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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

## From Chief Editor's Desk



“When one door closes another door opens; but we often look so long and so regretfully upon the closed door, that we do not see the ones which open for us.” – Alexander Graham Bell

The year 2017 has brought with it umpteen opportunities and has opened up a labyrinth of doors for us to explore and gain benefits from. At REVA University, no door is ever left unexplored. Being on the continuous path of self-enhancement, REVAITIES have always been setting higher benchmark for themselves in all arenas, be it academics, cultural activities, sports, research, and so on. This year too students, research scholars, and faculty members have already started showcasing their brilliance in every field.

Prof. Sunil Kumar Manvi was awarded the prestigious 'Prof. Satish Dhawan Award for Young Engineers' which has added laurels to REVA University. Our students participated and won prizes in various inter-university competitions. REVA University celebrated “Grand Alumni Day 2017” where a huge number of alumni from various parts of India and abroad attended the program. REVAMP, a unique techno-cultural youth festival, has become the talk of the city. REVAMP 2017 was celebrated as usual with lots of pomp and show.

This issue of REVA Insight gives the readers a glimpse of the bustling activities of our vibrant campus. I urge the readers to stay connected with us and be a witness to our continuous growth and development.

Happy Reading!

Dr. S. Y. Kulkarni  
Vice Cancellor  
REVA University

## REVAMP 2017

All work and no play make Jack a dull boy. Well, if you are in REVA University no Jack will be a dull boy! REVA University, which is one of the most prestigious universities in the country, does not focus only on the academic excellence of the students but on their all round development as well. Every year REVA University celebrates the annual national level Techno-cultural, management and sports festival called REVAMP.



This year too REVA University celebrated Revamp 2017 on 5th and 6th of April. Revamp 2017 was very special as it marked its decennial celebration with the theme "The Green Scene (Go green)". REVAMP 2017 was a complete package of fun and entertainment, spreading the spirit of healthy competition and sportsmanship. Like every year, this year also it proved to be a platform of opportunity for young and creative minds to portray their talents. As a prelude to REVAMP 2017, a street dance event named "4th dimension" was organized. Many participants from all over the nation like Mumbai, Chennai and Delhi exhibited their talents.



REVAMP 2017 was inaugurated on 5th April by Honorable Chancellor, Dr. P. Shyamaraju and the chief guest, Ms. Amulya, a renowned actress from Kannada film industry. On 5th and 6th April, cultural and technical events were conducted throughout the days. Some of the major cultural events were group dance,

street play, solo dance, debate, jam and stress buster. Apart from these, there were other cultural events as well which saw participation from many colleges in and around Bangalore.



REVAMP is as much known for its technical excellence as it is known for its cultural vibrancy. REVAMP 2017 truly upheld this fact in an ingenious manner. There were 77 technical events across 16 disciplines where the participants competed to the best of their abilities. The primary event that REVAMP is known for is the Technical Paper Presentations and this year REVAMP attracted more than 50 papers of high caliber. The various competitions included project demo and modeling, crime investigation, circuit debugging, jumble coding, bio and automotive quiz, best manager and HR



REVAMP 2017 marked its end with the performance of two bands named 'Swaha', a Bengaluru based band and 'The Local Train', a Delhi based band which enthralled the audience.



### Dr. Sunil Kumar Manvi receives the prestigious Prof. Satish Dhawan Award

Prof. Sunil Kumar Mani, Principal, RITM and Director – School of C&IT, REVA University was honoured with the prestigious Prof. Satish Dhawan Award for Young Engineers 2015 and 2016.

The award, which carries a cash prize of Rupees Fifty Thousand, a memento and a citation, is given to engineers who have made outstanding achievements in the fields of Engineering and Technology.

The Department of IT/BT/S&T, Government of Karnataka, recognizes outstanding contributions in Science and Technology every year. The awards which are given are Sir. M. Visveswaraiiah award for life time contribution in Science and Technology, Raja Rammanna award for Science Education, Sir CV Raman for Young Scientists, Prof. Satish Dhawan Award for Young Engineers, and Dr. Kalpana Chawla award for young women scientists.

Prof. Manvi received the award from Honourable Chief Minister of Karnataka, Sri Siddaramaiah, in the presence of Bharat Ratna Prof. C.N.R. Rao and Prof. Anurag Kumar, Director, Indian Institute of Science.



### Felicitation of Dr. Rajashekar P. Mandi

Dr. Rajashekar P. Mandi, Director, School of EEE of REVA University, Bangalore and Shri. Dineshkumar of KREDL, Mysore were felicitated by Institution of Engineers (I), Mysore on the occasion of Energy Conservation Day celebration on 14<sup>th</sup> December 2016 at Mysore. Former IEL chairman Shri. C.N. Babu, Secretary Shri. B.V. Ravindranath and Programme Coordinator Shri. B.N. Ramesh were also present during the occasion. Dr. Rajashekar P. Mandi delivered keynote speech on Energy conservation and highlighted about the need of energy conservation to reduce the environment pollution and global warming.

### Kannada Rajyotsava Celebrations

Kannada Rajyotsava was celebrated at REVA University on 1st of November 2016. Dr. N. Geethacharya, Professor and renowned litterateur, was the Chief Guest of the program. Dr. P. Shyamaraju, Honorable Chancellor of REVA University, was the President of the program.

The Chief Guest addressed the gathering about the rich history that the Kannada language has and also about the importance and relevance of Kannada language. He emphasized on how the language should be used to bring people together. He also gave out a message that every organization should implement the local state language and ensure that the languages grow and with that the rich heritage of the states too.

Honorable Chancellor Sir in his address remarked that the students be told about the importance of the day and that their involvement in such days of national and regional importance is pivotal to their holistic growth and development.



### Constitution Day

School of Legal Studies celebrated the Constitution Day on 26th November 2016. On the unique occasion an inter-school Debate Competition was organised on “Unrestrained Freedom of Social Networking: A threat to society”. The event was graced by the Chancellor, Pro-Vice Chancellor, Director Planning and Registrar of REVA

University. Many schools registered for the event and the participants debated enthusiastically. The first and second prizes for best teams were awarded to Sindhi PU School and MES Vidhya Sagar PU School respectively. The Best Speaker 'For' was awarded to Ms. Abharna, REVA Kattigenahalli Campus and Best Speaker 'Against' to Mr. Shariq Ahmad of Sindhi PU School.

### Industrial Visit to MTR Foods Ltd.

As a part of Skill Development activity, the School of Management Studies had arranged an Industrial Visit to MTR Foods Ltd., Bommasandra Industrial Area on 8th, 9th and 10th November 2016. 165 students of MBA were taken for the visit. They were given a brief information about the company's vision, goals and objectives and were taken to the different units of manufacturing. A detailed explanation was given by the company officials with reference to each stage of production. All the students actively participated and interacted with the company officials. An interactive session was arranged where many of the students asked questions on product, quality issues, pricing, sales promotion, marketing, research & development, corporate strategies, etc.

### 68th Republic Day Celebration



India's Republic Day marks the anniversary of the adoption of the Indian constitution. Much effort is put towards organizing events and celebrations that occur on Republic Day in India. Large military parades are held in New Delhi and the state capitals. With the same spirits in mind and soul, REVA University celebrated the 68th Indian Republic Day celebrations in our campus. The program was presided over by our Honorable Chancellor, Dr. P. Shyama Raju Sir. The Chief Guests for the occasion were Dr. Junjappa, eminent researcher in the Bio Technology Field and Dr. Ramesh, Dean Mount Carmel College. The program was made more colorful by the students rendering songs which bought out the best of patriotic feelings among the audience.



### Grand Alumni Day 2017

REVA University celebrated Grand Alumni Day on 26th January 2017. Dr. N Ramesh, Dean, Training, Placement and Planning welcomed all the alumni who are the real brand ambassadors of REVA University and the entire gathering. Mr. Varun, President, REVA Alumni Association, explained the growth of REVA from Institution to University and informed that the alumni of REVA are in different fields like Defense, Government sectors, IT firms and many have established themselves as entrepreneurs.

He emphasized that there is a great opportunity to contribute to the growth of the university and something to give back to the alma mater.

Mr. Bharath Kumar S N, Secretary, REVA Alumni Association, spoke about the future plans of the REVA Alumni Association in the coming years. A flier about the Activity of Alumni Cell & REVA Alumni Association was released by our Honorable Chancellor Sir on this occasion.

#### \Awarding of Outstanding Alumni Achiever: Dr. P. Visweswara Rao

During the Grand Alumni Day, Dr. P. Visweswara Rao, who is the recipient of Young Scientist award "AV TILAK AWARD" sponsored by Banaras Hindu Central

University, was recognized as the Outstanding Alumni Achiever. Dr. P. Visweswara Rao has published 3 books, 6 book chapters, has received 20 awards for various achievements, has delivered 18 invited talks, has 14 professional memberships, is an editorial member to 7 journals, is a peer reviewer to 29 journals, has received research grants of 2,70,100 INR and has 45 publications to his credit.

Post lunch, several fun-filled activities like tug of war, Kaun Banega Chocopathi and Minute to win it were organized and all alumni participated with lots of interest and enjoyed thoroughly.



### REVOTSAVA

The School of Commerce had organized REVOTSAVA, an array of cultural events for students from 26th to 29th September 2016. 10 events were conducted, and around 250 students actively participated in the events. All the events were judged by the faculty members of the other schools of REVA University. The events conducted during the week included Best Out Of Waste, Debate, Nail Art, Vegetable and Fruit Carving, Role Play, Fireless Cooking, Minute to Fame, Pot Painting, Face Painting and Collage. An exclusive event was conducted to identify the Best Freshers (Male and Female) 2016 who had to undergo various competitions.

### EEE Students win 2<sup>nd</sup> Prize in Project Demonstration

3<sup>rd</sup> Semester students of School of EEE won second prize in Project demonstration in a prestigious "IEEE Power & Energy Society Student Congress-2016" on 17<sup>th</sup> September 2016 organized by Vidyavardaka College of Engineering, Mysore and won the cash prize for the project titled "Solar Refrigerator Based on Peltier Effect" guided by Prof. Mahesh G.S., Associate Professor. In this contest students from 20 colleges/universities had participated including RVCE, UVCE, PES University, Jain University, Nitte Minakshi IT Bangalore, JSS, NIE Mysore, etc.

### Freshers' Day for M.Com students

Freshers' Day was organized for I Semester M.Com Students on 1st October 2016. The President for the program was our Honorable Chancellor, Dr. P. Shyama Raju, and other guests for the program were Pro-Vice Chancellor, Registrar and Director Planning of REVA University. Students were addressed by all the dignitaries present during the program. Prize distribution was also held for the students who actively participated and won in cultural events.



### Nukkad Natak

Students from the School of Legal Studies organized a street play, Nukkad Natak, on 25th October 2016 on the sensitive issue of "Drug Abuse" and portrayed the consequences and ill effects of drug abuse. The students displayed great sense of unity and responsibility towards society. The same was very well received by the audience.

### CSR Activity

On 16th November 2016, the MBA students of REVA University came out with an initiative to help the large number of common people standing for hours together outside ATMs and banks to exchange the old currency notes of 500/- and 1000/- denominations. Many people, especially senior citizens and a large number of illiterates, had been suffering in getting their work done. Having identified this trouble, the students reached out to some of the banks at Yelahanka and helped the needy ones in filling up the deposit forms, distributing drinking water, etc. This activity was appreciated by the public.



### Industrial Visit

At School of EEE, as part of practical oriented teaching and learning practice, the 5<sup>th</sup> & 7<sup>th</sup> semester students were taken to 10MW Solar PV Power plant owned by

KPCL and also Hydro power plants of Bhoruka Power Ltd., near Shivanasamudra on 17<sup>th</sup> November 2016. The students were given training on power generation, operation of power plant, transmission & distribution of power.

### FDP on Intellectual Property Rights

School of Legal Studies in association with Skill Development Cell and Edulife India conducted a DIET sponsored Faculty Development Program on Intellectual Property Rights on 16th December 2016. The event also marked the partnership between Edulife India, Bengaluru and REVA University.

### Workshop on Social Surfing

In the light of various incidents of women shaming, cyber stalking, cyber bullying etc., on social media, Council of Social Research, New Delhi in Association with Facebook conducted a workshop at School of Legal Studies on Social Surfing on 17th January 2017. The Workshop provided detailed introduction to online safety mechanisms, overview of India, counter speech and social media.

### Project Demonstration

At School of EEE, Project demonstration by all semester students were organized on 5<sup>th</sup> November 2016 as part of implementation of project based learning and 109 projects were demonstrated during the occasion. Honourable Chancellor of REVA University, Dr. P. Shyama Raju, visited and witnessed the project demo and encouraged the students to take up the projects and to convert them into patents or product development. Vice Chancellor, Dr. S.Y. Kulkarni, also visited the project demo and addressed & motivated all the students to take up the projects into higher level by conversion into product development or patents before they finish the course. On the same day Parent Teachers meeting was also organized. The parents also witnessed the project demonstrated by their wards and expressed their happiness during the occasion.

### Industrial Visit to Coca Cola – Bidadi Plant

On the 9th of December 2016, the School of Management Studies had organized an industrial visit for 220 students of the first semester MBA who were accompanied by three of the faculty members of the department. The visit was to the coca cola plant, situated in Bidadi, Bangalore. The industrial visit to

Coca-cola was an enriching experience for students in getting live exposure of manufacturing which can help them in their internships and further career

### Commerce Forum

The School of Commerce inaugurated the Commerce Forum. The forum will host events every week on commerce related subjects. Events like Ad-Mad, Talk on 'Successful Entrepreneur', Merchandiser - 'Make Your Profit', and a deliberation on Demonetization have been organized, where more than 120 students participated in the events.



### Five Day Faculty Development Program

The School of Mechanical Engineering conducted a 5-Day FDP on "Leadership Meet to Equip Educators and Empower Ourselves to Join the Future of Making Things" from 23rd to 28th January 2017. development for engineers. The aim of the FDP was to introduce latest trends in research and design techniques for engineers, so learning AUTODESK FUSION 360 provides a platform for new product

- Introduction to Fusion software and basic commands on 2D modeling
- Hands on training session on how to create cloud based projects, cloud based data management,

product innovative platform on cloud by Sagar Virapannavar and Anand Geetha Govindan.

- Rendering, drafting with detailed drawing and many other aspects of Build assembly opportunities and capabilities of the AutoDesk Fusion 360, software by Sagar Virapannavar.
- Discussion on different case studies of FEM analysis and Simulation by using AutoDesk Fusion 360 by Dr. Ramesh Shankar Pudale, Account Manager, AutoDeskInc, Bangalore.
- Introduction to 3D printing as a major future hub of manufacturing domain in present world and Practical orientation of industries towards 3D printing and many case studies were discussed by Mr. Guruprasad K Rao, Director Imaginarium India (p).Ltd, Mumbai. Upon the completion of workshop, participants were comfortable with the fundamentals of Fusion 360 for the ability to collaborate with other designers and to create 3D part and assembly models along with supporting 2D documentation. The programme was concluded by presenting a 3D print of our Hon'ble Chancellor Dr. P. ShyamaRaju by Mr. Guruprasad K Rao, Director Imaginarium India (p).Ltd, Mumbai.

### Neuro-Linguistic Programming and Machine Learning

The School of C&IT conducted one day Faculty Development Programme on "Neuro-Linguistic Programming and Machine Learning" on 12th January 2017. Neuro-Linguistic Programming describes the fundamental dynamics between mind (neuro) and language (linguistic) and how their interplay affects our body and behavior (programming). NLP is a pragmatic school of thought - an 'epistemology' - that addresses the many levels involved in being human. Dr. D.H Rao and Dr. V Susheela Devi were the external speaker for this program.

### RENGCONF2017

The School of Arts and Humanities organized a two-day International Conference on "(His)tory, Her-story and 'Other' Narratives: Revisions and Reinterpretations in Story-telling" on 3rd and 4th February 2017. 315 delegates from all over the nation participated and presented their research papers in this mega event. The keynote address was delivered by Prof. T.S. Satyanath, from Delhi University.

The plenary sessions during the two days were conducted by Prof. Himadri Lahiri from University of Burdwan, Prof. Ettienne Rassendran from St. Joseph's College, Bengaluru and Prof. V. Shantha from Jyoti Nivas College, Bengaluru. Over 250 research papers were presented in various parallel technical sessions moderated by eminent academicians.

### Inauguration of Bengaluru Chapter of ELTAI

On 3rd February 2017, the School of Arts and Humanities inaugurated the Bengaluru Chapter of the prestigious English Language Teachers Association of India (ELTAI), an associate of IATEFL, United Kingdom. ELTAI is the largest network of English teachers in India. Prof. Elango, the national secretary of ELTAI, inaugurated the Bengaluru Chapter in REVA University. He spoke on the various activities conducted by the association and gave a brief on the advantages on becoming a member of this body which helps one to connect to the entire English teaching fraternity. The School of Arts and Humanities has chalked out a list of activities to be conducted during the academic year on various ELT themes.

### India Skills Competition



The National Skill Development Corporation under the HRD, Govt. of India conducted "India Skills Competition" for Mechanical Engineering Design-CAD at Mechanical Engineering Department, REVA University from 10th February to 12th February 2017. This competition is the pre-final selection for the competition named "World skills Abudhabi -2017" which is to be held in Abudhabi in July 2017. The competition was conducted in association with NTTF, AUTODESK & REVA University.



### Two-Day Workshop on "Upgradation of Teaching Skills"

The School of Mechanical Engineering organized two days workshop on teaching skills on 30th January and 31st January 2017 for the faculty members of the school of Mechanical Engineering and Civil Engineering. The main objective of the workshop was focused on teaching skills, research and innovation, preparation of course plan, subject preparation, class monitoring, question paper preparation, paper evaluation, laboratory evaluation and mentoring. About 100 faculty members attended the workshop.

The first session was conducted by Dr. Divakar B P, Dean R&I, REVA University, on the topic Research & Innovation. Dr. Divakar highlighted the importance of research and innovation for an individual and also for the university. He also talked about the step by step procedure to do research, literature survey, problem definition and paper publication in journals and conferences. The second session was conducted by Dr. P. S. Venkataramu, Dean, IQAC, REVA University. He focused on outcome based education, course preparation and preparation of course file. He briefed about course outcomes and program outcomes with program educational objectives. He stressed about use of Bloom's Taxonomy for course preparation and course delivery. On the second day, the first session was conducted by Dr. Krishna Rao followed by Dr. L H Manjunath from the School of Mechanical Engineering. They focused on class room management, such as, subject preparation, subject delivery and class controlling. They gave some important tips which are useful for new teachers to handle the problematic subjects and control the classes in effective way. The second session was conducted by Dr. Sharanappa followed by Prof. C D Hampali and Prof. Mahesh from,

Mechanical Engineering. They explained about qualities of a teacher, basic requirements of a teacher and skills required for effective teaching. They also discussed on conduction of labs, evaluation of lab records and evaluation of the students in the laboratories. The third session was handled by Prof. Naga Suresh Babu, followed by Prof. Anand, Prof. L R Jagadeesh and Prof. Raju B S from the School of Mechanical Engineering. Prof. Naga Suresh Babu talked about criteria to be followed for setting of question papers.

Prof. L R Jagadeesh briefed about 21st century skills and importance of these skills for faculty members and also for students. Prof. Anand discussed about Moodle module of our University. He highlighted responsibility of a teacher for updating of student data, personal data and online assignments and online exams. Prof. Raju spoke about paper evaluation. He stressed about transparency, responsibility and morality to be maintained for evaluation. The program was concluded with an interactive session and vote of thanks.



## Simulation of Wireless Networks Using NS3

In a three-day program conducted by the School of C&IT from 23rd to 25th January 2017, various talks on the importance of Simulation of Wireless Networks and Programs on Network Simulator3 were conducted for budding researchers by experts in the field. The experts were invited from academia. The objectives of the workshop were to differentiate between NS2 and NS3, installation of NS3, to become familiar and then to write NS3 script, building of wireless network topologies using NS3 and to create LTE/WiFi/UAN model using NS3.



## Workshop on "Research Methodology and LaTeX Documentation"

The School of ECE and IEEE Student Branch REVA University organized a workshop on "Research Methodology and LaTeX Documentation" on 9th and 10th January 2017. The intention behind conducting this workshop was to guide upcoming researchers in engineering and science in the art of research. The sessions of the workshop gave insight into different ways of doing research and achieving excellence in research. Majority of the publications, conference, journal papers, and thesis reports in the world today are expected to be in LaTeX format. Today, most document systems like Microsoft Word or Open Office are working based on the so called WYSIWYG (what you see is what you get) concept. In LaTeX, instead of typing in a document showing the final layout, the document is typed as a simple text file. Special formats like headings of emphasizes are achieved by using LaTeX's markup commands. The LaTeX is focused on high quality printable documents like books. It is well suited for documents containing mathematical equations. The workshop was conducted by experienced personnel from academia & research institutions of REVA University.



### 3-Day FDP on "Robotics"

Robotics and Automation Lab of the School of ECE conducted a three day FDP on "Robotics" from 11th to 13th January 2017. Faculty members and student volunteers from various schools of REVA University participated in the FDP. Dr. Veena K N, Prof. Md. Tauseef and Prof. Sagar B.S were the resource persons of the FDP.



### Faculty Development Program on Course Planning

Dr. Venkataramu, Dean, IQAC, REVA University conducted a Faculty Development Program for the faculty members of the School of ECE on course planning on 25th, 27th and 28th January 2017. During the training, faculty members were motivated to enhance their knowledge in implementing the outcome based education. The FDP focused on:

- Making the teaching-learning process regular, organized and more systematic.
- Understanding the processes that lead to the outcomes.
- Improving the quality in teaching.
- Forming the questions for paperless examination.
- Usage of action verbs for various Bloom's level.
- Depth of the course to be covered uniformly in class.
- Learning of standards for laboratory.
- Identifying the needs and resources for the laboratories if needed.



## Collage of Activities by School of Architecture

**January 23rd-27th:** Study tour to South India for 2nd and 4th semester students coordinated by Ar. Divya H., Ar. Deepa N., Ar. Kokila M and Ar. Sneha M.

**January 31st:** 4th semester students participated and uploaded entries for Birla white Yuva Ratna competition for Urban Plaza design, Coordinated by Ar. Vimala Swamy and Ar. Vidya Srikanth.



**February 10th:** Student participation in Transparency Design competition finale and workshop at Chennai coordinated by Prof. Vidya Srikanth.

**February 10th-11th:** Student participation in Design Fest at RR College of Architecture and Aditya College of Architecture, Bangalore.

**February 22nd:** 'Cut-fold-construct', a one day workshop on Form Finding and Basic design Explorations using Paper as a medium, was conducted for the students by Paper Engineer, Mr. Arun Desai.



**March 3rd-4th:** 4th semester students carried out a rural study documentation of the Arettipur as part of Design Studio project.

**March 4th:** 2nd semester students visited National Gallery of Modern Art as part of case study for Design Studio project.

**March 11th:** 4th semester students documented four Modernist Architecture buildings of Bangalore as part of History of Architecture curriculum.

**March 16th:** 2nd semester students visited timber yard and factory as part of Building Construction and Materials.

**March 21st:** Guest lecture by Dr. Sunil Kumar Tengli on Design of Grillage Foundations.





### Industrial Visit (IMTEX 2017 & Tooltech 2017)

The School of Mechanical Engineering organized industrial visit to IMTEX 2017 & Tooltech 2017 in Bangalore International Exhibition Centre, Bengaluru. The exhibition was held by over 1000 exhibitors from 26th Jan 2017 to 1st Feb 2017. The group participation this time around is from 8 countries: China, Germany, Spain, Italy, USA, Taiwan, Czech Republic and India. Tooltech manifests recent innovations in technology, design and product development to achieve competitiveness and excellence in the machine tool industry. Around 200 students with 9 faculty members visited on 1st February 2017. The main aim of the visit was to observe and interact with industry experts from different countries. The students got exposure to different manufacturing aspects like production and robotics etc.



### Introduction to ERP using SAP

The Department of Mechanical Engineering in association with SAP Student Academy organized two day workshop on "Introduction to ERP using SAP" on 17th and 18th February 2017 by Mr. Vijay Babu. Students of 6th semester from the School of Mechanical Engineering, REVA University were the participants. They got to know about the working model of ERP system using SAP and gained the knowledge of various modules in SAP like MM, purchase, logistics, finance and HR.





### Jnana Vignana Tantragnana Mela – 2017

6th Semester students of Mechanical Engineering along with faculty members presented their innovative project work in “Jnana Vignana Tantragnana Mela – 2017” which was held on 20th and 21st February in “Sri Adichunchanagiri Mahasamsthana Math, Sri Kshetra, Adichunchanagiri, Nagamangala Taluk, Mandya District. The projects were on E – Bicycle and Solar mini refrigerator.



### Workshop on “Agile Methodologies”

A workshop on “Agile Methodologies” was conducted by the School of C&IT on 18th February 2017.

The workshop (SDP) was aimed at bringing awareness about Agile SDLC model, which is a combination of iterative and incremental process models with focus on process adaptability and customer satisfaction by rapid delivery of working software product. Agile Methods break the product into small incremental builds. The workshop was led by WgCdr Haridasnair (retd), Agile coach, TCS Bangalore.

### Technical talk on “Fundamentals of Digital Image Processing”

The School of ECE organized a technical talk on Fundamentals of Digital Image Processing on 23rd February 2017 at Aryabhata Seminar Hall for VI Semester students. Dr. Mallikarjuna Kodabagi, Professor, School of C&IT, REVA University was the resource person. He gave an insight to the importance of image processing. He started with fundamentals of image representation and some of the image processing techniques. He briefed upon image sensing, image restoration, image enhancement, morphological operations, image segmentation and color image processing. Professor Kodabagi also enlightened the students on some of the applications of image processing. Students gained good exposure in the field of Digital image processing and its applications and showed great interest to take up projects based on image processing.





### ISTE Workshop on CMOS, Mixed Signal and Radio Frequency VLSI Design

The School of Electronics and Communication Engineering inaugurated two week short term training program on “CMOS, Mixed Signal and Radio Frequency VLSI Design” on January 30th 2017 in the QEEE Lab. This ISTE STTP was organized from 30th January to 4th February 2017 by the School of Electronics and Communication Engineering in collaboration with IIT Kharagpur and IIT Bombay. It was 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 faculty who wish to teach this subject in their academics.

Through this STTP, the participating teachers completed the equivalent of two-week full time work online, spread over six physical weeks where video lectures and assignments were uploaded beforehand. Offline assignments were uploaded and the participants completed these assignments within a stipulated time.

### Workshop on “Implementation of Wireless Sensor Network Using Arduino and XBee”

A two-day workshop on “Implementation of Wireless Sensor Network Using Arduino and XBee” was conducted on 12th and 13th February 2017 by the School of ECE. The resource persons for the workshop were Dr. Sunilkumar S. Manvi, Dr. Rajashekar C. Biradar, Prof. Manjula R. Bharamagoudra, and Prof. Md. Tauseef. The audience comprised of UG and PG students of REVA University and other institutions.





### Elite Racing 2017 (EK 15)

Aryan Racing Team is an official racing team of REVA University. The team consists of 20 student members from the School of Mechanical Engineering studying in various semesters. The team is guided by two faculty members of the school, Mr. Varadaraj K R and Mr. Santhosh B Deverappa.

The team has participated in Elite Racing 2017 (EK 15); Elite Racing is a subsidiary of the Elite Techno Groups which hosts racing events in different categories such as Go-Kart racing, All Terrain Vehicle races and Formula one prototype races. The event provides a platform for participants to learn how to make racing machines, build it and then race against each other.

EK 15 is a racing extravaganza where undergraduate participants learned the basics of designing a go-kart, design a virtual prototype of their racing kart, build and optimize it and then finally race it on the racing track. Racing was held on the RPM racing track at Bhopal, Madhya Pradesh from 13th February to 21st February 2017. The event gained mass popularity with 168 teams participating from 16 different states of the country.

REVA University team was able to secure the 6th place in the overall competition.



### Super Achievers Summit 2017

The students of VI Semester B.Tech Mechanical Engineering had been taken to attend Super Achievers Summit 2017 which was organized by INDIAN STARTUPS. The objective of summit was to learn about business growth, high performance, marketing, sales, frameworks and leadership skills. The students were trained by leaders from around the world, including USA, Denmark, Australia, Canada, Singapore etc. The students got exposure:

- To build, grow and monetize the idea of field of study.
- To make great decisions easily in troubled time.
- To think about crating compelling relationships in career.
- On stock trading secrets and how to apply them to immediately improve results.



### Technical Talk by Mr. Dennis Knight

The School of Mechanical Engineering and ASHRAE & ISHRAE Student Chapter REVA had organized Technical talk on “Developing an Integrated Personal Management System to help get things done” by Mr. Dennis Knight, P.E. Founder and Chief Executive Officer, Whole Building Systems, LLC, USA on 1st March 2017 for the students of Mechanical and Civil Engineering schools. The students from Sai Vidya and Nagarjuna Colleges also participated in the event. The programme began with a welcome by Mr. Alen, secretary ASHRAE student chapter REVA. He briefed about the activities conducted under ASHRAE/ISHRAE student chapter. Dr. Ramalinga Reddy, Associate Dean (C&ME) spoke about importance of technical talk and activities conducted under student chapters. Dr. K S Narayana Swamy Director, School of Mechanical Engineering, also presided over the talk.

Mr. Manoj, President ISHRAE Student Chapter REVA University, introduced the speaker. Mr. Dennis Knight spoke about time management and tools required for execution of the work. He highlighted importance of planning, data collection, and communication through mails, work execution and follow up. The program ended with vote of thanks by Mr. Vishwanath, SGCWC member, ISHRAE Student Chapter REVA.

After the talk Mr. Dennis visited various labs of the School of Mechanical and Civil Engineering. He appreciated the developments happening in the University. The whole programme was coordinated by Prof. L R Jagadeesh, coordinator, ASHRAE & ISHRAE Student Chapter REVA.



### Technical Talk by Dr. Bangalore Sureshwara

The School of Mechanical Engineering organized Technical talk on “Mechanical Engineering in Aerospace” by Dr. Bangalore Sureshwara, former scientist, NAL Bangalore on 7th March 2017.

Dr. Bangalore Sureshwara has been actively involved in the study of application of Ramayana, Mahabharata, Bhagavad Gita and Vedic Astrology in modern life. He has 55 years of experience in teaching at various universities in USA and extensive industry experience in many areas of Civil, Structural, Fire Protection, Mechanical and Aerospace Engineering

He addressed around 250 students of Mechanical Engineering, briefed about various opportunities in Aerospace Engineering, Mechanical Engineering and other fields of Engineering.



### Technical talk on “Building Electronics Circuits for Real life Applications”

The School of ECE organized a technical talk on “Building Electronics Circuits for Real life Applications” on 18th March 2017 PM at ECE School Seminar. Mr. Somsing Rathod, Scientist 'E' LRDE, Defense Research & Development Organization (DRDO), Bengaluru was the resource person. He started the session with an introduction to analog and digital electronics. He briefed about identification of active and passive components, how to identify them and where these should be used. He discussed about static and dynamic power dissipation with respect to frequency with real life examples. He stressed upon the fundamental concepts and its importance in designing digital circuits. He made students to design a simple regulated power supply and to modify the design according to the requirement. Mr. Rathod continued the session with “how to read the data sheets” and its importance in designing any of the circuit or application. He gave an opportunity to the students, to touch and feel a silicon wafer which was designed by him. The students felt the session very informative and interesting.

### Talk on “Life Empowerment”

The School of Management Studies conducted a talk by Mr. Harish R, CEO, KM Global Techmanage Services on “Life Empowerment: How do Management students face the real World?” on 21st March 2017. The focus of the talk was to give a picture of Corporate World, the working of real business and how the Management personality has to be built. The speaker touched upon Self Confidence, Communication, Team work, and How being creative will gain good branding. He also spoke on making one's CV the most preferred pick by the employer.





### Technical talk on "Pointers in C"

The School of ECE organized a technical talk on "Pointers in C" on 2nd March 2017 for IV Semester students. Prof. Akram Pasha, Associate Professor, School of C&IT, REVA University was the resource person. He briefed about the differences and the relation between the arrays, data structures, stack and linked list with examples. Later he continued with the concept of pointers and their usage in efficient usage in programming. He gave an insight on the application of these concepts in real time. The session was interactive and students expressed their desire to have more of similar sessions.



### Blood Donation Camp

Mechanical Association for REVA Students (MARS) along with School of Civil Engineering in association with Rotary Club, Yelahanka and Kempegowda Medical Service Trust, Yeshwantpur organized a Blood Donation, Dental Checkup and Eye Checkup camp on 17th March 2017. A total of 596 Units of blood was collected and over 400 people utilized the Dental and Eye check up services.



## Electric Solar Vehicle Championship (ESVC) 2017

A team consisting of students from the School of Mechanical Engineering, Electrical Engineering, Electronics and Communication Engineering under the guidance of two faculty advisors from the School of Mechanical Engineering participated in Asia's biggest solar vehicle championship "Electric Solar Vehicle Championship (ESVC) 2017" held at Shri Vishnu Engineering College For Women, Vishnupur, West Godavari District, Bhimavaram, Andhra Pradesh from 28th March to 2nd April 2017 and was able to secure 47th Place in the competition.



## 2-Day FDP on "National Instruments Analog Discovery2"

The School of ECE organized two day FDP on "National Instruments Analog Discovery2" on 23rd and 24th March 2017. The Analog Discovery is a pocket-sized device that transforms any PC into an electrical engineering workstation. Analog Discovery lets one build and test analog and digital circuits in any environment with the functionality of a stack of lab equipments. The USB-powered Analog Discovery2 lets you measure, visualize, analyze, record, and control mixed analog and digital signal circuits of all kinds. It's small enough to fit in your pocket, but powerful enough to replace a stack of lab equipment. Driven by the free original WaveForms software, the Analog Discovery digital oscilloscope lets you build and test analog and digital circuits in virtually any environment, in or out of the lab.

The inaugural session of the workshop was presided by Dr. R. C. Biradar, Director, School of ECE, Dr. Venkat Siva Reddy, Professor, School of ECE, Mrs. Savitha P.R, Associate Prof. and FDP Coordinator. Certified NI trainer, Mr. Manimaran, Sr. Applications Engineer, VI Solutions was the resource person.

Dr. Biradar termed the program as the stepping stone to a new beginning. He expressed that by exposing the students to state of the art simulation tools we can teach them the importance of performance evaluation which will direct the students towards research. He expressed the view that the seed of research thoughts should start at UG level and Private Universities have a great role in this direction.

The industry academia gap should be bridged by Universities like us and setting up Virtual Instrumentation lab serves the very purpose. The scope of hardware experimentation is limited which can be overcome by using Simulation tools. National Instruments is bridging the gap by using NI platforms like Analog Discovery2. Dr. Venkat Siva Reddy also shared with the audience his experience of using Analog Discovery2 in Texas Instruments workshop recently.



### Talk on “Art of Writing Research Papers & Project Proposals”

The School of Management Studies conducted a talk on the “Art of Writing Research Papers & Project Proposals” on 25th March 2017 by Professor S Settar (Emeritus Professor). The objective of the programme was to bring in awareness of various details to be kept in mind while writing a research paper and outlining pleasures & pitfalls of presenting in the form of a report with the help of characteristics examples & activities that serves as practical guidance.

The participants for the event were mainly scholars of various universities. The scholars were benefitted by the talk & expressed their desire to participate in such activities in future.



### Seminar on “Disruptive Innovation in Start Ups”

A power packed seminar on “Disruptive Innovation in Start Ups” for MBA Students and faculty members was arranged on 18th March 2017 by the School of Management Studies. The seminar was aimed at inspiring the students towards the concept of Disruptive Innovations and significance of innovations and startups in the development of our economy. The seminar was aimed at igniting the young graduates with the inspiration from eminent industry experts.

In a highly interactive session, the first speaker, Sriranga Sudhakara, MD of Vyoma Technologies, spoke on Leading a Start -up. He shared with audience that setting up a start up requires skills, knowledge and high emotional quotient to bear the ups and downs in life.

The next speaker, the VP OF Xerox Services, shared his story of how he had hired 35 engineers for his start up paatshaala.com. He focused on the skills required to be a successful entrepreneur and the importance of financial forecasting and issues of financing in start up ventures. The session ended with the presentation on 'Seizing the Opportunity' by Usha Mohan, MD Triumph India Software Ltd. She said that having good ideas is not enough but executing them well is equally important and shared her journey as a business woman. She emphasized on the importance of learning from

mistakes in entrepreneurship and motivated the students to initiate their career with a start up which provides the best learning ground.



### Panel Discussion on “Union Budget - 2017”

The School of Management Studies, conducted a Panel Discussion on “Union Budget - 2017” on 4th March 2017. The event was conducted by REVA University in association with ASSOCHAM, Karnataka Chapter.

The panelists included a set of distinguished persons from various fields and backgrounds. The eminent panel members were Sri. KishorJagirdar, CMD, Infopace

Management Pvt, Ltd, Sri. SrinathBirur, Convener-Skills Committee, ASSOCHAM, Ms. Nupur Tandon, Director, Pro Waste Concepts Pvt Ltd and Sri. Jagadish Ahuja, Director, PCS Securities Ltd. Honorable Chancellor of REVA University, in his presidential remarks, stressed the need to understand the importance of knowing the budget, and how students can get the insights of how Government Revenue works. 600 Students of MBA & BBA, along with faculty members from various schools of REVA University participated enthusiastically and posed interesting questions for the panel members to answer and explain.





## Programs offered by REVA University - Research Program

### UG Programs

- ◆ B.Tech.
- ◆ B.Arch.
- ◆ BA LL.B.
- ◆ BBA LL.B.
- ◆ B.Com.
- ◆ B.Com. (Hons.)
- ◆ BBA
- ◆ BBA (Hons.)
- ◆ BCA
- ◆ BS
- ◆ BA (JEP)

### PG Programs

- ◆ M.Tech.
- ◆ MBA
- ◆ MCA
- ◆ MS
- ◆ M.Com.
- ◆ MA in English | Journalism & Communication
- ◆ M.Sc. in Biotechnology | Chemistry | Biochemistry | Physics | Mathematics
- ◆ M.Sc. M.Phil (I)
- ◆ M.Sc. Ph.D (I)



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