‘Success Mantras for Budding Engineers’ at GHRCE

Success Mantra-Smart action steps for budding Engineers’ a seminar by Mr. Rajiv Khurana was organized at GHRCE on 10th December 2014. Mr. Rajiv Khurana is an International Management Consultant and Trainer, Newspapers columnist, Author, Executive and career coach. The seminar was organized by the Department of First Year under the aegis of Forum “FAITH” (Forum for ALL In Technical Harmony).

The content of the seminar hinged on the cardinal aspects of becoming a professional as well a better human being. It was replete personal experiences and small anecdotes that helped the students to better understand the attributes that are required to climb up the corporate ladder.

The knowledge inculcated in the session widened the figment of student’s imagination and they could consider their career in the field Engineering seriously.

The seminar concluded with questions and answers round, where students got the chance to voice their queries and concerns to the speaker, so as to get an appropriate solution on the same. It was the “learn with fun” approach that helped students to be interactive throughout the session. After the seminar gave over the student’s delight was manifest and their faces were one big smile.

Dr. Preeti Bajaj, Director GHRCE, Deputy Director Dr. A Y Deshmukh and Dean First year Dr. B P Butey, graced the occasion with their presence.

The Heads of Department, Deans and Faculty members were also present at the seminar. The program was compeered by Ms. Nidhi Gupta and Ms. Shivani Newaskar. The teaching and non-teaching staff of First year Engineering department worked hard for the success of this program.

GUEST LECTURE

Guest lecture/Demonstration from Vi-Microcosystems, Chennai on Communication & Embedded systems new development boards

The guest lecture/Demonstration was organized for Department of Electronics and Electronics and Telecommunication of G. H. Raison College of Engineering, Nagpur on 20th
NOV. 2014 at 10 am in PG Lab of Electronics Engineering Department. The Expert Person was Mr. Sathish and Mr. Madan working as system Engineers to Vi-Microsystems Chennai. The Expert was accompanied by departmental forum in charge Prof. N.P.Wyawahare and Head of Department Dr. S.S.Dorle. Total 27 faculties were present from both departments. The expert gave basic knowledge to change in technology in the field Communication and Embedded systems. In which demonstration is given for new Wireless Connectivity Kit which is mostly useful in development of Mini-Major projects for under graduates & PG students.

Guest Lecture Organized by CSE department for PG II CSE & ESC Students

Guest Lecture on Advances in Algorithms
Name of Expert: Dr. S.R. Sathe
Designation & Affiliation: Professor, VNIT, Nagpur
Topic: “Advances in Algorithms”
Venue: S-03
Date & Time of conduction: 19/12/2014 at 12:30pm
Description of the Event:
- Participants: PG II SEM CSE&ESC
- No. of Participants: 48 students

Guest lecture by Dr. R.M. Patrikar, Professor VNIT Nagpur was organized by Electronics Engineering Department for III Semester UG and II semester PG students. Dr. R.M. Patrikar gave guest lecture on “GROWTH AND SIMULATION OF SELF ASSEMBLY PROCESSES OF NANOCRYSTALS and SIMULATION of NANO CRYSTAL BASED FLASH MEMORY DEVICES”. DRAM, SRAM, Flash memories were explained. Companies like Samsung, Micron are the major players in the memory manufacturing industry. These companies are aiming for small capacitor with high capacity. SDRAM, RDRAM and DDR were also explained.
The cost and density of memories has improved with the emerging technologies. Speed lagging processor performance also has been increased. Memory hierarchies help to narrow the gap. Locality of reference makes it work.

The guest lecture detailed about the model for generating program/erase characteristic for FG flash memory used in day to day life. Contribution of each QBS can be counted to know the device performance. Self-consistent simulation can be applied to work in higher dimensions for the memory design.

**WORKSHOP/SEMINAR**

**Workshop on Big Data and Hadoop at, Computer Science & Engineering Department**


The main objective of the workshop was to get an insight about the upcoming area in computer science and to acknowledge how Big Data and Hadoop would change the upcoming scenario of computer science.

The workshop was conducted in completely well-equipped lab where hands on session were very efficiently conducted. The workshop was very remarkable from technical point of view.

**Android Application Training Program for Engineering Students**

NES has offered mobility program from 15 to 24 Dec, 2014. This program is sharply focused on Core Android apps training. The training period is a total of 10 days on site and is split as Android Overview, Android UI, 2D, Application Components, SQLiteDB, Location Services. Total duration is 60 hrs. There are 110 students in this training.

**One Day Workshop on “Embedded Systems using ZYNQ**
One Day Workshop on “Embedded Systems using ZYNQ” was organized by Electronics Engineering Department of G. H. Raisoni College of Engineering, Nagpur under National Conference on VLSI Design, Embedded Systems & Signal Processing organized under TEQIP-II in collaboration with GHR Labs, India on 4th Dec 2014. The inaugural function was followed by the workshop wherein 30 participants were participated. The workshop was conducted by Corell Technologies, Pune. The resource person Mr. Mayur Deshmukh conducted the workshop in two sessions. Head of Dept. Dr. S.S. Dorle along with the convenor of NCVDES-14 Dr. D.V. Padole inaugurated the event in presence of the workshop coordinator Prof. S. V. Bhalerao and Prof. Raj Goyal. The Workshop proved to be a great success.

The inaugural function was followed by the workshop wherein 26 participants from various institutes participated. The workshop was conducted by Eigen Technologies, New Delhi. The resource person Mr. Rajeshwar Singh along with Ms. Navneet kaur conducted the workshop in four sessions for the whole day. Head of Dept. Dr. S.S. Dorle along with the convenor of NCVDES-14 Dr. D.V. Padole inaugurated the event in presence of the Workshop Coordinator Prof. S. V. Bhalerao and Prof. Raj Goyal. The Workshop proves to be a great success by giving insights of the VLSI design process by using synopsis tool.

One Day Workshop RAISE attended by Electronics faculties at GHRCE Nagpur.

One Day Workshop RAISE “Raisoni Action for Innovative & Smart Education” was attended by Dr. A.Y. Deshmukh, Dr. S.S. Dorle, Dr. D.V. Padole, Dr. S.D. Giripunje, Prof. S.N. Joshi, Prof. B.B. Sayankar, Prof. A.D. Tete faculty members of Department of Electronics Engineering at GHRCE Nagpur. The workshop was conducted by the eminent resource person Mr. Rajiv Khurana.

The main aim of the workshop was to motivate the faculties to cultivate their management skills. All the faculties actively participated in activities during the sessions. All the participants submitted the proposed measures for reinforcement of 7 PILLARS of Raisoni Group of Institutions.

One Day Workshop on “Synopsys Design Flow” was organized by Electronics Engineering Department of G.H.Raisoni College of Engineering, Nagpur under National Conference on VLSI Design, Embedded Systems & Signal Processing organised under TEQIP-II in collaboration with GHR Labs, India on 4th Dec 2014.

One Day Workshop RAISE “Raisoni Action for Innovative & Smart Education” was attended by Dr. A.Y. Deshmukh, Dr. S.S. Dorle, Dr. D.V. Padole, Dr. S.D. Giripunje, Prof. S.N. Joshi, Prof. B.B. Sayankar, Prof. A.D. Tete faculty members of Department of Electronics Engineering at GHRCE Nagpur. The workshop was conducted by the eminent resource person Mr. Rajiv Khurana.

The main aim of the workshop was to motivate the faculties to cultivate their management skills. All the faculties actively participated in activities during the sessions. All the participants submitted the proposed measures for reinforcement of 7 PILLARS of Raisoni Group of Institutions.
Also, the faculty members of the department contributed their views in the development of 5 years prospective plan of the college.

Lab Training Program for Faculty Members of Mechanical Engineering Department

The Department of Mechanical Engineering recently organized a very novel awareness programme for the faculty of Mechanical Engineering Department so as to help improve conducting laboratory practical’s as part of course work. Faculty members associated with different lab courses were given actual demonstrations in planning and conduction of different practical’s and were provided tips towards creating a stimulating environment to students. It was opined that this approach would help in developing in students much greater concern about learning practical aspects of different subjects and to take practical classes more seriously. This would also enable the faculty members to achieve targeted outcomes envisaged for the practical courses in a better manner. The training was organized on 26th November in Energy Conversion lab, Automation in Production lab on 27th November, Refrigeration and Air Conditioning lab on 28th November and Heat Transfer lab and Theory of machines lab on 29th November.

Civil Engineering Department of G. H. Raisoni College of Engineering, Nagpur organized the National Conference on “Emerging Trends in Civil Engineering NCETCE - 2014”

Dignitaries present at the National Conference NCETCE-14 held recently at G. H. Raisoni College of Engineering, Nagpur

The Civil Engineering Department of G. H. Raisoni College of Engineering, Nagpur organized a two days National Conference on “Emerging Trends in Civil Engineering [NCETCE-14]” under TEQIP-II on 12th -13th December 2014. The inaugural function was presided over by Chief Guest Dr. Muzaffar Ahmad, Member, National Disaster Management Authority (NDMA); Dr. P. R. Bajaj, Director GHRCE Nagpur; Dr. K. K. Dhote, Executive Director, RGI, Dr. P. B. Nagarnaik, Deputy Director & Dean Academics; Dr. A. Y. Deshmukh, Deputy Director; Dr. U. S. Wankhede, Dean R&D; Dr. P.Y. Pawade, Head of Civil Department and Dr. B. V. Khode Convener, NCETCE-14.

Dr. Muzaffar Ahmad shared his experience in the area of disaster management and highlighted public health initiatives for disaster management in our country. He also threw light on protective measures to be taken during earthquakes, landslides, cyclone and flood.

The delegates were present in large numbers. Key note speech delivered by Dr. Muzaffar Ahmad & Expert lectures were delivered by Dr. P. S. Pajgade and Dr. Avinash Shrikhande.
In NCETCE-14 total 65 scientific & technical research papers were acknowledged from delegates across the country, after review 57 papers were finalized for the presentation in four different sessions.

The National Conference was a great motivation and highly knowledge gaining for the participants. It was a great success and another feather in the cap for the Raisoni Group of Institutions. Valedictory session was addressed by Dr. A. Y. Deshmukh, Deputy Director, GHRCE & Dr. Avinash Shrikhande, Professor, KITS, Ramtek.

The conference concludes with vote of thanks by Prof. K. R. Dabhekar, Co-convener, NCETCE-14.

NCIRTCSET-2014 Organized by Computer Science & Engineering Department

It is delightful to announce that the Department of Computer Science & Engineering, G H Raisoni College of Engg., Nagpur had organized a National Conference on ‘Innovative Research Trends in Computer Science Engineering & Technology’ (NCIRTCSET-2014) in association with GHR Labs & Research Centre and Computer Society of India (CSI) on 8-9 December, 2014.

The main objective of this conference was to bring together engineers, academicians, researchers and industry practitioners, who can share their views and discuss the elucidations for current trends & challenges in the arena of Computer Science & Engineering.

Conference had received 200+ papers from all over India (including various states) and all institutes under RGI and even a few from abroad.

Out of these conference had accepted: 150 papers, from core as well as new upcoming areas of computer science, engineering and technology.

The papers were divided under 8 technical tracks such as digital image processing, high performance computing, Soft computing, Networking, Cloud Computing, Web Technologies etc.

The conference included plenary session by Dr. S.K. Gupta (Professor, CSE Department, IIT Delhi) on “Intension Mining” and a key-note session on “Live As AGILE, RIDE on cloud” by Mr. Sachin Burange, Sr. Engineer, Thermo Fisher Scientific, California, workshop on Big Data and Hadoop in association with Wegilant SINE, IIT Bombay & parallel technical sessions.

Overall the conference was a great success.

Department of Electronics Engg.,

GHRCE organizes National Conference NCVDES-14.


The conference aims to bring together researchers and practitioners to discuss the latest advancements and future directions in the areas of VLSI design, Embedded systems & Signal processing. This is an area that requires continuous research and development. The conference had good
discussion on the quality research findings of various research scholars working in the allied micro area of the theme of conference. This is an high level technical gathering includes budding researchers, established experts and the experience industrial persons to exchange their ideas and research findings. This is also an excellent platform to the students those attended, to take motivation and research problems for their further work.

Total 108 Papers where received from RGI and outside, out of which total 92 papers where quality papers and were accepted. There were 8 technical sessions for the presentations, one keynote session by Dr.R.M.Pathrikar Prof. VNIT Nagpur followed by two workshops. “Synopsys Design Flow.” & “Embedded System On Zynq.” total student participated where 26 & 30 respectively

The conference was inaugurated by the hands of Dr. A. Mukhopadhay, Scientist ‘G’, Department of Science and Technology., Govt. of India.He pointed out the need of research and VLSI upbringing Dr. Preeti Bajaj, Director of GHRCE focuses on need of national conferences for research findings and patents during her recorded speech. Deputy Director Dr.P.B.Nagarnaik, Dean R&D Dr.U.S.Wankhede, Head of Electronics Engineering Dr.S.S.Dorle, convener of National Conference Dr. D.V.Padole and Dr. S.D. Giripunje also present for the inaugural ceremony of the event. Function concluded with vote of thanks by Prof. K.N. Dekate.

National Conference of First Year Engg. “NCARTS-15” at GHRCE, Nagpur

The interdisciplinary National Conference on Advanced Research Trends in Sciences (NCARTS-15) was organized by the First Year Engineering Department of GHRCE on 2nd & 3rd January 2015. The conference was organized under TEQIP-II in association with GHR Labs & Research Center. The conference was segregated in three disciplines NCARTS-Physics, NCARTS-Chemistry & NCARTS-Mathematics. The conference was inaugurated by Chief Guest, Dr. Arnab Bhattacharya, Scientist, TIFR, Mumbai. Dr. Bhattacharya in his keynote address talked about “N-lightenment: The bright world of Nitride Semiconductors”. He dwelled upon the origin of blue, red & white LED’s. He further discussed about the research work going on in TIFR related to Nitride Semiconductors. He also stressed on the fact that inquisitive reasoning has to be inculcated amongst the students and researchers. He congratulated all delegates present and declared the conference open by releasing the souvenir of NCARTS-15.

Dr. Bajaj, Director GHRCE, conceded that the present conference was aimed at promoting and giving a platform for all faculties to update their knowledge in their research fields. Dr.U.S.Wankhede, Dean R&D informed the house about the various TEQIP & R&D facilities available in the Institute.

Dr. B P Butey, Convener –NCARTS Physics, Dr.R.R.Shrivastava, Convener –NCARTS Chemistry & Dr. O.K.Chaudhari , Convener- NCARTS Mathematics presented the preamble. Prof.V.N.Bhusari proposed the vote of thanks. Prof.Gurpreet Randhawa conducted the proceedings. After the inauguration ceremony, two plenary talks were organized. First plenary talk was by Dr.Pawan Labhasetwar, Scientist, NEERI , Nagpur on “Water Resource Management “ followed by talk by Dr.Swagatam Das, Associate Professor ,Indian Statical Institute, Kolkata on “Swarm Intelligence”. On the second day of the conference, three parallel technical sessions of Physics, Chemistry & Mathematics were conducted which were chaired by Dr. C P Joshi, Dr. K. Bansiwal & Dr. P. Bahatkar respectively. The technical sessions consisted of both oral and poster presentations. The delegates praised and gave positive feedbacks about the Conference. The entire Department of First Year Engg. worked hard for the success of the conference.
Department of Mechanical Engineering, G.H. Raisoni college of Engineering, Nagpur has organized 3rd National Conference on “Advances in Mechanical Engineering” (NCAME -14) on 17th and 18th December 2014. The conference was organized under RGI-TRPCS-2014 under TEQIP-II in association with GHR Labs and Research centre, The institute of Indian Foundrymen and Spacewood Ltd. Nagpur.

The conference received 76 research papers. 68 papers were selected for presentation after peer review by concern reviewer. The conference was well decorated with 05 Technical sessions, and keynote session by Dr. M. D. Atrey. Professor IIT Bombay.

Ph D Pre-submission Seminar conducted in Electronics Engineering Department at GHRCE

PhD Pre-Submission Seminar of Swati Godbole on the topic “Approaches for implementation adaptive noise canceller in Digital filter for Audio related application” & Prerna Srivastava on the topic “Various Strategies for design of an energy efficient hybrid sink repositioning techniques for data gathering in wireless sensor network” under the expert guidance of Dr. S.B.Pokle was organized on dated 24th Sept 2014 in Electronics Engineering Department at GHRCE. Dr. R.K. Patney professor, IIT Delhi was present as Expert during the seminar.

National Conference on Recent Trends in Information Technology

Department of Information Technology, G.H. Raisoni college of Engineering, Nagpur has organized 3rd National Conference on “Recent Trends In Information Technology” on date 22nd and 23rd Dec 2014. The conference was organized under National level Technical Research Paper competition for students-2014 (RGI-TRPCS-2014) under TEQIP-II in association with GHR Labs and Research centre.

The inaugural function was presided over by in Swami Vivekananda Hall (F-21) at 10.30 am by chief guest Mr. Asim Nilose, Lead SCM & MFG CoE (CPG Practice) at Tata Consultancy Services, in presence of Director GHRCE Dr. P.R.Bajaj, deputy director Dr. P.B. Nagarnaik, deputy director Dr. A.Y.Deshmukh, dean R &D Dr. U.S. Wankhede,
HOD-IT Prof. N. A. Chavhan, Convener NCRTIT – 14 Prof. S. A. Chhabria & all staff members of IT department.

Dr. Asim Nilose shared his experience in the area of ‘3D Printing’ and highlighted the importance of 3D printing in education and adoption of this innovative technology. It provides teachers with dimensional visual aids that they can use in their classroom particularly in illustrating a hard to grasp concept.

This provided opportunity to the delegates to get familiarized with the recent trends in areas such as the recent IT technologies & software development strategies that are needed in today's IT industry.

The conference received good response from research community and received total 64 research paper. Out of total receive paper 63 papers were selected for presentation after peer review by concern reviewer. In all 35 papers were presented in the technical sessions. The conference was well decorated with 2 Technical sessions, One Key note session by Mr. Asim Nilose, Lead SCM & MFG CoE (CPG Practice) at Tata Consultancy Services, and Two Days workshops on “Android Applications “conducted by By Learn Flow, Nagpur.

**Installation of First Year Forum ‘FAITH’**

Forum I/C Prof.V.N.Bhusari, Dean First Year Dr.B.P.Butey, Chief Guest Dr. Suresh Chari and Deputy Director Dr.A.Y.Deshmukh on the dias

The installation ceremony of the First Year Forum ‘Faith 2014-15’ was organized by GH Raisoni College of Engineering on 13th December 2014. The Chief Guest of the programme was Dr. Suresh Chari, Director, Medical and Research Institute, Nagpur, who is also an eminent speaker and a corporate trainer.

The Forum is installed with the vision that while there should be focus on excellence in academics there should be equal attention on emotional, cultural and social development of students. The events and programs under the Forum ‘FAITH’ include activities that nurture team work, out-of-the-box thinking, spirit of camaraderie, working under pressure, etc.

During the Investiture Ceremony, the students Mr. Vivek Kedia and Ms. Shradha Kunjarkar were installed as President and Vice-President. Mr. Mayank Shashtri, Mr. Praful Prasad, Mr. Vikrant Rai, Miss Uma Mishra and Miss Shivani Newaskar became the Technical secretaries while Mr. Aditya Ghulghule, Mr. Arpit Mujumdar, Mr. Kaustubh Gawande and Miss Nidhi Gupta were conferred the badges of the Cultural Secretaries.

Dr. Suresh Chari motivated the students immensely through his talk. He elaborated on how perception defines our attitude and advised the students to look for their habits which distance them from their goals. Dr. A.Y. Deshmukh, Deputy Director and Dean, Planning & Quality Assurance urged the students to have the courage in them to face the world. Dr. B.P. Butey, Dean, First Year started her address with a teachers’ prayer. She exhorted the students to participate in the forum activities. Forum In-charge Prof. V.N. Bhusari in his address delivered the report on activites conducted under the aegis of Forum in the previous academic year 2013-14 and about his roadmap for the coming year.

The program was conducted by Ms. Shubhada Mahure and Ms. Shivani Kale. Mr. Vivek Kedia delivered the vote of thanks. The teaching and non-teaching staff of First Year played an important role in the success of the program.

**Workshop on Android Application Development Organized by Department of Information Technology**
G .H. Raisoni College of Engineering organized a Workshop on “Android Application Development” by Department of Information Technology, in association with Learn Flow Pvt. Ltd. on 23rd and 24th December. The guest speaker was Mr. Animesh Jaipurkar, Learn Flow Pvt. Ltd. This workshop aimed to enable participants to build an Android Application on their own using Android’s API and vast range of features.

Two days workshop was conducted in four different sessions. Various topics covered in these sessions were introduction to android, introduction to building blocks of android, UI interfaces, and development of a Mobile phone applications. On the first day, they discussed about introduction to Mobile Application Development, role of Android in mobile industry, introduction to Android SDK and its setup, building the Application Framework. Second day included discussions on designing User Interfaces, activities, services, intents, broadcast receivers, resources, menus, content providers, dialogs, notifications, working with data, multimedia, location; publishing the developed application into play store.

At the end of workshop, students were able to build an Android Application on their own using Android’s API and vast range of features.

Around 35 students participated in this workshop. Faculty members, Prof P. R. Maidamwar and Prof. C. A. Dhule along with student coordinators left no stone unturned to make this event a grant success.

“TOWER MAKING ACTIVITY” ORGANIZED AT GHRCE

A Tower Making Activity is organized under the aegis of first year forum FAITH on 17th October 2014 for First Semester B.E students. Total 60 Groups (355 students) participated in this activity. One Group (Seven Students) was placed at Winner Position and One Group (Seven Students) was placed at Runner up Position.

Winner & Runner up were felicitated with certificate of merit by the hands of Director of GHRCE Dr. P. R. Bajaj. Dean first year Dr. B. P. Butey & Coordinator of activity Prof. Prafull J. Wadhai & Prof. Shrikant S. Solanke appreciated the efforts of students & congratulated them. Forum in-charge Prof. V. N. Bhusari & faculty member Prof. D. V. Padole and faculty members of first year department proved to be instrumental for the success of the activity.
External Autonomy Audit In Mechanical Engineering Department

External audit of academic processes at regular intervals is essential to monitor working of the Institute under autonomy. With this viewpoint, academic audits were conducted during 13th & 14th November, 2014. The activities under Mechanical Engineering were audited by Dr. Krishna Prasad, Professor and Head of the Department of Mechanical Engineering of National Institute of Technology, Surathkal, Karnataka. He perused through various documents and records of achievements maintained by the department. He took great interest in the implementation of outcome based education approach and lauded the efforts taken by the Department in maintaining high standards of teaching learning and assessment processes. He expressed appreciation for the high quality of project work done by UG and PG students, the internship training at 7th semester level, different skill enhancement activities, general proficiency courses, introduction of self study courses and the electives offered besides the cohesive environment prevalent in the department.

Ph.D. pre-submission seminar by Mr. Arvind K Mahalle Research Scholar, Mechanical Engineering

Ph.D. pre-submission seminar by Mr. Arvind K. Mahalle, research scholar, Department of Mechanical Engineering was held on 15th November 2014. The topic of his presentation was “Optimization of Wheel Dimension and Speed Ratio Between Crank and Wheel for Cycle Rickshaw”. He worked under the supervision of Dr. G.K. Awari, Principal, Tulsiram Gaikwad Patil college of
Engineering, Nagpur. Dr. K. P. Karunakaran, Professor of Mechanical Engineering at IIT, Bombay was the subject expert.

Dr. P. R. Bajaj, Director, GHRCE, Dr. U.S. Wankhede, Dean, R & D, Dr. P. V. Walke, Head of Mechanical Engineering Department were present prominently. The presentation was attended in large number by departmental teaching faculties, students of third sem. M.Tech. (HPE) and M.Tech. (CAD/CAM) & research scholars.

**Academic Audit in Mechanical Engineering Department**

The external academic audit of academic processes pertaining to undergraduate and postgraduate programmes was conducted by the Mechanical Engineering Department during 19th & 20th November 2014. Dr. S. L. Bapat, Professor of Mechanical Engineering at IIT, Bombay was the expert.

He meticulously studied the documents presented to him by the HOD and the faculty and interacted with them. A good number of suggestions were made by him to bring in further improvements in the quality of teaching and processes of assessment of students. Dr. A. Y. Deshmukh, Dy. Director, and Dr. P. V. walke, HOD Mechanical Engineering, also participated in the deliberations.

**Interactive Session for Students of Mechanical Engineering Department**

A special interactive session was organized during the visit of Dr. S. L. Bapat, Professor of Mechanical Engineering at IIT, Bombay to the Mechanical Engineering Department on 20th November, 2014 for conducting academic audit. He counseled students of UG and PG programmes offered by the department as regards their roles and responsibilities as students and the steps they need to follow to improve their academic performance. The students expressed happiness over receiving valuable inputs.

**Ug Project Progress Seminar Held in Presence of College Expert Committee & Industry Expert**

Project progress seminar for UG VIII semester students had been organized on 13th December in D-24 conference room. Industry expert Mr. Ajay Garg, Dean III cell Prof. K. D.Joshi, HOD of IT department Prof.N. A. Chavhan and all staff members were present during the event. They guided the students and gave suggestions for their project.

**Coding Contest 2014 Organized By Department of Information Technology GHRCE, Nagpur**
Department of Information Technology, G.H. Raisoni college of Engineering, Nagpur has organized “Coding Contest” on date 13th Dec 2014 under BITS Forum 2014.

It consisted of three rounds namely: Aptitude round: The students which clear this round get promoted to another round. For this round there were 19 participants. Programming round: students have to program for some tricky questions and randomly they have to work with group. For this round, 9 groups i.e. 18 students were eligible from previous round. Efficient coders: this round included their programming skill & presence of mind student that how efficiently they can execute a code. For these 5 groups 10 students are eligible from previous round.

Shubham darlinge(3rd yr CSE ) & Shruti Takalkede (3rd yr ETRX ) were the winners. Animekh mishra & Ankit Agrawal were runner-up (2nd yr IT).Vaibhav Khandelwar & Shubham Harinkhede got consolations prize(1st yr CSE).

Around 22 students participated in this contest. Faculty members, Prof J. J. Shah .along with student coordinators left no stone unturned to make this event a grant success.

---

**OTHER ACTIVITIES**

**Mechanical Engineering students**

**Celebrate Christmas at Deaf and Dumb School, Shankar Nagar, Nagpur organized under CSR activity**

First semester, M.Tech HPE student of Mechanical Engineering Department celebrated Christmas in Deaf & Dumb School, Shankar Nagar, Nagpur under CSR activity on 25/12/2014. Various gifts, note books, pen, etc. are distributed by students. And also for spreading awareness amongst the students about computers, solar systems, & other science related topics they played various games with students of Deaf & Dumb School. The Head Master of the school appreciated the efforts taken by CSR group members.

---

**FACULTY CHAPTER**

**Two Day Workshop at IIT Bombay**

Two days residential workshop was attended by PG students & Ph.D. scholars of Mechanical Engineering Department on 22nd & 23rd December,
2014. This TEQIP Workshop was sponsored by the DTE, Mumbai and State Project Facilitation Unit (SPFU) held at Indian Institute of Technology, Bombay; this workshop used a format of presentations from leading experts on important topics followed by group discussions to explore in greater depth the issues and needs for the next generation of high-technology inverters for thermal, manufacturing and other design applications by research.

From Mechanical Engineering Department, GHRCE, Nagpur, Mr. N. P. Awate, Mr. K. S. Rambahd, Mr. V. P. Kalbande, Mr. V. W. Khond (Ph. D. Scholars) Mr. Bablu Yadav. Mr. Pranay Phadke, Mr. Pritam Kudale, Mr. Ganesh Shinde (M.Tech. Students) were attended the workshop.

Prof. Prafull J. Wadhai, Presented Research Paper in “HYDRO 2014 INTERNATIONAL”

Prof. Prafull J. Wadhai, Associate Professor, Department of Civil Engineering, G. H. Raisoni College of Engineering, Nagpur, has presented technical research paper in “HYDRO 2014 INTERNATIONAL” - International Conference on Hydraulics, Water Resources, Coastal & Environmental Engineering at Maulana Azad National Institute of Technology [MANIT], Bhopal during 18 – 20 December 2014. The topic of his research paper was “Experimental Investigations for Estimation of the Height of Training Wall of Convergent Stepped Spillways”. After peer review the paper is published in International Journal of Engineering Research [IJER] ISSN: 2319-6890)(online), 2347-5013(print).

Prof. P. N. Borkar from Computer Science & Engineering Department attended Short term Training program (STTP) during 01 to 05th Dec 2014 at SVNIT, Surat

Short term Training program (STTP) on Advanced Engineering Optimization through Intelligent Techniques (AEOTIT) was organized by SVNIT Surat from 01 to 05th December 2014. Prof. P. N. Borkar from Computer Science & Engineering Dept. participated in the workshop. The workshop was focused on Multi-objective optimization, Multi-Attribute Decision Making and interdisciplinary case studies on it. Different experienced Professors from SVNIT conducted the session on different areas.

Prof. P. N. Borkar delivering Seminar @ GHRCE, Nagpur

Dr. R. Venkata Rao gives a talk on MADM methods. Dr. Mukesh Zaveri gives a talk on Neural Network, Dr. R. Venkata Rao was the Coordinator of the workshop. Dr. D. P. Vakharia was the co-coordinator of the workshop.
Based on the undertaken training, seminar was delivered by Prof. P. N. Borkar in DBMS lab of CSE Department to share the knowledge and experience based on the training attended on 13th December 2014. Around 15 faculty members of CSE, ETC, IT department were present for the seminar.

Technical Paper Presentation by Prof. N. P. Wyawahare in IEEE International Conference at Mysore, Karnataka

Prof. N.P.Wyawahare Assistant Professor from the department of Electronics Engineering presented Technical Paper in IEEE International Conference at Mysore, Karnataka on 27-29 Nov 2014. He presented his PhD research work under caption of “Designing of Challenges to utilize white-Space for Configurable femtocell base on slotted TDM” under a supervision of Dr. S.L.Haridas.

Prof. P. H. Rangaree from Electronics Department attended Short term Training program (STTP) at School of Electrical Sciences IIT Bhubaneswar

Short term Training program (STTP) on MICROWAVE, PHOTONICS, DEVICES & WIRELESS COMMUNICATION (MPDWC – 2014) was organized by IIT Bhubaneshwar from 05th to 07th December 2014.

Prof. P.H.Rangaree from Electronics Dept. participated in the workshop. The workshop was focused on different areas like microwave, photonics, devices & wireless communication. Different experienced Professors from IIT conducted the session on different areas. Dr.Ganapati Panda give a talk on Application of Soft and Evolutionary computing to Engineering. Dr.Debolina Ghosh was the convener of the workshop. Dr.P.R.Sahu & Dr.P.K.Sahu were the coordinators of the workshop. Based on the undertaken training, seminar was delivered by Prof.P.H.Rangaree in E-27 PG lab of Electronics Department to share the knowledge and experience based on the training attended on 16th December 2014. Around 30 faculty members and Pg students of Electronics engineering department were present for the seminar.

Prof. Ravikumar Tiwari From Electronics Department Attended Inup Familiarization Workshop On Nanofabrication Technologies at IIT-Bombay

INUP FAMILIARIZATION WORKSHOP ON NANOFABRICATION TECHNOLOGIES, was organized by INUP IIT-Bombay from 28 to 30 November 2014. Prof.Ravikumar Tiwari (Electronics Dept.) attended the workshop. The main objective of this workshop was to inform the participant about the research activities at INUP IIT-
Bombay and how faculty members, students from academia can use facilities available at IIT-Bombay for their research in the area of nanofabrication.

Prof. J. M. Vasi from Dept. of Electrical Engineering and National Centre for Photovoltaic Research & Education, IIT-Bombay gave talk on “Nanostructure Photovoltaic Devices”. Prof. Anil Kottantharayil who is current chief-Investigator for INUP Phase-II gave talk on the topic “Graphene for Electrode and Memory Applications”.

**Paper Title:** A Decision Support System for Predicting Student Performance  
**Name of Journal:** International Journal of Innovative Research in Computer and Communication Engineering, Vol. 2, Issue 12, December 2014 ISSN (Online): 2320-9801 ISSN (Print): 2320-9798  
**Author:** Prof Lalit Dole, Asst. Prof. Dept of CSE, GHRCE, Nagpur.

A special counseling session for the faculty members of Mechanical Engineering Department was conducted on 22nd November 2014 by Ms. Mayuri Tidke, Psychological counselor, GHRCE, Nagpur with a view to understand the problems and hassles they experience in discharging the job responsibilities in an effective manner. The objective of the interaction meeting was to bring about systems improvement and create an environment conducive to higher productivity. During the interaction, she also gave tips aimed at improving interpersonal relations.

**INDUSTRY VISITS**

Students of B.E. Sixth semester /Section A (Electronics) visited BSNL, Regional Telecom Training Centre at Nagpur

Under Graduate Students of B.E. Sixth semester Electronics Engineering has visited to BSNL, Regional Telecom Training Centre at Nagpur, on date 11th December 2014. The main aim is to provide students a glimpse of the actual work situation and to understand the industry telecomm environment, to study the different telecommunication standard, to get a first hand information about the current trend Communication system, mobile/GSM,Wimax BTs system, broadband & IPv4 & IPv6 networking equipment and ISO quality procedure adopted in practice and to gain some work experience.

Mr. Pillewar, BSNL Engineer, has conducted training with necessary information to students and
the visit has successfully done. Visit is organized by Department of Electronics Engineering, GHRCE, Nagpur. Prof. S.V. Bhalerao accompany the students in the visit.

Department of Mechanical Engineering organized one day tour to Bor Wildlife Sanctuary

Department of Mechanical Engineering has organized one day tour for faculty at Bor wildlife sanctuary on 27/12/2014. Near Hingi in Wardha District, The sanctuary covers an area of 121.1 km² (46.8 sq mi) which includes the drainage basin of the Bor Dam.

**Publication Report November December 2014**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Application / Author</th>
<th>Title of Paper</th>
<th>Name of Conference/Journal</th>
<th>Dept.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Nikhil P. Wyawahare</td>
<td>Designing Challenges to utilize white-space for configurable femtocell base on slotted TDM</td>
<td>International Conference on Contemporary Computing and Informatics (IC31) 2014, Mysore, 27-29 November 2014 IEEE Bangalore Section</td>
<td>Electronics</td>
</tr>
<tr>
<td>1</td>
<td>Prof. Prafull J. Wadhai Dr. N.V. Deshpande A.D. Ghare</td>
<td>Experimental Investigations for Estimation of the Height of Training Wall of Convergent Stepped Spillway</td>
<td>International Conference on Hydraulics, Water Resources, Coastal &amp; Environmental Engineering, In December 18-20, 2014 organized by Civil Engineering Department, Maulana Azad National Institute of Technology Bhopal, M.P.</td>
<td>Civil</td>
</tr>
</tbody>
</table>

Compiled and Edited By Dr. L. G. Malik Prof. P. N. Borkar