEERI, Institution of Engineers (India) as knowledge partners.

ICACER-2019 has been inaugurated on 15th March 2019 at Chitnavis Centre, Civil lines, Nagpur at the hands of Chief guest Shri. Prafulla Pathak, Chairman, Solar Energy Society of India (SESI), New Delhi. Dr. Shripal Singh, Scientist & Officer Incharge CIMFR was guest of honor. Shri Chandrakantbhai Thakar, Vice Chairman, RCOEM presided over the function, Shri Govindlal Agarwal, General Secretary, RCOEM, Shri Rajendra Purohit, Secretary,

RCOEM, Dr. R. S. Pande, Principal and General Chair, Dr. K.N. Agrawal, Convener and Dr. M. M. Gupta Co-Convener were prominently present.

At the outset ICACER-2019 has been inaugurated by lighting the traditional lamp. The founder chairman of RCOEM and Hon'ble Governor of Tamil Nadu, his Excellency Shri Banwarilal Purohit expressed his best wishes to the conference through his message, that was read by Dr. R.S. Pande. Principal, RCOEM, Nagpur.

Dr. K. N. Agrawal, Convener, ICACER-19, in his introductory remarks highlighted the various sessions, plenary talks and deliberations to be held during the two days of conference. The conference delegates are from research organizations, academic institutions in India and abroad and industry personnel. A total of 54 research papers will be presented in the two days of conference. All registered and presented papers are likely to be published in online special conference issue of IJMPERD, a Scopus indexed journal.

In his presidential address Shri Chandrakantbhai Thakar spoke about the direct relationship of electricity generation & development of the nation. He urged delegates and researchers to work for society and to use their research work for the benefit of common man.

The knowledge partners & Sponsors R.C. Plasto Tanks & Pipes Pvt. Ltd, Moil Ltd & Manmohan Minerals & Chemicals Pvt. Ltd. Were felicitated by the hands of President of the function Shri Chandrakantbhai Thakar. The abstract book was released by the hands of all dignitaries.

## ICACER-2019: International Conference on Advances & Challenges in Energy Research

International Conference on Advances & Challenges in Energy Research (ICACER-2019) organized by Department of Mechanical Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur has been inaugurated. The conference is organised in association with CSIR-NEERI, Institution of Engineers (India) as knowledge partners.

ICACER-2019 has been inaugurated on 15th March 2019 at Chitnavis Centre, Civil lines, Nagpur at the hands of Chief guest Shri. Prafulla Pathak, Chairman, Solar Energy Society of India (SESI), New Delhi. Dr. Shripal Singh, Scientist & Officer Incharge CIMFR was guest of honor. Shri Chandrakantbhai Thakar, Vice Chairman, RCOEM presided over the function, Shri Govindlal Agarwal, General Secretary, RCOEM, Shri Rajendra Purohit, Secretary, RCOEM, Dr. R. S. Pande, Principal and General Chair, Dr. K.N. Agrawal, Convener and Dr. M. M. Gupta Co-Convener were prominently present.

At the outset ICACER-2019 has been inaugurated by lighting the traditional lamp. The founder chairman of RCOEM and Hon'ble Governor of Tamil Nadu, his Excellency Shri Banwarilal Purohit expressed his best

wishes to the conference through his message, that was read by Dr. R.S. Pande, Principal, RCOEM, Nagpur.

Dr. K. N. Agrawal, Convener, ICACER-19, in his introductory remarks highlighted the various sessions,

## WORKSHOP ON VEHICLE DYNAMICS DESIGNING AND SIMULATION

### The RCOEM SAE Collegiate Club

RCOEM, Nagpur, 11/04/2019- In light to BAJA, an intercollegiate design competition to build off road cars organised by SAE India every year, a workshop was organised by the SAE Club of RCOEM in association with Lithos Motors on 23rd,24th,30th and 31st March. The four day workshop gave students a basic insight into designing and building an All Terrain Vehicle (ATV).

On the first day students were introduced to BAJA and SUPRA and were taught basic calculations on vehicle dynamics. The students were taught about braking system, wheels and tyres system and steering system on the following day. On the third day, concepts of suspension and chassis design were taken up and on the last day students were introduced to designing and analysis software, SolidWorks. The workshop was intended to prepare the interested students for BAJA, 2020 competition.

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

SNo.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1	ICACER-2019 International Conference on Advances & Challenges in Energy Research	Shri. Prafulla Pathak, Chairman, Solar Energy Society of India (SESI), New Delhi,	2 hours	15 <sup>th</sup> March 2019
2	ICACER-2019 International Conference on Advances & Challenges in Energy Research	Dr. Lalit Kumar Sahoo, Principal Scientist CSIR CIMFR Nagpur	2 Hours	16 <sup>th</sup> March 2019
3	Guest lecture on Career Opportunities in Indian Navy	Commander Ravi Pande Ex. Commander Indian Navy	2 Hours	26/03/2019
4	Guest Lecture on	Career Opportunities in IT Sector for Mechanical Engineers	2 Hours	26/03/2019

## Students' Corner

### Toppers List

Sr.No.	Second Year	Third Year	Fourth year
1	Shrayeshth Gupta	Vinayak Sood	Nehal Thakare
2	Anshul Satokar	Naval Rajas	Kaustabh Nanoti
3	Khushal Chopkar	Prabhat Janorkar	Vedant Karade

### Student Achievements

S.No.	Name of Student	Event	Achievement	Date
01	Ms. Aboli Pingle and Ms. Renuka Rekhade	Rajiv Gandhi National Institute for Intellectual Property Management (RGNIPM) Nagpur	Presentation and Certificate of Honour	8 March 2019.
02	Mr Abhishekh Singh	ICACER-2019	Best Paper	15-17 March 2019

## Department of Chemistry

### Faculty Corner

#### Publications

S N	Name of the Authors	Title of the Paper	Name of the Journal/Conference/Book	Date of Conference/Publication	ISSN/SBN	DOI, vol., Iss., pp	SCI/Scopus/ICI / Other (index)
1	Abhay Vijay Kotkondawar, Priti Mangrulkar, Snehal Wanjari, Pratap Reddy Maddigapu, Sadhana Rayalu	Photothermal hydrogen production from oxidative hydrolysis of electrochemically synthesized nano-sized zinc	International Journal of Hydrogen Energy (Impact Factor: 4.229) Scopus and SCI indexed	11/2/2019		10.1016/j.jhydene.2018.12.187	Scopus and SCI indexed
2	Dr. Sanjogta Meshram	Use of Different Catalysts for Green Synthesis'	'Energy and Environment Challenges (CE <sub>2</sub> C-2019) Department of Chemistry VNIT, Nagpur and TIFR, Mumbai	18 <sup>th</sup> -19 <sup>th</sup> January 2019			

## STTP/FDP/Other Training Attended by Faculty

SNo.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1	Dr. A. V. Bharati	International conference of 'Energy and Environment Challenges (CE <sub>2</sub> C-2019)	18 <sup>th</sup> -19 <sup>th</sup> January 2019	Department of Chemistry VNIT, Nagpur and TIFR, Mumbai
2	Dr. Sanjogta Meshram	International conference of 'Energy and Environment Challenges (CE <sub>2</sub> C-2019)	18 <sup>th</sup> -19 <sup>th</sup> January 2019	Department of Chemistry VNIT, Nagpur and TIFR, Mumbai
		National Conference on 'Chemistry for High Efficiency Materials	26-27 <sup>th</sup> March 2019	Post Graduate Department of Chemistry, R. T. M. Nagpur University.
3	Dr. S. L. Mudliar	International conference of 'Energy and Environment Challenges (CE <sub>2</sub> C-2019)	18 <sup>th</sup> -19 <sup>th</sup> January 2019	Department of Chemistry VNIT, Nagpur and TIFR, Mumbai
		National Conference on 'Chemistry for High Efficiency Materials	26-27 <sup>th</sup> March 2019	Post Graduate Department of Chemistry, R. T. M. Nagpur University.
4.	Dr. P. A. Mangrulkar	International conference of 'Energy and Environment Challenges (CE <sub>2</sub> C-2019)	18 <sup>th</sup> -19 <sup>th</sup> January 2019	Department of Chemistry VNIT, Nagpur and TIFR, Mumbai
5.	Dr. M. V. Joshi	National Conference on 'Chemistry for High Efficiency Materials	26-27 <sup>th</sup> March 2019	Post Graduate Department of Chemistry, R. T. M. Nagpur University.



## Department of Physics

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### Faculty Corner

#### Publications

SN	Name of the Authors	Title of the Paper	Name of the Journal/Conference/Book	Date of Conference/ Publication
1	Dr. Renuka Nafdey	Eco- friendly Transportation	International Conference on "Redefining Environmental Governance for Smart City" organized by RTMNU in association with Vidyapeeth Shikshan Manch	2nd March - 2019.

## Department of Mathematics

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1. Dr. R. G. Ghumde completed the NPTEL course on Linear Algebra and stood in top 5% among the applicants all over the India.
2. Dr. R. G. Ghumde attended the National Science Exhibition organized by CBSC at Center Point School . He attended the exhibition in the capacity of Judge.

## Department of Humanities

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### Faculty Corner

#### Awards received by Faculty of department

Dr. Asudani was conferred with, "Divyang Prerana Award" for his contribution to the field of disability welfare on the occasion of 70th Republic Day -26th January 2019 at the hand of Shri Chandrashekhhar Bawankule, the Guardian Minister of Nagpur.

#### Participation :

Dr. Vinod H. Asudani was invited to participate in All India Poet's meet on the occasion of republic day at Delhi by Sindhi Academy Delhi.

## Guest Lectures taken by faculty

Sr. No.	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
1	Dr. Vinod H. Asudani	Challenges before higher education in 21 <sup>st</sup> century	2 <sup>nd</sup> February 2019	UGC – HRD centre RTM Nagpur University.
2	Dr. Vinod H. Asudani	Sindhi poetry in the last 5 years	3 <sup>rd</sup> February 2019	Central Sahitya Academy Mumbai and Sindhi Sahitya Sabha, Nagpur.
3	Dr. Vinod H. Asudani	Contribution of youth to Sindhi Literature	9 <sup>th</sup> February 2019	NCPSSL, New Delhi and Bhartiya Sindhu Sabha, Nagpur.
4	Dr. Sonal Paliwal	Projective Techniques in Psychological testing: Rorschach	1 <sup>st</sup> March 2019	Post Graduate Department of Psychology, Hislop College, Nagpur

## Publications, Presentations and Books

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	Dr. Monika R. Seth and Dr. Vinod H. Asudani	Teachings of Lord Buddha and Management Principles	ITIHAS The Journal of Indian management	(Jan-March 2019)	ISSN 2249-7803	volume 9, issue 1 pg1-5.	ICI
2	Dr. Vinod H. Asudani	Contribution of Narayan Sham to Sindhi Literature	one day national Conference on Life and works of Narayan Sham organized by NCPSSL New Delhi at Bhopal	6th January 2019	-----	-----	-----
3	Dr. Vinod H. Asudani And Dr. Monika R. Seth	Cognitive approach to Gender equality	Interdisciplinary National Conference on 'Contours of Gender Justice organized by Centre for Gender Justice Studies, Maharashtra National Law University Nagpur	2nd March 2019.	-----	-----	-----
4	Dr. Vinod H. Asudani	Book- Inheritors of Fire	Publisher- Narendra Publication, Nagpur	January 2019	ISBN 97893 87608 177	-----	-----
5	Dr. Vinod H. Asudani	Book-Soft Corner	Publisher- Narendra Publication, Nagpur	February 2019	ISBN 97893 87608 214.	-----	-----

6	Dr. Sonal Paliwal	Functional Recovery after Stroke: Role of Irrational Beliefs	Journal of Clinical and Diagnostic Research	1st March 2019	0973-709X	DOI: 10.7860/JCDR/2019/39766.12655Vol 13, Issue 3, VC-01-VC04	Web of Science
7	Dr. Sonal Paliwal	Negativity Bias, time spent on mental processing and Subjective Well Being	International Journal of Current Research and Review	February 2019	2231-2196	DOI: 10.31782/IJCRR.2019.11403, Vol 11, Issue 4, pp.17-20	ICI

## Departmental Activities

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

SNo.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1.	Key employability skills for Engineering students (Organized by Dr. Deepshikha Mehra)	Mr. Hamza Shakir , Entrepreneur	2 hours	18 <sup>th</sup> January 2019
2.	Guest lecture on "Road Map for success". Organized by:- Dr. Monika R. Seth	Mr. Akhil Kasturkar Aptitude trainer, motivational speaker and proprietor of banking solution.	2 Hr ( 8:30am - 10:30 am )	1 <sup>st</sup> February 2019
3.	An introductory workshop for Post Graduate students of RCOEM on "Simplifying Writing: Functional Grammar for Research and Professional Use" (Co-ordinators: Dr. Deepshikha Mehra and Prof. Pratishruti Singh) Organizers: IQAC and Department of Humanities	Prof. Pratishruti Singh	3.5 hours	6 <sup>th</sup> February 2019
4.	Personal Interview Strategies and Resume Making (Organized by Dr. Deepshikha Mehra)	Mr. Raveesh Jaiswal, HR CEAT Tyres	1 hour	9 <sup>th</sup> February 2019
5.	Interview Skills (Organized by: Dr. Sonal Paliwal and Ms. Akanksha Deshpande)	Dr. Micah Aiyub, Independent HR Trainer and Consultant	2 hours	5 <sup>th</sup> March 2019

## Department of Physical Education

### Faculty Corner

#### Publications

S N	Name of the Authors	Title of the Paper	Name of the Journal/Conference/Book	Date of Conference/Publication	ISSN/IS BN	DOI, vol., Iss., pp	SCI/ Scopus/ ICI / Other (index)
1	Dr. Amrita Pande	"Personality profiles of Athletes and Non-Athletes"	International Conference of Sports Psychology and Yogic Sciences organized by Department of Physical Education & Sports and IQAC Dr. Ambedkar College, Deekshabhoomi, Nagpur	16-17 February 2019	e-ISSN 2347-503X; p-ISSN 2347-5021	Vol: 04; Issue: 02;	

#### Staff Cricket

- During the Annual Sports Day, Faculty cricket was organized on the Cricket Ground of RCOEM, New Campus on 2nd February 2019, wherein almost 55 Faculties participated enthusiastically.



- Asst. Prof. Saket Kanetkar was the member of selection committee for R.T.M.N.U Basketball Men & Women Team.

#### Departmental Activities :

##### West Zone Inter University Women's Cricket Tournament

This year, the college conducted West Zone Inter-University Women's Cricket Championship (Zone B) organized by Rashtrasant Tukdoji Maharaj Nagpur University from 30 January to 6 February 2019. This event was held on the New Campus, RCOEM. Total 11 teams participated in B Zone and a total of 4 matches were scheduled on the Ground. The participating teams were M.C.B.U Chattarpur, MP, SGSU, Gandhi Nagar, Gujrat, B.A.M. University, Aurangabad, Gujrat Vidyapeeth,

Gandhinagar, MCBU, Chattarpur, M.P, MDSV, Ajmer, LNIPE, Gwalior and BAMU, Aurangabad

##### LNIPE, Gwalior where the Zone Champions



##### UDGHOSH 2K19

The college playground of Shri Ramdeobaba College of Engineering & Management was filled with great zeal, excitement and frolicsome atmosphere from 20-31<sup>st</sup> January 2019 as the Department of Health, Physical Education and Sports Organized its 3<sup>rd</sup> season of UDGHOSH 2K19: An Invitational Inter-Collegiate Sports Festival which was held in the New Campus of RCOEM, Mohalli.





The Valedictory of UDGHOSH 2K19 was held on 31st January 2019 at Main Auditorium of the College. Dr. A.P.Joshi (HOD, Dept of Phy edu, Dr. Ambedkar College) was the Chief Guest whereas; Dhanashree Lekurwale (renowned Yoga performer) was the Guest of Honor. Shri Govindlal Ji Agrawal, the General Secretary of RCOEM, motivated the students to participate in Physical activities along with good academic records and congratulated the winners. The prize distribution ceremony started with the Guest's remarks. The events filled in the hearts of everyone with the spirit of sportsmanship and unity. Dr. Mohgaonkar Sir (Dean, II Shift) and Dr. R. S. Pande Sir (Principal RCOEM) gave the opening remark and Principal's address respectively.

The Overall results are as follows.

Sr. No	Sport	Winners	Runners	
1	Cricket	Annasaheb Gundewar College	Shri Ramdeobaba College of Engineering & Management, Nagpur	
2	Basketball	YCCE, Nagpur	Hislop College, Nagpur	
3	Football	Anjuman College, Nagpur	Raisoni College, Nagpur	
		<b>I place</b>	<b>II Place</b>	<b>III Place</b>
4	Chess (F)	Gautami Thakre (RCOEM)	Radha Pawar (RCOEM)	Poorva Tiwari (RCOEM)
	Chess (M)	Puru Kumar (RCOEM)	Praveen Kumar (RCOEM)	Shivam Thakur (RCOEM)

## Student's Corner

### Inter-University Colour Holders

Sr. No.	Name	Branch & Year	Sport
1	Samruddhi Khamgaonkar	EC III	Table Tennis
2	Shreshtha Gole	EN I	Table Tennis
3	Shakuntal Pawar	I	Lawn Tennis
4	Shivam Singh Thakur	EN III	Hockey
5	Vibhav Singh Thakur	Mech III	Football
6	Samarjit Pande	I	Badminton
7	Kritika Verma	EN IV	Chess
8	Siddha Deshmukh	I	Basketball
9	Sneha Tembhre	I	Basketball
10	Hrushikesh Deshmukh	MCA	Gymnastics

## Annual Sports Day/Annual Athletic Meet

On the occasion of Annual Sports Day, 1st and 2nd February, 2019 our college hosted the Annual Athletic Meet which began with the torch march by following color holders of the college. It had 12 events in running, 2 events in jumping and 4 events in throwing.



During the Valedictory function on 2nd February, Principal, Dr.R.S.Pande along with other faculties of the institute were present. They enjoyed and appreciated the charm of the 4x100 mts relay event. Later, the medal distribution ceremony was conducted by the hands of principal and other faculty members present.

The best athletes declared were:

- 1) Shruti Daharwal (W) - EN
- 2) Gurbeer Singh Sokhi (M) – IND

The overall branch-wise results are as follows :

Position	Men	Women
I	IND	EC
II	EN	EN
III	CSE	Civil

## UDAN: Inter-Collegiate Invitational Sports Tournament

UDAAN 19.0 was organized by Priyadarshini Group Of Institutions from 11th Feb to 23rd Feb, 2019 in which our college sports teams participated with a lot of enthusiasm and emerged winners in most of the sports the team participated in.

Sr.No.	Game	Date	Position
1	Table Tennis (W)	22 Feb	Champions
	Table Tennis (M)	22 Feb	Champions
2	Basketball(W)	21-23 Feb	Champions
	Basketball (M)	21-23 Feb	Participated
3	Football(M)		Champions
4	Cricket (M)	11-20 Feb	Participated
5	Volleyball (M)		Participated



## Porwal's Invitational Intercollegiate Football Championship

The football team of RCOEM participated in the Porwal College Inter-Collegiate Football Championship on 7th Jan 19.

During the Valedictory function on 2nd February, Principal, Dr.R.S.Pande along with other faculties of the institute were present. They enjoyed and appreciated the

charm of the 4x100 mts relay event. Later, the medal distribution ceremony was conducted by the hands of principal and other faculty members present.

Games	Date	Winner	Runner- Up
Football (M)	2-5 Jan 19	EC	IND
Throw-Ball (W)	2-5 Jan 19	IT	EC
Cricket (M)	7-12 Jan 19	IND	EC
Basketball (M)	7-12 Jan 19	IND	CS

The best athletes declared were:

- 1) Shruti Daharwal (W) - EN
- 2) Gurbeer Singh Sokhi (M) - IND

The overall branch-wise results are as follows :



Sr. No.	Best Sports Person	Year	Department
1	Samruddhi Khamgaonkar	III	Electronics and Communication
2	Shivam Singh Thakur	III	Electronics



### Best Sports Person :

Sr no	Games	Men/ Women	Best Players(Name)	Branch & Year
1.	Badminton	Men	Vinay Makode	EN III
2.	Badminton	Women	Trupti Prachand	IND III
3.	Table-Tennis	Men	Rushibh Vyas	CIV IV
4.	Table-Tennis	Women	Samruddhi Khamgaonkar	EC III
5.	Chess	Men	Ritesh Dalal	CSE IV
6.	Chess	Women	Gautami Thakre	MECH II
7.	Basketball	Men	Shrijeet Shivdekar	CSE II
8.	Basketball	Women	Palak Baid	IT IV
9.	Volleyball	Men	Vijay Ratan Singh	EP IV
10.	Volleyball	Women	Vaishnavi Vighe	EN III
11.	Cricket	Man Of The Match	Yash Goyanka	IND III
		Player Of The Tournament	Vikram Sawad	EN IV
12.	Cricket	Women	Sonam Verma	EC III
13.	Athletics	Men	Gurbir Singh Sokhi	IND III
14.	Athletics	Women	Shruti Dharwal	EN III
15.	Throw Ball	Women	Mansi Parhadkar	EC IV
16.	Football	Men	Harsh Thaliani	EC III
17.	Tag-Rugby	Men	Yash Goyanka	IND III

## Sports Cup :

**PRATISHRUTI** : Sports Cup is awarded during the Annual Cultural Event every year to the Branch having maximum Sports Championships. Students from all the branches of RCOEM participates with full enthusiasm in various indoor and outdoor sports events. The objective of this event is not only to enhance the sports skills of students but also to encourage the competitive spirit and positive zeal between the students of different branches. This year, the Branch Cup was awarded as follows:

Branch	Category
EC	Women's Category
Industrial	Men's Category
<b>Fair Play Award</b>	Electronics



## Department of Computer Application

### Faculty Corner

#### Faculty PhD Awarded

Prof. Abhijit Ramesh Thakare has successfully completed his Ph.D. degree defence and the notification to that effect was published on 16th October, 2018 by VNIT, Nagpur. The Title of the thesis is "Automatic Extraction of Product Entities and Attributes from World Wide Web". The research was carried at Visvesvaraya National Institute of Technology, Department of Computer Science and Engineering, under the supervision of Dr. P.S. Deshpande, Computer Science and Engineering, VNIT, Nagpur.

**Faculty Achievements** : 1. Prof. Neha R. Kasture completed the course "Applied Machine Learning in Python" from Coursera. 2. Prof. Neha R. Kasture Registered for Ph.D. Program in Winter-2018 at Indian Institute of Information Technology, Nagpur, under the Supervision of Dr. Pooja Jain.

### 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	Prof. Nilesh Korde, Dr. Abhijeet Thakare	Smart Shelve Management System Using IOT-A Novel Approach	2018 3rd International Conference For Convergence in Technology (I2CT)	Conference: 6-8 April 2018  Added to IEEE Xplore: 12 November 2018	ISBN: 978-1-5386-4273-3	DOI: 10.1109 /I2CT. 2018.8529415	Scopus



2	Prof. M. Motghare, Dr. P.S. Voditel	A Multilevel Cache Management Policy for performance improvement in Distributed Systems	Helix International Journal,	October, 2018	PISSN No 2277_3495, EISSN – 2319-5592	Helix Vol.8, DOI 10.29042/2018-4530-4534	ESCI
3	Prof. Neha Kasture	Influences of Deep Learning on Recommendation Systems	Helix International Journal,	October, 2018	PISSN No 2277_3495, EISSN – 2319-5592	Helix Vol.8, DOI 10.29042/2018-4340-4344	ESCI
4	Prof. Gunjan Keswani	Data Dissemination protocols for reprogramming wireless sensor networks: A Survey	Helix International Journal,	October, 2018	PISSN No 2277_3495, EISSN – 2319-5592	Helix Vol.8, DOI 10.29042/2018-4409-4412	ESCI
5	Prof. Satyajit Uparkar S. Dhote	Critical Evaluation of Entrepreneurial tendency in Engineering graduates	Helix International Journal,	October, 2018	PISSN No 2277_3495, EISSN – 2319-5592	Helix Vol.8, DOI 10.29042/2018-4161-4166	ESCI

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

S. No.	Name of Faculty	STTP/FDP/Training Attended	Duration/Date	Organizers of the event
1	Prof. Vishnu Vardhan	Certificate course in Sanskrit language of non-formal Sanskrit Education	August 2017 to April 2018	Rashtriya Sanskrit Sansthan
2	Prof. Aparna Gurjar	NPTEL-AICTE Faculty Development Programme on Introduction to Machine Learning	August-October 2018	IIT Kharagpur
3	Prof. M. M. Motghare	Short term training program on 3D Technology and Embedded Electronics	13-17 November 2018	Rcoem, Nagpur

## Departmental Activities

### Industrial Visits

Industrial Visit to MRSAC, VNIT CAMPUS, Nagpur

The Department of Computer Application had organized a short local industrial visit to “Maharashtra Remote Sensing Applications Centre”, VNIT campus, Nagpur, Maharashtra-440011 on Tuesday, 29th January 2019 from 11 am to 2.30pm. Total 120 students of IInd and IVth semester visited the MRSAC, Nagpur under the guidance of Prof. Mohini Upasani, Dr. Sachin Upadhye and Prof. Manda Ukey. Mr. Sanjay Apturkar, Associate Scientist, MRSAC and his team welcomed the students and the staff of the department, at MRSAC, Nagpur. Mr. Sanjay Apturkar gave a brief introduction of working environment of MRSAC. Dr. N. Khobragade, Resources Scientist, MRSAC conducted very informative session on Remote Sensing, GPS, GIS, 3D Visualization, Fuzzy Logic, Neural Network, Satellite Image Processing and Drone Technology. He also discussed some Application Areas and motivated the students to select their domain and area of interest. The session was concluded with the Question- Answer session. Students asked different questions to the Company Experts on GIS & GPS etc.

**Please insert the following Images which are attached separately**



## Parents Meet, Alumni Meet and Departmental Installations or Events

MCA WAD'19 (22ND JAN – 25TH JAN 2019)

A four day workshop on aptitude development was conducted for the students by the Department of Computer Application from 22nd January to 25th January 2019. About 151 students attended the workshop. On 22nd Jan a formal inauguration of MCA WAD'19 was performed by the hands of Chief Guest Mr. Pranav Parikh, Vice President, and Chief of Staff, Health Plan / CDAI division, CIOX Health. Mr. Pranav Parikh then addressed the student participants. He recounted his industry experiences and urged the students to choose a domain and plan for career advancement. Dr. Preeti Voditel also interacted with the students on the occasion. Daily aptitude tests were conducted for all the participants, along with events like “Extempore” and “Ad-making”. Sessions on various topics like Interpersonal Communication, Language Comprehension and Word Usage in English Language, Quantitative Aptitude, Logical Reasoning/ Data Interpretation, Group Discussion, Personal Interview Techniques, Resume Writing and Vedic Mathematics were conducted by invited experts. Top ten students who performed exceptionally well in overall WAD activities like aptitude test, extempore and ad-making were felicitated. Individual appreciation certificates were given to all participants of top three ad-making groups. Three students who scored top marks in extempore events were also presented certificates.

S. No.	Name of Expert	Session Topic
1.	Ms. Beena Mathew	Interpersonal Communication, Language Comprehension and Word Usage in English Language
2.	Mr. Kartik Vyas and Ms. Gayatri Phadnis	Quantitative Aptitude
3.	Mr. Hitesh Dewani	Group Discussion
4.	Mr. Kartik Vyas and Gayatri Phadnis	Logical Reasoning/ Data Interpretation
5.	Rozina Rana	Resume Writing
6.	Hitesh Dewani	Personal Interview Techniques
7.	Mr. Kartik Vyas and Ms. Gayatri Phadnis	Tips & tricks, common interview questions and general career guidance
8.	Dr. Yogesh Deshpande	Spread the wings
9.	Manmath Deshpande	Vedic Mathematics

## List of Toppers of MCA WAD'19

Rank	Name of Student	Marks (280)
1	Mayur Easwaran	195
2	Dipesh Mishra	193
3	Jatin Kothari	192
3	Yash Khankhoje	192
4	Namrata Bokde	191
5	Aanchal Patle	189
6	Namannoor Jabbal	188
7	Siddharth Jain	186
8	Sakshi Tete	184
9	Bharat Chhabriya	180
10	Anu Pandey	179
10	Prajwal Bhoyar	179

## INSTALLATION CEREMONY OF STUDENTS REPRESENTATIVE COUNCIL

### *Chrysalis 2018*

This year Chrysalis was held from 29 September to 2nd of October 2018. It included various events such as Color day, Ingenious (Mr. and Miss Chrysalis), Sports day, Traditional day, Technical day, Inaugural Ceremony and Cultural Evening.

The inaugural function of Chrysalis was graced by the presence of Mr. Pratyush Kumar, Marketing Manager, Infocepts, Nagpur. The chief guest, gave a very inspiring speech to the students. Dr. P.S.Voditel HOD, MCA also addressed the students during the ceremony.

Dr. Pravin Karmore, SRC in-charge as well as Mr. Mohit Thapa, President of SRC also spoke on the occasion. The formal event concluded by badges and certificates distribution to all SRC members, winners and volunteers.

There was singing, Dancing, Fashion show and Skit performances by the students which set the stage on fire. It was a kaleidoscope of different hidden talents and hard work where all the students came together and gave the Impression of "UNITY IN DIVERSITY".



## INSTALLATION CEREMONY OF STUDENTS REPRESENTATIVE COUNCIL

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This year Chrysalis was held from 29 September to 2nd of October 2018. It included various events such as Color day, Ingenious (Mr. and Miss Chrysalis), Sports day, Traditional day, Technical day, Inaugural Ceremony and Cultural Evening.

The inaugural function of Chrysalis was graced by the presence of Mr. Pratyush Kumar, Marketing Manager, Infocepts, Nagpur. The chief guest, gave a very inspiring speech to the students. Dr. P.S.Voditel HOD, MCA also addressed the students during the ceremony.

Dr. Pravin Karmore, SRC in-charge as well as Mr. Mohit



S.No.	Conference/STTP/Guest Lecture organised	Speaker (with Affiliation)	Duration	Date
1	“Personal Interview and Resume Writing”	Mr. Raveesh Jaiswal Manager- Employer Branding and Communications in CEAT Tyres at Mumbai	2 hours	9 <sup>th</sup> Feb, 2019

### Students' Corner

#### Toppers List

1. Deepakkumar Karn (9.7), Ajinkya Kapse (9.31), Dinny Varghese (9.94).
2. Snehal Sontakke (9.48), Aditya Chaturvedi (9.19), Diksha Jagre (9.53)
3. Ritesh Nimje (9.22), Ankita Kurzekar (9.09) , Sacchu Dhakate (9.21)

### Student Achievements

#### One Year Internship

The Department of Computer Application has taken the initiative of starting one year internship for final year students from the session 2018-19. The following students have been selected for 1 year internship.

1. Karishma Sharma, Health Coco, 1 Year.
2. Rushikesh Deshmukh, Health Coco, 1 Year.
3. DSV Sadhana, Host Analytics Software Pvt Ltd., 1 Year.
4. Onkar Tekade, Kloud Data Enterprises, 1 Year.

#### Job pre-offer

Ajinkya Kapse, final year MCA student has bagged the job confirmation pre-offer of Rs. 6 lac pa from Eaton Technologies Pvt. Ltd. He has also been selected for six month internship in the same company.

#### Internship Record Session 2018-19

The students of final year MCA have been placed as interns in around 22 renowned IT companies at Nagpur, Pune and Hyderabad. Total 72 students of final year, MCA batch 2018-19 are pursuing internship through departmental internship efforts. Internship drive was arranged and coordinated by Dr. A. Thakare (T & P In-charge), Prof. K. Roy (T & P coordinator) and Prof. M. Motghare (T & P coordinator). All the internship students are paid stipend which ranges from Rs. 5,000 to Rs. 25,000 p.m



S. No.	Name of the students	Semester	Institute/Organization/Industry	Date	Duration
1.	Priyanka S Shrivastawa	Six	Tata Consultancy Services Limited	01-01-2019	6 Months
2.	Ajinkya Kapse Ankita Kurzekar Rajeshwari Sakharkar	Six	Eaton Technologies Pvt. Ltd.	01-01-2019	6 Months
3.	Devendra Milmile Prasad Vijay Wade Shivani Wagmare Abhishek Domade Pratik Rambhau Deshmukh Shashibala R Baith Shreyas Shrikant Ghui	Six	SmartData Enterprises (I) Ltd.	01-01-2019	6 Months
4.	Manjita Paigwar Pranita Khadgi Uttara Naktode Karnika Patel Neha Chhedi Yadav	Six	Infosys Limited	01-01-2019	6 Months
5.	Sheetal Wankhede Charul Soni Renuka Aparajit Anuradha Kadu Komal dhumal Priyal Ghattuwar Yashika Warkey	Six	Siemens Technologies Ltd	01-01-2019	6 Months
6.	Simran Narang Irfan Khan Shubham Hattewar Aditya Rana	Six	Kizora Software Solutions Ltd.	01-01-2019	6 Months
7.	Mohit Thapa Vinit Pillai	Six	Kratin Software	01-01-2019	6 Months
8.	Sammrudhi Khond Aman Verma Komal Bhawanani Anuja Pathak Vaishnavi Suryavanshi Shalini Gupta	Six	HealthCoco	01-01-2019	6 Months
9.	Abhishek Aher Sarita Bobde Insiya hussain	Six	DygnMedia	01-01-2019	6 Months
10.	Yogesh Gupta Mayuri Khasale	Six	Patronous Infotech Private Limited	01-01-2019	6 Months
11.	Deepashri Garve	Six	TechWalnut	01-01-2019	6 Months
12.	Ashlesha Gulhane	Six	KloudData	01-01-2019	6 Months

13.	Saurabh R. Mendhe Gulshan Harish Paliwal Shubham M. Barsagade Divya Harode Tushar Ravikumar Agrawal Smita Rupchand Sathawane Neha Shankarbhai Tale	Six	EliteBackoffice	01-01-2019	6 Months
14.	Deepika Thakur	Six	Sabertooth Technologies	01-01-2019	6 Months
15.	Neha Pradipkumar Madhumatke Sagar Vijay Ninave Urusa Matin Madni Haritha Nair	Six	Techure	01-01-2019	6 Months
16.	Tarul Tejprakash Vyas Chanchal Sunil Agrawal	Six	Nagpuri Local	01-01-2019	6 Months
17.	Alok Anil Malewar Shubham Pramod Jais Himanshu Naresh Thutheja Bhagyashree Dilip Sonone	Six	SPARK VED INFOTECH	01-01-2019	6 Months
18.	Rajat Krishna Pandey	Six	Pranam creative Solutions Pvt. Ltd.	01-01-2019	6 Months
19.	Sanket Anil Wankhede Shivangi Rajendra Batho Gauri Sunil Amte	Six	GRESPL	01-01-2019	6 Months
20.	Onkar Dilip Mehta Ankita Anil Ganvir	Six	MasterSoft ERP Solutions Pvt Ltd	01-01-2019	6 Months
21.	Aditya Chaturvedi	Six	Novatech Software Pvt. Ltd.	01-01-2019	6 Months

## Placement Data for students passing out in 2019

Sr. No.	Name of Students	Company Name	Core/ IT/ Sector	Pay Package
1.	Ajinkya P Kapse	Eaton Technologies Pvt. Ltd.	IT	6.25 Lakhs
2.	Sheetal Wankhede Charul Soni Renuka Aparajit Anuradha Kadu Komal dhumal Priyal Ghattuwar Yashika Warkey	Siemens Technologies Ltd	IT	5 .00 Lakhs
9.	Mohit Deepak Thapa Aditya S Chaturvedi Sheetal S Wankhade Komal Lalit Bhawnani Rajat Krishna Pandey Karishma K Sharma Yasheeka S Warkey Smita R Sathawane Insiya Zahid Hussain Deepika P Thakur Haritha Hari Nair Achal Santosh Gundawar Ankita Anil Ganvir Anuradha Dilip Kadu Gauri Sunil Amte Deepashri Dilip Garve Aditya Rana	Accenture	IT	4.00 Lakhs
26	Manjita R Paigwar Pranita D Khadgi Ankita A Kurzekar Uttara K Naktode Neha Chhedi Yadav Karnika P Patel	Infosys Limited	IT	4.00 Lakhs
32	Sagar Vijay Ninave Urusa Matin Madni Devendra H Milmile Prasad Vijay Wade Sanket A Wankhede Shivani D Waghmare Abhishek A Domade Pratik R Deshmukh Shreyas S Ghui Shashibala R Baith	SmartData Enterprises (I) Ltd.	IT	2.62 Lakhs
42	Neha P Madhumatke	Techure	IT	1.20 Lakhs

## Department of Management Technology

### Faculty Corner

#### Faculty PhD Awarded

Dr. Vishal Mehta and Dr. Kimsey Gulhane were awarded Ph. D. degree in the 106th Convocation of RTMNU on 19th January 2019.

#### Guest Lectures taken by faculty

Sr. No.	Name of Faculty	Topic of Guest Lecture	Date of Guest Lecture	Organizers of Guest Lecture
1	Kimsey Gulhane	Retail Management	31/01/19	Govt. Polytechnic
2	Dr.Ruchi Sao	Office Etiquette and Mannerism-I	05.03.2019	SMS Limited
3	Dr.Ruchi Sao	Office Etiquette and Mannerism-II	19.03.2019	SMS Limited
4	Dr. Rajiv B. Khaire Dr. Ruchi Sao	Training on MS Excel	Jan. 2019	SMS Ltd.
5	Prof.Anant Deogaonkar, Dr.Rajesh vaidya, Dr.Kimsey Gulhane	MDP on communication Skills for Customer Delight	Mar-19	Manjiri Textiles Limited
6	Ms. Akshita Vyas	Guest lecture on Corporate Social Responsibility for MBA Semester IV students	Mar-19	Persistent Systems Ltd.

#### 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. Parihar Dahake	Body Fitness Club: Building Dreams by Building Muscles	International Journal of Advance Research and Innovative Ideas in Education, IJARIIIE		ISSN(O)-2395-4396	Vol-5 Issue-2 2019,pp-292-296	ICI
2	Dr. Parihar Dahake	"E-Commerce: An avenue to peak insight the Indian Consumer's Mind",	RESEARCH JOURNEY International Multidisciplinary E-Research Journal,		ISSN :2348-7143	Impact Factor - (SJIF) – 6.261 Special Issue 96B	UGC



## JASHN 2019 – Let's Live it Together

Jashn 2019 - 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 9th February 2019, for specially-abled children and children from orphanages. A full day event was conducted for these children to participate and enjoy. 65 students participated in drawing competition and 82 in dance competition. The program was graced by the presence of—Shri Govind Lalji Agrawal, General Secretary, RCOEM, Dr. Amit Anurag, Head NSS, Dr. Chandan Vichoray - Head, DMT, Dr. Neeta V. Shah, Professor, DMT, Dr. Vishal Mehta, JASHN Coordinator and the judges, during early morning hours. The drawing competition was judged by Dr. Shilpa Arya and Mr. Dipak Pachang. The age groups for Drawing competition, held in the morning were - 5-8 years, 9-11 years, 12 years and above. The Cultural Program, including Dance Competition, Drama and Fashion Show 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. Vishal Mehta, Program Coordinator and Judges of the competition and other faculty members of the DMT. This competition was judged by Smt. Vandana Vyas and Smt. Renu Mahajan. The event was compered by Mr. Ashay Lanjewar, Mr. Ayush Mate, Ms. Milee Pillai, and Ms. Richa Sharma for the Cultural Event. Children from Bal Sadan, Katol Square, won Drama Special Prize. The Children from Shri Kisan Muk Badhir gave Special Performance and won the hearts and applause from the audience. This was followed by a Fashion Show. The theme was to bring different Cultures, within India, on the stage and their Togetherness. The Children from Jeevan Ashray Ashram, Bal Sadan, Shri Kisan Muk Badhir, Yuvajyoti and Sunshine participated in the event. As the evening unraveled, there was a special performance by the Music Group of Department of Management Technology, for these children.

For this Event, the organizing team executed a successful scrap collection campaign collecting approximately 8 tons of scrap. JASHN aims to provide these children with life-enhancing skills by the medium of workshops which will be conducted in the forthcoming months. 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.



## Quarterly Temple Report Jan to Mar 2019

Sr.no	Functions Conducted	Date	Remarks
1	New year 2019	01/01/19	New year celebration with Arti and Prasad Distribution
2	Baba ki Duj	07/01/19	Flower Decoration. Maha-arti followed by aarti and churma prasadi
3	Dashmi	16/11/19	Maha arti followed by Prasad distribution
4	Magh ki Badi Duj upto Dashmi	06/02/19 to 15/02/19	Decoration by Vrindavan artist Jamman and Bhajan Mahaarti followed by aarti and Prasad distribution
5	Baba ki Duj	08/03/19	Flower Decoration Maha aarti followed by Churma Prasadi Bhakti Sangeet by Ramdeo Kirtan Sangam
6	Dashmi	16/03/19	Maha arti followed by aarti and Prasad distribution
7	Holika Dahan	20/03/19	Holika Dahan followed by milk and snacks distribution
8	Every Tuesday		Sunder-Kand



# REFLECTION NEWSLETTER



## SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT, NAGPUR

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



Shri Ramdeobaba Temple on Campus