Inside this issue

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Faculty</td>
<td>2</td>
</tr>
<tr>
<td>Research Activities</td>
<td>3</td>
</tr>
<tr>
<td>Journal paper publications</td>
<td>4</td>
</tr>
<tr>
<td>Journal paper publications</td>
<td>5</td>
</tr>
<tr>
<td>Workshops/Events</td>
<td>6</td>
</tr>
<tr>
<td>Conducted</td>
<td>7</td>
</tr>
<tr>
<td>Faculty Contributions</td>
<td>8</td>
</tr>
<tr>
<td>Workshops/Seminars - attended by faculty</td>
<td>8</td>
</tr>
<tr>
<td>FORCE/IEEE Activities</td>
<td>9</td>
</tr>
<tr>
<td>Guests visited</td>
<td>10</td>
</tr>
<tr>
<td>Toppers &amp; Placements</td>
<td>11</td>
</tr>
<tr>
<td>Photo gallery</td>
<td>12</td>
</tr>
<tr>
<td>Technical Article</td>
<td>13</td>
</tr>
<tr>
<td>Biography</td>
<td>14</td>
</tr>
<tr>
<td>About Reva University</td>
<td>15</td>
</tr>
</tbody>
</table>

Guest Editor

I am extremely delighted to note that the department of ECE is releasing its eighth newsletter “e-UDANTAKA”. The department in the last few years has published a large number of quality technical papers in reputed journals of very high Impact Factor. The department has also taken up lot of R&D projects with substantial funding from various industries, research organizations and Govt. agencies. The faculty of the department have guided the students in carrying out a large number of industry oriented projects which were very well appreciated by Industries & Research organizations. The entire department under the guidance of Dr. S. S. Manvi is working very hard for the benefit of student community in particular and the Society, industry at large. At a time when Reva is launching its own state University, the eighth volume of e-newsletter will definitely bring the glory of the research culture to this new university and also take the REVA ITM to greater heights of learning. I wish the department very best for their future endeavors.

Dr. N. Ranapratap Reddy
Principal, REVA ITM

Chief Editor

"Always, there has been a talk on industry ready students when it comes to placement. We in the department are providing all facilities and platforms for enhancing communication skills, industry oriented skill set, aptitude and attitude. This newsletter high lights the activities taken up in the department for aforesaid purpose. We are stepping into a new year 2014. I predict the existence of great opportunities for our students in industries and academia and wish them all the best."

Dr. Sunilkumar S. Manvi
Dean R&D, HOD, ECE

Department of Electronics and Communication Engineering wishes all a Happy and Prosperous new year - 2014
New faculty & areas of specialization

- Prof. Shilpa Mehta joined as Senior Associate Professor. Her areas of interest are Fuzzy logic, Artificial Neural Networks & Intelligent Systems.

New staff

- Mr. Ashok K. joined as senior Instructor

List of Registered Ph.D Candidates 2013

1. Mr. D. S. Albur
2. Mr. S. N. Prasad
3. Mrs. Usha Rani G.
4. Mr. Raja Jitendra Nayaka
5. Mr. Nirmal Kumar S. Benni
6. Mr. Shrikanth S. Tangade
7. Mr. Vidyasagar
8. Mr. A. Raganaa
9. Mr. Amrut Anil Rao Purohit
10. Mr. Roshan Zameer Ahmed

Student best paper awards

- Mr. Adesh Received IETE - IRSI Young Scientist Award for the year 2013 during International Radar Symposium at Bangalore. Award was presented by Dr. Surendra Pal.
### Research activities & Research Proposals - 2013

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Faculty</th>
<th>Name of Grant Agency</th>
<th>Title of the Project /Proposal</th>
<th>Duration</th>
<th>Cost of the project</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. R. C. Biradar &amp; Mrs. Geeta D.</td>
<td>VTU BGM</td>
<td>Cognitive Agent Based Resource Estimation and QoS Routing Management in Mobile Ad Hoc Networks</td>
<td>3 years</td>
<td>Rs.9.20 Lakhs</td>
<td>On going</td>
</tr>
<tr>
<td>2</td>
<td>Dr. S. S. Manvi &amp; Mr. P. V. Joshi</td>
<td>KFIST Level 1 VGST</td>
<td>Up gradation of PG labs and Creation of research facilities in VLSI, ES and Communications</td>
<td>3 years</td>
<td>Rs. 20.00 Lakhs</td>
<td>On going</td>
</tr>
<tr>
<td>3</td>
<td>Dr. S. S. Manvi</td>
<td>VTU BGM</td>
<td>Cognitive Agent based Information Fusion in Wireless Sensor Networks</td>
<td>3 Years</td>
<td>Rs. 14.50 Lakhs</td>
<td>On going</td>
</tr>
<tr>
<td>4</td>
<td>Dr. T. V. Rama Murthy</td>
<td>Dept. of Space. (GOI)</td>
<td>Reliability &amp; Fault tolerance</td>
<td>3 Days workshop</td>
<td>Rs. 20.00 thousand</td>
<td>Completed</td>
</tr>
</tbody>
</table>

### Journal Paper Publications

11. Riyaz Ahmed “Reinforcement Learning Based on Computational Cognitive Neuroscience in Neuromorphic VLSI Chips” IJARCSSE, ISSN 2277 128X.

Conference Paper Publications


21. S. N. Prasad, Pallavi V. “Comparison of Scheduling Algorithm for Parallel Switching In Connection Oriented Network”


Workshops/Events Conducted

1. Conduced two day workshop on Cadence EDA Tool” from 7th to 08th Aug 2013. Resource person was Mr.Ajit from Cadence Bangalore.
2. Conduced one day awareness workshop on “Cloud Computing” sponsored by IEEE CS REP on 24th Aug 2013. Resource person was Dr. Pujar from PESIT Bangalore.
3. Conduced two day workshop on “Xilinx FPGA Design Flow” from 28th to 29th Aug 2013. Resource person was Mr. Prakash, Senior field engineer from, C&G-career Bangalore.
5. Conduced one day workshop on “Documentation Using LATEX” on 21st Sept 2013. Resource persons were Dr. S.S.Manvi, Dr. R.C.Biradar, Dr. R.V.Kulkarni, Dr. B.Talwar, & Prof Manjula R. B. from REVA I.T.M Bangalore.
6. Conduced one day technical talk on “Modern DSP Architecture” on 26th Sept 2013. Resource person was Dr. C. P. Ravikumar, Technical Director, University relation from Texas Instruments India, Bangalore.
7. Conduced three day workshop on “Artificial Intelligence Embedded Intelligence and Robotics” on 17th to 19th Oct 2013. Resource person was Prof. Rolf Pfeifer from University of Zurich.
8. Conduced one day seminar on “Soft Skills & Research Methodology” on 26th Oct 2013. Mr. Chandrashekar from Accord S/W System Bangalore, Mr. Srinivas G. from SGI Engg. Pvt. Ltd. Bangalore, Dr. D. P. Sengupta from IISc. Bangalore and Dr. R.V. Kulkarni, Dr. S.S.Manvi & Dr. Gurumurthy K. S. from REVA I.T.M Bangalore.
12. Conduced one day workshop on “MSP-430” on 15th Nov 2013. Resource person was Mr. Satish Kumar and team from Cranes software Bangalore.
13. Conduced one day technical talk on “Ultra Low Power Embedded System” on 15th Nov 2013. Resource person was Mr. Pradeep, Technical lead from Cranes software Bangalore.
14. Conduced one day technical talk on “Large VLSI Power Grid Analysis Methodology” on 14th Dec 2013. Resource person was Dr. Gaurav Trivedi from IIT Gawahati.
## Faculty Contributions

1. Dr. S. S. Manvi received VGST KFIST grant of Rs. 20.00 lakhs for PG lab Creation, 2013-2015.
2. Dr. S. S. Manvi received “Vidya Ratan Award - 2013” by The Economic for Health and Educational Growth, New Delhi.
3. Dr S. S. Manvi gave a talk in FDP program on “FDP - Wireless Technologies” on 19\textsuperscript{th} July 2013.
4. Dr. S. S. Manvi gave a talk in FDP program on “Wireless sensor network” at MVJCE on 20\textsuperscript{th} Aug 2013.
5. Text book titled "Wireless and Mobile Networks” by Dr. Sunilkumar S. Manvi and Mahabaleshwar S. Kakkasageri, published by Wiley" is adopted by Electrical Engineering Department, Universidade de Brasilia.
6. Dr. R. V. Kulkarni gave a talk in FDP program on “Research” at BEC, Bagalkot on 24\textsuperscript{th} Aug 2013.
7. Dr. Rama Murthy T. V. was invited by the Recruitment & Assessment board of Council of Scientific and Industrial Research (Govt. of India) to be an External Expert in the area of Engineering Science & Technology.
8. Dr. Rama Murthy T. V. was invited by the Department of instrumentation technology, MSRIT to give an invited talk on “Fault monitoring and avoidance system design “on 30\textsuperscript{th} Oct 2103 during their 3-day Workshop on Advanced Control Systems - Theory and Practice.
10. Dr. Rama Murthy T. V. Invited as a subject expert by the Management of MVJCE for recruitment of faculty members on 18\textsuperscript{th} Oct, 2013.
11. Dr. Rama Murthy T. V. has approved nomination as External Expert member for the Divisional Scientific Committee of Aerospace Electronics and Systems division for a three year term by Research Council of CSIR-NAL
12. Dr. K. S. Gurumurthy delivered an invited talk on “Future Electronics” during VCA SAN – 13 International Conference Held at BNM IT, Bangalore on 18\textsuperscript{th} July 2013 & Chaired one of the sessions.
13. Dr. K. S. Gurumurthy chaired BRV VARDHAN IEEE Paper presentation contest held at RITM on 25\textsuperscript{th} Oct 2013.
14. Dr. K. S. Gurumurthy gave a presentation on “Modelling & Simulation” during Research Methodology Workshop Held at RITM on 26\textsuperscript{th} Oct 2013.
15. Mr. Prashanth V Joshi awarded VLSI Society Fellowship 2014.
Workshops & Seminars attended by faculty

1. Prof. K. M. Sudarshan attended 1 day Conference conducted by Corel Technologies at Goldfinch Hotel, Bangalore on 03.07.2013.
2. Prof. Shrikant S. Tangade attended a 3 day International Conference on “Computing Communication & Networking Technologies” conducted by Vivekanand College of Engineering for Women, Tiruchengode, Tamilnadu from 04.07.13 to 06.07.13 sponsored by IEEE Computer Society (USA), IEEE ED Society (India).
3. Prof. Shrikant S. Tangade and Prof. Nirmalkumar S. Benni attended a 2 day workshop on “Research methodologies & Technical writing skills” at IISc, Bangalore from 05.07.13 to 06.07.13 organized by IEEE Student Branch.
4. Prof. Prashant V. Joshi visited UTL Technologies, Bangalore for consultation from 01.07.13 to 02.07.13.
5. Prof. Vidyasagar K. N. attended a 13 days FDP programme on “Real world DSP” at CIT, Gubbi, Tumkur from 15.07.13 to 27.07.13.
7. Prof. Anitha kumari R D attended a 3 day Workshop on “Research methodologies & Latex” at Ghausia College of Engineering, Ramanagara from 27.07.13 to 29.07.13.
8. Prof. Shrikant S. Tangade attended a 5 day Workshop on “Train the Teachers” at PESIT, Bangalore from 22.07.13 to 26.07.13 organized by IEEE Computer Society.
9. Prof. Usha Rani G. attended a 6 day Workshop on “Advances in Signal processing & pattern recognition” from 29.07.13 to 03.08.13 2013.
10. Prof. Prashant V. Joshi attended a 2 day FDP programme on “ARM procession” at MSRIT, Bangalore from 10.09.13 to 11.09.13.
12. Prof. Dr. R. Venkata Siva Reddy attended a 3 day Workshop organized by PURDUE University, USA at Hyderabad from 29.10.13 to 31.10.13. This workshop was organized to start EPICS as elective course in University and Engineering colleges. The workshop was organized by IEEE Region 10.
14. Dr. K. S. Gurumurthy, Dr. R Venkata Siva Reddy, Dr. Bharathi S. H. and Prof. A Raganna attended a 1 day workshop on MEMS at IISc. Bangalore on 09.11.13.
15. Prof. Dr. K S Gurumurthy attended 6th Bangalore India NANO 2013 from 4.12.13 to 06.12.13.
16. Prof. Prameela Kumari N. attended a 3 day talk on Quantum computation at CNSE from 05.12.13 to 07.12.13.
17. Prof. Shrikant S. Tangade and Prof. Nirmalkumar S. Benni attended a 2 day Workshop on “Network Simulation using NS-3” at NITK, Suratkal, Mangalore from 07.12.13 to 08.12.13.
**Force Activities**

1. Inaugurated force activities by Principal Dr. R. P. Reddy & Nominated FORCE office Bearers on 24<sup>th</sup> Aug. 2013.
2. Conducted a mega Blood Donation camp on 14<sup>th</sup> September 2013. A record breaking 486 units of blood was donated on this day.
3. The underwater robotics workshop was conducted on 24<sup>th</sup> and 25<sup>th</sup> Oct. 2013. It was organised in association with Sak Robotix Lab Pvt. Ltd. Hyderabad.

**IEEE Activities**

1. Conducted membership drive programme in REVA campus on 24<sup>th</sup> August 2013 to motivate students to become IEEE member. Mr. Manjunath Iyer, from Exillent Technologies was the chief guest.
2. Inauguration of IEEE WIE affinity group on September 23<sup>rd</sup> 2013. Mrs. Umareddy, Proprietor, M/s. Hitech Magnetics & Electronics Pvt Ltd had inaugurated the affinity group.
4. Organized two day workshop on PHP and MySQL programming by M/s. Migids software Bangalore on 19<sup>th</sup> and 20<sup>th</sup> November 2013.
6. Organized technical talk on “Least square methods and approaches” by Mr. Chandrashekar, Senior Engineer ACCORD software systems India private limited on 26<sup>th</sup> October 2013
7. Organized inspirational talk “J.C. Bose the life time achiever” by Dr. D. P. Sen Gupta, Emeritus Professor from Indian Institute of Science Bangalore on 26<sup>th</sup> October 2013.
8. REVA Institute of Technology and Management (ITM) IEEE Computer Society (CS) student branch chapter and IEEE Special Interest Group on Humanitarian Technology (SIGHT) has been inaugurated by Chief guest, Dr. David Alan Grier, president of the IEEE CS, and Ms. Angela R. Burgess, Executive director of IEEE CS. Dr. David Alan delivered a talk on “Socioization in Computing” and stressed the need for using computing technology for better living conditions. On 16th December 2013,

**Guests Visited**

1. Mr. D. Uma Maheshwar, Executive Section Manager AAT, GE Aviation, Bangalore.
2. Dr. Ananda C. M. Senior Principal Scientist, Aerospace Electronics division, NAL, Bangalore.
3. Dr. Chitra Thyagarajan, Consultant (Safety and Reliability). Mahindra Satyam, Bangalore.
4. Dr. Girija Gopalrathnam, Head, FMCD, NAL, Bangalore.
5. Mr. Jeppu Yogananda, Senior Systems Specialist, Moog Technology Centre, Bangalore.
6. Mr. N.N. Murthy, Associate Director, Moog Technology Centre, Bangalore.
7. Dr. J. R. Raol, Professor (Emeritus), Dept. of ECE, M. S. Ramaiah Institute of Technology, Bangalore.
8. Mr. Sadananda Upadhya, Scientist E, DARE(DRDO), Bangalore.
10. Mr. Leonard Topno, Migids software, Bangalore.
11. Mr. Nishanth Verma, Migids software, Bangalore.
12. Mr. Jaise, Technical Engineer, Cadence, Bangalore.
13. Mr. Prakash, Senior Field Engineer, CG-Coreel, Bangalore.
14. Mr. Yatish, Snr. Analog Design Engineer, Bangalore.
15. Mr. Manjunath Iyer, EXILLENT Technologies, Bangalore.
16. Dr. D. P. Sen Gupta, Emeritus Professor from Indian Institute of Science Bangalore.
17. Prof. K. Subramanian, ACIIL, Bangalore.
### Toppers UG

<table>
<thead>
<tr>
<th>IV Semester</th>
<th>VI Semester</th>
<th>VIII Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Veeresh P Dammur (82.50%)</td>
<td>Prathiba Srinivas (80.80%)</td>
<td>Keerthi M. J. (83.46%)</td>
</tr>
<tr>
<td>Chetan N. C. (80.40%)</td>
<td>Rashmi B. (78.80%)</td>
<td>Nikita S. Chilakawad (83.33%)</td>
</tr>
<tr>
<td></td>
<td>Namrata J (75.11%)</td>
<td></td>
</tr>
</tbody>
</table>

### Toppers PG

<table>
<thead>
<tr>
<th>DCN II Semester</th>
<th>SP II Semester</th>
<th>VLSI PT – II Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Roopa (82.12%)</td>
<td>Raghu K. (84.37%)</td>
<td>Ninganagouda B. (71.60%)</td>
</tr>
<tr>
<td>Nayana Hegde (81.12%)</td>
<td>Manohar T. N. (82.25%)</td>
<td>Renuka Sri Harsha C. H</td>
</tr>
<tr>
<td>Sunil M. K. (78.25%)</td>
<td>Chaithanya V. (82.00%)</td>
<td></td>
</tr>
</tbody>
</table>

### Placements

<table>
<thead>
<tr>
<th>Company</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aricent</td>
<td>- 03</td>
</tr>
<tr>
<td>Amazon</td>
<td>- 06</td>
</tr>
<tr>
<td>NTT Data</td>
<td>- 09</td>
</tr>
<tr>
<td>TCS</td>
<td>- 03</td>
</tr>
<tr>
<td>Capgemini</td>
<td>- 10</td>
</tr>
</tbody>
</table>

### Department of ECE Congratulates Mr. Kuttappa K. K. who won the II Place in 4X100 meter Relay in VTU 16th Inter collegiate Athletic Meet 2013. Held at JNNCE, Shimoga, from 16th to 19th November 2013.

---

**A man who works regularly in a systematic fashion never feels overworked or tired. He knows his limits and is able to do in fair time, all that he undertakes. It is not hard work that kills a man, but irregularity or lack of system.**

---

M. K. Gandhi
Photo Gallery
2 Day National Symposium on “Reliability & Fault Tolerance” 26th & 27th July 2013

Dignitaries on the dais Dr. T. V. Rama Murthy, Mr. Uma Maheshwar, Dr. R. P. Reddy and Dr. R. V. Kulkarni

Felicitation to Mr. Uma Maheshwar of GE Aviation from Dr. R. P. Reddy.

Technical sessions by Dr. Chitra Thyagarajan, Consultant, Mahindra Satyam, Bangalore.

Technical sessions by Mr. Jeppu Yogananda of MOOG Technology Centre, Bangalore.

Participants of the Workshop
Welcome speech by Dr. Venksta Siva

Technological Talk by Mr. Leonard Topno of Migids software LLP

1 Day awareness workshop on “Cloud Computing” 24th August 2013

Welcome speech by Dr. Pujar of PESIT, Bangalore

Technical Demo by DR. Pujar of PESIT, Bangalore

Mega “Blood Donation Camp” on 14th September 2013

Dr. R.P. Reddy with Blood Donors & Red Cross & Lions International Officials

Inauguration of IEEE Computer Society (CS) student branch chapter and IEEE Special Interest Group on Humanitarian Technology (SIGHT). On the dais Dr. David Alan Grier, president of the IEEE CS, and Ms. Angela R. Burgess, Executive director of IEEE CS, Dr. R.P Reddy & Dr. Ramesh N.
Reproduction of the Baghdad Battery that was discovered in 1936 in Iraq. Believed to be in the possession of the Baghdad Museum.

These strange artifacts were originally discovered in 1936 during an archaeological dig at village of Khuyut Rabou'a which is located approximately 20 miles south east of the city centre of modern Baghdad and close to the Arch of Ctesiphon. Described as 13 – 14cm in height they contained a copper cylinder and within this was suspended an iron rod.

In December 1939, shortly after the start of World War II, a German archaeologist by the name of Wilhelm Konig came across the item in the basement of the National Museum of Iraq. He immediately recognised their similarity to galvanic batteries and published a paper that suggested that these ancient electrical devices may have been used for electroplating precious gold onto silver. It is around this time that Adolf Hitler began a serious, if eccentric; programme to study the technology of the ancients. Relatively modern films such as “Raiders of the Lost Ark” are based on this obscure reality. There is no easy explanation for the Baghdad Battery and naturally this has created controversy, debate and disagreement in the scientific community. Reconstructions of this device have proved that it could generate an electrical current of between 0.4 and 1.9 volts.

Source Link:
http://scienceworld.wolfram.com/biography/Tesla.html
http://www.aquiziam.com/ancient-technology.html
Biography - Tesla, Nikola (1856-1943)

Eccentric Serbian-American engineer who made many contributions to the invention of electromagnetic devices, Tesla was Serb who was born in the Croatian village of Smiljan in the Lika region, which at the time was part of Austrian monarchy. His father was an Orthodox Church priest.

Tesla had a keen memory and ability to visualize and construct complicated objects in his mind's eye. While working on his first job with the American Telephone Company in Budapest in 1880, Tesla suffered a nervous breakdown in which he claimed to suffer from a Edgar Allen Poe-like hypersensitivity of perception (Hunt and Draper 1991, p. 32). After he recovered, he was walking with a friend when the idea for the polyphase system of generating alternating current suddenly occurred to him. As of yet, he did not possess the means to actually build the necessary equipment.

Tesla was hired by the French branch of the Edison Company and assigned the job of repairing an electrical plant in Strassburg. Strangely enough, once in America, he went to work for Edison, on DC motors. Later, he worked at Westinghouse's Pittsburgh labs. He told Westinghouse about his idea for the polyphase system, which would allow alternating current [AC] electricity to be transmitted over large distances. Westinghouse saw the advantages of Tesla's system, and agreed to buy the patent rights for one million dollars plus a $1 per horsepower royalty. Westinghouse built power plants and transmission lines, proving once and for all that AC power was an economical and workable system. Westinghouse used the polyphase system to harness the power of Niagra Falls in a hydroelectric plant.

Using the money he received from Westinghouse, Tesla founded the Tesla Electric Company in New York. Here, he invested time and money creating exotic new electric devices, including the Tesla coil. Later the lab was lost in 1985. Tesla moved to Colorado Springs, where he built a new laboratory and performed more experiments using a monstrous Tesla coil. According to O'Neill once again, Tesla used this to generate man-made lightning. He then moved back to New York and began the construction of a lab with a huge tower in Wardencllyffe, Long Island.
Reva University

REVA University has been established under the REVA University Act, 2012 of the Government of Karnataka with a mandate to impart higher education of global standards.

Infrastructure & facilities at a glance

LEED Certified, 35 acres of lush-green, eco-friendly campus.
» One of the largest Residential campuses in Bangalore.
» Separate hostel for boys and girls.
» Guest house, faculty and staff quarters.
» 24x7 un-interrupted power supply.
» Well-furnished, adequately stacked Central Library and a Browsing Center
» Wi-Fi enabled campus.
» Modernized lecture halls with multimedia facilities.
» Well-equipped laboratories
» Fully air-conditioned seminar halls and auditorium.
» Outstanding indoor and outdoor sporting facilities.
» » 24 hours Health Care Centre.
» Higgin Bothams Bookshop.
» » 5 Hygienic food courts & a Cafeteria.
» Transport facilities connecting all parts of the city.

Achievements and Collaborations

REVA ITM is accredited by NBA in a record time of 7 years of its inception
» Adjudged as Best engineering institute and the fastest growing engineering and technology institute (by Bharatiya Vidyabhavan- 2011, Big Brands- 2011 & yahoo education survey 2012)
» Outstanding track record in academic results and placements
» Conducted many international and national conferences
» Research centre for various engineering disciplines recognized by VTU and University of Mysore
» Best Principal Award by Bharatiya Vidyabhavan for disciplined administration
» Best Awards to Faculty for their outstanding research contribution
» TCS, Wipro and Capgemiini accredited institute for campus recruitment
» MoUs with IBM, EMC 2, MindTree Pvt Ltd for student projects and internships
» MoUs with Oracle India Ltd, Texas Instruments, Nokia University relations and Synopsys University
» MoUs with Oklahoma State University & Western Connecticut University- USA
» e-outreach program conducted at REVA by IIT Bombay (Govt of India, MHRD Project)

Program Highlights

Choice Based Credit System - Continues Assessment and Grading Pattern
» Provision to move under fast track and acquire additional Proficiency Certification and Proficiency Diploma by securing higher credits
» Industry-oriented program structure
» Highly qualified, dedicated and experienced faculty team
» Expert resource persons from reputed institutes and industry
» Structured theoretical and application based learning stream
» Well established labs and research facilities
» Seminars, workshops, conferences and special lectures by industry experts and other sectors
» Insightful industry visits to provide valuable exposure
» Professional body membership in ISTE, IEEE and CSI
» Student Clubs and Forums to promote creative skills
» Industry integrated internships.  » Structured training and career programs.
» On campus Corporate-Certification programs.  » Merit scholarships
Benefits of studying at REVA

» Gain education with sound theoretical knowledge imbibed with practical experience in working environment
» Inculcate with additional skills required to compete in global market
» Geared to develop your personality as innovative thinker and successful entrepreneur
» Acquire additional Proficiency Certification and Proficiency Diploma by earning higher credits through fast track learning under CBCS – CAGP of education.

Programs Offered - Faculty of Engineering and Technology

Graduate Programs - FULL TIME

B Tech in Civil Engineering
B Tech in Computer Science and Engineering
B Tech in Electronics and Communication Engineering
B Tech in Mechanical Engineering

Post Graduate Programs FULL - TIME

M Tech in Advanced Embedded Systems
M Tech in Advanced Geotechnical Engineering
M Tech in Advanced Information Technology
M Tech in Advanced Power Electronics
M Tech in Advanced Software Engineering & Project Management
M Tech in Computer Aided Structural Engineering
M Tech in Data Engineering and Cloud Computing
M Tech in Distributed and Mobile Computing
M Tech in Information Security
M Tech in Machine Design and Dynamics
M Tech in Wireless Communication and Networking

Post Graduate Programs PART - TIME

M Tech in Advanced Embedded Systems
M Tech in Advanced Information Technology
M Tech in Advanced Power Electronics
M Tech in Computer Aided Structural Engineering
M Tech in Distributed and Mobile Computing

Research Programs

Ph D in all engineering disciplines

Programs Offered - Faculty of Commerce and Management

Graduate Programs - FULL TIME

BBM - Bachelor of Business Management (Industry Integrated)
B Com - Bachelor of Commerce (Industry Integrated)

Post Graduate Programs PART – TIME

MBA - Master of Business Administration
M Com - Master of Commerce

Research Programs

Ph D in Commerce and Management disciplines
Programs Offered - Faculty of Arts and Humanities

Post Graduate Programs FULL – TIME

Master of Arts in English

Research Programs

Ph D in various Arts and Humanities disciplines

Programs Offered - Faculty of Science and Technology

Post Graduate Programs FULL – TIME

M Sc in Chemistry (Four semesters)
M Sc in Applied Mathematics (Four semesters)

Research Programs

Ph D in various Science and Technology disciplines

For more information Contact:

Dr. N. Rana Pratap Reddy
Mob: +91-9591 5102 11
Email: dean.et@reva.edu.in

Dr. N. Ramesh
Mob: +91-9880 5147 18
Email: dir.planning@reva.edu.in

Dr. M. Dhanamjaya
Mob: +91-9945 1854 45
Email: dean.sa@reva.edu.in

Visit us at: www.reva.edu.in
REVA Institute of Technology & Management is hosting “2014 IEEE International Conference on Advances in Electronics, Computers and Communications (ICAECC)” to be held 10-Oct-2014 to 11-Oct-2014

The IEEE (ICAECC)” is proposed to be held at Reva Institute of Technology and Management, Bangalore, India. The conference presents an open forum for scientists, researchers and engineers to exchange the latest innovations and research advancements in the areas of next-generation electronics, computers, communication architectures, protocols and algorithms, content systems, applications and services. The conference will include plenary sessions from eminent researchers and tutorials on the state of the art in related areas. Contributions describing original research, surveys and applications are invited. Topics of interest include, but are not limited to, the following areas:

<table>
<thead>
<tr>
<th><strong>Computer Engineering</strong></th>
<th><strong>Communication Engineering</strong></th>
<th><strong>Electronics Engineering</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cluster, Cloud, and Grid Computing</td>
<td>Cognitive Radio</td>
<td>Advances in digital, analog, and embedded system designs</td>
</tr>
<tr>
<td>Heterogeneous Computing</td>
<td>Delay tolerance networks</td>
<td>Signal/Image processing</td>
</tr>
<tr>
<td>Content distribution networks</td>
<td>Communication networks</td>
<td>Biomedical instrumentation</td>
</tr>
<tr>
<td>Distributed multimedia systems</td>
<td>Home LAN, body and personal area networks</td>
<td>Pattern recognition</td>
</tr>
<tr>
<td>Multimedia, web and gaming applications</td>
<td>Internet of Things</td>
<td>VLSI/Embedded Systems</td>
</tr>
<tr>
<td>Storage Area Networks</td>
<td>LTE/LTE-A</td>
<td>Nano Technology and MEMS</td>
</tr>
<tr>
<td>Performance modelling and evaluation of various aspects of computing systems</td>
<td>Media and session handoffs and roaming</td>
<td>Nanoelectronics/Devices</td>
</tr>
<tr>
<td>Power efficient processor, cache and memory micro-architecture techniques</td>
<td>Medium Access Control</td>
<td>Photonic/Opto-Electronic Structures/Devices</td>
</tr>
<tr>
<td>Interconnect and network interface architectures</td>
<td>Mobile adhoc networks</td>
<td>Nanophotonics</td>
</tr>
<tr>
<td>Architectures for emerging technology and applications</td>
<td>Modulation and coding</td>
<td>Digital Communication</td>
</tr>
<tr>
<td>High-Performance Computing, Parallel and Distributed Algorithms/Systems</td>
<td>Multicasting and application-level routing</td>
<td>Telecommunication Technologies</td>
</tr>
<tr>
<td>Energy-efficient design, ultralow-power, cross-layer power management, smart grids, data centers, green technologies.</td>
<td>Multimedia networks, streaming and delivery, QoS provisioning and scheduling</td>
<td>Microprocessor based Technologies</td>
</tr>
<tr>
<td>Artificial Intelligence</td>
<td>Network architectures and middleware</td>
<td>Networking</td>
</tr>
<tr>
<td></td>
<td>Network coding, fault-tolerance, reliability, QoS, I/O, optimization</td>
<td>Power Electronics Controllers for Power Systems</td>
</tr>
<tr>
<td></td>
<td>Network pricing and billing</td>
<td>Switched Mode Power Electronics</td>
</tr>
<tr>
<td></td>
<td>Network security, monitoring</td>
<td>DSP Architecture</td>
</tr>
</tbody>
</table>
ICAECC 2014: Important dates

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission deadline</td>
<td>- March 31, 2014</td>
</tr>
<tr>
<td>Notification of acceptance of papers</td>
<td>- July 31, 2014</td>
</tr>
<tr>
<td>Camera ready papers</td>
<td>- August 31, 2014</td>
</tr>
<tr>
<td>Author registration</td>
<td>- August 31, 2014</td>
</tr>
<tr>
<td>Participant early registration</td>
<td>- Before Sept. 15, 2014</td>
</tr>
<tr>
<td>Conference dates</td>
<td>- October 10-11, 2014</td>
</tr>
</tbody>
</table>

For more details visit us at:
www.revainstitution.org/ICAECC
& IEEE website

Record No: 32069