International Conference on Electronic Systems, Signal Processing, and Computing Technologies (ICESC-2014), was organized in association with University of Massachusetts Lowell, USA; University of the District of Columbia, Washington DC, USA and American Society for Engineering Education (ASEE). It was technically sponsored by IEEE Bombay Section. The conference was an opportunity for the
participants to interact with researchers, industry experts, and renowned scientists for gaining new direction and ideas in research and applications in electronics engineering.

The inaugural function was held on 9th January 2014. Dr. Vasudeo K. Aatre, former scientific adviser to Defense Minister, was the Chief Guest of the function. Dr. (Ms.) Barbara Masi, Director, Education Innovation and Assessment Initiatives, Arts, Sciences and Engineering from University of Rochester, USA, was the Guest of Honor. Shri Banwarilal Purohit presided over the function in the prominent presence of Shri Chandrakantbhai Thakkar (Vice-Chairman), Shri Satyanarayan Nuwal (Vice-Chairman), Shri Govindlal Agarwal (General Secretary), Dr. V. S. Deshpande (Principal), Dr. Rajesh S. Pande (Vice-Principal and General Chair), Dr. M. B. Chandak (General Chair), and Dr. (Mrs.) A. A. Khurshid (Conference Chair).
Invited guests were Dr. Kanti Prasad, UMASS Lowell, USA; Dr. Devdas Shetty, and Dr. Paul Cotae from UDC, Washington, DC, USA; Prof. John Rowe and Mr. Rajdeep Choudhury from London School of Training; Dr. Shungwei Lui, University of Cumbria, UK; and Mrs. Padmini Parameshwaran, Northumbria University, UK.

The highlights of the inaugural were the release of the proceedings of the conference. Additionally, Shri Govindlal Agarwal exchanged MOUs with the representatives of two UK universities, i.e., Dr. Shungwei Lui of University of Cumbria and Mrs. Padmini Parameshwaran of Northumbria University. The inauguration was followed by keynote address by Dr. Vasudeo K. Aatre on “Electronics in the Battle Field”.
The day of the inaugural and the subsequent two days of the conference saw eminent academicians deliver plenary talks on current issues related to the theme of the conference.

These included:

- Dr. Devdas Shetty from UDC, Washington DC, USA, spoke on “Emerging Trends in Smart Manufacturing and Intelligent Sensing”

- Dr. Paul Cotae from UDC, Washington DC, USA spoke on “Non Data Aided Time Phase Recovery Methods for Underwater Communications”

- Dr. Kanti Prasad from UMASS, Lowell, USA spoke on “Global Societal Impact of Engineering Education and Industrial Revolution” Prof. OPN Calla from International Centre for Radio Science, Rajasthan spoke on “Applications of Microwaves” Dr. Anil Tiwari from IIT, Jodhpur spoke on “Lossless Image and Video Compression Methods and Challenges”.

- Dr. Debabrata Nayak from Huawei Telecommunication India Private Ltd. spoke on “Cloud Computing and its Security A Millennium Approach”.
Second day of the conference saw panel discussions on various themes related to electronics and computer science. These panels were headed by Dr. Kanti Prasad with participation from Dr. Devdas Shetty, Dr. Paul Cotae, Prof. John Rowe, Mr. Rajdeep Choudhury, Dr. Shungwei Lui, Dr. N. K. Choudhary (Director of VNIT- Nagpur), and Prof. Q. H. Jeevaji. Dr. (Ms.) Barbara Masi was present online. During the conference various industries like Agilent Technologies, Tektronix, and Cyronics Instruments Pvt. Ltd. exhibited their latest product for test and measurement in electronics engineering. This was value addition for the participants.

The conference concluded with a cultural event by the students of RCOEM to provide the guests a glimpse of the diverse and rich culture of India. This was followed by a banquet dinner.
Short Course in Mechatronics from 1st to 8th January 2014

The course was conducted by Dr. Devdas Shetty and it covered basics of Mechatronics, orientation in Mechatronics product design covering various aspects of control system design, modeling and simulation concepts utilizing LabVIEW and VisSim software tools. Other academicians who conducted the sessions in the workshop were:

- Dr. P. R. Apte and Dr. P. S. Gandhi, Professors from Indian Institute of Technology, Mumbai
- Dr. R. M. Patrikar, Professor, Visvesvaraya National Institute of Technology, Nagpur
- Dr. J. P. Modak, Dean R&D, Priyadarshini College of Engineering, Nagpur

Open interactive session with RCOEM Management Students

It was conducted by Mr. Rajdeep Choudhury, CMgr MCMI - Head of Client Services, London School of Training, London and Mr. John Rowe, MRICS, Cert TEFL - Head of Training, London School of Training, London.

Tutorial on Natural Language Processing (NLP) inaugurated

The Tutorial was inaugurated on 5th January 2014 by the Chief Guest of the function Dr. Pushpak Bhattacharya. Dr. Bhattacharya, a Professor with IIT-Powai, has an expertise in Natural Language Processing.

Shri Govindlal Agarwal presided over the function in the prominent presence of Dr. V.S. Deshpande, Dr. R.S. Pande, Dr. M.B. Chandak, Dr.(Mrs.)A. A. Khurshid, and Dr. A.J. Agrawal (Tutorial Chair).

Dr. A.J. Agrawal enumerated the Tutorial programme, while Dr. M.B. Chandak provided a peep into the sessions and programmes that were to be conducted in the conference. Dr. V.S. Deshpande motivated the participants to undertake research projects to contribute constructively towards the society.
In his presidential address Shri Govindlal Agarwal, also stressed on the need for quality research to benefit the society.

A session on ‘Machine Translation’ by Dr. Bhattacharya followed the inaugural. This covered the basics of NLP and introduced to the participants various tools and techniques for its implementation. He also spoke about “Sata-anuvadak-Translator” developed by IIT - Powai. In this interactive session many real life problems and research issues were discussed.

**Workshop on Smart and Micro Grid**

The workshop was organized on 7th and 8th January 2014 and was conducted by Prof. Dr. Xiongwei Liu, Chair of Sustainable Engineering, University of Cumbria, UK. Department of Electrical Engineering and Electrical Engineering Students’ Association (EESA) coordinated the workshop to empower and enrich the knowledge of the students in the upcoming field of Smart and Micro Grid.

The topics deliberated in the workshop were smart grid architecture, role of micro and smart grid, grid integration of renewable energy sources and intelligent energy management systems. The workshop was a value addition in terms of introducing the participants to this technology that will utilize and harness renewable sources that were utilized in the past. A Live Demo Zone with different software applications pre-loaded on different Hybrid Clients were shown in the Department by “Vardhaman Technologies Pvt Ltd”.

Prof. N. M. Deshkar, Prof. G. N. Goyal, Prof. (Mrs.) S. H. Deshmukh, Prof. (Mrs.) P.V. Kapoor and Dr. M. M. Renge coordinated the workshop under the guidance of Prof. V. T. Barhate, HOD of Electrical Engineering. It had the prominent presence of Prof. V. A. Huchche, Prof. M. B. Gaikwad, Prof. S. C. Rangari, Prof. P. A. Salodkar, and Prof. S. V. Umredkar.