REVA
INSIGHT

REVA UNIVERSITY
Bengaluru, India

A QUARTERLY NEWS BULLETIN OF
REVA UNIVERSITY

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News Letter

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Vision

"REVA University aspires to become an innovative University by developing excellent human resources with leadership qualities, ethical and moral values, research culture and innovative skills through higher education of global standards".

Mission

- To create excellent infrastructure facilities and state-of-the-art laboratories and incubation centers;
- To provide student-centric learning environment through innovative pedagogy and education reforms;
- To encourage research and entrepreneurship through collaborations and extension activities;
- To promote industry-institute partnerships and share knowledge for innovation and development;
- To organize society development programs for knowledge enhancement in thrust areas; and
- To enhance the leadership qualities among the youths and enrich personality traits and promote patriotism and moral values

Alumni Cell Inauguration

Alumni Cell was inaugurated by Honorable Chancellor, Dr. P. Shyama Raju on 11th June 2016, 10.30 AM in REVA University in the presence of alumni and all faculty members.

Honorable Chancellor addressed the gathering, highlighting and motivating the importance of bonding with the alma mater and urged the alumni to be part of all the activities of the university.

Nominations of Office Bearers for Alumni Association we took place on the same day and after the election process, the Office Bearers have been selected and REVA Alumni Association was formed.

REVA Alumni Association is dedicated to bring together the alumni community on a common platform to build an appropriate channel of personal and professional support to all through 'self-help' within the community.

Honorable Chancellor inaugurating Alumni Cell

First Annual Convocation of REVA University

REVA University celebrated its first Annual Convocation on 4th August 2016 with all its grandeur. The maiden batch with 170 students graduated as

brand ambassadors of REVA. 9 outstanding students were conferred with Gold Medals.

The function was graced by His Excellency, the Governor of Karnataka, Shri Vajubhai Valaji; Honorable Minister for Higher Education, Shri Basavraj Raya Reddy; and Padma Bhushan Dr. Vijay Bhatkar.

Honourable Chancellor of REVA University, Dr. P. Shyama Raju, extended a warm welcome to the gathering. Padma Bhushan Dr. Vijay Bhatkar delivered the Convocation address stating that REVA has set a trend as an Academia for a lasting memory to thesociety. Appreciating the contribution made by the R&D, he stated that REVA would be a world class university. Shri Basavraj RayaReddy harped on the importance of education, especially in the present society and spelt out the initiatives taken by the government to promote private portals of higher learning like Deemed Universities to cater to this demand.

His Excellency, the Governor of Karnataka, referred to REVA as a temple of learning and discipline. He stressed upon the importance of having an aim in life and compared to the mythological characters like Arjuna and Dhronacharya in accomplishing one's vision in life. He motivated the youth to be inspired by Swami Vivekananda in order to achieve goals. Further he insisted that the youth should be highly responsible, sensible, amiable and achievable in order to bring progress to the University as well as the nation. Hecongratulated the promising graduates of REVA for their hard work and advised them to use the REVA platform as a spring board to launch their dreams into the global market.

The mega event concluded with dreams and aspirations of the REVAITES to scale higher degrees of success and make their alma mater proud.

Deccan Herald Fashion Show –Ethnic Wear

The students of REVA University participated in the Ethnic Wear Fashion Show competition conducted by Deccan Herald Metro life. Two groups of students were led by Mr. Kapil and Mr. Suraj of third year and fourth year engineering respectively. The competition was held on 27th August 2016 at CMR College of Law, OMBR Layout. The show put up by the students was well appreciated by the audience. Amidst the tight competition where about 39 teams participated, the students' performance was well appreciated.

ETHNIC SPLENDOUR Subham, Kapil, Dannana, Feizal, Suraj, Saloni, Nisha, Aishwarya, Seema and Shravanthi from REVA Institute of Technology and Management.

Ganesha Chathurthi Celebrations

Following the tradition and culture of REVA, 9th glorious year's Ganesha Festival was observed on 5th of September 2016. The festival was celebrated with full splendor from 4th of September to 7th of September. Lord Ganesha being the epitome of knowledge and considered the vignaharaka was worshipped by all, the staff, faculty members and students alike. Ganesha was immersed on 7th of Wednesday and the procession was joined by about 6,000 students and the organization was well appreciated by all. The staff and students of REVA University contributed generously towards the conduction of festival and the festivities concluded with the mixed feelings where all bid a teary adieu to the most loved lord Ganesha.

Talent Show Competition

Times of India, in partnership with Oppo Mobiles, conducted a talent show competition for the students of REVA University on 16th of September 2016. The winners were selected for the next round of competition which would be between the students thus selected from across other colleges in Bangalore. There was a very enthusiastic competition where about 50 plus students participated in the competition. Six students comprising of two winners and four runners up were selected.

Shubha Vidaaya 2016

REVA University celebrated 'Shubhavidaaya' – Graduation Day on the 11th June 2016 in Rukmini Knowledge Park. As a customary celebration the University organized this auspicious adieu to all the outgoing under graduate and post graduate students. This day marks the significance of every student's journey to self discovery as they unravel the trials and challenges of life same time paying tribute to their alma mater.

Two eminent personalities graced the occasion to be a part of the function Justice Shri Shivaraj V. Patil, Honorable Judge and former Justice of the Supreme Court of India and Dr. G. Vishwanathan, Founder and Chancellor, VIT University, Vellore.

Principal Dr. S.S. Manvi welcomed the guests of honour, staff members, parents media and all the students elegantly garbed in robes and tassels.

Shubha Vidaaya is observed as a Red Letter day or a day for awards and rewards. Awards were categorized under various genres recognizing the students' achievements in various fields.

Two students Mr. Rathan M and Mr. P. Swaroop were selected from Under graduate and Post graduate studies as 'Best outgoing students' after a series of acid tests. The chairman Dr. P. Shyama Raju awarded gold rings as tokens of appreciation to the well deserving students to boost their self-esteem and confidence. This was followed by "Chairman's Appreciation Award" wherein students were recognized for their contribution to various fields like Sports, Academics, and Research and Cultural activities. 'Smt. Rukmini Memorial Award' was given in recognition to excellence in sports "Dr. P. Shyama Raju Appreciation Award was bestowed upon for 'Best outgoing Civil Engineering student'. One special award namely: "Dr. Vishwanatha Memorial Award for the Best Outgoing Structural Engineering student" was conferred to Ms.

ValluruViharika Reddy.

All the rank holders in VTU examinations were honoured with awards and certificates for bench marking Reva University.

The key note address was delivered by Dr. G Vishwanathan, he, in his speech gave impetus to college education and also spoke about how economic progress of a nation depends on students as future leaders. He made a mention of four Asian countries china, Japan, South Korea and India where in South Korea leads in human development index. He mentioned that the rise in per capita income brings in progress of a nation. He motivated the students to be the demographic dividends of the nation. He was of the opinion that India is the largest democratic country and should become democratic in its true sense. Dr. G Vishwanath declared that from the coming year VIT would award gold medals to the "Best Out going" students of REVA University.

The chief guest for the day Mr. Justice Shri Shivaraj V. Patil, Honorable Judge and former Justice of the Supreme Court of India spoke about the relevance of administering the oath and adopting it in life. He said 'Youngistans' can make better Hindustan for which youngsters should have competence, character commitment and compassion. He motivated students to discover the potential, define their goals, work with dedication and deliver work. He reminded the students that engineers are nation builders and add value to life with virtues.

This was concluded by the presidential address Dr. Shyama Raju the chancellor of REVA University who said it is a milestone in every student's life and a symbolic event to be cherished for a life time. He appreciated wholeheartedly the accomplishments of the students. The students were motivated to contribute to the progress of the college even after they leave the thresholds of the university.

Freedom Fortnight AZADI 70 – Yaad Karo Kurbani "Stimulus-based Creative Writing Competition"

Freedom is often desired by many and used to distraction but nothing supersedes patriotic freedom. The warmth, the surge of expressions, the heightened fervor that we experience while singing the National Anthem - Jana Gana Mana - to the Indians and the entire world can rarely be matched by any other feeling. As a part of the "AZADI - Yaad Karo Kurbani: Freedom Fortnight" celebrations, REVA University organized competitions to urge the youth to be more participative and driven towards the idea of freedom. One of them was conducted by the School of Arts and Humanities. The "Stimulus-based Creative Writing Competition" on the theme was conducted in English, Hindi and Kannada. The theme of "Freedom Fortnight" was perfectly reflected in the stimulus picture that was displayed to the students to be used as a source of inspiration. The image was that of soldiers hoisting the tri-colour atop a high mountain signifying the hurdles that one comes across in the path to attain freedom.

323 students from across the University participated in the event. The winners of the event are:

- English 1st Prize: Govindh Ramamoorthy, VII Sem Mechanical Engineering
- English 2nd Prize: Salman Ahmed, I Sem B.Arch 'B'
- English 3rd Prize: Mohammed Sinaj K., I Sem B.Com 'C'
- Hindi 1st Prize: Sanjana Suman, III Sem CSE
- Hindi 2nd Prize: Sweta Kumari, III Sem EEE 'C'
- Kannada 1st Prize: Shilpashree K.C., V Sem ECE 'D'
- Kannada 2nd Prize: Tanu Y.M., I Sem Civil Engineering 'E'

The winners were given certificates and Rs. 1000/- coupons from Sapna Book Store.

Events Organized by School of C and IT

The School of Computing and Information Technology organized various programs, such as, faculty development programs (FDP), skill development programs for students, induction program for newly joined faculty and workshops. The persons from IISc, IIT, IBM and universities like VTU and UoM were invited to deliver talks. The programs organized are – The induction program for newly joined faculty was organized on 16th July by the coordinators, Dr. Sunilkumar Manvi, Dr. Mallikarjun M. Kodabagi and Dr. Vishwanath Hulipalled. The newly joined faculty were trained on how to do effective teaching and begin the research by internal and industry resource persons.

The three days FDP on Soft Computing Approaches to Pattern Recognition from 21st July to 23rd July was organized by Dr. Mallikarjun Kodabagi and Prof. Ashwin U.M. The internal faculty members and faculty members from other engineering colleges participated in the FDP. In the FDP, the sessions on soft computing techniques like neural networks, fuzzy logic, symbolic data analysis, support vector machines and similarity measures were conducted.

The workshop on an NLP Approach for Spoken & Written Language Processing: A Beginning of the Research Journey was organized by the Dr. Vishwanath Hulipalled. The workshop covered various sessions on language processing and hands-on training was also given to the participants.

The talks on clustering, agent technology, data mining and machine learning were delivered by Dr. Mallikarjun M Kodabagi, Dr. Sunilkumar Manvi, Prof. Ashwin and Dr. Vishwanath in FDP on soft computing. The school regularly organizes research discussions on every Saturday to help budding researchers to know about the recent trends in computing and IT. Every week the senior faculty members regularly deliver talks on recent topics. Recently, the school organized inauguration of RACIT forum and freshers welcome function.

The inauguration of Skill Development Program on "Pc Fundamentals and Troubleshooting and Data Analytics with R", was held on Saturday 27th August 2016. Pro VC - Dr. S Y Kulkarni, Dr. Sunilkumar Manvi and Mr. Mithun D J, Data Scientist, Predictive Analytics Solutions Pvt. Ltd. graced the function. The classes have started from the day of inauguration.

Another skill development program on Network Programming Using Sockets was also inaugurated on 10th September and classes will commence from 26th September.

The seminar on "Intellectual Property Rights (IPR)", was also organized on Saturday 13th August 2016 for faculty members and students. Mr. Manish Kumar, Associate Principal – Corporate Audits, Assessments and Certification Group – Infosys Limited, was the resource person.

The other achievements of the school includes; Inauguration of IEEE Computer Society Student Branch Chapter; Talk on "Big Data 2020 Avenues" on Saturday 27th August 2016; Shivam Chaturvedi, student of 7th semester got the certificate of HACKSOEMNESS from WhatTheHack team; Mrs. Sarvamangala D. R. received the school level BEST FACULTY AWARD; Mr. Gopalkrishna Shyam received the BEST PAPER AWARD.

Swach Reva Mission

"Swachh Reva Mission" was organized on Saturday, the 15th October, 2016 at REVA University, Rukmini Knowledge Park, Yelahanka, Bengaluru. This mission took place under the dynamic leadership of Dr. P. Shyama Raju, Hon'ble Chancellor, REVA University. Following the principles of our Prime Minister, Shri Narendra Modi in maintaining Swach Bharat, Reva University has taken this initiative to carry forward the program that works to create a culture of environmental responsibility on campus.

REVA University is the recipient of various coveted awards for its infrastructure and green campus. In order to continue receiving such accolades and perform our social responsibility, the Chancellor motivated the students and faculty members to own the college and protect the depleting environment. Swachh Reva Mission is an on-going project at Reva University. He also mentioned that "it is not enough to prepare our children for the future, we must prepare the future for the children."

Swachh Reva campaign aimed to clean the campus and maintain cleanliness at all times. The day started with an inauguration of composting machine where waste is recycled for organic manure. An in-house recycling program is scheduled to keep the campus green and clean.

The University executes different themes every year and the theme of this year is "Ethics, Environment and Society", hence all the programs chalked out for the year's activities revolve around these concepts. This cleanliness drive was to eradicate unhealthy habit of littering filth and create a campus-wide culture of conservation. The University believes in team work approach that includes faculty members, students and administrative staff in the activity. Various cleaning tools were provided to all the schools for cleaning purpose. The schools were delegated with a specific area for cleaning with proper demarcation. One full day was dedicated for cleaning the campus, classrooms, laboratories, hostels and other areas in and around the campus. All the faculty and students participated with enthusiasm in the campaign with abundant energy.

A clean environment motivates students to concentrate in their learning process. The temple premises is always kept neat and clean for positive vibration and peace. REVA University is a temple of learning, hence the campus is spic and span. This mission gave a firsthand experience to all the students in contributing their little effort in keeping the surroundings clean with the help of the in-house house-keeping department. The directors with the management supervised the work and had a review meeting at the end of the day and appreciated their excellent work.

The list of universities and the delegates are:

1. Embry–Riddle Aeronautical University – Dr. Aaron Clevenger, Dean, International & Graduate Admissions

2. University of California, Irvine – Extension– Jessica Stern

3. Southern Methodist University – Lyle School of Engineering – Mickey Saloma, Assistant Dean

4. Rochester Institute of Technology – Katie Beczak, Assistant Director, Graduate Enrollment

5. Willamette University – Matt Alex, Assistant Director of Admission

6. St. John's University – Robert Medrano, Director of Domestic and International Graduate Admission

7. University of Pennsylvania Graduate School of Education – Kervin Pillot, Director of Admissions

8. Hofstra University – Andrew White, Senior Associate Director of Graduate Business

U.S. Delegation Visit

A delegation from reputed U.S. Universities visited REVA University on Saturday, 3rd September 2016 for a meeting with Honorable Chancellor and other dignitaries of REVA University to explore various opportunities. The delegation interacted with students of REVA University and provided a comprehensive review of alternative opportunities for Engineering graduates through a workshop on "Leveraging your B-Tech into complimentary graduate fields".

The workshop was attended by more than 250 students across various disciplines.

Dr. R C Biradar, Director, School of ECE, introduced the School Forum, FORCE, to the gathering and also nominated the faculty coordinators of the forum. The names of the student office bearers were announced during the function. It was followed by introducing the tentative FORCE Calendar of Events for this Semester by Prof. Nirmala L.

Dr. P Shyama Raju Sir, Honorable Chancellor, REVA University, gave the Presidential remarks and motivated the students to build the career and quoted "Sky is the limit at REVA". He also emphasized on project based learning.

The Chief Guest, Mr. Raja Krishnamoorthy, inspired the students with thought provoking videos. He gave an insight about the letter 'T' which highlights that the vertical line is the backbone, technical knowledge and the horizontal line denotes that other knowledge follows it. He ended his motivational talk by saying "Achievement comes for those who work every day."

The previous year's FORCE Coordinators, Prof. Soumya C. H. and Prof. Raghu K, were felicitated by Chief Guest and Pro-Vice Chancellor respectively.

Dr. S. S. Manvi, Principal, Reva Institute of Technology and Management, shared his valuable thoughts about success by quoting "Success is not always final, there must be successes after successes by maintaini ." He encouraged the students to use FORCE as a platform to enhance their skills and leadership qualities.

The academic achievers were awarded by the guests on the dais.

Dr. S Y Kulkarni, Pro-Vice Chancellor, Reva University, appreciated the FORCE activities and stressed on the importance of Electronics and Communication Engineers in social development.

The vote of thanks was presented by Ms. Sushma S. V, VII Semester.

FORCE (Forum of REVA for Communication and Electronics) Inaugural Function

The Forum was inaugurated on 26th August 2016. The function commenced at 10.45 am with an invocation song by Ms. Shruthi of V Semester. It was followed by the welcome speech by Ms. Vanishree R. Nawati of VII Semester. All the dignitaries on the dais lighted the lamp to set the positive tone for the event.

Inauguration of "IEEE Student Branch REVA University" & "IEEE Computer Society Student Branch Chapter"

The IEEE Student Branch REVA University & IEEE Computer Society Student Branch Chapter was inaugurated on 18th August 2016. The resource person during the inaugural program was   Mr. Ravikiran Annaswamy, Founder and CEO of Innohabit Technologies.

The Inaugural Function started by welcoming the Chief Guest, Mr. Ravikiran Annaswami, Secretary, IEEE R10, Asia Pacific Region; the President Dr. S.Y. Kulkarni, Pro-VC, REVA University; Dr. S. S. Manvi, Principal RITM; Dr. R.C. Biradar, Director, School of ECE; and Dr. R.V. Siva Reddy, Professor, School of ECE & Secretary, IEEE Bangalore Section.

Mr. Adarsh M.R., IEEE Student Member, explained briefly about IEEE and its benefits. He also shared his own experience as an IEEE Student Member. Miss. Sharada N.S., Chair, and Prof. Shrikant S. Tangade, Asst. Prof., School of ECE & Counsellor, IEEE Student Branch shared the details of all the events conducted and upcoming events to be organized by IEEE Student Branch.

Mr. Rohan Vijay, Chair and Ms. Sanjana Suman, V, Chair of IEEE Computer Society Student Branch Chapter introduced and shared upcoming events of IEEE Computer Society Student Branch Chapter.

The President of the function Dr. S.Y. Kulkarni discussed about the thirteen skills required to become extra-ordinary engineers. He spoke about how IEEE will help to acquire those thirteen skills. Dr. S.S. Manvi requested every student and faculty member to become a member of at least one international & national professional body. Further, he explained how these professional bodies help to update current technology and how to get grants for conferences and summer

schools. Dr. R.C. Biradar shared a story of success, which tells how important it is to continuously update our technical skills in addition to our regular study or work. Dr. R.V. Siva Reddy gave an overall view of IEEE and its benefits with respect to students and faculty members. He also mentioned that, now it is left to the IEEE members how effectively they make use of this international platform to improve their technical and leadership skills. Finally, the Chief Guest, Mr. Ravikiran Annaswamy presented the history of the growth of IEEE Bangalore Section and IEEE R10-Asia Pacific Region. He also shared that IEEE R10 is the best region in the world.

Workshop on Introduction to Robotics

The Robotics and Automation Lab of the School of Electronics and Communication Engineering, REVA University, inaugurated a two-day workshop on "Introduction to Robotics" on 23rd September 2016 in the C.V. Raman Seminar Hall. The workshop was conducted by e-Yantra project IIT Bombay.

e-Ynatra project from IITB is sponsored by the Ministry of Human Resource Development (MHRD), under the National Mission for Education through ICT (NMEICT) to provide hands-on learning-infrastructure to engineering students who have limited access to labs and mentors. The project supports various Engineering colleges to setup Robotics lab in their colleges.

The Inaugural function was presided by Honorable Chancellor, Dr. P Shyama Raju. The resource persons, Mr. Simranjeet Singh, Mr. Karan Jaiswal Mr. Rucmenya Bessariya from e-Yantra project IIT Bombay and the school directors of various Engineering branches of REVA University graced the function. Dr. Rajashekhar C. Biradar, Director, School of ECE, REVA University, welcomed the gathering and emphasized on the

importance of the workshop for faculty members and students. Dr. Veena K.N. from the School of ECE gave a brief introduction about the Robotics Research Lab and then briefed out the proceedings of the workshop. Mr. Simranjeet Singh, the resource person from e-Yantra project IIT Bombay, spoke about the e-yantra, which is an initiative by IIT Bombay that aims to create the next generation of embedded systems engineers with a practical outlook to help provide practical solutions to some of the real world problems and also briefed out the opportunities and advantages involved in e-yantra. Dr. Sunilkumar S. Manvi, Principal REVA ITM and Director, School of C&IT, emphasized the role of the Robotics in the 21st century. Dr. Rajashekar P. Mandi, Director, School of EEE highlighted the importance of interdisciplinary courses. Robotics being one of the interdisciplinary fields play a major role in the present generation and such courses should be offered as a part of academics. Prof. Mohammed Irfan from the School of Mechanical Engineering, proposed the vote of thanks. Prof. Md. Tauseef from the School of ECE and Prof. Sagar B S from the School of EEE, along with staff and students of School of ECE and School of Mechanical Engineering coordinated the workshop.

Faculty Empowerment Program

The School of Electronics and Communication Engineering conducted a Faculty Empowerment Program sponsored by Texas Instruments in association with STEPS on "Hands-on Training on Analog, Power, Embedded Systems and Wireless IoT" from 11th to 14th July 2016. The members of the training team were led by Mrs. Kavitha N, the Technical Director and Mr. Ramesh, Director Steps Knowledge Services Pvt. Ltd. Coimbatore, an authorized training partner for Texas University Training program. The workshop started with an ice breaking session, highlighting the purpose of the workshop and key outcomes. Mrs. Kavitha N gave emphasis on System Design, Integration of Analog & Sensing, Embedded, Power, Connectivity, Actuation and Annunciation. The main focus was given for MSP430 Micro controller and its advantages over other controllers. Participants were asked to realize some applications using MSP 430 hardware boards and introduced to TINA TI simulation software. TI team asked the participants to conduct VCO experiment using TI ASLK Pro hardware board. Participants were also given extensive information regarding design of Power Supply using WEBENCH. Finally an over view of the IOT and TI offerings were given. Hands-on experience of flashing LEDs using IOT learnt with PWM and UART. The participants were also given a demo of Wireless Temperature Sensing. After extensive hands-on training, the fourth day was wrapped up with how TI Technology could impact effective Pedagogy. The workshop concluded with vote of thanks, feedback and distribution of participation certificates along with Hardware kits MSP430 & CC3200.

Virtual Placements

The event Virtual Placements was conducted after the Inaugural Function of "IEEE Student Branch REVA University" and "IEEE Computer Society Student Branch Chapter". This event was organized and managed by ExeCom members and volunteers of IEEE Student Branch. It was a mock placement session and was attended by more than 650 students. The program was conducted in three rounds, similar to actual placements and gave an insight to students about the actual placement procedure. The first round was an aptitude round, where students were given time of 30 minutes to answer 20 questions, out of which 70 members were selected for the group discussion round. Finally 7 members were selected for the final round – "The HR round". These first and second rounds were judged by ExeCom members of IEEE Student Branch. For the final HR round, the IEEE Student Branch invited Prof. Mohammed Riyaz Ahmed from the School of ECE as judge. Three prizes were given based on students' performances.

Talk on Startup Feature

The Technology Incubation Centre of the School of Electronics and Communication Engineering conducted its first startup talk by industry personnel on 18th August 2016. Mr. Himanshu R., Head, Innovation and Designs Oski Labs, was the resource person. The event started with a formal inauguration by Dr. R. C. Biradar, Director, School of ECE. This talk was conducted to bring awareness regarding startup feature in the universities and to encourage students to develop entrepreneurial ideas and to shape them to be a successful startup. The event was interactive. Many students actively participated in the interactive sessions and enquired regarding startup ventures. Throughout the session, topics such as, approaching problem, starting a startup venture, registering a company and finding investors to the business and etc. were discussed. Many students were motivated by the talk and they voluntarily came out with entrepreneurial ideas. TIC is looking forward to shape them as entrepreneurs.

Add-on Course on "Energy Efficient Micro-controllers"

The School of Electronics and Communication Engineering organized Add on Course on "Energy Efficient Microcontrollers" for 5th semester students of ECE in association with STEPS Knowledge Services, the authorized partners of TEXAS INSTRUMENTS for conducting University training programs. The first phase of the program started on 18th August and continued till 21st August. The Energy Efficient Microcontroller is an add-on course of 4 Credit (1:0:3). The main objectives of this course are to:

- explain the basic architecture of 16 bit Microcontroller, Hardware Interfacing concepts to connect Analog and Digital sensors.

- review the implementation protocols used for communication in real world.

- describe the Embedded networking concepts based up on connected MCU's for distributed computing.

- enhance the employability of the first batch of the students

The course is designed for 40 hours of hands-on sessions. The course was inaugurated by the Director of the School, Dr. Rajashekhar C. Biradar. He spoke about the significance of add-on courses. There were 99 students in the first phase of the program. The necessary hardware has been procured for the school laboratory, which are made available for the students to carry out their mini projects. The laboratory facilities are available to faculty members and students after the college hours too.

First Year Orientation Program, School of Electronics and Communication Engineering

The Director School of Electronics and Communication Engineering congratulated the students for joining REVA family by selecting REVA University School of ECE. He introduced the first year coordinator, Prof. Savitha P. R. He then presented the details regarding the department profile, facilities available at the department, Choice Based Credit System (CBCS) guidelines with curriculum and examination pattern. He highlighted additional facilities available in the School of ECE such as skill development center, Robotics and Automation Lab – e Yantra, Incubation center, IEEE student Branch and so on. He stressed that attendance is strictly monitored. The Director urged the students to use the facilities that are available even after college hours. The coordinators of skill development center, Robotics and Automation Lab – e Yantra, Incubation center briefed about the facilities and

activities planned for the overall development of students.

Faculty Development Program on "Electronic Circuit Engineering – Analog Circuits – Op Amp Based"

Electronic circuit labs are foundational courses, for every engineer. Circuit theory can be learnt in theory classes, while lab courses help in actually building the circuit and analyzing it. Integrating simulation along with actual implementation enhances understanding of basic components and makes a person confident to build circuits. It also emphasizes the importance of simulation for circuit design. In a three-day FDP conducted from 13th to 15th June 2016, NI myDAQ, NI Multisim & NI LabVIEW platforms were used to teach Electronic Circuit Engineering. NI LabVIEW is ultimate system design software. NI Multisim is a comprehensive environment for teaching theory & concepts in analog, digital, and power circuit courses. The pedagogical features of

Multisim are built into an intuitive interface powered by industry-standard SPICE simulation. NI myDAQ is portable measurement & instrumentation Device designed for hands-on learning and project development. NI myDAQ integrates eight common lab instruments into one student-ready device. Using above circuit teaching environment (NI Multisim), Portable measurement device (NI myDAQ) and PCB boards from United Electronics, Bengaluru, the following topics were covered –

- LabVIEW as a Graphical System Design Environment
- Analog Circuit Engineering: WHY? WHAT? HOW? Importance of Performance measurement of OP AMP based circuits and Op Amp Based Active Filter Design
- NI Multisim as a Modeling and Simulation Design Environment
- Realization of Active Filter using Multisim (Simulation), comparing results considering real-world signals
- PLL – WHY? WHAT? HOW? Demystifying PLL as a Circuit Element
- PLL performance measurement (PLL boards from United Electronics, Bengaluru)
- PLL Applications (Demonstration)
- LabVIEW Multisim Co-simulation
- Demonstration of various NI hardware useful in academic area such as NI myRIO

Faculty Development Program on "Graphical Design in Signals & Systems, DSP and Speech Processing using NI LabVIEW"

Signals & Systems, DSP is a foundational course for any engineering student. It is very important for these concepts to be clear for working on any electrical/electronics/communication application. NI teaching tools facilitate to teach Signals & Systems, DSP and application areas of DSP such as Speech processing & Image Processing.

NI LabVIEW is an ultimate system design software which provides engineers and scientists with the tools they need to create and deploy measurement & analysis systems. It is the premier development environment for problem solving, accelerated productivity, and continual innovation.

Using NI LabVIEW environment, the 3 days FDP conducted from 19th to 21st June 2016 covered following topics –

- Graphical Systems Design in DO Engineering
- Graphical Programming in LabVIEW (Hands–on)
- DSP: WHY? WHAT? HOW? Industrial application of DSP

- Acquire, Analyze and Display using NI myDAQ (Hands–on)
- Signal Analysis in temporal and spectral domain (Hands–on)
- Signal Processing operators in LabVIEW (Hands–on)
- Design and Implementation of Digital Filters in LabVIEW (Hands–on)
- Acquiring and processing audio & image signal in LabVIEW (Hands–on)
- Short time processing of speech signal
- Demonstration of various NI hardware useful in academic area

Sports News

- Smt. Rukmini Shyama Raju memorial Inter University/ inter collegiate invitational T20 Cricket Tournament held from 18th to 28th March 2016. Around 16 teams participated.

- REVAMP 2016 Inter University/ inter collegiate invitational Basketball tournament held on 30th and 31st March 2016, around 25 teams participated.

- REVA Vestian Corporate Cricket tournament was organized by REVA University and Vestian to promote the idea "Work-Life balance". It is the largest corporate sporting event in Bangalore. A total of 42 teams played 55 matches in August & September 2016 at REVA University Campus. Final match was between TESCO and HCL; TESCO won the match by 20 Runs. Mr. Thilak from TESCO was awarded with "Man of the Match".

- REVA University conducted its 3rd Annual Athletic Meet, on Friday, October 07, 2016 at Rukmini Knowledge Park. The Athletic Meet was inaugurated by Hon'ble Chancellor, Dr. P. Shyama Raju and the Chief Guest of the occasion, Sri. Vijay Bharadwaj, Former Indian cricketer.

University Achievements in Sports:

- REVA University Hockey team won Runners in State level Hockey Tournament, held at Coorg Institute of Technology Ponnampet, Kodagu on 27th February 2016.

- REVA University Basketball (Women) team won the first place in REVAMP '16 Inter collegiate Basketball Tournament 2016 on 31st March 2016, organized by Our University.

- REVA University (Volley ball, boys) & (Throw ball, girls) teams were runner-up in the XLR8 Tournament Organized by Youturn on 23rd July 2016.

- REVA PUC Athletic Girls team won team championship of 9th state level Olympic 2016 at Kanteerava stadium, Bangalore on 19th August 2016.

- REVA PUC Basketball Girls team won the first place in the P.U. District level at our campus on 21st September 2016.

- REVA University Degree Cricket team won first place in Invitational Inter Collegiate Cricket Tournament 2016 organized by Vijaya College, Jayanagar on 25th August 2016.

- Hat-trick Winners of Table Tennis – Reva ITM girls – VTU Bangalore North Zone   Tournament at RLJIT, Doddabalpur on 28th September 2016, they won in 2014-15, 2015-16, 2016-17.

ರೇವಾ ಕಾಲೇಜು ಚಾಂಪಿಯನ್

■ ವಿಜಯವಾಣಿ ಸುದ್ದಿಜಾಲ ಬೆಂಗಳೂರು

ಉತ್ತಮ ನಿರ್ವಹಣೆ ತೋರಿದ ರೇವಾ ಇಂಡಿಪೆಂಡೆಂಟ್ ಬಾಲಕಿಯರ ಪದವಿ ಪೂರ್ವ ಕಾಲೇಜು ರಾಜ್ಯ ಮಟ್ಟದ 18 ವಯೋಮಿತಿಯ ಒಲಿಂಪಿಕ್ಸ್ ಅಥ್ಲೆಟಿಕ್ಸ್‌ನಲ್ಲಿ ಸಮಗ್ರ ಚಾಂಪಿಯನ್ ಆಯಿತು. ಕಂಠೀರವ ಕ್ರೀಡಾಂಗಣದಲ್ಲಿ ಮುಕ್ತಾಯಗೊಂಡ ಕೂಟದಲ್ಲಿ ತಂಡದ ವಿವಿಧ ಆಟಗಾರ್ತಿಯರು ಗಮನಾರ್ಹ ನಿರ್ವಹಣೆ ತೋರಿ ಪದಕಕ್ಕೆ ಭಾಜನರಾದರು. ಧಾನೇಶ್ವರಿ 100ಮೀ. ಮತ್ತು 200ಮೀ.ಯಲ್ಲಿ ಸ್ವರ್ಣ ಪದಕ ಸೇರಿದಂತೆ ಕೂಟದ ಅತ್ಯುತ್ತಮ ಅಥ್ಲೀಟ್ ಗೌರವಕ್ಕೂ ಭಾಜನರಾದರು. ಉಷಾ ಆರ್ 1500ಮೀ. ಮತ್ತು 400ಮೀ.ಯಲ್ಲಿ ಸ್ವರ್ಣ ಗೆದ್ದರೆ, ಕಲಾವತಿ ಆರ್ ಶಾಟ್‌ಪುಟ್ ಮತ್ತು ಡಿಸ್ಕಸ್ ಥ್ರೋ ವಿಭಾಗದಲ್ಲಿ ಚಿನ್ನದ ಪದಕಕ್ಕೆ ಭಾಜನರಾದರು. ಧನುಷಾ ಹೈಜಂಪ್‌ನಲ್ಲಿ ಬೆಳ್ಳಿ, ಕಾವೇರಿ ಎಲ್ ಪಾಟೀಲ್ 100ಮೀ. ಮತ್ತು 200ಮೀ.ಯಲ್ಲಿ ಬೆಳ್ಳಿ, 4/100 ರಿಲೇ ತಂಡ ಚಿನ್ನದ ಪದಕ ಜಯಿಸಿತು.

REVA University 3rd Annual
Athletic Meet 2016

Match Summary — Match No: 55

Team TESCO				20	165/7
VINAY	55*	SUBBU			30/4
RAKESH L	40	AJAY			22/1
TEJAS	22	ARUN			30/1
MANU VIJAY	08	MANJUNATH			32/1
Team HCL				18.3	145/10
BHARATH	30	TILAK			20/4
HIMANSHU	25	UMER			28/3
GAURAV	25	NAGARJUN			43/2
MANJUNATH	20	ANISH			12/1

TESCO WON BY 20 RUNS

REVA VESTIAN
CORPORATE
**CRICKET
TOURNAMENT**
ORGANIZED BY **REVA
UNIVERSITY** AND
VESTIAN TO
PROMOTE THE
IDEA **"WORK-LIFE
BALANCE"**.

News from Placement Cell

The Placement activities for this academic year started on the 19th of September 2016 with IBM as Slot 1 Company. Our students have been placed in reputed companies like JARO EDUCATION with the package of 6.6 Lac p.a., MINJAR with the package of 6.5 Lac p.a., MORGAN STANLEY with the package of 5.8 Lac p.a. and HEWLETT PACKARD ENTERPRISE with the of 5.5 Lac p.a.

Other esteemed partners who visited REVA University include CAPGEMINI, TCS, MPHASIS, EMC2, MYNTRA, ICICI PRUDENTIAL, OPPO Mobiles, SLK SOFTWARE SERVICES, ARTECH INFO SYSTEMS and YODLEE.

Almost 200 offers have been rolled out across all streams till date.

Companies lined up for the coming days include AMAZON, EConstruct Design & Build Pvt Ltd, SUBEX Limited, HDFC, Microland to name a few.

In all a great start to yet another successful placement season. More to come. Do watch this space for more.

Skill Development Centre

The Skill Development Center, School of ECE, REVA University is conducting three parallel courses:
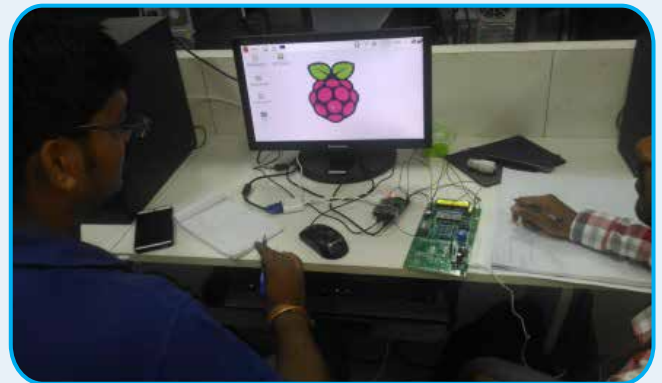
1. Latest Trends in Internet of Things Using Arduino and Raspberry Pi for **6 Days** from 30th September 2016 to 5th November 2016 (Weekend program).

2. Arduino Programming – An Open Source platform for **8 Days** from 30th September 2016 to 5th November 2016 (Weekend program).

3. Programming Using Raspberry Pi – An Open Source platform for **6 Days** from 30th September

2016 to 5th November 2016 (Weekend program). The total participants for the three courses are 111.

The first three days training was successfully conducted on 30th September 2016 (Friday), 1st (Saturday) and 2nd October 2016 (Sunday). The students enthusiastically underwent the training on all the three days and expressed their happiness in learning the hands-on courses. The SDC Coordinators, Prof. Manjula R. B.; Prof. Ravishankar D and technical staff, Mr. Ravikumar, Mr. Durga Prasad, Mr. Chandrashekar, and Mr. Sridhar facilitated the program.

Dr. R. C. Biradar, Director School of ECE congratulated the students, organizers and technical staff for taking the initiative to conduct the courses. He motivated the students to realize the 'Make in India' concept through innovative projects by the end of the training course. He also suggested the students to develop Smart Campus projects (To be realized through the participants of IoT and Raspberry Pi courses).

organizers and participants were present in inaugural function.

A brief description about the workshop was given by Prof. Manjula R. B., Assistant Professor (SDC Coordinator), School of ECE, REVA University. Dr. Sunilkumar S. Manvi addressed the gathering and emphasized the scope of the workshop. He congratulated the coordinators, students and trainers for taking the initiative for organizing the workshop.

Dr. R. C. Biradar congratulated the organizers and participants; he recalled the NASCOMM opinion about the placement for next four years. He highlighted the scope of this workshop in encashing the placement opportunities by developing skills in the design, testing and troubleshooting. Dr. Rajashekar P. Mandi motivated the students to avail the best out of the two day workshop and gain insight into the design aspects.

Two Day Inter-disciplinary Workshop on Power Your Creations - Design of Fixed Regulated DC Power Supply

The Two Day Interdisciplinary Workshop On "Power Your Creations - Design of Fixed Regulated DC Power Supply organized by Skill Development Center, Smart Systems and Applications, School of ECE in association with Wireless Research Lab, REVA University was conducted on 24th and 25th September 2016.

The inaugural program was graced by Dr. Sunilkumar S. Manvi, Principal Investigator, Wireless Research Lab, Principal REVA ITM, Director School of C&IT; Dr. R. C. Biradar, Director, School of ECE; Dr. Rajashekar P. Mandi, Director School of EEE. Prof. Narayan Murthy, School of EEE, faculty members of the School of ECE,

Teachers' Day Celebration

REVA University celebrated Teachers' Day on 6th September in order to honour the contributions of teachers. The special day marks the birth anniversary of the second Indian President and academic philosopher, Sarvepalli Radhakrishnan. A formal function on this occasion was organized for all the teachers of REVA Group of Institutions which was presided by Honorable Chancellor, Dr. P. Shyama Raju who stressed on the importance of the noble profession of teaching and motivated all the faculty members to put in their best efforts to serve the society. Dr. S.Y. Kulkarni, Pro Vice-Chancellor presented a road map of REVA University for the next five years. During the function, one nominated teacher from each school was awarded with Best Teacher Certificate. This award was given based on

several criteria of academic performance of the teachers. Prof. Raju B.S. from the School of Mechanical Engineering was awarded with the Overall Best Teacher for the academic year 2015-16 and was given a cash prize of Rs. 25,000 for his dedicated service to the institution and student community. Prof. Gopal Krishna Shyam from the School of C & IT and Dr. Sakthivel Kandaiah from the School of Chemical and Biological Sciences received the awards for Best Research Papers and were presented with Rs. 10.000/- each as a token of appreciation. A sumptuous high tea was arranged for all the teachers at the end of the function.

Programs offered by REVA University – Research Program

| B Tech I M Tech | B Arch | BA LL B / BBA LL B | BBA I BBA (Hons.) |

| B Com I B Com (Hons.) | BCA I MCA I MS | B Sc. I M Sc. | MBA I M Com. | MA in English |

B S in Computer Science / Computational Mathematics and Computing

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