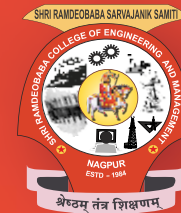


REFLECTION

NEWSLETTER

OF
SHRI RAMDEOBABA COLLEGE OF
ENGINEERING AND MANAGEMENT

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SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT, NAGPUR

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Shri Ramdeobaba Temple on Campus



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Letter From The Editor

Dear Readers

April, May and June 2015 are the months when the College is busy with end semester exams and the semester break in June. However, it is also the time when students take up various internships and courses during the semester break to enhance their capacities. Thus, this quarter saw activities in the College which are presented in this issue of REFLECTION. Publications, conference presentations, workshops conducted and attended, and many other extra-curricular achievements are enumerated.

The highlight of the quarter were various Ph.Ds awarded to faculty members along with diverse internships received by undergraduate and post graduate students under the RGSTC-TIFAC-MSME or the scheme of Technology Information, Forecasting, and Assessment Council (TIFAC), by Rajiv Gandhi Science and Technology Commission, Government of Maharashtra for providing technical support to the Micro Small and Medium Enterprises (MSMEs)

I hope this issue of REFLECTION is an interesting read for you all

Enjoy reading.

Dr. Deepshikha Mehra
Assistant Professor,
Dept. of Humanities

SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT

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Momentous Events and Awards

Tushar Sony Speaks at India-Russia Youth Forum



Tushar Anupkumar Sony of VIII sem EDT spoke on "Improving Indo-Russian relationship" at Russia beyond the Headlines and BRICS (Brazil, Russia, India, China, South Africa) International Forum, New Delhi, which was organized by Russian Centre of Science and Culture, Russian Union of Youth, and International Federation of Indo Russian Youth Clubs. Tushar was among 12 Indian delegates to take part in this. The Meet was headed by Mr. Pavel Krasnorutsky, the Adviser to the Russian Federation President Vladimir Putin; Tatiana Seliverstova, Head, International Department, Russian Union of Youth, General Director of Eurasian trade and investment alliance and others. Rajiv Pratap Rudy, Minister of State, Government of India was the Chief Guest for the Inaugural Session.

DEPARTMENT OF Civil Engineering



FACULTY CORNER

- Dr M.S. Kadu was selected as visiting international fellow by International Council (IC) of American Society of Civil Engineers' Environmental and water resources Institute (ASCE-EWRI). Dr. Kadu was awarded with the recognition on 18th May 2015 at the hands of Paul Bizier, EWRI President and Mr Brian K Parsons, EWRI Director
- The following faculty members of the Department were awarded Ph.D by Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur:
 - Prof. A K Sharma did his doctoral research on "Effect of road geometry and traffic characteristics on crash rate for multilane highway with heterogeneous traffic" under the guidance of Dr. V S Landge, Civil Engineering Department, VNIT, Nagpur.
 - Prof. P D Pachpor did his doctoral research on "Study of steel beam with web opening" under the guidance of Dr. L M Gupta, professor, Applied mechanics department, VNIT and Dr. N V Deshpande, Principal, GNIT, Nagpur.
- Dr. R N Khapre attended a Short Term Training Programme on "Finite Element Modeling, Simulation and Analysis (FEMSA-15)" organized by RCOEM from 6th to 10th April 2015. He also gave a lecture at the same forum on "Finite Element Analysis – Case studies in Bio-Medical Engineering"
- Prof. P P Dahale attended a one week QIP on "Advances in Geotechnical Engineering" from 11th to 15th May 2015 at Indian Institute of Technology, Powai, Mumbai.
- Dr. R N Khapre delivered a lecture on "Introduction to ANSYS Software" and Hands-on session ANSYS Software for "Design and Analysis of Microcantilever" at STTP on "Micro-Electro-Mechanical-Systems (MEMS)" organized by RCOEM from 20th to 25th April 2015.
- Prof. Mrs. V J Rajurkar delivered lecture on "119-Quality control of soil" in a one-week training program organized by Regional training center Nagpur, WRD and PWD on 16th June 2015.
- Dr Kadu presented a paper entitled "Infrastructure Leakage Index and Challenges in Water Loss Management in


Developing Countries" in ASCE-EWRI World Congress: 17th to 21st May 2015, Austin, Texas, USA.


- Dr. D.M. Dewaikar, Ex-professor, Civil Engg. Dept., IIT, Powai delivered lectures on "Pile Load Test Data Analysis" and "Numerical Integration" on 04th April 2015. Prof. P.P. Dahale coordinated the lectures.

BEYOND ACADEMICS

•CESA organized farewell function for Final Year students of B. E. Civil Engineering, M. Tech. Structural Engineering and M. Tech. Geotechnical Engineering on 6th April 2015. The function was organized by 3rd and 2nd Year students of B. E. Civil Engineering. Several cultural activities were conducted. Around 280 students attended the farewell function.

STUDENTS' ACCOMPLISHMENTS

S.No	Name of students	Name of Company
1	Pranay Ambulkar Akshay Khankhoje Akshay Tejankar Akshay Kumbhare	The GM D Thakkar Construction Pvt. Ltd.
2	Miss. Shefali Rao	NCC Urban
3	Miss. Priyanka Karve Sagar Pokarna Pratham Singhaniya Raunak K. Chandak	IVRCL, Hingwadi, Pune.
4	Abhishek Agrawal Tejal Chandak Radhik Agrawal Divya D Khandelwal	Man Infra. Ltd., Nagpur
5	Sumit Suresh Agrawal	MEJAThermal Power Plant(NTPC) Allahabad
6	Akshay Shirpurkar Rajan Kumar Jayswal	B.G. Shirke Construction tech. Pvt. Ltd, Pune
7	Dipesh Prasad Kalwar Phaiyaz Ansari Akash Sharma Prem G. Gupta Harsh Tandon Arun Parmar Niva Ramchandran Varsha J. Jain Diksha Dawande AAyushi R. Joshi	Nagendia Shah, Saha Nirvan Sewa Sarlahi, Malangwa - 10 Nepal, 

8	Geeta M. Vyas Ekta Pashine Akshay Ingle Ayush Agrawal Rajat Singh Abhinav Goyal Shubham Shivhare Pooja Wadhvani Sakshi Gaikwad Mrunali Dhakate Ashwini Babaria	Magnum Builders and Developers 
9	Abhishek Pande	Sunflag Iron & Steel Co. Ltd.
10	Neha M. Pawar Sandipan Das	National Thermal Power Co. operation Ltd, Mauda,
11	Meet Sancheti AkshayBiyani	STRUCTWEL DESIGNERS & CONSULTANTS, Navi Mumbai
12	Ayush Agrawal	M/s Super Construction Co., Gondia
13	Vishal Nareshisingh Chouhan	Tirupati Developers, North Ambazari Road,Dharampeth, Nagpur
14	Shekhar Hanwat	Sandeep Developers Pvt. Ltd, Nagpur
15	Khemchand Rana Kunal Choudhary Aman Kumar Dhundhele	IMAGIS Engineering Services Pvt. Ltd., Nagpur
16	Varsha J.Jain	Latakisan Construction Pvt. Ltd., Nagpur
17	Anjali Choudhari Ashika Adhikari Ashish Pandey Ketki Gadge Kundan Thakur Rinki Banerjee Satyam Tiwari Shekhar Hanwat Suchita Budhlani Sudarshan Hardas Vishal Mathya Shubham Kanojiya	 Magnum Builders and Developers

DEPARTMENT OF

Computer Science Engineering



FACULTY CORNER

- Dr. M.B. Chandak's following papers were published:
 - o "A Cluster Based Approach with N-grams at Word Level for Document Classification" in *International Journal of Computer Research (IJCA)*, Volume 117, No. 23, ISSN: 0975 –8887, May 2015.\
 - o "A hybrid approach to word sense disambiguation with and without learned knowledge" in *International journal of Natural language computing*, Vol.4, No.2, April 15.
 - o "A Proposed Approach to Classification & Novel Class Detection in Data Streams" in *International Journal of Advanced Research in Computer & Communication Engg. (IJARCCE)*, Volume 4, Issue 5, ISSN (O) 2278-0121, ISSN (P) 2319-5940, May-15.
- Dr. A.J. Agrawal's following papers were published in *The International Journal For Engineering Applications and Technology (IJFEAT)*, Vol. 2, ISSN (Online): 2321-8134 ISSN (Print): 2321-8134, April 2015.
 - o "An Approach: Information Retrieval Using Mobile Agent in Distributed Environment", Pg.28-31.
 - o "Closed Domain Question Answering System for IPC Sections and Indian Amendment Laws", Pg.32-36.
 - o "Web search personalization through query reformulation and user profiling" Pg- 19-23.
- Prof. D. A. Borikar's paper entitled "A Novel Approach to Video Stenography using Secured Multi-Channel Substitution" was published in *International Journal For Engineering Applications and Technology (IJFEAT)*, ISSN: 2321-8134, April 2015.
- Prof. R. Welekar's paper entitled "Mitigation of

- Vampire Attacks in Wireless Adhoc sensor network by using modified link state routing Protocol" was published in Conference (NCRCCS) proceedings published in *IJFEAT*, ISSN: 2321-8134, April 2015.
- Prof. S. C. Tirpude's paper entitled "Closed Domain Question Answering System: A Survey" was published in *International Journal of Informative and Futuristic Research (IJIFR)*, Volume -2, Issue -9, ISSN (Online): 2347 -1697, Pg No 3347-3353, May 15.
- Prof. S. C. Tirpude's paper entitled "Closed Domain Keyword based Question Answering System for Legal Documents of IPC Sections & Indian Laws" was published in *International Journal Of Innovative Research In Computer And Communication Engineering*, Volume 3, Issue 6, , ISSN (Online): 2320 – 9801, ISSN (Print): 2320 –9798, IF: 5.618 , June 15.
- Prof. Kanak Kalyani's paper entitled "Lung Cancer Detection System on CT Images" was published in *International Journal of Pure & Applied Research in Engineering and Technology*, Volume 3 (9): , Pg. 848-856, ISSN: 2319-507X, IF: 4.226, May 15.
- Prof. Kanak Kalyani's paper entitled "Lung Cancer Detection System on Thoracic CT Images Based on ROI Processing" was published in *International Journal of Advanced Research in Computer and Communication Engineering*, Vol. 4, Issue 4, , ISSN (Online) 2278-1021, ISSN (Print), 2319-5940, IF: 4.582, Apr 15.
- Prof. R. Damdoor's paper entitled "Protecting Three Tier Security scheme using double encryption Algorithm In Wireless Sensor Network" was published in *National conference on research in cloud and cyber security published in: (IJFEAT)*, April 2015- ISSN:2321-8134, IF-1.243.
- Prof. A. Raipurkar's paper entitled "Authentication of

an System using hidden codes and Random code Generator" was published in *International Journal of Advanced Research in Computer and Communication Engineering*, Volume-3 Issue-23, ISSN (Online): 2278-1021, ISSN (Print): 2319-5940, April 15.

- Prof. Vrushali Bongirwar's paper entitled "A Survey on Sentence Level Sentiment Analysis" was published in *International Journal of Computer Science Trends and Technology (IJCST)*, ISSN: 2347-8578 & ISO 297:2007, Volume Number 3 Issue 3 , May-June 2015.
- Prof. Jignyasa Sanghavi and Prof. Hemlata Urade attended a six-day ISTE STTP on "Introduction to

Design of Algorithms" from 25th – 30th May 2015 under Blended MOOCs (Massive Open Online Courses) model at VNIT, Nagpur. This was initiative of IIT Kharagpur and live lectures along with tutorial and lab sessions were conducted at a remote center. This initiative was a part of the 'National Mission on Education through ICT,' which was supported by MHRD.

- Prof. Neha Tirpude and Prof. Khushboo Khurana attended STTP from 1st -5th June 2015 on Topic "Free/Open Source Software" organized by Department of Computer Science and Engineering, GHRCE, Nagpur.

STUDENTS' ACCOMPLISHMENTS

- Final Year students made the Department proud by scoring high in the 8th semester exams. Following are the toppers :

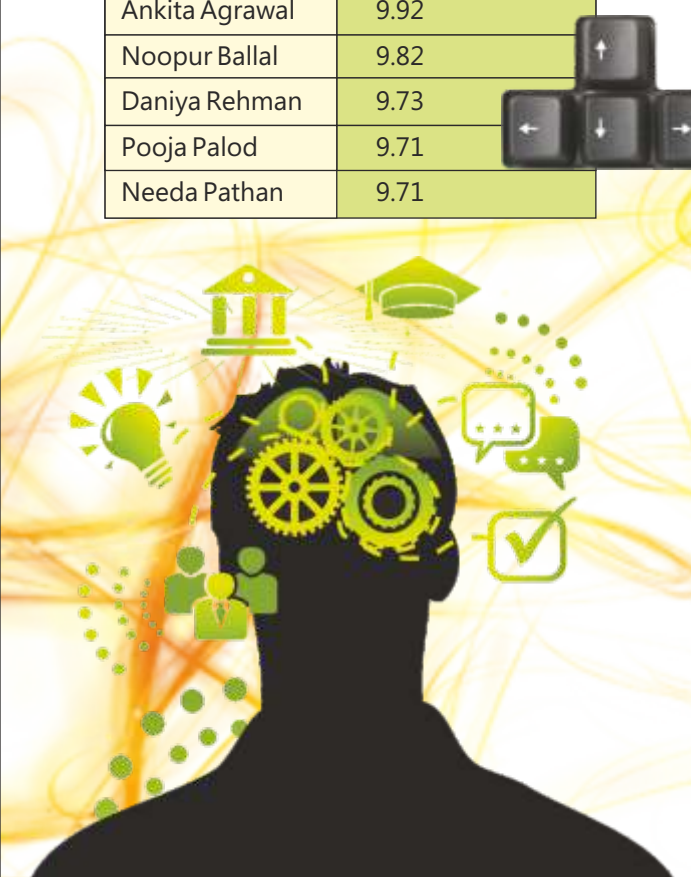
Name	SGPA
Aditi Gour	10
Ankita Agrawal	9.92
Noopur Ballal	9.82
Daniya Rehman	9.73
Pooja Palod	9.71
Needa Pathan	9.71



THE FIRST FIVE TOPPERS OF 4TH SEMESTER ARE AS FOLLOWS:

- Aditya Kranthi of 4th Year scored 99.92 percentile in CMAT (Rank 36), 94.97 percentile in CAT, 96.87 Percentile in SNAP, 92.19 Percentile in NMIMS, 88.33 Percentile in XLRI admitted to IIM Kozhikode.
- Abhay Singh of 4th Year scored 93.71 percentile in CMAT.
- Akshay Patil (GATE Score: 744, AIR: 414), Noopur Ballal (GATE Score: 619, AIR: 1523) and Pooja Palod (GATE Score: 679, AIR: 852) of 4th Year was admitted to IIT Madras for M.S. programme.
- Rohit Totala of 4th Year scored 393 in GATE (AIR: 9683).
- Archit Todi of 4th Year scored 363 in GATE (AIR: 12330).

Name	SGPA
Satyam Singh	10
Shubham Rathore	9.82
Jayneeta Sinha	9.8
Aishwarya Naidu	9.8
Apurva Hajare	9.8
Ravi Patel	9.69
Gunjan Swamy	9.51



DEPARTMENT OF Electrical Engineering

FACULTY CORNER

- Dr. M. M. Renge delivered a guest lecture on the topic "Shunt FACTS Devices" on 10th June 2015 in one week Short Term Programme (STTP) on "FACTS and Their Application" from 9th to 13th June 2015 in G. H. Raisoni College of Engineering, Nagpur.
- Dr. M. M. Renge delivered a guest lecture on the topic "Vector Control" on 12th June 2015 in one week Short Term Programme (STTP) on Faculty Development Programme organized by Priyadarshini College of Engineering, Nagpur during 9th to 13th June 2015.
- Dr. D. R. Tutakne delivered an expert lecture highlighting aspects of Variable Frequency Drives to trainee Engineers and senior level Engineers of MAHAGENCO at Koradi Thermal Power Station on 30th April and 20th May 2015, respectively.
- Dr. S. B. Bodkhe's research paper entitled "Speed estimator for induction motor drive based on synchronous speed tracking," was published in Sadhana Academy Proceedings in Engineering Science (SCI Journal), June 2015, DOI: 10.1007/s12046-015-0340-3, Print ISSN 0256-2499, Online ISSN 0973-7677.

- Dr. M. M. Renge presented and published a research paper entitled "Series 2- Source Inverter Fed Motor" in IEEE International Conference on Industrial Instrumentation and Control (ICIC 2015) organized by Department of Instrumentation and Control, COEP Pune, 28th – 30th May 2015.
- Prof. U. B. Mujumdar presented and published a research paper entitled "Parallel MPPT for PV based Residential DC Nanogrid" in IEEE International Conference on Industrial Instrumentation and Control (ICIC 9090) organized by Department of Instrumentation and Control, COEP Pune, 28th – 30th May 2015.
- Prof. M. B. Gaikwad's research paper entitled "Simulation of UPFC for Single Phase Transmission Line System" was presented in International Conference on Emerging Trends and Research in Engineering and Technology organized by IBSS College of Engineering, Amravati, 6th – 7th April 2015.
- Prof. M. B. Gaikwad attended a one-week STTP under TEQIP in "FACTS and Their Applications" organized by Electrical Engg. Dept., GHRCE, Nagpur from 9th to 13th June 2015.



STUDENTS' ACCOMPLISHMENTS

- Out of 16 M.Tech.(PEPS) students, thirteen were placed in different reputed Engineering colleges and industry. One student chose to be an entrepreneur.
- Anay Waghale, B.E. Final year student of Session 2014-15 has enrolled in Syracuse University, New York, for MS in Energy System Engineering, while Rohit Dubey of the same session has joined the Indian Army. Priyanka Shinde has joined IIT Chennai to pursue M. Tech. in Power System.
- Ms. Rupal Agrawal, IV semester M. Tech. PEPS student along with co-author, Prof. T. G. Arora, published a research paper entitled "Design of Numerical Over-Current Relay for Distribution System", in *International Journal of Pure and Applied Research in Engineering and Technology (IJPRT)*, Vol. 3 (9), ISSN: 2319-507X, May 2015.
- Following papers were presented and published in International Conference on Science, Technology and Mathematics Education – Trends and Alignment with Industry Needs organised by Gaikwad Patil

College of Engineering and Technology on 25th April 2015:

- o Ms. Pooja H. Khandelwal, IV semester M. Tech. PEPS student along with co-author, Prof. M. V. Palandurkar presented "Supercapacitor Based Energy System using DC-DC Converter"
- o Ms. Ankita Palod, IV semester M. Tech. PEPS student along with co-author, Prof. V. Huchche, presented "Reactive Power Compensation using DSTATCOM"
- o Ms. Rashmi Singh, IV semester M. Tech. PEPS student along with co-author, Dr. M. M. Renge, presented "Realization of Asynchronous Power Flow Controller"
- Kunal Tale, Ajinkya Pathak, Kautuk Timane and Palash Mathnikar of Final Year received appreciation certificate for successfully implementing the "Parabolic Reflector Solar Water Heater with Single Axis Solar Tracker" organized by Texas Instruments Innovation Challenge India Design Contest 2015

DEPARTMENT OF Electronics Engineering

FACULTY CORNER

- Prof. M.B Damle, Prof. D.J Dahigaonkar, Dr. (Mrs.) R.R Khandelwal, Prof. (Mrs.) M.S. Korde, Prof. P.U.Joshi, Prof. B.M. Hardas, Prof. N.S Damle, Prof. S Admane, Prof (Mrs) A.R. Tiwari, Prof. Mayank Thacker, Prof. Snehal Laddha and Prof. S.C Anjankar were part of the organizing committee of STTP on MEMS from 20-25th April 2015.
- Prof. Vishal Rathee and Ms Radhika Rathi presented research paper entitled "Design and Analysis of a High Q-Spiral MEMS Inductor" in International Conference on Telecom, Technology and Management (ICTTM) organized by IIT Delhi on 11-12th April 2015.

- Prof. R.H. Khobragade, Prof. (Mrs.) Smita Daware, Prof (Mrs.) Poorvi Joshi, Prof. (Mrs.) Prachi Rane and Prof. Ankita Kumar, attended a one-week Short Term Training Programme on Micro-Electro-Mechanical Systems (MEMS) organized by Electronics Engineering Dept. RCOEM Nagpur from 20-25th April 2015.
- Prof. P.U. Joshi, Prof. S Admane, and Mr. S Raza presented a paper entitled "Power Optimization of FIR Filter" in International Conference on Science, Technology and Mathematics Education- Trends & Alignment with Industry needs" on 22-23 April 2015
- Prof. P.U. Joshi, Mr. Navneet Maheshwari, Mr. Bharat

- Bhargav, Mr. Nikhil Shetiya, Mr. Prateek Jain's paper entitled "Performance Analysis of Fine Grain Pipelined Fixed Multiplier Architecture for FIR Filter Applications" was published in *International Journal of Advances in Electrical and Electronics Engineering*, ISSN No 2319-1112 Vol-4, Num-1 pp.24-31
- Prof. S.S. Balpande attended a two-day Training Program on PLC Architecture and Programming organized by Mechanical Engineering Dept RCOEM, Nagpur in April 2015.
- Prof. N.S. Damle and Prof. B.M. Hardas attended a seminar on "ComSol Multi Physics" on 22nd May 2015 at Hotel Dua International, Nagpur.
- Prof. N.S. Damle, Prof. B.M. Hardas attended a seminar on "Engg Education & Research" organized by National Instruments India at Hotel Pride Nagpur on 29th May 2105.
- Prof. M.B. Damle was awarded personalized plaque for elevation to Senior Member
- Prof. M.B. Damle and Prof. J.A. Shrawankar's paper entitled "Various Microwave Sources" was published in *International Journal of Advance Engineering and Global Technology (IAEGT)*, May 2015 issue.
- Prof. R.A Deshmukh received a Gold Medal for securing 1st position in M.Tech VLSI Design from YCCE, Nagpur (Autonomous Institute of RTMNU) at the 1st Graduation Ceremony on 27th June 2015.
- Prof. P.A. Dwaramwar presented research paper entitled "An Inductorless Receiver Front End for multiband Wireless Application" at VDAT-15, 19th International Symposium on VLSI Design and Test organized by VLSI Society of India at Nirma University Ahemadabad from 26-29 June 2015.
- Prof. S.S. Balpande delivered a technical session on "MEMS Actuators in STTP on MEMS" at RCOEM, 20-25th April 2015.
- Prof. N.S. Damle and Prof. B.M. Hardas Faculty Mentors under the "RGSTC-TIFAC-MSME Internship Programme" coordinated the industrial visits to M/s Waghmare Food Products Nagpur and M/s Sterling Electricals, Nagpur in May-June 2015 for projects.

- Prof. S.S. Balpande delivered a talk on "Carrier Opportunities in Electronics Engineering" at PIGCE, Nagpur on 18th May 2015.
- Prof. S.S. Balpande delivered lecturer series at Ordinance Factory, Ambajhari Nagpur on "MEMS Sensors & Control System" & "Temperature Sensors & its Applications" on 18th and 19th May 2015.
- Prof. R.A Deshmukh delivered a Guest Lecture on "Robotics" at Prof. Rajendra Singh Science Exploratory Nagpur on 7th June 2015.
- Dr. Richa Khandelwal delivered Guest lecture on "VLIW Architecture, Pipelining, Addressing Modes, Computational Accuracy in DSP processor" at (STTP) on "Digital Signal Processing with Applications Using MATLAB and TMS 320 Processor" organized by Department of Electronics Engineering, Priyadarshini College of Engineering, and Nagpur on 10th June 2015.
- Prof. B.M. Hardas and Prof. Nikhil Damle interacted with newly appointed Vice Chancellor of RTM Nagpur University Dr. S.P. Kane on 12th April 2015 on framework of new educational policy in India. The interaction held at Chhatrapati Shivaji Maharaj Administrative premises of RTMNU.

STUDENTS' ACCOMPLISHMENTS

- Mr. Akshay Gaoli, Mr. Aniket Chede, Mr. Abhishek Singh, and Mr. Ashutosh Balki were selected for "RGSTC-TIFAC-MSME Internship Programme". The students were associated with M/s Waghmare Food Products Nagpur and M/s Sterling Electricals Nagpur during their internship. The students receive a stipend of Rs.5000 per month for May-June 2015. They will be submitting their internship report and proposals to RGSTC-TIFAC-MSME for funding of their next phase of project.
- More than 50 UG students actively participated in summer training and internship programmes at various industries. Industry Institute Interaction Cell & Training and Placement Department provided opportunity to the students. Industries like BSNL



- Nagpur, Doordarshan Kendra Nagpur, Central Railway, South East Central Railway, NTPC Limited, Techwalnut, etc offered the training/Internship. The students during their training were exposed to latest technologies used in the industry and were also briefed on the corporate working culture. .
- Ms. Kaumudi Pandey, Mr. Dheerajkumar Valivade and Mr. Prashant Titare students of M tech VLSI Design were selected for paid Internship at CADENCE Design Systems India at Bangalore and Noida respectively.
 - Seven students of M. Tech VLSI Design have successfully completed their project internship in R & D organization and industries

Sr. No.	Name of Student	R & D Organization / Industry
1	Mr Arjun Gour	IIT Gandhinagar
2	Ms Kaumudi Pandey	Godrej, Mumbai
3	Ms Saiyma Ali	Godrej, Mumbai
4	Ms Bhavika Bindal	VNIT, Nagpur
5	Ms Manisha Das	VNIT, Nagpur
6	Ms Sakshi Badjate	BARC, Mumbai
7	Ms Neha Chinchoriya	BARC, Mumbai

- Ms Radhika Rathi M.Tech VLSI published research paper entitled "Design and Analysis of a High Q-Spiral MEMS Inductor" in International Conference on Telecom, Technology and Management (ICTTM) at IIT Delhi, from 11-12th April 2015.
- Mr. Navneet Maheshwari, Mr. Bharat Bhargav, Mr. Nikhil Shetiya, and Mr. Prateek Jain UG Electronics published research papers entitled "Performance Analysis of Fine Grain Pipelined Fixed Multiplier Architecture for FIR Filter Applications" in *International Journal of Advances in Electrical & Electronics Engineering*, ISSN No 2319-1112 Vol-4, Num-1 pp. 24-31

CAPACITY BUILDING ACTIVITIES

- STTP on "Micro-electro-Mechanical-Systems (MEMS) A short term training program on "Micro-electro-Mechanical-Systems (MEMS)" was organized in association with Indian Society for Technical Education (ISTE) from 20th to 25th April 2015 by Department of Electronics Engineering, RCOEM, Nagpur. The program was inaugurated by Dr. R. M. Patrikar Professor, Centre for VLSI and Nanotechnology VNIT, Nagpur. After the inaugural function, Dr. R. M. Patrikar gave the keynote speech on "Micro-Electro-Mechanical-Systems an Introduction and future Trends". He briefly explained the latest trends in MEMS and its uses in industry and consumer applications. He also guided the participants about the future research work which can be carried out in this area. Dr. (Mrs.) Jayu Kalambe, Coordinator of this program conducted the session on "Micro fabrication processes and Technology", and also shared the research work carried out in this field by the students and faculty members of RCOEM, under INUP Program at IIT, Bombay.

Experts from the institute of national repute and industry conducted various sessions on MEMS and its applications. Industry expert - Mr. Rajesh Timmareddy, Sr. Application Engineer from FTD INFOCOM, Bangalore conducted two hands-on sessions on Coventor-Ware CAD Tool. He delivered theory and practical session on Microcantilever design and analysis using the CAD Tool. Dr. Rajendra Khapre from RCOEM also conducted a hands-on session on "ANSYS Software". Ms. Vandana Jain and Mr. Pravin Raj Thomos from VNIT, Nagpur gave demonstration on Microfluidics Measurement, set-up during the STTP.

41 participants from the region attended this STTP including faculty members from engineering colleges, research scholars and post graduate students of electronics engineering and allied branches. This training program provided an opportunity to the participants to interact with well known researchers, industry experts and

academicians from the universities of national repute and industries. The interaction provided directions to carry out research work in the field of MEMS. Prof. (Mrs.) G.A. Morankar and Prof. S.S. Balpande helped in coordination of the STTP.



DEPARTMENT OF Electronics Design Technology Engineering

FACULTY ACHIEVEMENTS

- Prof. Deepali Shelke's paper entitled "Numerical Experimentation to detect the signal in MIMO" was published in *International Journal of Computer Application*, (ISSN no. 0975-8887), volume No. 115, April 2015.
- Prof. Deepali Shelke attended a one-week STTP on 'Micro Electro Mechanical Systems' from 20th to 25th April 2015 organized by RCOEM.

STUDENTS' ACCOMPLISHMENTS

- Amruta Aparajit of 4th year EDT completed 15 days training at S.M solution Nagpur from 15th May to 30th May 2015.
- 3 Students of 3rd year EDT participated & won prizes in Workshop on Aptitude Development (WAD) 2015 organized by RCOEM.
- Sarthak Kelapure of 3rd Year EDT completed 15 days training at Vyankatesh Transformers Pvt. Ltd. from 11th June to 25th June 2015.
- Aditya A. Lutade & Vrushali Dilip Nakhale of 3rd Year EDT attended 15 days workshop on "Raspberry Pi"

from 8th June to 23rd June 2015.

- Five students of 3rd Year EDT completed 5 days training at Doordarshan from 1st June to 5th June 2015.

BEYOND ACADEMICS

- Tushar was also selected as the Student Speaker in Bharatiya Chhatra Sansad, organized by Maharashtra Institute of Technology, Pune. Out of 8000 Students from across the nation, he was among the top 35 Student Speakers for this event. Tushar spoke on the topic "Heroes of India...Agents of Change" where he mentioned some great Indian Heroes like Mahatma Gandhi, Lal Bahadur Shastri, Sardar Patel, Baba Amte, Dr. A.P.J Abdul Kalam, Raja Ram Mohun Roy and others.
- Sarthak Kelapure of 3rd Year EDT published a novel "A Known Stranger". The novel inspires readers to follow their dreams instead of just letting them burn inside their heart. A Known stranger is all about Parth Shastri's life journey after engineering. The story takes you up & down in Parth's life of rage, friendship, office sleaze and relationship issues.

DEPARTMENT OF Electronics & Communication Engineering

FACULTY CORNER

- Dr. S. B. Pokle delivered an expert lecture on "Design of FIR and IIR Digital Filter" in one week ISTE approved STTP on Digital Signal Processing with Applications using MATLAB and TMS320 Processors, on 10-June-2015, organized at P.C.E. Nagpur.
- Dr. S B Pokle paper entitled " Client Capacity-based Gateway Discovery for Mobile Ad Hoc Network" was presented at International Conference on Telecommunication Technology and Management (ICTTM-2015), organized by I.I.T. Delhi on April 11-12, 2015.
- Dr. S.B. Pokle He presented "Client Capacity-based Gateway Discovery for Mobile Ad Hoc Network" in International Conference on Telecommunication Technology and Management (ICTTM-2015), organized by I.I.T. Delhi on April 11-12, 2015.

STUDENTS' ACCOMPLISHMENTS

- Prof. Anish Goel coordinated an educational tour for RCOEM undergraduate students to Northumbria University, Newcastle, U.K. A short course on Computer Networking was delivered by faculty member of Northumbria University in CISCO Lab for the students and faculty member that covered various topics related to the subject as well as hands-on training on CISCO Networking Software and equipments. The tour also included visit to prominent places in Newcastle and London City.
- Students from 2015 batch had applied at various foreign universities for masters program under the guidance of Prof. Anish Goel. All students have received acceptances from multiple universities and



a few have received scholarships as well. These students are:



Urvashi Dhoot
2015, EC
University of Southern
California, USA



Mohit Sathawane
2015, EC
Rochester Institute of
Technology, USA



Daksh Purohit
2014, EC
Ecole Nationale Supérieure
d'Electrotechnique, France



Mohit Meghal
2014, EC
New Jersey Institute of
Technology, USA



Sonal Poddar
2014, EC
University of Texas at
Arlington, USA

DEPARTMENT OF Industrial Engineering

FACULTY CORNER

- Dr. I. P. Keswani's paper on "Selection of Fuel by Using Analytical Hierarchy Process" was published in *International Journal of Engineering Research and Applications*, April 2015.
- Dr. D.R. Zanwar published a paper on "A Review of Travelling Salesman Problem with Time Window Constraint" in *International Journal for Innovative Research in Science and Technology*, June 2015.
- Dr. I. P. Keswani published a paper on "Study of shortcomings of Energy Audit and evolving way forward" in *Industrial Engineering Journal*, April 2015.
- Dr. R.B. Shahu published a paper on "Physiological Analysis of Rice Mill Workers in Vidarbha Region" in *Industrial Engineering Journal*, May 2015.
- Dr. R. B. Shahu presented a paper entitled "Organizational Role Stress" at the International Conference on Business and Management held at Tokyo, Japan from 28th to 29th May 2015.
- Dr. I. P. Keswani was invited by RTMNU as a visiting committee member to consider the application of Anjuman College of Engineering and Technology as Place of Higher learning and Research on 30th April 2015.
- Dr. I.P. Keswani attended Board of Examination Meeting of IIIE at NITIE Mumbai and IIE HQ at Belapur Mumbai on 25th April and 16th June 2015.
- Dr. I. P. Keswani attended BCUD Committee Meet at Manoharbai Patel Institute of Engg and Tech, Gondia on 13th April 2015.
- Dr. Pravin Tambe reviewed research paper for Computers and Industrial Engineering (Elsevier)



European Journal of Operational Research (Elsevier)

- Prof. Mangesh Joshi and Prof. Vishal Milmlile attended a one week STTP on "Advance Engineering optimization through intelligent Techniques" held at SVNIT, Surat from 22nd to 26th June 2015.
- Dr. V. S. Deshpande conducted technical session on "Reliability Centered Maintenance" during one week STTP on "Total Quality Management" organized by G.H. Raison College of Engineering, Nagpur.
- Prof Snehal V. Laddha's paper in entitled "Asynchronous Logic Platform with Dynamic Leakage Control using Null Convention Logic" was published in *International Journal Of Technology Enhancements And Emerging Engineering Research*, VOL 3, ISSUE 03 29, ISSN 2347-4289 on

STUDENTS' ACCOMPLISHMENTS

- 44 students of 2015 batch have been placed in this quarter.
- Following eight students of VI th semester have successfully completed Summer Internship Program (SIP) under the RGSTC-TIFAC-MSME Scheme May-June 2015. Respective Mentor faculties have monitored various stages of the SIP
- Sr. No. Name of Student. Name of Industry Mentor Faculty 1 Shushmita Deshpande Nityam Karn Spacewood Office Solutions Pvt. Ltd. Dr. V. S. Deshpande 2 Kamalijeet Arora Sourabh Trivedi Nikhil Furniture Dr. Pravin Tambe 3 Jayana

Ubale Rahim Malik Vishwashanti Udyog Dr. I. P. Keswani 4 Manish Pakharani Rishabh Prasad Dulocos Conveyors & Moulds Dr. V. S. Deshpande

- 28 students from VI semester and 24 students from IV semester have successfully completed their SIP with various industries including Bhilai steel plant, L&T InfoTech, Raymonds pvt, ltd, NPCIL, BHEL, TATA Motors, and many more.
- Aniruddha Paranjpe, VIII semester student joined the Naval academy.
- Archan Das came 1st, Pranay Kumar 2nd and Shradha Chatterjee came 3rd in VIII semester Industrial Engineering, Summer 2015 examination of RCOEM.

BEYOND ACADEMICS

- Industrial Engineering Society (IES) organized a farewell function for Final Year students on 6th April 2015. Prof. Yogesh Deshpande (IES in charge) in his welcome address gave a brief description about the various student activities conducted all the year round.

Dr. I. P. Keswani, Head of the Department gave a speech touching the important aspects of engineering student lives. He praised the passing batch of the final year students. Dr. V.S Deshpande in his address motivated the students to study hard ahead and become successful in near future. Dr. K.N Agrawal, Head, Mechanical Engineering Department in his address reminded the students of their duties towards the society and nation as they pass out from the Institute and inspired them to use their knowledge and skill for the welfare of the society. Dr. D. R. Zanwar shared the memorable moments of the final year batch and wished them success in all the walks of their life. Prof. M. R Jain reminded the students about their duties and responsibility towards their alma mater and encouraged them to become successful entrepreneurs. The students arranged a musical program for their seniors. Final year students shared their happy moments and experiences with juniors. Lastly, Mr Saurabh Trivedi (Student Secretary IES) gave a vote of thanks.



DEPARTMENT OF

Information Technology

FACULTY CORNER

- FACULTY CORNER
- Dr. D. S. Adane published a paper titled "A Survey on Context Aware Middleware", in *International Journal of Advanced Research in Computer and Communication Engineering*, Volume 4, Issue 5, May 2015.
- Dr. D. S. Adane published a paper titled "Service Provisioning to Mobile Devices using Context-Awareness", in *International Journal of Engineering Trends and Technology (IJETT)*, Volume 23 Number 1, May 2015.

STUDENTS' ACCOMPLISHMENTS

- 93.4% students of IT (2014-15 Batch) got placed through campus drive till date.
- Neha Naidu and Juhi Bhatt, students of V semester IT completed two weeks training on Basic Telecom at Bharat Sanchar Nigam Limited (BSNL), Nagpur from 11th May 2015 to 22nd May 2015.
- Sarthak Chowdhary, student of V semester IT completed one month training on Server Administration at L&T Infotech, Mumbai from 11th May 2015 to 12th June 2015.
- Naman Bajaj and Anurag Tomar, students of VII

semester IT completed an Internship of two months and have developed a project on "logging and monitoring of Electric machines" under RGSTC-TIFAC-MSME scheme at Khosla Engineering Tools, Nagpur from 12th May 2015-12th July 2015

- Shivam Gupta, student of V semester IT completed training on Network Analysis and SMS Interface at Meja Urja Nigam (P) Limited, Allahabad from 23rd May 2015 to 10th June 2015.
- Mayur Jajoo, student of III semester IT completed a five-day training on Networking, Computer Formatting and Assembling at Gammon India (P) limited, Deoli, Wardha from 1st to 5th June 2015
- Karan Jaiswal, Shubham Authankar and Shreya Barahate, students of VII semester IT are currently undergoing a three months internship on HTML,

CSS and PHP at Santosh Selokar Information Technology (SSIT) from 28th May 2015 to 28th August 2015

CAPACITY BUILDING ACTIVITIES

- The Department has submitted two research proposals to different funding agencies in the year 2014-15

BEYOND ACADEMICS

- Installation Program of Entrepreneurship Development Cell, "The Golden Dreams" was conducted in IT department. Mr. Mukesh Ashar and Mr. Manish Upadhyay from Lemon School of Entrepreneurship presented a guest lecture for the students of Information Technology.



DEPARTMENT OF Mechanical Engineering

FACULTY CORNER

- Prof. Amol Andhare attended a one week STTP on "Fundamentals and Special Topics in Fluid Mechanics" organized by Mechanical Engineering Department, S.V. N.I.T Surat from 1st to 5th June 2015.
- Prof. Pranjali S. Deole attended a seminar on "Engineering Education & Research" organized by National Instruments on 29th May 2015 at The Hotel Pride, Nagpur.
- Prof. P.B. Shiwalkar and Dr Mrs. S.D. Moghe published a paper entitled "An approach to arrive at possible mechanisms for deep drawing press", in the *International Journal of Engineering and Industrial Applications*, Vol 8, No II (May 2015), pp 147-153, 2015.
- Prof. A. M. Andhare published a paper entitled, "Design and Thermal Evaluation of Shell and Helical Coil Heat Exchanger" in the *International Journal of*

Innovative Research in Advanced Engineering, Vol. 1, 2015, pg 135 -143.

- Prof. G. R. Nikhade delivered an expert lecture on the topic "Structural Analysis using ANSYS software" at the ISTE approved one week STTP on "Finite Element Modeling, Simulation and Analysis" organized by Department of Mechanical Engineering, RCOEM from 6th – 10th April 2015
- Prof. N. P. Gudadhe and S.S.Joshi published a paper entitled "Design of Mold Cover Lifting Mechanism for Moving Fume Hood" in *International Journal of Engineering Research and Technology*, ISSN 2278-0181, Vol. 4 Issue 06, June-2015 Pages: 305-310, impact factor of 1.75.
- Prof. S.S.Joshi published a paper entitled "Feasibility Investigations and Performance Analysis of Non Concentrated Solar Photovoltaic Thermal System for Nagpur" in *International Journal of Engineering Research*

and Technology, ISSN 2278-0181, Volume. 4 - Issue. 05, May - 2015, Pages: 1051-1055, impact factor of 1.75.

- Prof. B. C. Bissa published a paper entitled, "Heat Transfer Enhancement and Friction Factor Analysis In Tube Using Conical Spring Insert" in *International Journal of Research in Engineering and Technology (IJRET)*, e-ISSN: 2319-1163 | p-ISSN: 2321-7308 Volume 4, Issue 5; May 2015, impact factor of 2.75.
- Prof. S.A.Patil delivered an expert lecture on "Cooling Load Calculations and Design of Air Conditioning systems", at Ordnance Factories Institute of Learning Ambajhari, Nagpur on 09th June 2015.
- Prof. A. M. Andhare delivered an expert lectures on "Basics of Vapour Compression Refrigeration System and Air Conditioning" and "Refrigerants its Requirement and Greenhouse Effect", at Ordnance Factories Institute of Learning Ambajhari, Nagpur on 9th June 2015
- Prof. S. A. Patil delivered an expert lectures on "Air Handling Units & Designing of Cooling Towers" and "Duct Designing" at Ordnance Factories Institute of Learning Ambajhari, Nagpur on 10th June, 2015
- Prof. A. M. Andhare delivered an expert lecture on "Energy Conservation & Management in Refrigeration and Air Conditioning system, at Ordnance Factories Institute of Learning Ambajhari, Nagpur on 10th June 2015
- Prof. S. S. Deshmukh delivered an expert lectures on "Design and Maintenance of Steam Pipelines" at Ordnance Factories Institute of Learning Ambajhari, Nagpur on 11th June 2015.
- Prof. S. S. Deshmukh published a paper entitled, "A review on effect of Oxy-Hydrogen (HHO) Gas addition on the performance of internal combustion engines" in *International Journal for Scientific Research and Development (IJSRD)*, ISSN(online): 2321-0613 Volume 3, Issue 04; 2015.
- Dr. V. V. Shukla delivered an expert lecture on "Variational and weighted residual methods in FEM" at the ISTE approved one week STTP on "Finite Element Modeling, Simulation and Analysis"

organized by Department of Mechanical Engineering, RCOEM from 6th – 10th April 2015

- Dr. V. V. Shukla conducted a tutorial on hands-on training session on "3-D geometric modeling and analysis in ANSYS" at the ISTE approved one week STTP on "Finite Element Modeling, Simulation and Analysis" organized by Department of Mechanical Engineering, RCOEM from 6th – 10th April 2015
- Prof. S. A. Giri presented a paper titled "CFD Analysis of Helical Baffle Shell and Tube Heat Exchanger" in International conference on Emerging Trends in Mechanical Engineering at Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur on 22nd and 23rd April, 2015.
- Prof. S. A. Giri presented a paper titled "Numerical investigation of circular tube heat exchanger with alternate clockwise counterclockwise rectangular cut twisted tube inserts" in International conference on Emerging Trends in Mechanical Engineering at Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur on 22nd and 23rd April, 2015.

CAPACITY BUILDING ACTIVITIES

- **"Finite Element Modeling, Simulation and Analysis (FEMSA-15)" (Approved by ISTE and in association with BMEF, VNIT, Nagpur) - Short Term Training Program (STTP), RCOEM, Nagpur**

A Short Term Training Program (STTP) on "Finite Element Modeling Simulation and Analysis (FEMSA-15)" was recently organized in Mech. Engg. at RCOEM, Nagpur. About 40 teachers and research scholars from various engineering institutions attended the program. The STTP was inaugurated on 6th April by Chief Guest, Mr. G. Suresh, Manager Plant Vehicle Maintenance from Mahindra & Mahindra Ltd., Nagpur. Dr. P. M. Padole, President of Bio-Medical Engineering Forum, VNIT Nagpur, was the Guest of Honour. Dr. R. S. Pande, Principal RCOEM, presided over the function. The objective of the STTP was to inculcate the computational skills required in multidisciplinary engineering research. Dr. P. M. Padole, presented the opening session of the

STTP with an introductory overview of FEM and a briefing about the case studies carried out by various research scholars under his guidance at VNIT, Nagpur. Prof. G. R. Nikhade and Prof. R. U. Patil conducted the tutorial sessions on static structural analysis in the afternoon training sessions.

On the 2nd day, Dr. V. V. Shukla presented a session mapping the theme of STTP on 'Variational & Weighted Residual Methods in Finite Element Modeling' emphasizing how mathematical models in the form of differential equations can be converted to computer friendly matrix forms. Dr. R. N. Khapre presented a few case studies on in Bio-Medical Engg. based on Ansys workbench. Prof. R. U. Patil conducted the tutorial sessions on dynamic structural analysis in the afternoon training sessions.

Mr. Bhupendra K. Kaushik from Mahindra & Mahindra, Mumbai, on the 3rd day, presented a Structural modeling using Hyper-mesh and demonstrated some of his project work. Mr. Pravin Nakod FLUENT, Pune presented Applications of FEA in Fluid flow and demonstrated some of very interesting projects and case studies in combustion and CFD. He also delivered hands on training sessions on ANSYS CFX.

Dr. Sanjay Ingole, Professor Mech. Engg. from Govt. Poly., Sakoli, presented Structure joint modeling including dynamic analysis of structure on the 4th day of STTP. Prof. M. S. Kotambkar Assistant professor, Mech. Engg., from VNIT, Nagpur, presented step by step procedure for using Ansys APDL for Finite Element Analysis of Turbine Blades. Dr. R. N. Khapre presented a few of his research projects on in Bio-Medical Engg. based on MIMICS software and Ansys workbench.

On the concluding day of STTP, Dr. (Mrs) R V Uddanwadiker, Assistant Professor, VNIT, Nagpur presented some interesting FE analyses studies on Finite Element Applications in Biomedical systems focusing major applications in prosthodontics and dentistry. Thereafter, Dr. V. V. Shukla presented theoretical and computational aspects in dynamic analysis pertaining to

Modal, harmonic and Transient analysis of structures.

Dr. R. V. Kshirsagar, Dean Engg. Faculty RTMNU, Nagpur, was a Chief Guest of the valedictory function of the STTP FEMSA-15, on 10th April. In his address Dr. R. V. Kshirsagar, highlighted the importance of Modeling and Simulation and congratulated the participants for their passion for learning and skill development.

The STTP was well coordinated by Dr. M. M. Gupta and Prof. G. R. Nikhade. Dr. V. V. Shukla and Prof. R. U. Patil also contributed in organizing the event under the guidance of Dr. K. N. Agrawal, Professor & HOD Mech. Engg. and Dr. V. S. Deshpande, President IIIIE, Professor, Ind. Engg.



From Left to Right: Prof. G. R. Nikhade (Coordinator), Dr. V. S. Deshpande (President IIIIE), Dr. R. V. Kshirsagar (Dean Engg Faculty, RTMNU, Nagpur), Dr. R. S. Pande (Principal, RCOEM) and Dr. K. N. Agrawal (HOD, ME)



BASIC SCIENCES Department of Humanities

- Dr V H Asudani was invited as a panelist to discuss on 'Preliminary Survey Report on Political Awareness in Nagpur' at Matru Sewa sangh Institute of Social Work, Nagpur organized by Forum for Research in Public Leadership, Nagpur on 15th April 2015
- Dr V H Asudani was invited to conduct a seminar on career guidance for college students by Sindhu Navyuvak Samaj, Satna on 26th April 2015
- Prof. Mouli Chowdhury and Dr V H Asudani jointly published a research paper titled, 'Surrealistic Imagery as a Visionary Technique in the Poetry of Carol Ann Duffy' in *The Criterion: An International Journal in English*, April 2015 Vol.6, Issue 2, bearing no. ISSN 0976-8165
- Dr. V H Asudani was invited to deliver guest lectures on 'Humanitarian Engineering' by G H Raisoni Academy of Human Excellence, Nagpur on 11th May and 17th June, 2015
- Dr. V H Asudani was invited to deliver guest lectures on 'Changing Dynamics of Teaching-Learning Process' by UGC RTM Nagpur University Academic Staff College, Nagpur on 27th and 30th June, 2015
- Pratishruti S Singh was invited to conduct two day workshop on 'Self Esteem' and 'Interpersonal Communication and Relationship' for undergraduate students on 23rd and 25th April 2015 at the 'One week Workshop on Ethical Hacking, Robotics and Soft Skills Development' organized by Department of Computer Science and Applications, VMV, JMT & JJP Science College, Nagpur.
- Pratishruti S Singh successfully underwent the prestigious XIII Theory/Praxis Course organized by Forum on Contemporary Theory in collaboration with The English and Foreign Languages University (a central University), Shillong Campus from 16th June-11th July, 2015. This programme was a part of

Forum's ongoing engagement with "Global South Cultural Dialogue Project." World renowned professors Dr. Walter Mignolo (Duke University, US), Dr. Simon Gikandi (Princeton University, US), Dr. K C Baral (Director, EFLU, Shillong) and Dr. Lakshmi Bandlamudi (LaGuardia Community College, City University of New York) were the resource persons for this programme.

BEYOND ACADEMICS

REEF (Ramdeobaba College Engineers for Environment Forum)

The environment club of the College (hosted by Department of Humanities, Mentor Faculty – Dr. Deepshikha Mehra) carried out the following activities in the quarter:

- REEF members headed by the mentor faculty, completed an 18 month long project on creation of a book on "Birds of Raj Bhavan, Nagpur". The book contained data collected from 97 field trips. In all 174 species of birds were recorded in Raj Bhavan. The book has been submitted to Raj Bhavan authorities for their record. The team comprised of REEF's mentor faculty Dr. Deepshikha Mehra, Sneha Gupta (alumna), Supriya Kawadkar (alumna), Manas Agrawal, Harjot Singh Kahai and Rohan Dekate. The book would soon be published and is planned to be released by the Governor himself.
- Rohan Dekate, Green Ambassador REEF and 3rd Year student of Mechanical Engineering attended a one month long course on "Agenda for Survival" by Center for Science and Environment, New Delhi from 1st to 30th June 2015. The course included various aspects such as State of India's environment: An overview, the environmental movement in India, poverty and the biomass economy, ecological rights

& natural resource management, land and its use: Agriculture, food security, conservation & conflict: Wildlife management debate, urban growth challenges: Water & waste management, air pollution & mobility, sustainable industrialization and public health concerns, climate change & global environmental governance, etc. For Rohan as an undergraduate engineer, the learnings from the course helped to understand the importance of environment and thus the need for sustainable development that engineers need to bring about.



Rohan Dekate (extreme left – middle row) with other participants and Sunita Narain (centre)

• **Attended interactive session on “Alag Rah by Prayas Foundation:**

REEFians Sneha Gupta, Rohan Dekate, Omkar Kekre, Supriya Karwadkar (alumni), and Madhulika Dolke attended an interactive session Alag Raha. “Alag Raha” meaning a “Different Road” in Hindi, is an initiative of Prayas Foundation. It is a monthly event showcasing life journeys of real life heroes like any other person living in a neighbourhood so that people learn what made them stand out from the crowd. REEFians had a novel opportunity of attending one of its episodes on 12th April 2015. The story of the month was Success, Satisfaction and Career. The three speakers of the episode were- Rohan Chakravarty: A cartoonist, illustrator and animation designer. Tarique Sani: Paediatrician and a forensic expert, a passionate PHP (Hyper Text Pre-processor) geek and currently CTO (Chief Technology Officer) at SANIsoft. Also a bird watcher, photographer, nature lover and FOSS (Free and Open-space Software) enthusiast. And Anil Pimplapure:

A well-known dentist of Nagpur. Better known for his contribution in the protection of endangered birds, wildlife and forests. The REEFians who attended this session got to learn a lot from the real life experiences of these people. How balancing your profession and your passion or even better-making your passion your profession is important.

• **Saraswat mandal lecture on “Bird watching” by REEF students**

Saraswat Mandal, Nagpur invited REEF to deliver a



seminar on “Bird watching and its importance” to the members of the Sarswat Mandal on 22nd April 2015. The main objective of this activity was to create awareness amongst citizens and increase their interest and awareness about birds and thereby help conservation of birds. Dr. Deepshikha Mehra, mentor faculty introduced REEF and the topic to the audience. REEFians Sneha Gupta, Omkar Kekre, Srushti Mehatkar, and Rohit Hazare gave an interactive PowerPoint presentation on

- What is Birding and How Citizens can Help in Bird Conservation.
- General awareness regarding birds their habitat, behavior and interesting Facts.
- Threats to birds and how to tackle the problems
- How to Start Birding.

The session concluded with a question and answer session where REEFians tried to answer the queries of the members. Aaditya Somani helped in making the presentation and was the systems coordinator for the seminar.

DEPARTMENT OF Mathematics

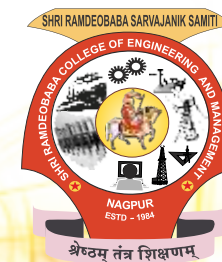
- Prof. P. O. Bagde and K. T. Thomas's paper entitled “On Principal invariants in Canonical coordinate system in V5 Pre spacetime”, was published in Journal published by Quantum Dream, Inc, April 2015, Volume 6, Issue 4, pp 256-268, ISSN 2153-8301
- Prof. A. A. Basole, Prof. M S Patne, Prof. R G Ghumde,

Prof. P A Saoji and Prof. P O Bagde attended one week Short term training program on “Finite element modeling, Simulation and Analysis” approved by ISTE and in association with Bio-Medical Engineering forum, VNIT, Nagpur, held between 6 and 10 April 2015 at RCOEM, Nagpur.

DEPARTMENT OF Physical Education & Sports

- On the occasion of International day of Yoga on 21st June a Yoga practice session was organized by Department of Physical Education at RCOEM. Large number of teaching and non-teaching staff as well as students participated enthusiastically in this event under the guidance of Yoga Expert Shri

Chandrakumar Tekchandani. Initially he explained the necessity of Yoga practices in modern lifestyle then he demonstrated various types of Asanas, Pranayamas and Surya-Namaskar along with of their benefits. The participants then performed yogic Asanas and Pranayams by following him.



POST GRADUATE PROGRAMME

Department of Management Technology

FACULTY CORNER

- Prof. Shravan Chandak and Prof. Pritam Bhadade's paper entitled "A study of Tricks and Traps of Scarcity Marketing to Trigger Impulse Purchases" was published in *International Journal of Financial Footprints*, Vol. 3 and No. 2. March, 2015, ISSN: 2319-6262.
- Prof. Shravan Chandak, Prof. Pritam Bhadade and Dr. Kanchan Naidu's paper entitled "Case Study: 'SCALING THROUGH SCARCITY'" was published in *International Journal of Logistics & Supply Chain Management Perspectives*; Vol. 4 and No. 1, Page No:1531, ISSN (PRINT): 2319-9032, (ONLINE): 2319-9040, SJIF-2012: 3.562, SJIF-2013: 5.074.

CAPACITY BUILDING ACTIVITIES

National Workshop on Research Methodology Organized By DMT, RCOEM and DBM, RTMNU

The Department in association with the Department of Management, RTM Nagpur University organized a National Workshop on Research Methodology from 20th to 26th April 2015. The objective of the course was to provide an in-depth understanding of the fundamentals of Research Methodology and outline various qualitative and quantitative research methods and guide selection of appropriate method for a particular research project. Around 37 participants enrolled for the workshop. The participants were from Pune, Raipur, Chandrapur, Bhadravati, Katol, Amravati, Wardha, Umrer, Jordan, and Palestine.

Around 21 sessions were held during the seven-day

workshop. The first three days the participants were given exposure to the basics of research which included the research process, design, sampling, scaling, questionnaire designing and development, basics of statistics, how to write a research paper and report, research publishing tools and basics of hypothesis testing. The participants then had three days hands on experience in the Lab sessions on various tools and techniques for parametric, non-parametric, multidimensional scaling, perceptual mapping, correspondence analysis and multi-variate data analysis using SPSS and Excel.

The workshop was inaugurated by Dr. K C Deshmukh, Dean Faculty of Science and Member of Management Council, RTM Nagpur University. He gave an inspirational speech telling the importance of research, the steps to be followed, how to promote research for society and the rules, regulations for PhD in Nagpur University. He was welcomed by Dr. Neeta V Shah, Head, Department of Management Technology, RCOEM and felicitated with shawl, shrifal by Dr. Vinayak Deshpande, Prof & Head/ Director, Department of Business Management, RTM Nagpur University.

The resource persons were experts in the field of research. The syllabus included insight into basics of statistics, basics of research and introduction to software for research with special focus on data analysis which was well met and satisfied the needs of the participants.

Dr. Shrikant Komawar, Director, BCUD and Principal of University Law College, RTM Nagpur University was



the Chief Guest for the Valedictory Function. He was welcomed by Dr. S D Mohgaonkar, Dean Second Shift, RCOEM and felicitated with shawl and shrifal by Dr. Vinayak Deshpande. Dr. Shrikant Komawar gave insights on the avenues of research and how quality research is required and such workshops should be held more often to propagate quality research among

every faculty and research scholars of RTM Nagpur University.

BEYOND ACADEMICS

DMT Farewell

The Department organized formal farewell function for MBA Sem IV students of the department. The program was on 8th April 2015 at 12.30 PM. The opening remark was given by the Head of the Department. In her opening remarks she motivated students by giving few lessons for life and wished them all the best for their bright future. MBA I year and MAM students conducted various programs for their seniors. All the faculty members were present in the farewell function. All the students of MBA and MAM under the guidance of CA Prashant Chhajer, DMT Forum In-charge successfully conducted the function.



DEPARTMENT OF Computer Application

FACULTY CORNER

- Prof. Satyajit Uparkar delivered the expert lecture on "Business Statistics and Theoretical Distribution, Design of Experiments, MANOVA and Factor Analysis" in the National level workshop on Research Methodology, organized by Department of Management Technology, RCOEM in association with Department of Business Management, RTM Nagpur University, from 20th to 26th April 2015.
- Prof. Pravin Karmore attended national level workshop on "Research Methodology" organized by Department of Management Technology, RCOEM in association with Dept. of Business Management, RTMNU, Nagpur at Department of Business Management, RTMNU, Nagpur on 20th to 26th April 2015.

- Prof. Poonam Khandar presented a paper entitled "Unified Collaborative & Personalized Recommender-Based Audio Query" in International Conference on Emerging Trends in Computer Engineering (TECHSOFT-15) at Tulsiramji-Gaikwad Patil College of Engineering and Technology, Nagpur on 22nd and 23rd April 2015.

CAPACITY BUILDING ACTIVITIES

- Department of Computer Application has taken initiative for signing MoU with Kizora systems. Initial talk with Mr. Rahul Tarnekar, CEO, Kizora System was done for setting up Software Testing Lab in the department.

TRAINING & PLACEMENT DEPARTMENT

PLACEMENT FOR 2015 BATCH

Companies visited	:	25
Core Companies visited campus	:	8
IT Companies visited campus	:	17
Total Offers	:	756

Highest Salary: Highest salary offered is Rs 6.5 lacs per annum by Informatica.

International placements – 2 students were offered in Hasan Juma Baker LLC OMAN with a package 5 LPA with accommodation and other facilities.

Following campus drive was conducted during the period April-June 2015

Date	Name of Company	Result/ Status
11-April-2015	Ultra Tech	Result awaited
03-Jun-2015	BOSH online test	1 student selected
15-Jun-2015	Syntel Group	37 Students Shortlisted, further process awaited

TRAINING ACTIVITIES

Orientation sessions

Prof. Anupam Kher Dean T&P and Prof. Shantanu Kulkarni visited various departments and interacted with 6th sem students. The interaction focused on preparations for campus recruitments and industry scenarios in various sectors.

Company training

The training of the students selected by ITC-Infotech Pvt. Ltd was organized in the Industrial Engineering Department from 11th May to 9th August 2015. Various senior experts from the company conducted the training sessions. Prof. Shantanu Kulkarni coordinated the activity.



BEYOND ACADEMICS

ALUMNI ASSOCIATION

Visit of RCOEM Alumni



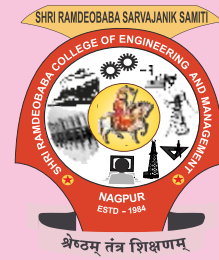
RCOEM Alumni of Civil Engineering (Batch 1999), Dr. Marisha Sharma, Director at MMCPL, New Delhi visited RCOEM campus. Dr. R.S. Pande, Principal, RCOEM, felicitated Dr. Sharma with a memento and had a fruitful interaction with her. Mr. Tushar Marghade, President, RCOEM Alumni Association and Dr. P.D. Pachpor, Professor, Civil Engineering were present during interaction.

New Delhi Chapter Alumni Meet



RCOEM Alumni Association, North India Chapter organized a Delhi Alumni Meet on 9th May 2015 at Hotel Park Plaza, New Delhi. The Alumni Meet was hosted for the seventh time in New Delhi. The agenda of the Meet was to strengthen the network to reach to all the alumni and to have a very memorable association with them. Dr. A.K.Sharma, Prof.Anupam Kher, graced the Meet. Mr. Tushar Marghade, President of Alumni Association delivered the opening remarks and welcomed all the alumni. RCOEM Alumni Association also thanked the alumni for their contribution towards the college and iterated the ways in which they could help the College to grow further. All alumni interacted with visiting college dignitaries





THE FOLLOWING PROGRAMMES WERE HELD BY THE RAMDEOBABA
TEMPLE COMMITTEE IN THIS QUARTER OF 2015

S NO	Event conducted	Date	Details
1	Moon Eclipse	4th April 2015	Temple was closed from 11 to 1:30pm, after cleaning Poshak changed and Aarti performed
2	Baba ki Duj	20th April 2015	Maha arti performed and Churma Prasad distributed
3	Baba ki Bayawaki	21st April 2015	Celebrated Jamma Jagran by Shri. Ujjawak Kharkoliya, decoration by Vrundavan artists
4	Baba ki Duj	19th April 2015	Maha arti performed and Churma Prasad distributed
5	Baba ki Duj	18th April 2015	Mango Decoration, Jamma by Shri. Ujjawal Khakolia, Maha Arti and Prasad distributed
6	Every Saturday		Sunderkhand
7	Every Month		Dasmi Celebrated



SHRI
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COLLEGE OF
ENGINEERING
AND
MANAGEMENT

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