

SPARKUP

RKU NEWSLETTER, ISSUE 12 | 1st NOVEMBER, 2016

(Year : 3) (Pages : 5) (www.rku.ac.in/sparkupnewsletter) (Date of Publication 1st of Every Month)



ORGAN DONATION DAY

13th August is organ donation day. RK University organized a series of activities and events to bring awareness regarding the burning, vital need of the nation. Every day on an average, 15 and yearly 5,00,000 people die in India, deprived of organ in case of organ failure.

In RK University, this noble act was inspired and ignited by Mr. Denish Patel, The Executive Vice President, RK University. It was directed by Dr. Priyanshu Rathod, Dean, Faculty of Medicine and by Mr. Yash Chawla, Head of Public Relation Office, RK

University. Students from various schools of the University participated and executed these series of activities on 12th and 13th August 2016. Students from School of Physiotherapy and from SHWET club, RK University did canvassing to bring awareness for organ donation among people.

On campus canvassing was done on, 12th August 2016 morning at RK University. On 13th August morning, organ donation canvassing was done at Race Course ring road among, active and health conscious people of Rajkot.

Apart from these, a pleading and appealing message was taken to public through a thematic dance performance and a fitness promotion program. It was held on 12th August at RK University campus and on 13th August at Crystal Mall, Rajkot. An introductory speech to preface the act of organ donation was given by Dr. Chandani Parsania, faculty, School of Physiotherapy, RK University. A heart touching message was delivered by a theme based contemporary dance performance by students of D'Dazz dance club, RK

University. It was followed by a fitness promotional program lead by MZ fitness trainers' team. It was kept open for all. Public of Rajkot, present in city's one of the most crowded mall, participated and moved with rhythm of Zumba. "Satayu", a foundation working on the same act collaborated with RK University. Mr. Maulik Shah, the representative from the foundation has taken a presentation for students at the University. The entire act and events were coordinated by Prof. Dr. Chandani Parsania, and Prof. Ashwin Raiyani, Faculty of RK University.



Engineering Students qualify for National Level "IT OLYMPIAD 2017"

A National Level open competition for Degree & Diploma Engineering students and IT Professional, "IT OLYMPIAD 2017" has been organized by Rotary Club of Pune. Competition was structured in 5 rounds, in which students from Computer Engineering & Information Technology departments at School of Engineering, RK University, have participated under the guidance of Prof. Kapildev Naina.

Following students performed very well in the initial round and have qualified for the further rounds of the competition.

VISHAL KACHALIA
KISHAN SAGAR
VINIT MANIYAR
MAHEK PANCHMATIA
HIMALAY DOBARIYA

We would like to wish them all the luck and success.

STUDENTS OF SCHOOL OF PHARMACY EXCEL AT STATE-LEVEL PHARMA EVENT

Disha Patel & Yash Sodha, 5th Sem B. PHARM. students of school of Pharmacy, R



K University, secured 1st rank in medicinal formulation development competition held at, Atmiya Institute of Pharmacy, Rajkot, on 16th and 17th September, 2016. Both have prepared "Pharma Recipe" of castor oil emulsion (CASTROPHIL). As well as Yash sodha secured 1st rank in Pharma Innovation competition. He has prepared working model of Spinal cord. Hundreds of Number of students has participated in event from different pharmacy colleges. On behalf of School of Pharmacy and entire RKU family we heartily congratulate both the students on their achievement.

Google's Applied CS with Android with Vijay Chavda

There is nothing that a code cannot do. This was proved in the 6-week long workshop on Google's Applied CS with Android which was facilitated by Vijay Chavda, 7th Semester Computer Engineering, SOE. Around 35 students from India were selected as facilitators who were trained for this course, sponsored by Google at Mumbai. During the 6-weeks of the



course conducted at RK University, students from CE, IT and MCA had enrolled. This course is designed for university Computer Science students to enhance various concepts from their curricular work and focusses on concepts from Data Structures & Algorithms, Artificial Intelligence, using Android as a platform. Self-study and course related materials were provided by Google and students were enthusiastic to learn. Discussions and ideas were shared among the students, and interactions made the workshop fruitful. Students earned their certificates provided by Google after completion of the course. This was one of the many opportunities that RK University has brought for the students to enhance their skills.



School Of Diploma Studies organized an industrial visit at Yudiz Solutions, Ahmedabad for Computer Engineering students

Yudiz Solutions (A-6, First Floor, Safal Profitaire, Nr. Ramada Hotel, Corporate Road, Prahlad Nagar, Ahmedabad) is a multinational company working in several areas like web development, mobile app development, logo Design, web designing, web hosting and other services in Ahmedabad. They also work for project training on several latest technologies like Advanced PHP, Virtual Reality, unity game development, .net, mobile app development training on I-phone and



Android. During the course of interaction, 19 students along with 1 faculty member got knowledge about the current situation of IT engineers, Industries and Scope, also lot of weightage on the open source softwares and programming languages like Advanced PHP, Java, Android, .Net, UX/UI. They shared his ideas about freelancing and also about the new technologies in Virtual Reality etc. Also he reacted positively against many queries asked by the students. Student learnt latest facts related to IT sector. During the course of interaction, students got to know a lot about the current situation of IT engineers and Industries. Also various posts and duties of Employees and also they discussed the recruitment process of various IT sectors and what is required to get a chance to do job as a fresher.

Expert Talk on "Search Engine Optimization" at School of Engineering, RK University

Mr. Vivek Sancheti, EYUVA Technologies, Rajkot has delivered an active expert talk on "Search Engine Optimization" at School of Engineering, RK University on 12th September, 2016. Expert talk was delivered by Mr. Vivek Sancheti who is owner of. Mr. Sancheti has introduced himself very briefly. Then he presented that what is the mission of Search Engines, the human goals of Searching, determining a Search Intent, how people search, How search engines drive Commerce on the web. He had nicely explained various aspects to be kept in mind while searching in the search engines.

He has covered the reasons why some websites come very first. Before implementing SEO in website or blog, what thing need to know for better optimization so that page get good traffic. He has demonstrated how things are implementing in SEO. As a developer of

your own website/blog, how to determine search objectives and defining your site's audience, keyword research list etc. has explained very well with example. In limited duration a lot of technical knowledge was shared among students by Expert. It was highly beneficial and all the students expressed their gratitude to Expert for their presentation and sharing their valuable time. More than 80 students of CE/IT/MCA department have actively participated in this session.



Prof. Arjav Bavarva: Reviewer of ICACCI 2016 International Conference, sponsored by IEEE

Every year, International Conference on Advances in Computing, Communications and Informatics (ICACCI) has been organized. 5th international conference ICACCI 2016 was held on 21 to 24 September, 2016 at The LNM Institute of Information Technology, Jaipur, Rajasthan, technically sponsored by IEEE SMCS Technical Committee on Soft Computing, IEEE ComSoc Internet Technical Committee (ITC) and IEEE ComSoc Technical Committee on Green Communications and Computing (TCGCC) and co-sponsored by IEEE Communications Society and IEEE Systems, Man, and



Cybernetics Society. The Conference is indexed by DBLP since 2012 and by SCOPUS and Web of Science (THOMSON REUTERS Conference Proceedings Citation Index) since 2013. The proceedings will be published by IEEE Xplore as well as other Abstracting and Indexing (A & I) databases. Prof. Arjav A. Bavarva from Department of Electronics & Communication, School of Engineering, RK University was appointed as one of the reviewer of ICACCI 2016. He reviewed five research papers related to Wireless Sensor Networks and Wireless Communication domain.

Diploma Electrical engineering students visited Divine pumps

Students of Diploma Engineering (Electrical) visited Divine Pumps to know in-depth about working, assembly, types and criteria of designing, applications & testing of submersible pumps. Specifications of various types of pumps, their

manufacturing, windings and its connection with the supply were also demonstrated by Mr. Nitin Khunt from Divine Pumps. Prof. Dhara Kalola & Prof. Riaz Israni had accompanied the students on this industrial visit.



An Expert Talk on "Office Manners and Business Etiquette" School of Engineering, RK University

Mr. Avijeet Banerjee, Regional Operational Manager (Gujarat), TCS, Gandhinagar has delivered an active expert talk on "Office Manners and Business Etiquette" at School of Engineering, RKU. Students of CE/IT/MCA had attended the session, and got a deep sense on kind of skills that are important for the industry along with technical skills. Also, students got an idea on the importance of behaviour & attitude in their career. Business etiquette such as email etiquette, phone etiquette, interview

etiquette, social etiquette, dinner etiquette etc were also elaborated during the session. The program concluded a very interactive Q&A session.



Industrial Visit at Tulsi Industry Pvt. Ltd., Metoda GIDC, Rajkot

An Industrial Visit at Tulsi Industries had been organized by the Department of Mechanical Engineering under School of Engineering of 2nd August, 2016 for 3rd year students of Mechanical Engineering with 6 faculty members. Tulsi Industry is basically well popular in the field of Metal Casting. Several Automobile parts like Fuel Pump & Accessories are being casted through different casting methods and finished in VMC automation techniques. Students observed entire Sand Casting Process from basics with post casting machining process through automation tools. Total

180+ Students were part of the visit who got the benefit to face to face conversation with the supervisors and operators there. Students also visited the Material Testing laboratory at last where finished products are being tested in Microscopic Level before dispatching.



INDUSTRIAL VISIT REPORT

A one day educational visit to Radhe Engineering Co., at Bhojapara village, Gondal was organized for 3rd year Agricultural Engineering, SOE students on 16th September, 2016. The visit planning was initiated by Dr. Surya Nath along with the Head, Department of Agricultural Engg. Dr. Kartik Kothari. A small welcome session was held. Mr.



Vijay Kalavadia CEO of Radhe engineering Co. accompanied through the visit. The team of 32 students along with 2 faculties, Dr. Surya Nath and Hina Bhatu were taken to the Briquette plant. The visit was very helpful as it helped in partial fulfillment of the practical work of the syllabus.

Radhe Engineering Co. is the core company of Radhe Group of Energy mainly engaged in the Research and Development, manufacturing and marketing of non-conventional and renewable energy equipment like biomass Briquetting plant, biomass/coal gasify system and other energy equipment. Mr.

Vijay Kalavadia explained about process of briquetting it is a densification of biomass or crop residues to increase its bulk density, lower moisture content, uniform size and shape for easy handling, transport, storage and uniform burning. Groundnut shell, castor seed shell/stalk, sugarcane baggasse, wood dust, cotton stalks, leaves from orchard and shrubs and



lot more are used as raw material, in raw material, the moisture content is not more than 10% and size maximum 20mm. Lignin is present in the biomass which used as a binder. The Capacity of briquetting plant is 1500kg/hr. Briquette is in cylindrical shape with 90mm dia. It is used in various industries like gasifier system application, ceramic industries, chemical industries, food processing industries etc. With sheer co-operation of CEO, Radhe Engineering Co., visit was smoothly undertaken. Students not only gained knowledge but also enjoyed the pleasant atmosphere during the visit.

Expert talk on 'Thermal Energy Driven RO System & Multiple effect water distillation (MEWD)' Under the Banner of The Institution of Engineers, India

An Expert Lecture had been organized by the Department of Mechanical Engineering entitled 'Thermal Energy Driven RO System & Multiple Effect Water Distillation' on 10th-Sep-2016 under the banner of IE (India) by Dr. Anurag Mudgal (Associate Professor, School of Technology) from the Pandit Deendayal Petroleum University, Gandhinagar, Gujarat. He elaborated on Thermal Energy Driven Reverse Osmosis Process to get the Fresh and Pured water. In this century, the shortage of fresh water may rival or surpass the shortage of energy as a global concern for humanity. Many of the existing processes for producing fresh water from seawater (or to a lesser degree, from brackish water) require massive amounts of energy. Reverse osmosis (RO) is currently the leading desalination technology, but it is energy intensive and still relatively inefficient due to the large pressures required to drive water through membranes and their tendency for fouling. Multiple-effect distillation (MED) is a

distillation process often used for sea water desalination. It consists of multiple stages or "effects". In each stage the feed water is heated by steam in tubes. Some of the water evaporates, and this steam flows into the tubes of the next stage, heating and evaporating more water. Each stage essentially reuses the energy from the previous stage. The tubes can be submerged in the feed water, but more typically the feed water is sprayed on the top of a bank of horizontal tubes, and then drips from tube to tube until it is collected at the bottom of the stage.

This technique can be easily implemented in Costal Areas to get the fresh water and a good of research scope is there in design improvement and manufacturing of it.



One-day Workshop on "Angular JS" by Mr. Jinal Shah at School of Engineering, RK University.

Mr. Jinal Shah, Co-Founder of Brainoorja Creations, has conducted one-day workshop on "Angular JS" for the students of CE, IT & MCA at School of Engineering, RK University on 30-September-2016. This one-day workshop on "Angular JS" organized under ISTE student chapter. The event was scheduled from 9:00 AM to 2:30 PM. The workshop agenda included a complete hands-on session on HTML5, CSS and Angular JS. The students were instructed to come along with their personal laptops and coded along by building a small application. Mr. Jinal Shah has started the session with interesting fact about why Angular JS is so much popular in today's modern era technology. Again made clear distinction between the usage of Node JS and Angular JS. Expert stated: "AngularJS, the super-heroic JavaScript framework, simplifies many of the challenges associated with developing single-page web applications. It is one of the hottest front end

framework in the world right now." Hands-on session starts with basic installation of Angular JS on machine along with its essential configuration. During the Workshop, expert has covered the topics like, AngularJS2.0 with its demand and popularity, typescript, component and nesting component, string interpolation, method binding, property binding, Data pipe (Inbuilt and custom), 2-way binding component, basic Routing with Angular 2.0 and web-services and CRUD Operations. More than 80 students of CE/IT/MCA department have actively participated in this workshop. At the end, quite interesting Question-Answer session conducted to clarify student's doubts on topics.

At the end of workshop, students are quite confidence about creating a front-end application using Anjular JS. The workshop was organized under the guidance of Dr. Amit Lathigara (HOD - CE/IT/MCA). This event was coordinated by Prof. Nirav Bhatt & Prof. Ashwin Raiyani.



AGRICULTURE ENGINEERING STUDENTS VISITED SEWAGE TREATMENT PLANT

A one day educational visit to Sewage treatment plant at Raiya village, Rajkot was organized for 3rd year Agricultural Engineering, SOE students on 30th July, 2016. The visit planning was initiated by Dr. Surya Nath along with the Head, Department of Agricultural Engg. Dr. Kartik Kothari.

A short welcome session was arranged. Students are addressed with certain rules and regulations to be followed. One of the faculties of S.T.P accompanied through the visit. The team of 18 students along with 3 faculties, Dr. Surya Nath, Hina Bhatu, Vipal Mansuriya, visited the sewage treatment plant.

Mr.yagnik, staff member of S.T.P was explained about plant process. The capacity of this plant is 51 MLD (million liter day) and it is aerobic type and based on gravity effect no pump is used in whole plant. The waste water treatment divided in two parts a) primary treatment b) secondary treatment. Waste water is collected from the Rajkot city by a different pumping station and treated at this place. By the primary and secondary treatment removes the solid waste, organic and inorganic matter etc. and

after that recycled water is used for irrigation and sludge collected in sludge bad. A sample of waste water to measure the BOD,COD and turbidity of it.



With sheer co-operation of staff members, Mr. Joshi, Mr. Yagnik and Mr. Solanki, of sewage treatment plant, the visit was smoothly undertaken. Students not only gained knowledge but also enjoyed the pleasant atmosphere during the visit. The visit was helped in partial fulfillment of the practical work of the syllabus.

Basic Photography Workshop Organized by Pictza Photography club on 29/9/2016.

Pictza (a Photography club) has organized Basic Photography Workshop on 29/9/2016. This was very first workshop which was organized by Pictza Photography Club. Various departments of students & faculties had taken participation who wants to learn photography. In this workshop two wildlife & nature photography expert had came to guide. Among those expert one expert as well as key speaker was Dr.Sunil Moteria who is Urologist by Profession and wildlife & nature photographer by passion. He is in this photography line since 8 years. He had recognized and got various awards for his wildlife as well as nature photography. Another expert was Mr.Shamshersingh who is owner of Star Electronic by profession and wildlife,

nature & street photographer by passion. He is also in this photography line since 8 years. Expert had covered topic like exposor triangle including shutter speed, aperture & ISO. Expert had also shown their best picture which they had taken at various situation & condition. This workshop was organized with help of "Fotography Club Rajkot" which is a non-profit club for photographer who wants to learn photography. Both experts are key person of this Fotography Club Rajkot. Students and faculties who had taken part in it, those people got participation certificate. This workshop was handled by student founder of Pictza club, Mr.Bhagav Nandasana(Civil-SOE) & Mr.Vedant Dave(CE/IT-SOE) and faculty coordinator Prof.Jay Ghodasara(CE/IT-SOE).



Friendship day celebration with different concept

Every year the students of RK University take up a different concept to celebrate Friendship Day. Studying in a university, we always have friends, teachers, principals / directors to whom we interact regularly and their presence is felt by us. But, there are a lot of people working as support staff in the university, the presence of whom is

not realized (until they stop working). Hence the students lead by SHWET - An SOAC Club at RK University, went around the university tying friendship bands to all the support staff of the university. It was gesture of gratitude towards them, for staying behind the scene and support in smooth functioning of the activities of RK University.



A Summary Report of 1-Day workshop on "LARAVEL" for students of CE / IT / MCA Department

On 24th September' 2016, students from Computer/IT/MCA department had the opportunity to have handsom session on a popular free, open source

PHP web framework, Laravel. Mr. Siddharth Ghedia had conducted this successful workshop. Laravel is intended for the development of web applications following the recent approach of model "view" controller

(MVC) architectural pattern. There are three models that are inter-related to provide efficient and effective code. Laravel is a PHP framework for 'web artisans'. Technologies keep advancing and it is therefore the students who have to be at par with them. Computer and IT Department, School of Engineering, tries to find such opportunities for the students to brush up their skills with latest technology. SCHOOL OF ENGINEERING DEPARTMENT OF



CE/IT During the workshop, students were instructed about the setup and working of the framework, how to use commands over command prompt and interact with PHPStorm, security while transferring information to avoid 'Cross-site Request Forgery, etc., Mr. Siddharth Ghedia had helped and guided students during the workshop. CE/IT department, SOE, RK University

has been organizing such workshops to make the students aware of the opportunities that are in front of them. Head of Computer Engineering and Information Technology Department, Dr. Amit Lathigara had encouraged students to participate in such kind of workshop. 1-Day workshop on "LARAVEL" Faculty Coordinator, Prof. Kapildev Naina Student Coordinator, Brijesh Vora, Chirag Virani

Teacher's Day celebrated at SOP

School of Pharmacy, RKU, celebrated Teacher's Day on 5th Sept, 2016, as a continuation of their tradition over the years. 16 students, including those of 1st sem. B. Pharm., participated as "faculties" and took lectures in various semesters. Post lunch, the students paid tribute to each faculty by showcasing their journey on the basis of "interviews" of the faculties which they had conducted a week ago,

thereby lending true worth to this auspicious day. Pharma Treasure Hunt and 1-minute formed the fun-n-games part. Students also played the role of one-day Dean, Director and Class Counselors, for which they were interviewed by Dy. Director Dr. Devang Pandya. Events of the entire day were co-ordinated by Asst. Prof. Mr. Tejas Ganatra.



Celebration of 49th Engineers' Day at School of Engineering, RKU in association with The Institution of Engineers (India)-Saurashtra Local Centre on 15th-September-2016

In India, Engineer's day is celebrated every year on September 15. This day commemorates the birthday of the legendary engineer Sir Mokshagundam Visvesvaraya KCIE (popularly known as Sir MV) (1860-1962). He was a recipient of the Indian Republic's highest honor, the Bharat Ratna, in 1955. Internationally recognized for his genius in harnessing water resources, he was responsible for the successful design and construction of several river dams, bridges and the implementing irrigation and drinking water schemes all over India. He served as the dewan of the erstwhile Mysore State and was considered to be the architect of the all round development of his home state

of Karnataka. On this auspicious day, School of Engineering in association with The Institution of Engineers (India)-Saurashtra Local Centre celebrated with worthy presence of Er. Anupam Singh Gehlot (IPS, Police Commissioner of Rajkot) as the Chief Guest and Er. Anil Bhardwaj (IES, Director of Doordarshan Kendra, Rajkot) as the Guest of Honour. Er. Denish Patel (Executive Vice President, RKU), Dr. Ranjit Goswami (Vice Chancellor of RKU), Dr. Ajit Kumar Shukla (Director of School of Engineering, RKU), Dr. Kartik Kothari (Associate Professor and Head of Department of Mechanical Engineering & Chairman of IE (I) staff chapter of School of

Engineering, RKU), Head of other departments of School of Engineering, Faculty members & Engineering Students with the team of IE Corporate Members from Saurashtra Region.

The celebration had been started by the Prayer at 10:30 AM and welcome address by the Er. Ramesh Pipaliya (Honorable Chairman of IE (I), Saurashtra Local Centre, Rajkot) and Dr. Ajitkumar Shukla on behalf of RK University. Er. Grinij Haria delivered the speech on Theme entitled 'Skill Development for Young Engineers to Reform Core Sector in India-2025', after garlanding of the Portrait of Sir M. Visvesvaraya by the dignitaries. Er. Grinij elaborated the Challenges

and Opportunities for young engineers for development of the society by power point presentation with audio visual. Er. Anupam Singh Gehlot suggested to the engineering students that domain knowledge and soft skills having vital importance because skilled engineers are always demanded and even they are also being recruited in Police Department to minimize the Cyber Crime and other Internet/Social Media related frauds. Er. Anil Bhardwaj explain the importance of Skilled Engineers to develop the entire nation as the concept of Digital India. At the end Er. Sachhadev (Former Chairman of IE(I)) presented the vote of thanks on behalf of Local Centre of Saurashtra.



REPORT OF TEACHER'S DAY CELEBRATIONS

RK University has celebrated 'Teacher's Day' celebrations very exuberantly on 5th September, 2016 which is well known as Dr. Sarvepalli Radhakrishnan's birth anniversary and who is a great politician, philosopher, educator, inspirer and a great teacher. Students of final and pre-final year of Mechanical and Agriculture engineering decided to celebrate Teachers' day by cutting cake and felicitating the teachers. All the teachers of the department were invited and all together celebrated the event. Students and Teachers offered cake to each other. On this event student's expressed their feelings or gratitude towards the teachers by giving a small speech. They pointed out that every teacher is back bone of the society and the teacher can only change the future of the

student and country as well. They said "Success doesn't possess with ease but it needs great dedication, determination and hard work, the teacher is ultimate who can inject such attitude into the young minds". Naimish Khara from final year Mechanical Engineering had created a small poem on teachers which he shared during the event. At the last some teachers expressed their blessing by giving a small speech. Prof. Chetan Patel quoted the value of teaching profession, the role of a teacher in career building of the students and how a good student is a great source of country for the development. Dr. Suryanath from Agriculture department quoted that a student is a lifelong learner. Some glimpses of the photographs..?



ISTE staff chapter of School of Engineering and School of Diploma Studies, RK University

ISTE staff chapter of School of Engineering and School of Diploma Studies, RK University, Rajkot had jointly organized a session on Emotional Intelligence on 10th

brief introduction of him. Dr. Ketan Kotecha gave brief introduction on Emotional Intelligence and also stressed on the importance of Emotional Intelligence



September, 2016 for staff members. The session was conducted by Dr. Ketan Kotecha (Provost, Parul University). The function was inaugurated by Dr. Amit Lathigara (ISTE Chairperson & Head of Department Computer Engineering) by welcoming the speaker and giving

in personal life as well in professional life also. He gave various professional examples to show the importance of emotional intelligence. He also compared EQ with IQ. After the session Dr. Nilesh B. Kalani (Dy. Director, School of Engineering, RK University) delivered vote of thanks.

A one-day educational visit to Chirag foundry

A one-day educational visit to Chirag foundry, near aji dam, Rajkot, was organized for 3rd year Mechanical Engineering, SOE students on 23th September, 2016. The visit planning was initiated by Nipurn Rajguru and Pratik Parsania with the Head, Department of Agricultural Engg. Dr. Kartik Kothari. The company had arranged a small welcome session and treated with the hospitality. Owner of the foundry Mr. Chirag, accompanied through visit. A team of 87 students and 2 faculties



and 2 lab assistant, Nipurn Rajguru, Hina parmar, Lucky and Babu bhai were taken to sand casting foundry. The visit was very helpful as it helped in partial fulfillment of the practical work of the syllabus. Chirag foundry is a leading manufacturing of Cast Iron products. Mainly products of Chirag foundry are cylinder piston ring set, silent power generators, gas power generators and turbo chargers. They have facility of sand casting method, cupola furnace, lathe machines, shot blasting. Mr. Chirag and his

team member Kishor bhai has explain whole sand casting method. They have explained what are processing steps of sand casting method, which raw material is required for molding as well as melting practice. Along with that they have explain the construction of cupola furnace over there. Apart from that they have discuss all the safety issue also. With sheer co-operation of Chirag foundry, visit was smoothly undertaken. Students not only gained knowledge but also enjoyed the pleasant atmosphere during the visit.

Visit Outcomes:

With the help of industrial visit student will be able to
Identify the tools in foundry
Identify the defects in sand casting.
Memorize the steps of sand casting procedure ?
Recognize the furnace on basis of its structure
Choose the types of sand according to requirement.

EDUCATIONAL VISIT TO NIKOO FORGE PVT. LTD.

A one-day educational visit to Nikoo Forge Pvt. Ltd., Sapar-Veraval, Rajkot, was organized for 3rd year Mechanical Engineering, SOE students on 27th September, 2016. The visit planning was initiated by Nipurn Rajguru and Pratik Parsania with the Head, Department of Agricultural Engg. Dr. Kartik Kothari.

The company had arranged a small welcome session and treated with the hospitality. Director of Nikoo forge Mr. Mihir Donga and his employees Mr. Sarkar and Mr. Nirav, accompanied through visit. A team of 87 students and 2 faculties and 2 lab assistant, Nipurn Rajguru, Milan sanathara, Lakeeraj Bhensdadiya and Anil Patel were taken to Forging unit. The visit was very helpful as it helped in partial fulfillment of the practical work of the syllabus.

Nikoo Forge Pvt. Limited (NFPL) is company of Nikoo Group, manufactures various closed die forged and precision machined components from carbon and alloy steel and supplies to Indian OEM's & JV's and Exporters. NFPL engaged with Automotive, Oil & Gas, Farm Equipment, Earth Mover, Material Handling, International Railway and Several General Engineering Sectors. Since commencement of operations in 1996, NFPL is among the leading and technologically advanced manufacturer of

Closed Die Forged & Machined components from Veraval (Shapar), Rajkot, Gujarat, India, NFPL is ISO 9001 : 2008 & CRISIL Rated organization. They have facility of forge shop, QC laboratory, VMC machine, CNC machine, die shop, Magnetic particle test (NDT) and muffle furnace. Mr. Mihir, Mr. Sarkar and Mr. Nirav has explain whole forging process, steps and function of each machinery. They have explained colour coding method applied to raw material, which alloy element plays important role, why heat treatment is required after forging operation and defect generally found in forging operations.

With sheer co-operation of Nikoo Forge Pvt. Limited, visit was smoothly undertaken. Students not only gained knowledge but also enjoyed the pleasant atmosphere during the visit.

Visit Outcomes:

With the help of industrial visit (Nikoo Forge Pvt. Limited) student will be able to
Memorize the types of forging
Identify the type of forging machine ?
Understand the defects in forging operation.
Memorize the processing steps of forging operation
Understand the need of post forging operations



Expert session on "iOS Application development"

CE/IT/MCA department of School of Engineering, RK University has organized expert session on "iOS Application Development" on 8th September, 2016. CE/IT/MCA department organizing various seminar and workshop to enhance the student's skill towards new and trending technology. The expert session was organized to enhance the student's knowledge towards the iOS application development. Expert session was delivered by Mr. Prashant Halavadiya who is working as Senior Trainer at TOPS Technologies. Mr. Prashant has covered up fundamentals to develop iOS application from scratch to deployment. He had nicely explained various aspects to be kept in mind while developing the iOS applications. In session, he has covered iOS application architecture, Cocoa Touch framework, Concept of Objective C, various UI elements and deployment of

application. He has demonstrated development process of iOS application by putting necessary UI elements and code them according to application requirement.

He interacted with students and had a huge technical talk on various topics related to iOS development. During the session, there was quite interesting Question-Answer going on to clarify student's doubts on topic.

More than 45 students of MCA department have actively participated in this session.



Participation in three days IIEECP Pre-Certification Workshop

Prof. Gaurav Bhatt, CE/IT Department, SOE and Prof. Ravindra Dangar, Computer Department, SDS, have attended three days IUCEE International Engineering Educators Certification Program's (IIEECP) Pre-Certification workshop at Rajkot, July 20-22 at Atmiya Institute of Technology and Science. It was served as a beginning of transformation in individual teaching abilities as well as contribution to Outcomes Based Education. The topics covered in workshop were

formative evaluation, active learning strategies, effective course design, self assessment, project based learning and Outcome based education. The workshop was conducted by Sivakumar Krishnan, organizational Consultant - Education and Training, Hyderabad. Both participants have completed this workshop satisfactorily, and recognized as Pre-Certified for the IIEECP (IUCEE International Engineering Educators Certification Program) Certification.



EDUCATIONAL VISIT TO IMPETUS TERNOMATIC LTD (IMPEL)

A one-day educational visit to IMPETUS TERNOMATIC LTD (IMPEL), at C1/55, Road-D, Phase-1 Aji GIDC, Rajkot 360003, was organized for 7th SME Mechanical Engineering, SOE students during 30/09/2016 to 05/10/2016. The visit planning was initiated by Prof. Pratik Parsania with the Head, Department of Mechanical Engineering, Dr. Kartik D. Kothari. The company had arranged a small welcome session and treated with the hospitality. CEO Mr. Murtuza and his engineers Mr. Devang and Mr. Jaydeep, accompanied through visit. From department Prof. Pratik Parsania, Prof. Kaushal Gevariya, Prof. Dushyant Joshi, Prof. P. Murlinath & Prof. Jaydeep Kevadia accompanied with students during visit. Impel offers IS/IEC metric frame IM Series Motors in Cast Iron body construction. IM series covers output from as 0.18kW to 7.5kW in frame

size 63 to 132M in 2, 4 & 6 pole speeds. Available with IE2, IE3 Efficiency. Many applications often have adverse operating conditions including repeated starting and occasional overloading; the IM cast iron range is well suited to these situations. Impel offers IS/IEC metric frame Motors in Aluminum die cast body construction. These motors cater to the needs of the global customer for light weight and efficient motors with improved ventilation. The EX aluminum range covers products with outputs from as little as 0.18kW to 7.5kW in frame sizes 63 to 132M in 2,4 & 6 pole speed. Some of the benefits of aluminum over cast iron include high resistance to corrosion and atmospheric attack except chlorine, salt-laden or sulphuric acid and the fact that aluminum is approximately one third the weight of cast iron.



Industrial Visit at Atlanta Transformer, Anand (Gujarat)

An industrial visit at Atlanta Electricals Pvt. Ltd. at Anand (Gujarat) was conducted by total 31 students from semester 3 and semester 5 of Electrical Engineering department, School of Engineering along with two faculties Prof. Mayur Vaghela and Prof. Shyam Pankhaniya on 9th September 2016. The company deals with manufacturing and service of Power and distribution transformers since the year of 1983. Students were illustrated the step by step process of manufacturing and service of transformers within the company.

Atlanta Electricals Pvt. Ltd. Manufactures the transformers of rating ranges from 50 kVA to 100 MVA and has manufactured a transformer of capacity 160 MVA at the maximum. The company has developed a laboratory for testing of impulse wave on the transformers in its own premises. The company also

manufactures other types of transformers like Furnace transformers, Neutral Earthing transformers, Motor starting transformers, Dry type transformers. Company also deals with the manufacturing of mobile substation which is a substation with all the substation equipment and protective devices along with transformers mounted on a trailer. The electrical engineering department welcomes such fruitful industrial meets and offer regards to the company.

