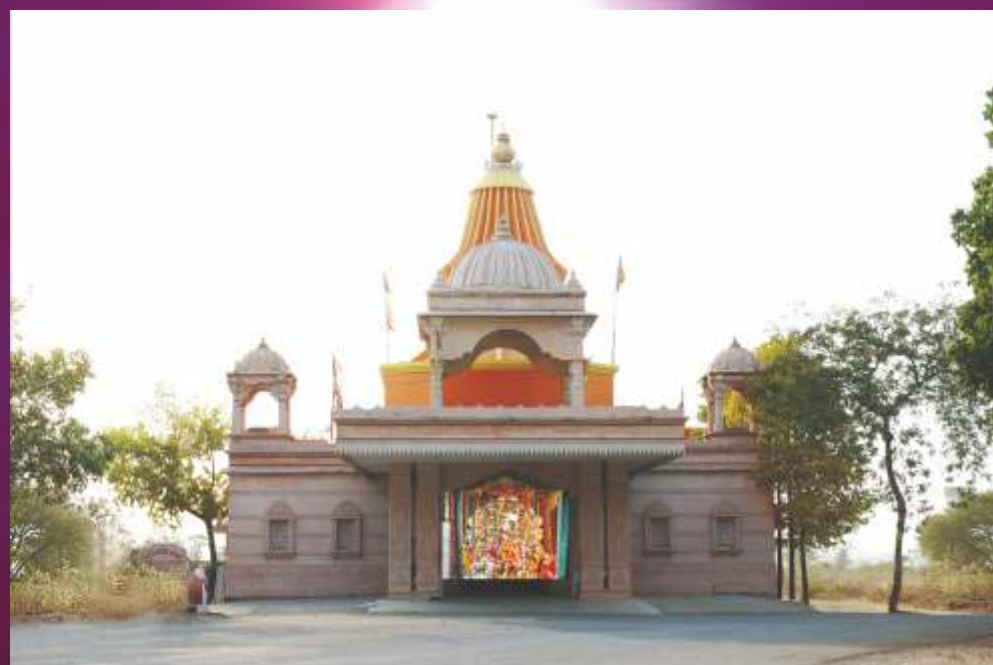




SHRI RAMDEOBABA COLLEGE OF
ENGINEERING AND MANAGEMENT, NAGPUR

Ramdeobaba Tekadi, Gittikhadan, Nagpur - 440013
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Shri Ramdeobaba Temple on Campus

REFLECTION

NEWSLETTER

OF
SHRI RAMDEOBABA COLLEGE OF
ENGINEERING AND MANAGEMENT

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LETTER FROM THE EDITOR

Dear Readers,

The fourth quarter of 2014 was abuzz with a plethora of 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.

In this quarter the College saw many momentous activities like celebration of Good Governance Day, Education Day, and Workshop in Aptitude. WAD (Workshop on Aptitude Development), a biannual event, brought together students from various colleges for a week to accomplish its long established goal of testing and building their aptitude.

Enjoy reading.

Dr. (Ms.) Deepshikha Mehra
Assistant Professor,
Dept. of Humanities

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Momentous Events



Dr. Yogesh Deshpande speaking on the occasion

11th November 2014 was the birth anniversary of Shri Maulana Abdul Kalam Azad, a great freedom fighter and the 1st Union Education Minister of free India. To commemorate his birth anniversary, this year Government of India decided to celebrate it as National Education Day. To honour the legend, RCOEM celebrated the National Education Day with fervor. RCOEM arranged a talk on the topic "Higher Education Scenario in India" in which the institute invited Dr. Yogesh Deshpande, Associate Professor and Head, Department of Humanities, Viswesvaraya National Institute of Technology, Nagpur.

Dr. Deshpande in his talk brought out the history of education in India and how higher education has transformed towards inclusive growth. He emphasized on the contributions of Maulana Abul Kalam Azad as

the first Education Minister of India. Maulana Abul Kalam Azad has been credited for his foresight in education sector, especially higher education where his thoughts were considered to be highly visionary. He has been credited with the establishment of the Indian Institutes of Technology (IIT) and the University Grants Commission (UGC), the two important institutions of higher education in India.

The talk was well received by faculty members of the institute, who enthusiastically participated in the event. Dr. R. S. Pande, Principal, RCOEM was the guiding force behind the event. The event was coordinated by Dr. Chandan Vichoray, Associate Professor, Department of Management Technology (DMT), while Prof. Ruchi Sao hosted the event and proposed the Vote of Thanks.

RCOEM OBSERVES GOOD GOVERNANCE DAY

'Good Governance Day' was observed on 24th December 2014 to commemorate the birthday of former Prime Minister of India, Shri Atal Bihari Vajpayee. An elocution competition was organized by Readers' Reverie Club, Department of Humanities of RCOEM on 'Technology and Innovation in Promoting Good Governance'. More than 20 students from various branches enthusiastically discussed the significance of good governance. The students also pointed out that good governance will go a long way in minimizing corruption and thereby enhancing the benefits of governance for common people.

Shri Govindlal Agrawal, Secretary, Shri Ramdeobaba College of Engineering and Management, congratulated the students for logically expressing their views on the topic of good governance. Dr. Rajesh S. Pande, Principal of the college expressed satisfaction that awareness about good governance among students will pave the path for the

development of nation and society. Dr. V.H. Asudani, Head, Department of Humanities, in his introductory remarks emphasized the importance of such competitions which not only promote communication skills among students but also orient them in important skills such as good governance.

Anubha Kumar and Utkarsh Rathi, Lovish Solanki and Ath Tiwari, Sarthak Sharma and P.Vaishakh were declared first, second and third, respectively. They were awarded cash prizes of Rs.15,000, Rs.10,000, and Rs.5,000, respectively. Dr. Deepshikha Mehra and Dr. V.H. Asudani were the judges for the competition. Prominently present on the occasion were Prof. H.D. Bhawe, Prof. Incharge, Music Club; Prof. Mouli Chowdhury, Mentor Faculty, Readers' Reverie; Dr. Monika Seth, Literary incharge – Pratishruti; Prof. Pratishruti Singh, Prof. Akanksha Deshpande, and Prof. Rebecca Khemani of Department of Humanities.



WORKSHOP ON APTITUDE DEVELOPMENT



Chief guest - Shri Ashutosh Potnis with Shri Banwarilal Purohit – Chairman, Shri Govindlal Agarwal – General Secretary, Dr. Q. H. Jeevaji – Director DMT, Dr. R. S. Pande – Principal, and Dr. Rashmi Shahu – Convener – WAD

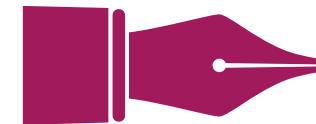
Workshop on Aptitude Development (WAD), a seven day workshop, was inaugurated on 8th December 2014. The chief guest of the function was Shri Ashutosh Potnis, MD, Novatech Software Pvt, Ltd.

Shri Banwarilal Purohit, chairman RCOEM, Shri. Govindlal Agarwal, General Secretary RCOEM, Prof. Q.H. Jeevaji, Director DMT, Dr. R.S. Pande, Principal RCOEM and Dr. Rashmi Shahu, Convener WAD were present on the dais.

Over 240 delegates from all over India participated in the workshop. Dr. Rashmi Shahu pointed out that the aim of such an endeavor is to explore excellence in an individual and to help him/her reach his/her goal. Dr.

R.S Pande welcomed the chief guest Shri Ashutosh Potnis. Dr. Pande stated that such kind of workshops prove to be helpful in placement of students. Shri Ashutosh Potnis in his inaugural address spoke about importance of presentation of individual's personality and character. He also shared his views on job interviews and gave a few tips on the same. Shri Banwarilal Purohit stressed on simple living and high thinking and inspired the participants by quoting examples of Swami Vivekanand and Mahatma Gandhi. The Student Coordinator Kehkashan Fazal proposed the Vote of Thanks. Student Incharge, Rohn Mallick gave the WAD 2014 report.

WRITER'S CORNER



SOCIALITICS FOR INSTITUTIONAL SOCIAL RESPONSIBILITY

- Dr. Vishal V. Shukla

In general, 'politics' was closely associated with the term dirty by majority of Indian population. However, recently, unprecedented factors like corruption, development, expectations and hope (and not the usual poverty, caste and regional issues) took priority. These factors which are directly associated with electricity, drinking water, health, education, safety and security, employment and roads etc., hit the mindsets of Indian population. First time in the history of Indian elections, not only the progressive manifestos but the proven track records of politicians were also the decisive factors for voting. High-tech campaign, electronic and social media and the organizational structure has redefined their applicability, impact and contribution that changed the scene dramatically. The million dollar question throughout the election campaign was who can deliver? Amongst possible options, Mr. N. D. Modi, our Hon'ble PM, was then the unanimous but democratic, choice by the people of India who voted for change (transformation). The functioning of the government therefore, is expected to be the development centric and in line with the theme of elections 2014.

Politics was once thought to be a derivative of social sciences based on contemporary civilizations and the lives of the native people. It had, for some decades, lost its glory, majorly due to loyalty and other factors. Social work and politics appeared to be marginally separated by thin line. However, a reestablished (but long awaited) trend which includes the politics of development shows society driven healthy politics. And therefore, it is an evident to predict inclination of technology driven political methods towards urgent and important socio-economic requirements. The

politics of development thus can be rephrased as 'socialitics'.

This is for sure that the politics of development (socialitics), will lead to some reliable and sustainable models of development in the process of transformation. It should, however, be ensured that the availability of the resources, mechanisms, tools and techniques to achieve these transformations should start with ethics and values, and end with standardized critical reviews of outcomes. Moreover, as far as applicability of these models is concerned, they remain to be universal and can be deployed globally, provided integration of such models are established through adequate coordination. The only difference at implementation stage shall be at the level of scale from micro, medium to mega and sometimes there may be additional few variables like demography, process etc. which can be eventually overcome right at the planning stage.

For instance, a crane or hoist can be designed for lifting a load of 100 kg and its structurally strong but similar mega model can be used to lift a weight of 1000 tonnes. Hence from miniature to mega structures, merely scales and magnitudes of applications may differ however, the technique driving the corresponding technology remains unchanged. Accepting the similar facts of the nature from atomic particles to universal galaxies, it's a matter of mapping, vision and approach.

In line with the above discussion, one of such model can be established by exercising the politics of development (socialitics) for a tribal village in India or Maharashtra in particular

Development of Modern Tribal Indian Village

Development of Tribal villages and tribal people of India have been accepted as one of the most important issues to the Non-Government Organizations (NGOs) as well as all the present and the previous Government(s) of India. There had been several planned or unplanned, methodical or random attempts made, in order to empower the tribal people and/or to make the tribal village to be self-sufficient and self-reliant. Various methods, schemes, equipments and mechanisms were devised and implemented by allocating significant percentage-share of the budget (or GDP) in this regard. Several papers and study reports by eminent researchers as well as government's official documents published also show that substantial progress has been made in the decades after independence.

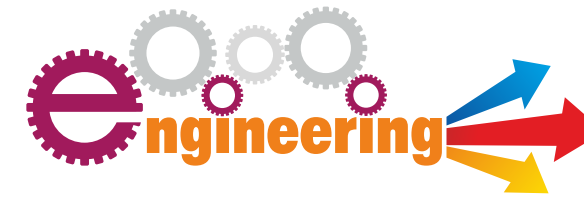
In all the previous and ongoing efforts in this direction, the care has been taken to maintain (or disturb least) the glory of tribal culture and traditions. The core objectives emphasized to attain the empowerment leading to tribal self-sufficiency were health, education, sports, electricity, social and political awareness, agriculture etc. There had been either the partial focus or the poor program outcomes towards attaining the availability of drinking water, empowerment by skill development, poorly managed processing-storage-marketing of the forest produce

etc. There can be some agreement or disagreement on figures related with Tribal Development Index (TDI) in general. However, it can be predominantly identified that these efforts are distributed, scattered and carried out by separate agencies at various times, almost without appropriate coordination and thereby spending exorbitant money. A techno-socio-economic model to develop a modern Tribal Indian Village can therefore be envisioned considering integration of technologies and Public-Private-Institutions-Government partnership involving the tribal.

If, we hope to see some functional models obtained from 'socialitics' in the near future, then we must understand our responsibility and anticipate the role to play. The first step to do so would be to bring all under the umbrella of "Institutional Social Responsibility" and make them contribute on the basis of their expertise. The well-targeted efforts for food, drinking water, electricity, shelters, employment and security to the modern tribal village will definitely be possible when the engineers and managers of the modern world determines to do so.

(The author is a faculty of Mechanical Engineering, RCOEM)

BELIEVE
in your
IDEA



FACULTY CORNER

- Dr. M. S. Kadu has been selected as Visiting International Fellow (VIF – 2015) for the Environment and Water Resource Institute (EWRI) World Environmental and Water Resources Congress 2015 in Austin, Texas (May 17-21 2015). The fellowship is sponsored by Institute's International Council.
- Dr. Rajendra N. Khapre presented a research paper entitled "Effect of Reinforcement on Flexural Behavior of RCC Beam with Opening", (co-authored with Prof. P. D. Pachpor), in 3rd International Conference on Civil Engineering (ICCEN 2014), organized by CBES, Asia-Pacific Chemical, Biological & Environmental Engineering Society at Mauritius from 29th to 30th November 2014.
- Prof. A. K. Sharma and Prof. T. K. Rao (with Prof. V. S. Landge as second author) presented research paper entitled "Access Density and Standard Deviation of Speed as Contributing Factors for Accident of High Speed Cars". It was published in *International Journal of Computer Application Proceedings on International Conference on Quality Up-gradation in Engineering, Science and Technology* in November 2014.
- Prof. V. R. Harne's paper entitled "Comparative Study of High Rise Structure subjected to Wind Load using different Bracing System" (co-authored with Shivani Dange) was presented in a "National Conference on Current Trends in Civil Engineering" organized by YCCE on 18th and 19th December 2014.
- Prof. Hariom Khungar presented research paper entitled "Experimental study on concrete using fly ash as a bonding layer", (co-authored with Prof. Priyanka Kamble) in the International Conference, "Advances in Civil and Mechanical Engineering Systems (ACMES), jointly organized by Department of Civil Engineering and Mechanical Engineering of Government College of Engineering, Amravati under TEQIP Phase-II in association with SVNIT Surat organized from 23rd to 24th December 2014.
- Prof. V. J. Rajurkar presented a research paper entitled "Effectiveness of waster material and Polypropylene for stabilization of cohesive soil in Pavement Construction",

Department of CIVIL ENGINEERING

in the International Conference, "Advances in Civil and Mechanical Engineering Systems (ACMES), jointly organized by Department of Civil Engineering and Mechanical Engineering of Government College of Engineering, Amravati under TEQIP Phase-II in association with SVNIT Surat, from 23rd to 24th December 2014.

- Prof. V. A. Dakwale, Prof. A. K. Agarwal, Prof. S. S. Geete and Prof. T. B. Gupta attended a short term training program on "Building Sustainability and Retrofitting" at Visvesvaraya National Institute of Technology, Nagpur from 28th to 29th November 2014.
- Prof. H. P. Khungar, Prof. V. R. Harne, Prof. A. M. Gharad, Prof. S. J. Modak, and Prof. S. P. Abhyankar attended an Indo-Norwegian Training Programme on "Seismic Design of Multi- Storey Buildings: IS 1893 VS. Euro code 8" organized at VNIT, Nagpur from 7th to 9th December 2014.
- Dr. M. S. Kadu, Prof. P. B. Kulkarni, Prof. E. M. Gonnade, Prof. M. S. Tiwari, Prof. H. D. Bhave, Prof. S. S. Geete, Prof. L. R. Gangwani, and Prof. N. S. Kakwani attended training programme for faculties of Civil Engineering Department organized by Astral Informatics Pvt Ltd. on AutoCAD 2014 from 1st to 13th December 2014. The training was coordinated by Prof. H. P. Khungar.
- Prof. A. M. Gharad attended a three day XVIII National Seminar on Aerospace Structures (NASAS) held in VNIT, Nagpur from 15th to 17th December 2014. The event was organized by VNIT, Nagpur along with Aeronautical Research and Development Board (ARDB) Ministry of Defence, Govt. of India, New Delhi; Jawaharlal Nehru Aluminium Research Development and Design Center (JNARDDC), Nagpur and Maintenance Command, Indian Air Force, Nagpur.
- Prof. S. P. Abhyankar attended an International Conference "9th Biennial Structural Convention SEC 2014" organized by Civil Engineering Department, IIT Delhi from 22nd to 24th December, 2014
- Prof. P. P. Dahale research paper entitled "Utilization of Rice Husk in Soil Improvement" was published in the proceeding of Indian Geotechnical Conference IGC-2014

- held at Kakinada, A.P. on 18th to 20th December, 2014.
- Prof. P.B Kulkarni delivered an expert lecture on "Irrigation Engineering (Gates and spillways)" at NIT Polytechnic, on 22nd September 2014.
 - Prof. V. A. Dakwale delivered an expert lecture on "Tests and Properties of constituents of Concrete" on 28th October 2014, in the course "Concrete Technology" organized by Regional Training Center, Nagpur for Water Resource Department and Public Works Department Engineers.
 - Dr. M. S. Kadu delivered an expert lecture on "Analysis of Water Distribution Networks, Optimal Design of Water Distribution Networks Using Linear Programming and Optimal Design of Pumping Mains" at VNIT during CPHEEO sponsored STTP on 25th November 2014.
 - Prof. V. J. Rajurkar delivered an expert lecture on "Geogrid, reinforced earth, for High Embankment Construction" on 24th November 2014, in the course "Construction of High Enbankment and Use of Geosynthesis" organized by Regional Training Center, Nagpur for Water Resource Department and Public Works Department Engineers.
 - Prof. T. K. Rao delivered an expert lecture on "Types of geotextiles and their use in various structures" on 25th November 2014, in the course "Construction of High Enbankment and Use of Geosynthesis" organized by Regional Training Center, Nagpur for Water Resource Department and Public Works Department Engineers.
 - Prof. P. P. Dahale's delivered lecture on "Soil Stabilization using waste materials" in two days workshop organized for faculty members of RTM Nagpur University on the topic "Upcoming Construction Materials in Civil Engineering" at Dr. Babasaheb Ambedkar College of Engineering and Research (SVSS) on 16th December 2014.
 - Prof. H. P. Khungar delivered an expert lecture on "Earthquake resistant structure" in a training course on "CIVIL WORKS PROCEDURE" for people from various ordinance factories. It was organized by Ordnance Factories Institute of Learning, Ambajhari, on 29th December 2014
 - Prof P D Pachpor delivered a guest lecture on "Group discussion and personal interview techniques" at Nagpur Institute of Technology, Nagpur on 26th December 2014.

STUDENTS' ACCOMPLISHMENTS

- Mr. Tushar Sontakke, Mr. Shubam Mahesh, and Mr. Shubham Gupta of 3rd Year achieved "Best Design" position in Crepido under AXIS'14, VNIT, Nagpur conducted from 26th to 28th September 2014.
- Mr. Akshay Khankhoje and Miss Gunjali Deshmukh secured 5th and 10th rank respectively in (Winter WAD 2014) Workshop on Aptitude Development "WAD" organized by Industrial Engineering Department, RCOEM from 8th to 14th December 2014
 - Ms. Ashwini Thakare, Mr. Abhijeet Malewar, Mr. Amit Kr. Singh, Mr. Ajit Barahate, and Mr. Arpit Chachara participated in a short term training program on "Building Sustainability and Retrofitting" at Visvesvaraya National Institute of Technology from 28th to 29th November, 2014.
 - Following students of the Department undertook on-site training:
 - o DLF Home Developer Ltd. Gurgaon: On-site training was undertaken by Ankit Chatwani, Pratik Laharia, Shubham Jain, Shubham S. Agrawal, Shubham A. Bansali, Akshay Singh, Siddarth Bhatt, Adwait Raut, Raman Varma, and Aditya Nashe of 5th semester. Anurag Tamkoria, Deovret Keshawani, and Abhishek Sharma of 3rd semester also went for an on-site training to the same company.
 - o Gaurav Rathi of 3rd semester received on-site training from Larsen & Toubro, Noida City Centre, Delhi
 - o Shreyash Khandelwal, Mitesh Agrawal, Neha Guhe, Ankit Virmani, Sneha Dongarwar, received on-site training at Man Infra Construction Ltd., Nagpur
 - o Dhruv Agarwal of 5th semester attended the on-site training conducted by Tata Consulting Engineers Ltd., Mumbai.
 - o Pyramid group of companies, Nagpur: Saloni Gosavi, Nisha Ramchandran, Aachal Gurharikar, Gayatri Munishwar, Shivani Hurkat, and Sakshee Bhaiswar of 5th semester along with Abhinav Goyal, Vinay Popli, Neha Pawar, Akshay Tejankar, Ashwini Babaria, Anjali P.Choudhari, Varsha J Jain, Suchita Budhlani, Niva N. Ramchandran
 - o Sudarshan Hardas of 3rd semester received on-site training from Western Coalfields Limited, Nagpur.

CAPACITY BUILDING ACTIVITIES

- A guest lecture on 'Demystifying Structural Engineering' was organized by the Entrepreneurship Development Cell (EDC) of the Department. The coordinators were Prof P.B. Kulkarni, Prof. H.P Khungar. Dr. Ashok K. Jain, Professor, Civil Engineering, IIT Roorkee was the guest speaker for the event. It was conducted on 10th October 2014 and around 100 students of 3rd, 5th and 7th semester of B. E. Civil were present.
- A guest lecture was organized on 13th October 2014. It was delivered by Dr. Aditya Tyagi, Principal Technologist, CH2M HILL on Hydraulics and Water Distribution Networks. Around 80 students of 3rd, 5th and 7th semester of B. E. Civil were present.

BEYOND ACADEMICS

- A workshop on "Legal Aspects in Civil Projects" It was organized under the banner of CESA for Final Year students of civil engineering on 18th October 2014. Experts lectures on safety in construction projects was given by Mr. Jagdish Rajurkar, Sr. Project Manager, Mahindra Life Spaces, Nagpur. Shri Ajay Tiwari Chartered Accountant, Nagpur spoke on Taxation (IT, VAT, Service Tax, Capital Gain etc.). Knowledge on Building and Town Planning Laws was updated by Miss Neha Borikar, ATPO, Nagpur. Mr. M. S. Ahluwalia, GM (Civil), WCL, Nagpur spoke on 'Tenders – Types and Contents'. Adv. Pradeep Agrawal, Nagpur spoke on Contract Act. The workshop

- was coordinated by Prof. M. S. Tiwari. It was inaugurated by Principal Dr Rajesh Pande.
- The meeting of Industry Institute Interaction Cell of the Department was held on 8th October 2014. Dr. M. S. Kadu, HoD (Civil) welcomed the guests from industries and field. Prof. P. B. Kulkarni, Co-ordinator, IIPC unit of Civil Dept, briefed the gathering regarding the activities of IIPC and agenda for the meeting. The meeting saw the prominent presence of Er. K.C. Tayade, I/C S.E.(Quality control circle), WRD, Wainganga nagar, Ajni, Nagpur; Er. Hemendra Jaltare, Sr.Design Engineer, M/S Artefact Projects; Er. Javade, Partner, Javade-Kaware and Associates; Er. B.J.Malkhandale, Sr. engineer, MSRDC, Nagpur; Er. Sanjay Wankhede, Geotechnical Consultant; and the faculty members of the Department.
 - An interactive program of students and faculty members was arranged with Prof Ganesh Ramkrishnan, Associate Professor, Computer Science Department, IIT, Pawai on 24 November 2014. Prof Ganesh Ramkrishnan is working on Appropriate Technology for Development of Rural Sector in the country under Unnat Bharat Abhiyan. Prof M S Tiwari coordinated the program.
 - Shri Sugriv Prasad Chaturvedi, Helper (Sr. Scale), retired from his services on 30th November 2014. He joined the institute on 1st December 1986, thus served for 28 years. He was given a cordial farewell by colleagues and staff of the Department. Dr. M. S. Kadu, Head, wished Mr. Chaturvedi all the best for his future and felicitated him with a memento.

Department of COMPUTER SCIENCE ENGINEERING

FACULTY CORNER

- Prof. P. Pardhi and Prof. A. Raipurkar attended Faculty Training Program on Security Basics and Cyber Security organized by Secquetek IT Solutions, Mumbai, from 5th to 8th November 2014.
- Dr. M.B. Chandak, Prof. M.W. Wanjari, Prof. V.Y. Karkare, and Prof. R. Welekar participated in a Continual Education Program organized by CSE Dept to train WCL employees on Java and Web Scripting. This program conducted for two batches was from 17th to 27th November 2014 and 5th to 13th December 2014.
- Dr. A.J. Agrawal, Prof. S. Tirpude, Prof. S. Mundhada, and

- Prof. M.W. Wanjari attended FDP on Technical and Management Consultancy organized by III Cell RCOEM, Nagpur dated 29th November, 2014
- Dr. A.J. Agrawal delivered a Technical Talk on Natural language Processing organized by RGCEER, Nagpur on 9th October 2014.
 - Ms. Hemlata S. Urade published a paper entitled "Dynamic Particle Swarm Optimization to solve Emission and Economic Dispatch Problem" was published in *International Journal of Engineering Trends & Technology (IJETT)* organized by Seventh Sense Research Group.

STUDENTS' ACCOMPLISHMENTS

- Ms. Roshni Tiwari of CSE Final year appeared in SSB Interview for Indian Air Force, Govt of India. She has cleared first phase in the selection process at Varanasi.

CAPACITY BUILDING ACTIVITY

- CSI workshop for Final Year Students: One day workshop on Web Scripting under professional chapter CSI was organized for Final Year students on 1st November 2014. The session was conducted by Mr. Pranav Raulkar, Module Lead, Persistent Systems, Nagpur.



Mr. Pranav Raulkar from Persistent Systems, Nagpur conducting a lab session



Final Year CSE Students in Workshop

National Conference NCRMC-2014 17th and 18th December 2014

A two-day national conference on 'Recent Trends in Mobile and Cloud Computing' (NCRMC-2014) was inaugurated on 17th December 2014. The conference was organized by Department of Computer Science and Engineering in association with Department of Science and Technology (DST). The inaugural saw the prominent presence of Dr. R. S. Pande, Principal and Dr. M. B. Chandak, Convener (NCRMC-2014) and Head of the Department (CSE). The Chief Guest for the inaugural function was Dr. Umesh Bellur, Professor,

Department of Computer Science, IIT Powai. He delivered a key-note on "Virtualization and Cloud Computing" highlighting the important research issues on virtualization. On 18th December 2014, NCRMC-2014 began with an expert keynote by Dr. Umesh Deshpande, Associate Professor, Department of Computer Science, VNIT, Nagpur. He spoke on "Recent Research in Wireless Sensor Networks".



Keynote by Dr. Umesh Deshpande, Associate Professor, Department of Computer Science, VNIT, Nagpur.

Mr. Naresh Waswani, Technical Specialist, Persistent Systems Pvt Ltd took a session on "Mobile payments using NFC" where he focused on importance Near Field Communication(NFC), its usage in real life, conventional payments possible using NFC chip and making the money related transactions efficiently and securely through mobile.



Mr. Naresh Waswani, Technical Specialist, Persistent Systems Pvt Ltd conducting a session on "Mobile payments using NFC"

On 18th December Mr. Amit Kale, Director, Global Logic Pvt. Ltd., Nagpur, delivered a session on 'Mobile Trends in Software Industry and Challenges'. He gave an overview of the mobile ecosystem, architectures and operating systems of Android and iPhone. He also discussed the challenges like small form factor, limited resources and security that the mobile platform poses.



Mr. Amit Kale, Director, Global Logic Pvt. Ltd., Nagpur delivering a talk on 'Mobile Trends in Software Industry and Challenges'

Mr. Jigar Patel, Software Engineer Persistent Systems Pvt. Ltd., Nagpur delivered a session on 'Mobile Trends in Software Industry and Challenges'. The session included cloud computing and its types, cloud architecture and cloud security. The main focus of the session was to provide practical importance and usage of cloud computing in research areas. The Session Chair for the paper presentation was Dr. M. M. Raghuvanshi, Professor, Department of Computer Technology, YCCE, Nagpur and Dr. Urmila Shrawankar, Associate Professor, Dept of CSE, G.H.R.C.E. Nagpur.



Mr. Jigar Patel, Software Engineer Persistent Systems Pvt. Ltd., Nagpur



Dr. M. V. Sarode, Professor and HOD Computer Engineering, JCET, Yavatmal and Dr. Latesh Malik, Professor and HOD, Dept of CSE, G.H.R.C.E. Nagpur

Training on Java and Web programming for WCL Officers. The College also organized the inaugural function of "Training on java and Web programming" for the officers working in the Systems Department of Western Coalfields (WCL) on 17th November 2014. The chief guest for the function was Shri. V.K. Jha, Principal, (MDI, HRD), WCL, Shri T. K. Roy, GM (Systems), WCL, Shri. M.K. Singh, GM (HRD), WCL. Dr. R.S. Pande, Principal RCOEM, presented the presidential address Dr. M.B. Chandak in this continual education program briefed the gathering about the 20 days training programme that was jointly organized by CSE dept and MDI,HRD,WCL under Industry academia interface in association with III Cell at RCOEM, Nagpur. The training was conducted in two slots of duration that is from 17th to 27th November and from 5th to 13th December 2014. The training content includes Java, JavaScripting, Servlets, HTML, and Interaction with Oracle 11 g Database.



Inaugural Function of Training for WCL officers on 17th November 2014



WCL officers at CSE, Dept, RCOEM in the Training held on 17th November 2014

Department of ELECTRICAL ENGINEERING

FACULTY CORNER

- Prof. V. T. Barhate and Dr. M. M. Renge visited Wainganga College of Engineering and Management, Nagpur along with other expert members deputed by RTMNU on 9th November 2014 for inspection of infrastructure and facility before granting first Affiliation by RTNNU with respect to increase in intake in Electrical Engineering as well to start new M. Tech course in Integrated Power System.
- Dr. S. B. Bodkhe was deputed as part of an inspection committee by BCUD, RTMNU for physical inspection of Approved Research Centre at Y.C.C.E, Wanadongri, Nagpur.
- Prof. V.T. Barhate was nominated as Expert by RTMNU on Board of Studies of Electrical Engineering, Yashwantrao Chavan College of Engineering, Nagpur.
- The following faculty members were invited to chair a Technical Session and Judge the research paper presentation competition on 5th December 2014 for the 3rd National Conference on Green Power Energy at G. H. Raisoni College of Engineering, Nagpur.
 - o Dr. D.R. Tutakne
 - o Dr. M.M. Renge
- Dr. D. R. Tutakne was invited to chair a Technical Session and Judge a research paper presentation competition on 19th December 2014 at International Conference on "Recent Trends & Innovation in Engineering & Technology-2014" at Datta Meghe Institute of Engineering and Technology & Research, Wardha.
- Dr. S. B. Bodkhe delivered an Expert Lecture on "Outcome Based Education and Accreditation" at Anjuman College of Engineering, Sadar, Nagpur on 3rd December 2014 for all Deans, Heads of department and senior faculty members.
- Dr. S. B. Bodkhe presented and published a research paper entitled "Functional Modelling and Simulation of Inverter Fed Permanent Magnet Synchronous Motor Drive" in IEEE 4th International Conference on Magnetics, Machines and Drives (AICERA 2014) organized at Kanjrapally, Kerala. This paper is available on IEEE Xplore
- Prof. T. G. Arora's research paper entitled "Fuzzy Logic Based Electro thermal Life Model for Induction Motor Insulation under Non-Sinusoidal Voltage and Current Waveforms" was published in *Journal of Electrical Engineering*, 14/3, ISSN-1582-4594, pp. 332-340.
- The following faculty members presented their research papers in IEEE International Conference on Power Electronics, Drives and Energy System (PEDS) 2014 at IIT, Bombay:
 - o Prof. P. A. Salodkar presented "A Performance Comparison of Single-Phase Seven-Level Inverter Topologies for Multilevel DC-AC Power conversion" 16th December 2014.
 - o Dr. M. M. Renge presented "Line Commuted Converter for Grid Interfacing of Solar Photovoltaic Array" on 18th December 2014.
- The following faculty members presented research papers in 3rd Hong Kong International Conference on Engineering and Applied Science, Hong Kong on 29th December 2014:
 - o Prof. T. G. Arora presented "Fuzzy Logic Based Design of Experiments Method to Extract the Main Effect Parameter for Insulation Aging in Phase Angle Controlled Induction Motor".
 - o Prof. S. D. Naik presented "Voltage Stability of Multibus Power System: Analysis and Improvement with Line Outage".
- Prof. V. T. Barhate, Dr. M. M. Renge, Prof. N. M. Deshkar, Dr. D. R. Tutakne and Prof. U. B. Mujumdar attended a one day 'Faculty Development Program (FDP)' on "Technical and Management Consultancy" on 29th November 2014.
- Dr. M. M. Renge and Prof. P. A. Salodkar attended a three-day seminar from 16th to 18th December 2014 at IEEE International Conference on Power Electronics, Drives and Energy System (PEDS) 2014 at I.I.T Bombay.
- Dr. D.R. Tutakne reviewed 2 research papers of IEEE transaction on Power Electronics

STUDENTS' ACCOMPLISHMENTS

- The number of placed students of the Department increased from 57 to 63 in this quarter with five students

placed in Bluestar Pvt. Ltd. (Core Company) and one in Ligman Lighting India Pvt. Ltd. (Core Company).

- Mr. Chinmay Harkare, MTech (PEPS) - Third semester student conducted a two-day workshop in the Department on "Introduction to dsPic3EP256MC202 Digital Signal Controller" on 17th and 18th November 2014. The workshop was designed with the objective of "for the student and by the student" under the guidance of by Dr. M. M. Renge. Staff members also attended the workshop.
- Komal Ambhorkar, student of M. Tech. PEPS won the "Best Paper Award" for the paper "Single Phase AC to AC voltage Converter Employing Excitation Angle Control Technique" in the paper presentation competition at 3rd National Conference on Green Power Energy at G. H. Raisoni College of Engineering, Nagpur on 5th December 2014. Dr. D. R. Tutakne was her guide.

CAPACITY BUILDING ACTIVITIES

- Entrepreneurship Development Cell Installation: The Office bearers of Entrepreneurship Development Cell (EDP) of the Department were installed on 1st October 2014. Mr. Ashish Sharma, Platinum Education, Nagpur, a well known HR trainer was the chief guest of the function. He guided the students on "Goal Setting for Successful Entrepreneurship". Prof. V. T. Barhate, HOD-Electrical

Engineering and Prof. M. R. Jain, Chief Coordinator-EDC cell also guided the students on this occasion. Prof. U. B. Mujumdar, Coordinator-EDC of the Department briefed about the activities conducted by the Cell. As part of the events Business and G.K quiz were also conducted. The program was conducted by Ms. Twinkal Thakur and Ms. Sonica Zanzad. Prof. N. M. Deshkar, Prof. D. R. Tutakne, Prof. Hemant Diddee, Prof. (Mrs) S. H. Deshmukh and Prof. (Mrs.) Preeti Kapoor were prominently present in the program.

- A guest lecture on "Introduction to AUTOCAD Electrical" for the faculty members of the Department was organized on 25th November 2014. The lecture was delivered by Mr. Prafulla Baid, CEO, Astral Informatics Pvt. Ltd., Nagpur. The lecture was organized by Prof. V.T. Barhate, HOD Electrical & Prof. G. N. Goyal of the Department.
- An expert lecture on the topic "Energy Trading" was arranged for 3rd Year B.E. students on 8th October 2014 in the Department. The main speaker of this expert lecture was Mr. Nikhil Dhamankar, Manager Business development, Reconnect Energy (Alumni Batch 2009). He covered the important topics like Energy Trading, Types of Energy and opportunities for the young engineer in this field. This lecture was organised by Prof. H. Diddee and Prof. G. N. Goyal.

Department of ELECTRONICS ENGINEERING

FACULTY CORNER

- Prof. R. R. Khandelwal presented a paper entitled "Lattice Vector Quantization with Direct Indexing as Data Differencing Technique" at 9th International Conference on Industrial and Information Systems at Atal Bihari Vajpayee - Indian Institute of Information Technology and Management, Gwalior, India (ISBN-(978-1-4799-6499-4))
- Dr. A.A. Khurshid's paper entitled "Implementation of Izhikevich Spiking Neural Network for Hand Written Character Recognition using FPGA" was published in Proceedings of the WCNA 2014 (Lecture Notes in Electrical Engineering (ISSN: 1876-1100)).
- Dr. A.A. Khurshid's paper entitled "DWT and GA-PSO based novel Watermarking for Videos Using Audio Watermark" was published in *ICSI 2014*, part II, LNCS 8795, 2014. © Springer International Publishing Switzerland.
- Dr. A.A. Khurshid was resource faculty for one-week workshop on "Research Methodology and computational Techniques" at Priyadarshini College of Engineering Nagpur.
- Prof. P.A Dwaramwar, Dr. N Narkhede, Prof. S.R. Pandey, Prof. S Balpande, Prof. J.A Shrawankar and Prof. G Morankar attended a one-day FDP on "Technical and Management Consultancy" organized by III cell of RCOEM, Nagpur on 20th November 2014.
- Prof. Nikhil Damle was elected as Executive Committee Member Bhartiya Shikshan Mandal Nagpur Unit.
- Prof Nikhil Damle organized Group Interaction Workshop on 'Curriculum Enrichment for National Interest' in association with Bhartiya Shikshan Mandal, Nagpur on

- 20th December 2014 at Dharampeth Polytechnic, Nagpur. Prof. B.M. Hardas and Prof. Gouri Morankar attended the same.
- Prof. S.R Pandey attended a one-day workshop on "ARM - Xilinx SoC Lab-in-a-Box" on 16th December 2014 at HiPC 2014 in Goa, India.
- Prof. B.M. Hardas attended All India Academic conference organized by *Punaruthan Vidyapeeth* on 25th November 2014 at Reshimbag, Nagpur.
- Prof. Vishal Rathee and Prof. Poorvi Joshi attended a two-day Professors' Summit on "Embedded System Design using Atmel XMEGA A3BU and ARM based SAM D20" at VNIT Nagpur from 15th to 16th December 2014.
- Workshop on "Mobile Awareness" was held at IETE Nagpur Center for Elderly on 12th Oct 2014. Prof. M.B Damle organized and conducted the workshop.
- Prof. M.B Damle was felicitated for organizing Vidarbha level Quiz Competition on "Electron Devices" held on 2nd November 2014 by Mr. Narayanan, Chairman, IETE Nagpur Section.

STUDENTS' ACCOMPLISHMENTS

- Manisha Das and Sneha Trivedi, IV semester student of M Tech VLSI Design have been selected for internship for their project work at VNIT's incubation center, VNIT, Nagpur.
- Neha Chinchoriya IV semester student of M Tech VLSI Design has been selected for internship for her project work at iMspired Solution Pvt Ltd, Bangalore.
- Sneha Trivedi, Manisha Das, and Mitali Patel students of M Tech VLSI Design attended a three-day workshop on "Parallel Processing and its application" at VNIT Nagpur from 4th to 6th December 2014.
- Snehal Bisen, Akshaykirti Lamgahre, and Khemant Gupta were placed in M/s Ligman Lighting India. Additionally, twelve students were selected by Inautix Technologies. One student was selected in Nice Software.
- Prachi Kulkarni has been elected as student council member RTMNU for year 2014-15.
- Pratik Zhawar, Sujoy Bose, Nitesh Jain, and Vasudeo Singh represented the College at university level basketball tournament and bagged the first prize.
- Moitry Samanta, Gauree Khapekar, and Ashish Singh represented RCOEM at University level table tennis singles tournament and bagged the first prize.
- Harsh Agrawal bagged the first prize and Shrutika

Prachand bagged the 2nd prize in intra-university chess tournament.

- Kirtana Suresh secured 3rd position in Swimming at university level.
- Sheena Thomas won silver medal in triple jump and in swimming at university level.
- K Roy and Sabu were felicitated for winning Vidarbha Level Quiz Competition on Electronic Devices on 2nd November 2014 at IETE Foundation Day.

CAPACITY BUILDING ACTIVITIES

- *Entrepreneurship Development Cell* Electronics engineering office bearer body for session 2014-15 was installed. The installation ceremony was witnessed by the faculty and students of the department. Prof. N S Damle Coordinator ED-Cell coordinated the event.
- Guest Lecture of Mr. Hitesh Dewani from HR Mentors, Nagpur was organized on Friday 19th December 2014 for the 6th semester EN students. The topic of the lecture was "How to prepare for management entrance test". Mr. Dewani gave various tips about aptitude development, communication skills and GD-PI. There was an interactive Q-A session after the talk. The lecture was organized by Electrolitz Student Society In- charges Prof. B.M. Hardas and Prof. (Mrs.) Gouri Morankar.



Mr. Hitesh Dewani addressing the event.

- Guest Lecture of Mr. Nikhil Sharma (EN Alumni 2012 Batch), Assistant Manager at Mahindra and Mahindra, Mumbai was organized on 20th December 2014 for 4th semester students. The topic of the lecture was Placement in Core companies: Challenges and opportunities. Mr. Sharma spoke at length about his experience and advised the students to learn basic concepts thoroughly. There was an interactive Q-A session after the talk. The lecture was organized by Electrolitz Student Society In- charges Prof. B.M.Hardas and Prof. (Mrs.) Gouri Morankar.

- Prof R.M. Patrikar, VNIT Nagpur delivered an expert lecture on MOS Device Modeling for 1st Semester M Tech VLSI Design Students on 1st November 2014.
- Mr. Lalit, Alumni (EN/EDT) from Cadence India, Delivered a lecture on "Scope of Semiconductor Industry and Opportunities" for students on 26th December 2014.
- Mr Aditya Bankar, Sr Design Engineer, Qualcomm Bangalore interacted with Faculty of M Tech VLSI Design on various issues in ASIC verification, DFT and recent advances in VLSI Design. He also delivered a guest lecture on "ASIC Implementation" for M Tech VLSI Design students on 27th December 2014.

ENTRIX 7.0



Dignitaries releasing ENTRIX 7.0 souvenir

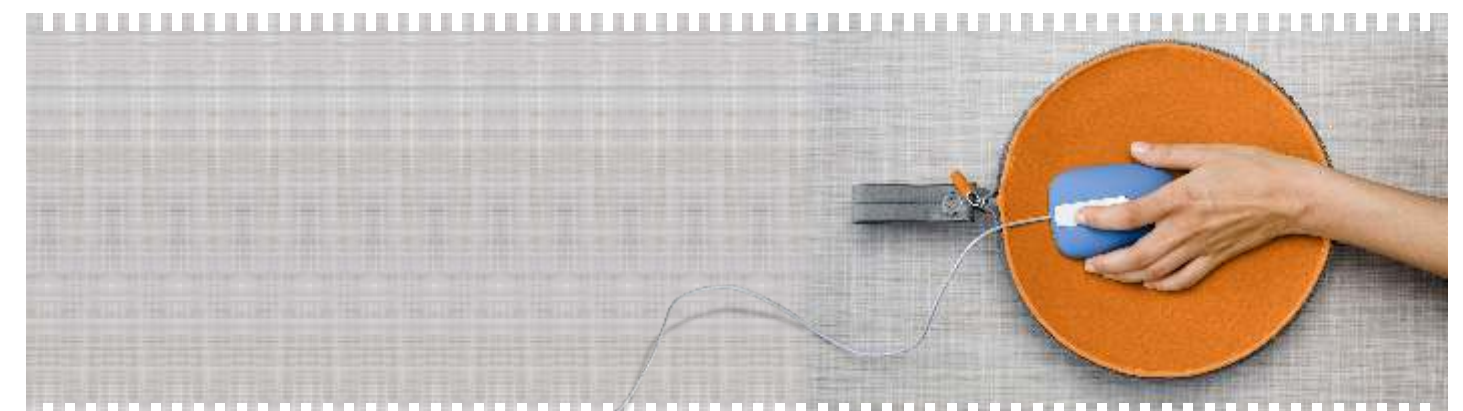
One week technical workshop for Second year students ENTRIX 7.0 was inaugurated at the Department on 22nd December 2014. The workshop was inaugurated at the hands of Shri. Gulabrao Thakare, Joint Director, Technical Education, Nagpur Division. Mr. Govindlal Agarwal, General Secretary presided over the function. Dr. R. S. Pande, Principal, RCOEM; Dr.(Mrs.) A.A. Khurshid, HOD; Prof. B. M. Hardas and Prof. Gouri Morankar Convener ENTRIX 7.0 ; Mr. Pratik Jhawar, President ELECTOLITZ Student society and Mr. Shubham Rajurkar, Technical coordinator ENTRIX 7.0 were prominently present on the dais. Mr. Shubham Rajurkar, technical coordinator introduced ENTRIX 7.0 and

discussed the sessions to be conducted in week long workshop. In her address Dr. (Mrs.) A. A. Khurshid stressed on the importance of such type of workshops in career building and requested the participants to take maximum advantage out of it. She also highlighted achievements of the Department. Principal Dr. R.S. Pande in his address recalled his association with ENTRIX. He congratulated Electrolitz student society for continuing the legacy ahead. Chief Guest Mr. Gulabrao Thakare in his address advised students to learn fundamentals and participate in the technological revolution. He spoke at length about journey of technological innovation in last 25 years and laid emphasis on the fact that engineers are nation builders. Shri Govindlal Agarwal in his Presidential address applauded the Department for arranging such workshop for the students. He hoped that team ENTRIX will broaden their horizon and make their presence in the technical arena in near future. About 140 Students from RCOEM and various institutes participated in the workshop. Souvenir of ENTRIX 7.0 was also released on the occasion. Electrolitz Students were felicitated for their achievements in academics, placements, and sports. Kartik Shrinivasan and Prajakta Munshi compered the programme. Mr. Pratik Jhawar proposed vote of thanks.

BEYOND ACADEMICS



Alumni of Electronics/EDT interacted with the faculty and students of the Department on annual Alumni Day "CONCLAVE" on 26th December 2014.



Department of ELECTRONIC DESIGN TECHNOLOGY

FACULTY CORNER

- Prof. V. E Khetade, Prof. D.T Shelke, Prof. A. Gupta, Prof. J.B Zalke, and Prof D.D Shrivastava attended Faculty Development Program on Technical and Management consultancy organized by Industry Institute Interaction RCOEM on 29th November 2014.
- Prof. Deepali Shelke attended a three-day Faculty Development Program on "Advanced Developments in RF and analog IC Design" from 22nd to 24th December 2014 organized by SM technologies Pvt ltd, Nagpur.
- Prof. Anju Gupta presented her paper entitled "A Step Towards Realization Of Graphene For Digital Electronics" and "High Frequency and Area Efficient Digital Controlled Oscillator using Nand Gates" in International conference on Electrical Power control and Electronics Engineering (ICEPEE-2014) on 7th December 2014 at Goa.

- Prof. Suchita Goswami presented a paper entitled "An extensive Survey on Feature Extraction Techniques for facial Image Processing" in IEEE International Conference on Computational Intelligence and Communication Networks (CICN 2014) held on 8th November 2014 at Bhopal.

STUDENTS' ACCOMPLISHMENTS

- Akansha Singh, Umesh Hinge, and Naveen Purohit of 7th semester attended a five-day Training at Doordarshan from 8th to 12th December 2014.
- Zulqarnain Sabir, Latasha Parasnani, Tilak Gattani, and Nitya Jain of 7th semester attended ten-day Training at RNR datalex from 1st to 10th December 2014.
- Sixteen Final year Students of the Department have been paced so far in MU Sigma, HSBC, Infosys, Tech Mahindra, L& T Infotech, Capgemini.

Department of ELECTRONICS AND COMMUNICATION ENGINEERING

The Department has received 2 year accreditation in TIER-I from NBA (National Board of Accreditation), New Delhi.

FACULTY CORNER

- Dr. S. B. Pokle's paper entitled "An Energy Efficient Localization Strategy using Particle Swarm Optimization in Wireless Sensor Networks" was published in *International Journal of Advanced Engineering and Global Technology*, 2/10, ISSN No: 2309-4893, October 2014.
- Prof. B. A. Neole presented a paper entitle "Denoising of Color and gray Images using Shifted DWT Cyclespinning Algorithm" in ICVGIP 2014 held from 14th to 17th December 2014 at IISc, Bangalore.
- Prof. Deepak Khushalani and Prof. Vaibhav Dubey co-authored a research paper entitled "Design Optimization & Fabrication of Micro Cantilever for Switching Application" in *Sensors and Actuators A: Physical*, doi:10.1016/j.sna.2014.10.038, December 2014.
- The following faculty member gave expert lectures:
 - o Dr. R. D. Raut spoke on "Role of AI in Cognitive Radio" in a STTP organized at JDIT, Yawatmal on 18th November 2014.
 - o Dr. R. D. Raut spoke on "Overview of Cognitive Radio &

methods for performance improvement" in a STTP organized at Anjuman college of Engineering and Technology, Nagpur on 27th November 2014.

- o Dr. M.D. Chawhan spoke on "Wireless Communication Network" to students of Electronics Department SDMP, Nagpur on 17th December 2014.
- Dr. Rajesh B. Raut attended SCILAB India conference on 3rd and 4th December, 2014. The conference was organized by FOSSEE project (under NMECIT project Government of India) at IIT Bombay.
- Prof. V. S. Lande, Prof. P.S. Agrawal, Prof. R.W. Somkuwar, and Prof. P. N. Thakre participated in a two-day workshop on "Embedded Systems Design using ATMELs 8 bit and 32 Bit Microcontrollers" organized by ATMEL Corporation under University Program at Department of EC, VNIT Nagpur on 15th and 16th December 2014.
- Dr. S. B. Pokle was invited as Chief Guest for the inaugural function of a two-day workshop on RF IC Designing Techniques, organized by J.D. College of Engineering, Nagpur on 22nd December 2014.

STUDENTS' ACCOMPLISHMENTS

- Fifteen Final year students from all branches have applied to various USA Universities for M.S. Program for Fall - 2015 session under the guidance of Prof. Anish Goel. Ms. Urvashi Dhoot (Final Year EC) has already received acceptance from New York University, USA for M.S. in Electrical Engineering in VLSI with a scholarship of \$6,000 per annum

CAPACITY BUILDING ACTIVITIES

- GUEST LECTURE ON "Modern Marketing Strategies" EDC of the Department organized the lecture on 23rd December 2014. The workshop was conducted with the sole purpose of making technical students (second and third year) acquainted with the modern trends in sales and marketing. The dignitaries present were Mr Vaibhav Sharma, a PGDP from IIM Shillong, who is working with Glenmark in a Business development profile posted in Prague, Czech republic and Mrs. Bhavya Chowdhary, also from IIM Shillong and Central Head of Bulls Eye, Nagpur. Mr. Vaibhav Sharma spoke to the students about the skills required to be a successful entrepreneur. The seminar was organized under Dr. Pankaj Agrawal, EDC co coordinator of EC branch and was attended by HOD - Dr. S. B. Pokle and the faculty members.



Seminar on Higher Studies in INDIA and Abroad

- Prof. Anish Goel organized a seminar on "Career Opportunities in Telecom Management" for Final Year EC students on 22nd December 2014. The lecture was delivered by Dr. Milind Deshpande, Project Director of MIT school of Management.
- Prof. Anish Goel designed and detonated Development Kits of 8051 Microcontroller to Embedded Systems Lab., EC Department. The kits are being used by Third Year and Final Year students.



Prof. Anish Goel with Development Kits of 8051 Microcontroller



Guest lecture on "Modern marketing strategies"

- Prof. Anish Goel, Mentor faculty of RCOEM "RoboTech Club" conducted various activities for students where they designed and fabricated robot to participate in "Vortex" at IIT Bombay Techfest 2015.

Department of INDUSTRIAL ENGINEERING

FACULTY CORNER

- Prof D. R. Zanwar has been awarded Ph. D. in Mechanical Engineering from RTM Nagpur University.
- Prof Pravin Tambe has been awarded Ph. D. in Mechanical Engineering from IIT Delhi.
- Prof. Yogesh Despande has attended short term training program on "Advance Engineering Optimization through Intelligent Techniques (AEOTIP)" from 1st to 5th December 2014 at Mechanical Engineering Department, SVNIT, Surat.
- Prof. Amit Adhaye has attended training program on "Rapid Prototyping Assisted Manufacturing" from 15th to 19th December 2014 at Mechanical Engineering Department, VNIT, Nagpur.

STUDENTS' ACCOMPLISHMENTS

- 40 students of 2015 batch of Industrial Engineering have been placed in various companies till December 2014.

CAPACITY BUILDING ACTIVITIES

- Installation ceremony Indian institution of industrial engineering- Nagpur students chapter (IIIE-NSC) – 2014-15



In the first session of the programme, Prof. Rajesh Madarkar welcomed all the guests and emphasized upon the need of cleanliness in India. He gave precise information about the upcoming events that IIIE-NSC is planning to organize. Dr. M.M Gupta gave a very encouraging speech which touched some facts of engineering students' lives and the difficulties

that they face with regard to balancing academic and extra-curricular activities. He also enlightened upon the history of IIIE-NSC, how it was formed, and how the students made it a grand success. Later Dr. K.N Agrawal (H.O.D Mechanical Engineering Department, RCOEM) encouraged the students and the new body of IIIE-NSC by giving some of his mantras such as "producing Japanese Technology at Chinese price". Dr. I.P Keswani also guided the students about the current aspirations of the companies and the need to be updated with recent activities all over the world.

Then the Guest of Honor Mr. Abhishek Jhaspoke about optimization and shared his experiences. Chief Guest Mr. Harish Kutemate gave brief description about the future aspirations of IIIE and the upcoming plans. On behalf of IIIE Mr. Harish congratulated the body and urged the body members to work hard and set a new standard by portraying some new ideas and innovative thinking. In the last section all office bearers were given badges. Dr. V.S Deshpande gave the Presidential address and reflected upon the need of proper time and schedule management. He emphasized time management. Lastly Mr. Archan Das on behalf of IIIE-NSC gave the vote of thanks.

Guest lecture on "Opportunities for Industrial and Mechanical Engineers in ONGC"

It was organized on 22nd December 2014 in the Department. Mr. Trushant Wasnik, Manager Finance shared his experience and spoke on this topic. In his lecture he told the students that Oil and Natural Gas Corporation Limited (ONGC) is a company with a global vision and noble mission having a strong manpower force of over 32,000. Lot of opportunities for mechanical and industrial engineers exist in drilling, production, maintenance, materials management, industrial engineering, etc in ONGC. During the lecture, he also talked about the stress management and emphasized the importance of "Vipassna" to the students.



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BEYOND ACADEMICS

Alumni Meet at the Department

The Department organized an annual alumni meet for the

session 2014-2015. The alumni were from 1998 batch. Dr. I.P Keswani, Head, Industrial Engineering felicitated the alumni. The alumni shared their experiences with all the students and motivated the students to become successful entrepreneur. The gathering ended with Dr. K.N Agrawal's speech and vote of thanks by Dr. I.P. Keswani.



Department of INFORMATION TECHNOLOGY

FACULTY CORNER

- Prof. M. A. Tayal presented a paper on "Word net based method for determining semantic sentence similarity through various word senses" in 11th International Conference on Natural Language Processing (ICON-2014) at Goa University, Goa from 19th to 20th December 2014.
- Prof. M. A. Tayal attended tutorials on "Emotion Analysis and Applications", "Machine Translation Quality Estimation: Lessons from a Typical NLP Task" and "Projection for NLP tasks in a Multi-Lingual setup" at 11th International Conference on Natural Language Processing (ICON-2014) at Goa University, Goa from 19th

to 20th December 2014.

- Prof. P. D. Adane attended a three-day workshop on "Parallel Processing and its Applications" organized by Department of Computer Science and Engineering, VNIT, Nagpur from 4th to 6th December 2014.
- Prof. P. D. Adane participated in "COMPUTE 2014", The 7th ACM India Conference organized by ACM Nagpur chapter and hosted by Department of Computer Science and Engineering VNIT, Nagpur from 9th to 11th October 2014.

STUDENTS' ACCOMPLISHMENTS

- 76 percent of Final Year IT students were placed through the campus placement process till the end of this quarter.



Department of MECHANICAL ENGINEERING

FACULTY CORNER

- Prof. G. R. Nikhade's paper entitled, "Modal Analysis of Body in White", was published in the *International Journal of Innovative Research in Science & Engineering*, 2/12, pp. 800-805, December 2014.
- Prof. G. R. Nikhade's article entitled "Study of dynamic interaction between manipulator and omni-directional platforms", was published in news bulletin – Association for machines and mechanisms, 6/4, October 2014.
- Prof. A. D. Urade attended one week STTP on "Advanced Engineering Optimization Through Intelligent Techniques(AEOTIT)" organized by Department of Mechanical Engineering, Sardar Vallabhbhai National Institute of Technology(SVNIT), Surat from 1st to 5th December 2014.
- 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 9th December 2014
- 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 December 2014
- 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 December 2014.
- 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 December 2014.
- Prof. S. S. Deshmukh delivered an expert lectures on "Design and Maintenance of Steam lines" at Ordnance Factories Institute of Learning Ambajhari, Nagpur on 10th December 2014.

STUDENTS' ACCOMPLISHMENTS

- 47 Final Year students of the department have been placed. They have received offer letters from the following companies, Raymonds (2), ITC Infotech (3), Blue Star India Ltd(6), Flour Daniel(3), Infosys(19), Tech Mahindra(6), L&T Infotech(3), Capgemini (3), HSBC GLT(1), Ligan Lighting India Pvt Ltd(1). The numbers are will increase with many companies likely to visit the College in the next quarter.

CAPACITY BUILDING ACTIVITIES

A guest lecture on ROBOTICS was organized for the students of IV semester on 22nd December 2014 from 12:00 to 1:30 pm. Ms. Meenakshi Chippa, Founder and Head, Electus Robotic Training Academy Nagpur was the guest speaker. Prof. P. B. Shiwalkar and Prof. A. D. Urade co-ordinated this activity.

BEYOND ACADEMICS

Departmental Alumni Meet: Department of Mechanical Engineering organized its 1st Alumni Meet on 18th October 2014 at the college campus .The students of 2012-13 and 2013-14 batches were present. Dr. K. N. Agrawal gave the inaugural speech and informed the alumni about their duties and responsibilities towards their Alma Matter. He also narrated how the RCOEM alumni association which was started 20 years back, has grown into a very strong community with its members at various key positions in industries and institutes across the country. Dr. V. S Deshpande also spoke during the gathering. Dr. M.M Gupta also addressed the gathering and wished the alumni success in all their endeavors. He highlighted the importance of alumni in providing guidance to their juniors. Prof. D.R. Zanwar stressed upon strengthening the bond between industry and institute, in which the alumni can play a vital role to provide placement and employment guidance by providing best opportunity for the students. The students of the department recited poems for their seniors. A presentation highlighting the student activities of the department was given, in which the alumni were made aware of the activities carried out by MECHASSO, EDC Cell and SAE Collegiate Club. The Alumni shared the memorable moments of their college life with their juniors and also guided them by sharing their experiences.



Basic Sciences



Department of CHEMISTRY

Dr. C. P. Pandhurnekar attended the International Conference of Numerical Analysis and Applied Mathematics which was held at Hotel Rodos Palace, Rhodes, Greece. He presented on 'Studies on the New Fuels with Santilli Magneuclear Structure and Their Industrial Applications'. This international workshop was sponsored by The R. M. Santilli Foundation, Palm Harbor, Florida, USA



• A Marquis Who's Who Publications, New Jersey, USA has selected biographical profile of Dr. C. P. Pandhurnekar for inclusion in the new Who's Who in the World® 2015 (32nd Edition). This new edition features biographies of more than 55,000 of the most accomplished men and women from around the globe and from all fields of endeavor. Since 1899, Marquis Who's Who has remained the standard for reliable and comprehensive biographical data. They have published more than 1.5 million biographies so far.

• Dr. S.S. Butoliya delivered a guest lecture on 'How to score more in Engineering Chemistry' at J.D. College of Engineering, Nagpur on 12th October 2014.

Dr. C. P. Pandhurnekar attended the Second International Workshop on Hadronic Chemistry, Physics and Mathematics organized by Post Graduate Department of Chemistry, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur from 24 to 29th November 2014. He was also invited to deliver a talk on 'Studies on the New Fuels with Santilli Magneuclear Structure and Their Industrial Applications'. The motive of this workshop was to attract young Indian researchers to undertake sponsored projects on various fields of Hadronic Chemistry, Physics and Mathematics by the R. M. Santilli Foundation, Palm Harbor, Florida, USA.

Department of HUMANITIES

FACULTY CORNER

1. Dr. V.H. Asudani was invited to deliver a guest lecture on 'Role of Social Capital in Environmental Protection' by UGC-Academic Staff College, RTM Nagpur University in Refresher Course in Environmental Sciences on 1st October 2014.
2. Dr. V.H. Asudani was invited to deliver lecture in One Day Workshop 'Karmayogi' for teaching faculties and post graduate students at Wainganga College of Engineering and management on 4th October 2014.
3. Dr. V.H. Asudani was invited to deliver a guest lecture on 'Innovative Trends in Research' by UGC-Academic Staff College, RTM Nagpur University in Special Winter School on 19th October, 2014.
4. Dr. V.H. Asudani was invited to deliver a guest lecture on 'Role of Teachers in 21st Century' by UGC-Academic Staff College, RTM Nagpur University in Special Winter School on 21st October 2014.
5. Dr. V.H. Asudani was invited to conduct one day Seminar for students and teachers on 'The Art of being Effective' at Sant Kanwar Ram Uchattar Madhyamik Vidyalaya, Dabra, Madhya Pradesh on 10th November 2014.
6. Dr. V.H. Asudani was invited to participate in International Conference on 'Shah Abdul Latif, a great classical poet' organized by Marvi, a women's cultural & literary organization in New Delhi from 16th - 18th December 2014.
7. Dr. V.H. Asudani was invited as a resource person and Chief Guest for the programme on 'Psychology of students in present era' by Dept. of Commerce and Commerce Study Circle, J.M. Patel College, Bhandara on 24th December 2014.
8. Dr. V.H. Asudani was invited to deliver a guest lecture on

- 'Changing role of teacher in ICT era' in a two-day workshop on 'Latest Trends in Teaching-Learning Process-A New Approach' at Dr. Babasaheb Ambedkar College of Engineering and Research, Nagpur.
9. Mrs. Monika. R. Seth was awarded PhD by RTM Nagpur University on 3rd of November 2014. Her topic of research was 'Effect of Parenting Styles and their Impact on Educational Performance of Children at High School Level.'
10. Ms. Pratishruti Singh was invited as an expert on the interview panel for WAD, Winter, 2014 on 14th December 2014 organised by RCOEM.
11. Ms. Pratishruti Singh was invited to deliver a guest lecture on 'Interview Skills' at WAD-2014 (Workshop on Attitude Development) organized by Shrimati Binzhani Mahila Mahavidyalaya, Mahal, Nagpur on 21st December 2014.
12. Ms. Pratishruti Singh was invited as a judge for 'ABHIVYAKTI-Orator of the Orange City (Junior)', an inter-collegiate elocution competition, organized at Govindrao Wanjari College of Engineering and Technology, Nagpur on 23rd December 2014.
13. Ms. Akanksha Deshpande and Dr. V.H. Asudani presented a paper titled 'Internet Addiction and Locus Control among Undergraduate Engineering Students' at the National Conference on Mental Health Awareness organized by Post Graduate Department of Psychology, RTMNU on 30th December 2014
14. Dr. V.H. Asudani, Dr. Monika.R.Seth and Ms. Rebecca Khemani presented a paper entitled 'Effect of Internet usage on Well being among Adolescents' at the National Conference on Mental Health Awareness organized by Post Graduate Department of Psychology, RTMNU on 30th December 2014.

BEYOND ACDEMICS

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 :

1. Bird Conservation and monitoring activities

- REEF was invited to be part of the Water fowl census organized by Forest Department and Bombay Natural History Society (BNHS) on 21st Dec 2014. A record 5,000 Red crested Pochards were documented by the team along

with other birds at Wena lake, Nagpur. The team comprised of Sneha Gupta (IT), Harjot Kahai (Civil), Manas Agrawal (Ind), and Rohit Hazare (First Year).

- REEF was invited to be part of the organizing team of Bird race organized by Wild-CER and sponsored by HSBC. Dr.

Deepshikha Mehra and Sahil Dalvi (EN) were incorporated as organizing team members.

- REEF team continued their fieldwork at Raj Bhavan on the bird monitoring project granted to them by Raj Bhavan authorities.
- On 16th November 2014, REEF mentor faculty Dr. Deepshikha Mehra was the first bird watcher in Nagpur to sight the migrant birds from Mongolia- Bar-headed Geese in Gorewada, which was a record sighting in Nagpur after 20 years.



- REEF member – Aaditya Somani (EN) rescued an injured Barn owl on 28th December 2014 in the College, that was then handed over the Wild-CER for treatment
- REEF members continued with the bird monitoring and fieldwork activities around lakes in Mihan, Gorewada lake, Wena lake, Raj Bhavan, Ambazhari backwaters and other biodiversity hotspots. In the process they identified many bird species and polished their skills of identifying birds.



Sneha Gupta sharing her expertise in bird Monitoring with new members of REEF



REEF members after fieldwork in Mihan

2. Community service

- REEF students continued with their regular activity of teaching underprivileged students. Other than teaching them for 3 hours every day, REEFians also undertook counseling of some of the students for them to overcome their social inhibitions and bad group behaviors.

3. Awareness Building activities

- REEF continued with its awareness about environment through the social network site by uploading information on pollution, birds, waste management, and many other issues of concern related to environment on its facebook page <https://www.facebook.com/reef.rcoem>.
- REEF students made posters for creating awareness about Ozone layer depletion on Ozone day. They also made posters for less use of fire crackers in Diwali in order to lessen air and noise pollution.

4. Other activities

- One of the REEF members – Manas Agarwal conducted a workshop on Photoshop by for REEF students in the Language Lab of the Department.
- An AGM or all general meeting of REEF members was held on 28th December 2014 to discuss the activities to be undertaken in even semester of 2014-15.



5. Research Activities

- The REEF team comprising of Rohan Dekate (Mech), Aaditya Somani (EN), Vishakha Jaiswal (EN), Radhika Kale (EN), and Manas Agarwal (Ind) were declared winners of the international research competition called Earthian organized by Wipro. The results were declared on Wipro's Earthian website on 15th December 2014

READERS' REVERIE

RCOEM Readers' Reverie a college level reading club conducted a debate competition 'Speak Out Loud' on 31st October 2014 as a part of its offline activity for First Year students. Principal Dr. Rajesh Pande, Prof. S B Singh, VMV Collge, Nagpur and Ms. Mamta, who were the judges for the competition and First Year In charge Prof. A.K Agrawal congratulated all the winners and said that such initiatives would boost the confidence of students, eliminate their stage apprehensions and enhance their oratory skills. Dr V.H Asudani, Head, Department of Humanities informed the august gathering that in this year there were more than 100 entries for the competition and in coming years there won't be such scenarios where students will be eliminated from job interviews on the basis of their poor communication skills as this club will enhance their reading habits and its offline activities will help in making all round development of the students. Mentor faculty, Prof. Mouli Chowdhury briefed about future initiatives to be taken by the club. Ritu Khandelwal and Neeraj Dayarami bagged 1st and 2nd positions respectively amongst the speakers who spoke for the motion and Rajat Thatere and Dipika Ramchandani were adjudged 1st and 2nd respectively amongst the speakers who spoke against the motion. The program was compeered by Priyal Kulkarni and Sarthak Sharma and vote of thanks was proposed by Mithilesh Wachasunder. Dr. Monika Seth, Prof. Pratishruti Singh and Prof. Rebecca Khemani contributed to the efficient conduction of the competition.

**OTHER ACTIVITIES**

1. The team of Utkarsh Rathi from Industrial Engineering and Ath Tiwari from Mechanical Engineering accomplished the following under the guidance of by Dr. V.H. Asudani and Prof. Pratishruti Singh:

- They lifted the Winners' trophy of Seth Kesarimal Porwal Memorial Debate Competition held at Seth Kesarimal Porwal College, Kamptee on 7th October 2014. The team also bagged first and third positions respectively. The topic for the debate was 'In the opinion of the house, social networking sites have adverse effects on youth'.



- They bagged the Best Team prize at a debate competition organized by the Department of Political Science, Shri Binzhani City College, Nagpur on 18th October 2014. They were awarded the first prize jointly.
- They were adjudged the best in debate competition at 'Vedh', a youth fest organized by R.S.Mundle Arts and Commerce College, Nagpur on 15th December, 2014.
- The team of the College lifted the Winners' shield of Sundar Vakritva Spardha held at Shrimati Binzhani Mahila Mahavidyalaya, Mahal, Nagpur on 10th December 2014. They also bagged first and second positions. The topic for elocution was, 'Contribution of the youth in eradicating corruption'.



2. Utkarsh Rathi was awarded 2nd prize in extempore competition at Youth Fest organized by the District Sports Officer, Nagpur on 5th December 2014.
3. Utkarsh Rathi was awarded a special prize for his impressive performance at the elocution competition organized by Sports Journalists Association Nagpur at Dr. Babasaheb Ambedkar College, Nagpur on 8th October 2014.
4. Ath Tiwari bagged second position at the district level elocution competition organized by Vidarbha Sahitya Sangh on 17th December 2014. The topic for elocution was 'Meri Sankalpana ka Bharat'.

Department of MATHEMATICS

- Dr. S. D. Mohgaonkar was invited as chief Guest for Mathematics Cross Word Competition "Numeromagic" held on 6th December 2014 at T.B.R.A.N's Mundle English Medium School, Nagpur.
- Dr. S. D. Mohgaonkar chaired a Session in one day conference on "India's Contribution to Mathematics" held on 7th December 2014 jointly organized by "Shiksha Sanskruti Utthan Nyas" and T.B.R.A.N's Mundle English Medium School, Nagpur.
- Prof. B. R. Chide delivered a guest lecture on "Differential equation and its application" for BE First students on 7th October 2014 at Priyadarshani College of Engineering, Nagpur

Department of PHYSICAL EDUCATION**FACULTY CORNER**

- Dr. S Dogra's paper entitled "Hemoglobin Percentage Amongst the National Level Girl Handball Players of Central School" was published in *Velocity International Journal of Physical Education, Sport, Health and Education*, ISSN NO: 2348-9057, 2/1.
- Prof N. Jangitwar was appointed as a Technical Official State Level Handball Tournament held at Wardha from 2nd to 5th October 2014.
- Prof N. Jangitwar were also appointed as a RTMNU Technical Official west Zone Inter University Handball Tournament held at Nagpur from 5th to 9th October 2014.

STUDENTS' ACCOMPLISHMENTS

Eight basketball players (M & W) were selected for RTMNU and represented West Zone Interuniversity Meet.



- The Girls' teams included Radhika Mohta (IT IV), Pallavi Bisht (CS IV), Nidhi Agrawal (First Yr. - Represented University), Anushree Misra (EC III - Represented ashwamedh), Aditi Joshi (First Yr.), Resham Shrivastava (CS II - Represented ashwamedh), Mehak Khurana (First Yr.), Deepali Singh Chauhan (CSE II), Madhulika Dolke (EC II - Represented ashwamedh), Ankita Agrawal (CS II), Antara Mehta (First Yr - Represented university), and Riddhi Kakadiya (IT II).
- The Boys' team consisted on Akhilesh Garud (EP IV), K.S.S Govind (Represented University - CS III), Vihang Tapas (Represented University-IND II), Nikunj Chandak (represented University-MECH II), Sujoy Bose (EN II), Vishwas Doifode (EC IV), Ashish sirothia EC IV Tanmay sharma CS III Ameya sane IND II Vasudev singh EN II Nitesh jain EN II Pratik jhawar EN IV



- Volleyball team (W) participated in intercollegiate tournament and reached up to quarter finals.

- RCOEM participated in RTMNU Intercollegiate Shooting Championship from 15th to 16th October 2014.
- Cricket team (M) participated and secured 4th position in RTMNU intercollegiate Cricket tournament from 1st to 17th October 2014.
- RCOEM participated in RTMNU Intercollegiate Power-Lifting Championship from 5th to 6th December 2014.
- College Lawn Tennis team (M) secured 4th position in RTMNU intercollegiate Tournament from 9th to 11th December 2014.
- Swimming Team (Men) won General Champions in RTMNU Intercollegiate Tournament, organized from 5th to 7th October 2014. The team consisted of Shrish Dharme (IND IV), Chetan Vikas Tidke (IND III), Harshwardhan B Rai (MECH II), Shubham Chauksey (I Year), Krupal A. Lambat (EC II), and Mayur A Hulke (EN IV)
- Krupal Lambat (EC II) & Mayur Hulke (EN IV) represented RTMNU in All India Interuniversity Swimming Championship.
- RCOEM Athletic Team (Men and Women) participated in RTMNU Intercollegiate Athletic meet from 16th to 19th December 2014 and won 2 silver Medals. It included Priyanka Karve (100 mts Race) and Sheena Thomas (Triple Jump).

BEYOND ACADEMICS

- Sports Cup Inter-Branch tournament of Tag Rugby (M) and Throw ball (W) were completed.
- College Cricket team (M) participated in Intercollegiate Cricket Tournament "KRIKMANIA" organized by VNIT.
- College Football Team (M) Participated in Invitational Intercollegiate Football Tournament organized by Porwal College, Kamptee.
- Mr.Utkarsh Rathi (B.E. II) got Consolation Prize in a debate Competition on the Topic "Indian Sports Person prefer Personal Glory over Country" organized by Sports Journalist Association of Nagpur (SJAN) on 8th October 2014.

NSS

- On 16th December stationary distribution carried out by NSS Unit of RCOEM in NAV Yauvak School, Mahal.
- A lecture on 'Traffic Rules and Regulations' were organized by the students of NSS unit at Platform Gyan Mandir on 21st December 2014. The students of platform school carefully learnt the traffic rules.
- College NSS Unit visited Deaf and Dumb School, Saoner on 27th December 2014 and spent some quality time with the school children



PG POST GRADUATE PROGRAMME

Department of MANAGEMENT TECHNOLOGY

FACULTY CORNER

- Dr. Neeta V. Shah has been appointed on the Editorial Board of International Journal of Research in Emerging Science and Technology, ISSN No: 2349-7610.
- Dr. Neeta V. Shah was invited for Inter University event "AVISHKAR-2014" at North Maharashtra University, Jalgaon on 17th and 18th October 2014. She delivered a speech in the valedictory function.



- Dr. Sunita Kshirsagar Dhote created a new Asia Record of "Longest Cycling Expedition - Female" dedicated to spread the awareness about the 'Swachh Bharat' mission. She travelled by bicycle from Nagpur on 7th November 2014 to reach Puducherry on 13 November 2014 covering 1,412 km in seven days. She covered five states. She was

felicitated by the certificate and trophy of Asia book of record by the hands of Chief Minister of Puducherry Shri N. Rangaswamy on 14th November 2014. Since her endurance level was high in the category of records, she was felicitated by Doctorate Degree by World Record University in the Convocation function held at Ho Chi Minh City of VIETNAM by the hands of Former President of Vietnam Mr. NGUYEN MINH TRIET on 22nd November 2014

- Prof. Roopesh Rao was invited for guest lecture on occasion of Vigilance Awareness Week-2014 on 29th October 2014 at POWERGRID Regional Head Quarters, Nagpur. He spoke on 'Combating Corruption-Technology as an enabler'. The lecture was followed by discussion among the Directors, General managers, and employees of Powergrid.

- Dr. Sunita Dhote, Prof. Ruchi Sao, Prof. Pritam Bhadade, and Prof. Shrawan Chandak attended National Workshop on Multivariate Data Analysis and Structural Equation Modelling from 9th to 12th December 2014 organized by Datta Meghe Institute of Management Studies, Nagpur



Guest Lecture at Powergrid by Roopesh Rao, of DMT

STUDENTS' ACCOMPLISHMENTS

Debate Competition in association with POWERGRID:

The Department conducted a debate competition on "Role of Technology in Eradication of Corruption" on 30th October 2014 in the presence of Chief Guest Mr

Shri A Sudhakar, DGM (Vigilance). This competition was held to uplift the theme - "Combating Corruption – Technology as an enabler" observed during the Vigilance Awareness Week in India. The event started with an opening remark of HOD Dr. Neeta Shah followed by a motivating speech by Mr Shri A Sudhakar. He reflected upon the role of the CVC central vigilance commission as the apex integrity institution of the country promoting probity and integrity in public life. The competition was judged by two senior faculty members of the DMT Prof. Deepak Titus and Prof. Ruchi Sao. Eleven teams participated with 6 teams speaking for the motion and 5 teams against. Every team had been appointed a mentor who helped them to prepare for the competition. Each team consisted of two members. The teams were judged on their content, confidence, vocabulary, presence of mind, body language and general awareness.

- The second runners up were Neha Mundhada and Mohit Khungar, first runners up were Shirin Chimthanawala and Deepika Chhajer. The first position was bagged by Tejas Aglawe and Shreya Mishra. All the winners received gift vouchers and certificates at the hands of the Chief Guest and other dignitaries. The senior officials of POWERGRID WR-1 RHQ Nagpur, Shri K Palaniappan, DGM (HR), Shri A K Handa, DGM (Engineering-Civil), Shri R J Dubey, DGM Commercial, Mrs J Mrinalini Paul, DGM (Contracts) attended the programme.



Department of COMPUTER APPLICATIONS

FACULTY CORNER

- Prof. Satyajit Uparkar delivered expert lecture on "MATLAB", in ISTE Recognized one week workshop on "Research Methodology and Computational Techniques" on 26th December 2014, at Priyadarshini College of Engineering, Nagpur.

- Prof. Shruti M. Rakhunde presented a paper titled, "New approach for Reversible Data Hiding using Visual Cryptography " in Sixth IEEE International conference on Computational Intelligence and Communication Networks 2014, organized by JRN/RVP University Udaipur, MRI Labs, Bhopal dated 14th to 16th November 2014.

- Prof. Mohini Upsani, Prof. Punam Khandar, and Prof. Rupa Patel attended a three-day workshop on "Parallel Processing and Its Applications" organized by Department of Computer Science and Engineering, VNIT, Nagpur, from 4th to 6th December 2014.

- Prof. Abhijeet Thakare, Prof. S. Upakar, Prof. Yoginee Pethe, and Prof. Kaushik Roy, attended Faculty Development Programme on "Technical and Management Consultancy" organized by MBA department RCOEM, Nagpur on 29th November 2014.

- Faculty Training on Android Technology: As per MoU between Department of Computer Application and Kratin Software Solution Pvt. Ltd. training on Android platform was conducted for the faculty members of the department, so that knowledge can be imparted to the students during laboratory work.

CAPACITY BUILDING ACTIVITIES

- Internship Recruitment Drive For Student's: MCA Internship Drive was organized by the department of Computer Application during the last two months for final year students of MCA which was coordinated by Prof. Abhijeet Thakare and Prof. Kaushik Roy under the guidance of Dr. D.S Adane, HOD, MCA and Prof. Anupam Kher, DEAN T&P. In this drive 61 MCA final

year students were selected for Internship in different reputed IT companies like Kratin S/W Solutions, KloudData, Kizora Systems, Knowmax Systems, SoftTech Solutions, and Oakland Systems etc.



Pre-internship presentation of Kratin S/W Solutions, Nagpur.

- Faculty Training on Android Technology: The Department of Computer Application has started a laboratory on android applications with the company Kratin Software Solution Pvt. Ltd. which is a leader in mobile product innovation & design working with players in US, Israel & Europe. Kratin's mobile experts have been in Mobile space since year 2000 and have designed solutions for some of the top companies around the world including Qualcomm, SanDisk, AT&T, Sprint, Verizon Wireless etc.

- This lab concentrates on designing simple but complete android applications by students. The course of the lab will be directed by Kratin from the viewpoint of the industry.

- Workshop for Non-Teaching Staff: One week Workshop on "MS-Office Tools, Internet and College Website" for Non-Teaching staff was conducted by Department of Computer Application in association with IEEE RCOEM Student branch, from 1st - 6th December 2014. Overall 25 Non-Teaching staff from various departments of the college attended the workshop.

•The practical demonstration and assignments of each of the modules were given to the non-teaching staff in this workshop. All the non-teaching staff expressed their positive views and complete satisfaction about this workshop in valedictory function. The memento was given to the best three non-teaching staff on the basis of their performance in the workshop at the hands of Principal Dr. R. S. Pande and certificate of appreciation was given to each participants.

•Prof. Pranali Dandekar, Prof. Anand Padwalkar, Prof. Shruti Rakhunde, Prof. Deoyani Shirkhedkar, Prof. Deepali Bhende and Prof. Prajakta Pande of the department put their concerted efforts for successful conduction of the workshop. Prof. A. Kher, Dean T & P, conducted a session on day 3 as a guest speaker.



Dr. R. S. Pande, Principal, Prof. R. R. Khandelwal, Dr. P. Voditel and Non-Teaching Staff.

•Stake Holders Meet on 11th October 2014: The Department of Computer Application had organized Stake Holdersmeet on 11thOctober 2014.Mr. Saurabh Bhishikar CEO Praxis Logica Nagpur, Rashmi Katiyar Co-Founder of Kratin Solution Nagpur and Mr. Chand Shekh CEO SmartEdge Nagpurwasinvited for the meet. During interaction, information related to the scheme and syllabus of autonomy, soft skills development, open source lab, management components, open elective etc. were discussed. Industry experts proposed plan for overall development of students.



Industry Delegates, Dr. R. S. Pande Principal and Dr. D. S. Adane HOD in Stake Holders Meet.

•“E-Waste Management”: The Department of Computer Application had organized the event “E-waste Management” on 11th October, 2014 for the students of MCA 1st year. In the event students prepared models, posters, diagrams, etc on the topic “E-Waste Management”. Dr. R. S. Pande, Principal, RCOEM along with Dr. D. S. Adane, Head, Department of Computer Application visited the event and appreciated the skills of the students. The event was co-ordinated by Prof. S. M. Rakhunde, Prof. D. S. Shirkhedkar and Prof. P. Pande.



Dr. R. S. Pande, Principal along with Dr. D. S. Adane HOD, MCA interacting with students

Parent Teacher meeting on 11th October 2014: The Parent Teacher Meet was organized by the Department of Computer Application on 11th October 2014 for MCAI. 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 all the parents and took their feedback and suggestions for overall improvement. After the Meet, the parent's feedback was discussed by the HOD with the faculty members.



Dr. D. S. Adane, HOD interacting with parents



Faculty members interacting with parents

Training & Placement Department

During this quarter nine companies visited the campus and selected students:

Date	Name of Company	Students selected
9/10/2014	Nice software	1 Selected
13/10/2014	Smart Data	15 Selected
28/10/2014	TPG Consulting INDIA Pvt. Ltd	4 Selected
30/10/2014	Xoriant Solution	3 Selected
17/11/2014	EBIX Software	--
21/11/2014	Ligman Lighting	6 Selected
24/11/2014	Blue star	16 Selected
25/11/2014	Raymond	2 Selected
4/12/2014	iNautix Technologies	25 Selected

The Department also hosted MIDC recruitment drive by MKCL on 30th November 2014



BEYOND ACADEMICS

IEEE-RCOEM Student Branch

A lecture under Skill and Knowledge Enhancement Program (SKEP) on "Programming and applications of Robotics" by Mr. Quentin Desouza of Quantum Designs was organized by IEEE Bombay Section on 27th September, 2014 at Mukesh Patel School of Technology Management and Engineering, Mumbai, Maharashtra. Along with the students of IEEE-RCOEM student branch, students from PIET, Nagpur attended the lecture by using Skype at RCOEM-EN Conference Hall. They were accompanied by Mrs. Richa R. Khandelwal, Counselor IEEE-RCOEM Student Branch and faculty members of Electronics Department. Mr. Desouza lectured about and demonstrated very sophisticated and versatile robot, with facilities for programming applications. It had 16 degrees of freedom with 16 servo motors which are easy to control. This was a unique learning experience for the students.

The IEEE RCOEM Student Branch, in association with the MCA (Master of Computer Applications) department of RCOEM, organized a six day training program (Part-Time basis) for the non-teaching staff of the college from 1st to 6th December, 2014. Prof. R. S. Dhiran, Prof. M. Tiwari and Dr. K. N. Agrawal were the motivation behind the program.

The initiative was taken up in order to make the nonteaching staff of the college aware in basic computer technologies so as to ensure the smooth functioning of daily activities in the respective offices.

Day one dealt with the introduction of computer systems and the basics of hardware and software. Days two, three and four acquainted the staff with the tools used in Word Processing, Electronic Spread Sheets and Presentations respectively. On each of these days, the staff worked on an assignment based on the previous day's teachings. On day five, they experimented with popular web browsing software and learnt about the various available search engines and e-mails. On day six, they had to work on a composite assignment which helped them revise the entire contents of the program. It served as a good way to boost their confidence in the technologies they had learnt so far.

The faculty of the MCA department under the guidance of Dr. P. Voditel worked tirelessly towards making the training program a success through interactive teaching and efficient doubt-solving. Prof. Anand Padwalkar, Prof. Anupam Kher, Prof. Deepali Bhende, Prof. Deoyani Shirkhedkar, Prof. Prajakta Pande, Prof. Pranali Dandekar, Prof. Shruti Rakhunde were the trainers for the event.



ALUMNI ASSOCIATION

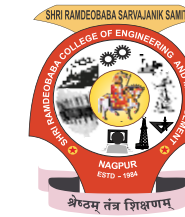


To take a walk down the corridors of nostalgia, alumni Meet, Conclave 2014, and felicitation of 1998 batch was held on 26th December 2014. The occasion was graced by around 60 alumni from 1998 Batch. Dr. R.S.Pande, Principal, RCOEM highlighted the achievements of RCOEM and congratulated all alumni for their achievements. Prof. Anupam Kher, Prof. Incharge of Alumni Association and Dean T & P appreciated their zeal to assemble. On this occasion, Dr. Ashish Deshmukh, MLA from Katol Constituency and Alumni of 1996 Industrial was felicitated by Dr. R.S. Pande. The occasion was graced by Mr. Tushar Marghade, President of Alumni association, Dr. K.N. Agrawal, Prof P .D .Pachpor, Prof R.S. Dhiran, Prof. Mridula Korde, Secretary of Alumni Association and HODs as well as teaching staff of RCOEM from various Departments. The key highlight of the Alumni Meet was interaction with various Departments by the alumni. It was decided that links between the current students and alumni will be strengthened. Their support to current students in the area of training, placement, career counseling and any other help will be sought. It was also decided to raise funds to develop the student's activity centre coming up in the campus and other activities. The Meet ended with promise to meet again and everyone bid emotional farewell to each other. Prof. Anju Gupta, Prof. Anish Goel, Prof. Jigyasa Sanghavi, Prof. Archana Tiwari, Prof. Pritam Bhadade, Prof. Shравan Chandak, Prof. Akanksha Singh and student volunteers worked hard for the success of the event.



TEMPLE NEWS

- The following activities were undertaken by the Temple committee of Shri Ramdeobaba temple in the College premises:
- On 3/10/2014, the day of Dashami, Abhishek by done by Shri Lalit Radheshyam Agrawal with *nayi poshakh* by Shri Mayank
- On 7/10/2014 Kojagiri was celebrated under the guidance of Shri Govindlal Agarwal. About 150 people were present.
- On 13/10/2014 Shri Dr. Aditya Tyagi, Principal Technologist, Austin, America visited the temple.
- On 23/10/2014 *Laxmi Pujan* was performed by Panditji and Diwali was celebrated in the temple.
- On the occasion of Dooj on 25/10/2014 the temple was decorated, puja was conducted and prasad was distributed.
- Every Saturday, *Sunderkhand* is conducted by Shri. Jiwan Singh, Munna Thakur and party.
- On 2nd November 2014 Dashmi Annakut was held where decoration was done by Vrundavan artist, *nayi poshakh* was given by Shri Om Bhaiyya, and *Chappan Bhog* was offered to Ramdeobaba. *Annakut prasad* was distributed to all devotees.
- On 16th November 2014, *Rani Sati Utsav* was celebrated. Flower decoration and *Mangal Path* was done by Panditji. *Yajaman* was Shri Satish Agrawal.
- On 23rd November 2014 Dooj was celebrated where the *nayi Poshakh* was given by Shri Pramod Bobade and Jamma was by Shri Dinesh Sharma.
- On 1st and 31st December 2014 *Dashami* was celebrated with puja, arti and prasad
- 4/12/2014, Shri M L Subramaniam and his team from inetix Technology visited the temple on 4th December 2014.
- On 6th December 2014 *Datta Jayanti* was observed where decoration, puja and Abhishek done by Panditji.
- Shri Ashutosh Potnis, MD, Mevotech Software Ltd visited the temple
- 23rd December 2014 Dooj was celebrated where *nayi Poshakh* and Hawan was by Shri Madanlal Nag Bharti.



RCOEM

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