

Infrastructure Improvement and Inauguration of Laboratory



First year Basic Electrical Engineering Lab is a added on infrastructure improvement from the department of Electrical and Electronics engineering, and inaugurated formally by the Principal, the Register, the HOD EEE in presence of all the staff members of the department.

Expert Talk on Robotics



The department of Information Science and Engineering has conducted Expert talk on the topic "Robotics" for the 6th A&B semester students at the Falconry Seminar Hall. The expert speaker, was Dr Anthony A. Maciejewski Head of the Department, Colorado State University and Professor Lisa Papas.

1st World Entrepreneurship Summit

1st World Entrepreneurship Summit was organized on 2nd Feb (Saturday) 2019 at New Horizon College of Engineering, main auditorium. It was organized in collaboration with MTC global and MBA department of New horizon college of Engineering. The theme of the summit was Social Entrepreneurship and Economic Development.

The Key Note Speaker for the program was Mr. Amarendra Sahu Co-founder and CEO Nestaway. The Guests of Honour were Mr. Pranab K Pani, Managing Director, Talendate beyond Borders Pvt. Ltd; Mrs. Lekha Sishta Vice President – Altruista Health, Talent Strategist, Convenor, CII, IWN- T, L & D, IIM-B, Alumnus; Dr. Zahid Haque, Chancellor: ASEAN University International, Jakarta, Professor of Medicine, Former, Advisor to the H.E Ambassador, of the Republic of Guinea in Malaysia; Mr. Ish Anand CEO – The Choice Foundation, Kochi, Founder & CEO at Relia Smart Learning Systems Pvt. Ltd.; Mr. KSM Mostafizur Rahman, Managing Director- National AgriCare Group; Bangladesh. The Chief Guests for the program were Barrister Shameem Haider Patwary, Hon.

Member of Parliament, People's Republic of Bangladesh; Vice Chairman, Board of Trustees, Dhaka International University, Bangladesh; Head of Chamber, Patwary Jurists and Associates. And Mr. Swapan Kumar Ghosh, Chairman & MD, Kharagapur Metal Reforming Industries Private Ltd. (KMRIPL), West Bengal

Two book launches were also done during the summit, the first one with the name, "The 10 Mantras of Entrepreneurship~ Initiating the Entrepreneurial Spirit", Authored by Shri Swapan Kumar Ghosh, Managing Director, KMRIPL, WB. And the second one, Born Smiling by Prof. K Ravi.



Motivational talk



On 9th February 2019, the event "Motivational Talk" was organized by the department of MCA to enhance student's confidence

and their interest to learn the emerging technologies. The speaker of the session was Mr. Ramakrishnan Kandasamy who has experience in IT for more than 9 years. He is currently working in Cognizant Bangalore as a Senior Associate. The session was held over for 2 hours where the speaker presented the introduction and a brief insight into the upcoming technologies which are going to play a major role in the imminent future and also showed the path to achieve that.

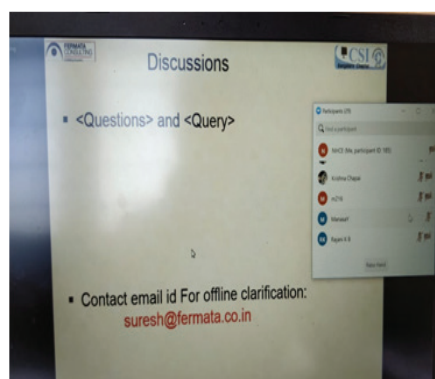
Mr Ramakrishnan explained the students about the importance of awareness regarding new technologies and the need to have basic knowledge of fundamentals of each subject and concepts that could be useful that could be asked for interviews in the companies. The session was continued as he enlightened the students with his positive thoughts and immense knowledge about the present scenario of IT industry.

Industrial visit to NAL

An Industrial Visit to NAL was organized by the department of MCA on the 21st and 22nd of Feb 2019 to enhance student's knowledge on advance technologies related to Computer Applications in Aeronautical Engineering. It was a half day visit by more than 150 students along with 4 faculty members. 21st Feb 2019 two batches of 4th semester MCA students visited and on 22nd Feb 2019 one batch of 2nd semester MCA students visited. National Aerospace Laboratories (NAL) is responsible for design, development, and testing of aircrafts. It does have ACOUSTIC TEST FACILITY for the ready launch vehicle of Satellite. Mr. Somanarayanan was the SPOC for the visit. He took us to show case all the facilities at NAL.



Project Management for student's project



Computer Society of India-Bangalore chapter organized Zoom tech talk on the topic Project Management framework and best practices in a student's project.

Speaker: Suresh Thiagarajan, Director (Quality and process consulting) - Fermata consulting.

Around 25 students from department of computer science and engineering

joined the meeting from different location. Few students assembled in classroom A104 and few were at Adobe lab.

Participants joined the zoom Meeting at the following URL

<https://us04web.zoom.us/j/732472406>

Speaker gave an insight of project management framework, Project management toolkit for student projects, best practices in project management of student projects and benefits during his session.



Coding contest

In order to enhance the employability skills and readiness of the VI semester CSE, VI semester ISE and IV semester MCA students, the CSI student chapter conducted the final round of "Coding contest in logic building" on 20.Feb.2019.

There were three levels in the contest viz level 1 simple questions, level 2 little complex and level 3 and final round more complex. The first two levels were conducted by the respective departments and the third level was conducted by the student chapter.

Students were awarded cash prizes and certificates.

1st place:

Rahul Jain (1Nh16cs086) -- CSE

Vinay Kumar Jaiswal (1Nh16cs122) -- CSE

2nd place:

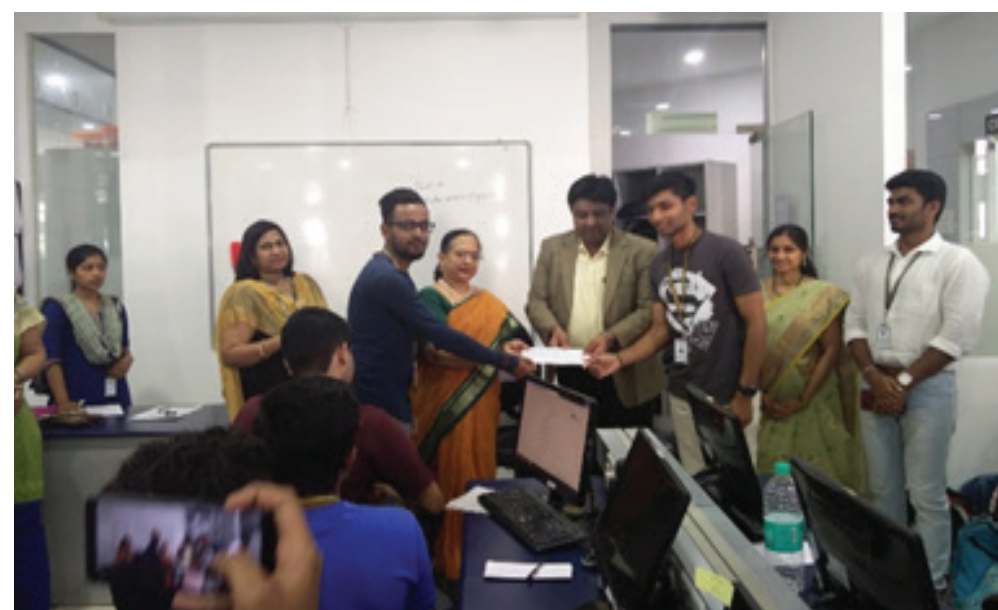
Deekshith D V(1Nh16cs028) -- CSE

Suhas Kamath(1Nh16cs754) -- CSE

3Rd Place:

Sriraksha(1Nh18mca77) -- MCA

Mohammed Azeez Khan(1Nh18mca66) -- MCA



Guest Lectures

List of eminent academicians and scientists/visitors to the department for academic session 2018-19

Resource Persons:

Mr. S Poorana Kumar, Senior Engineer (Electrical), Tata Consulting Engineers Ltd addressed 3rd Year students, on topic Auxiliary Power Distribution-Power Plant Engineering on 23-2-2018.

Ms. Pranitha palani, IELTS, addressed 6th & 8th semester students on Exploring Global Higher Education on 21-2-2019.

Mr. Prakash, from Vani Institute Bangalore, addressed 6th & 8th semester students on Various Opportunities and Advantages of GATE Exam on 14-2-2019.

Faculty Development Programme

Three day- Faculty Development Programme, from 29th Jan 2019 to 31st Jan 2019 in collaboration with INDO-FRENCH CENTER OF EXCELLENCE and SCHNEIDER ELECTRIC on “Industrial Automation using Schneider PLC” Hands on training. The FDP was inaugurated by Mr. Ravi Bhushan Singh General Manager – Industry and academic relations for Asia Pacific and Dr. Philip colonic, Director IFCEEAE, Dr.Manjunatha Principal, Dr.C.S.R.Prasahanth Dean Academics and Dr.Ramkumar, HOD/EEE. Many participants from various colleges in and out of Karnataka has participated.



Annual Staff Sports Meet-2019

New Horizon Educational Institute organized Annual Staff Sports Meet and the EEE department staff members won the events like Badminton, Basket Ball, Tough of war and Relay Race and received the memento from the Principal, the Register and the HR NHCE.



Motivational Talk



The session “Alumni Talk” was organized on 2nd February, from 10.15 AM – 12.15 PM at the Chanakya Seminar Hall. Mr Nadeem, currently working in Epsilon as a Quality Analyst was the Alumni (2015-2018 Batch) of the day from MCA department. Objective: To prepare students for the upcoming placements through his techniques and strategies which he used to get into the good IT company and also his experiences which he earned inside cooperate world so far.

Our department’s agenda has always been to grow parallel with the industry and thereby we have always been fortunate in calling the alumni of the NHCE who are working in best industries and companies for our events. Likewise, “Alumni Talk” has been given initiation by Mr. Nadeem. His motivating words and useful strategies towards cracking the interviews were really worth listening and appreciable. The students were interacted with the speaker even after the end of the session.



Expert Lecture On 'Data Structures'



An Expert Lecture was conducted on the 23rd of February, 2019 on "Data Structures" was conducted by Mr. Aswin Prabhu in our college campus to increase the knowledge on concepts of data structures and its usage. It was held for students of MCA 1st

year II Semester students and BCA 1st year II Semester students to provide an opportunity to know about the various upcoming technological trends and advancements in this field.

In computer science, a data structure is a data organization, management and storage format that enable efficient access and modification. More precisely, a data structure is a collection of data values, the relationships among them, and the functions or operations that can be applied to the data. Data Structure includes all topics such as Array, Pointer, Structure, Linked List, Stack, Queue, Graph, Searching, Sorting, Programs, etc. He explained all the types with real time examples. And he showed many C programs for implementing these types. Many C puzzles related to this topic are asked and students answered with interest.



Faculty Training at Bosch Training Centre, Naganathapura, Bangalore

A single day training program was attended by seven faculties and one lab instructor along with Dr Shridhar Kurse, Head of the Department, Automobile engineering at Bosch Training centre, Bangalore. The training was conducted by Bosch Resource people.

During this training the trainers shared their experiences which is associated to their work which is to continuously develop safe, versatile, and resource-conserving solutions worldwide. Bosch is the biggest machinery manufacturer and end users benefit from their multifunctional innovations, which are also designed for use in connected manufacturing environments.



The training ended with hands on experience in Car Diagnostics and test equipments, where the attendees were able to learn how ECU diagnosis can be done and how faults are detected and corrected. They also trained the attendees to see various wire diagrams in any vehicle through their software.

Guest Lecture on CFD Analysis in Automotive Industries in United Kingdom



A seminar was conducted on 9th of February 2019, final year students along with faculty coordinators participated in this seminar. The speaker for the seminar was Dr. Mark Quinn Professor Head, University of Manchester, United Kingdom. He is currently guiding young Ph.D. students in their projects.

The session was about the use of research tools and the application of CFD analysis in automotive industries in U.K. Dr. Quinn mentioned that CFD applications are not only limited to the specific field but also have been used by researchers in Mechanical engineering, Structural engineering, Aerospace and Management Sciences. He said "CFD is a tool, an extremely useful one, but not to be trusted implicitly or blindly. Research in CFD and Research where CFD is used as a tool in order to understand complex fluid behavior are separate entities."

He showed the attendees the various applications and project work analysis with videos. He explained about the fundamentals of his research using a model and explained that this model could be used to understand the correct direction of approach to his research. He also mentioned that in UK every sector especially automotive is more concerned towards research.

Industrial visit for students at TVS Hosur, Tamilnadu

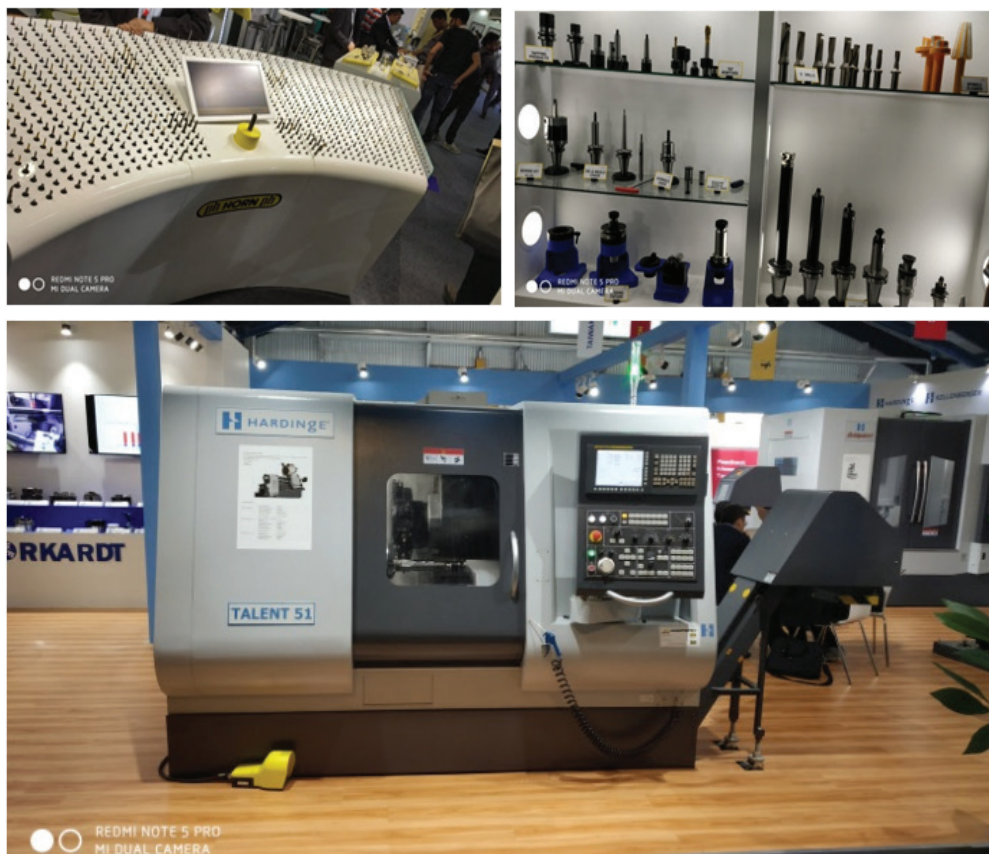
The industrial visit was conducted to TVS Hosur, Tamilnadu for the students of automobile engineering on 23rd and 24th January. The plant consisted of assembly line and R&D department. Students saw the automated assembly lines for TVS as well as BMW bikes (on behalf of an on-board collaboration project) at the plant. The engine technology of TVS was explained by the deputy general manager to the students and mentioned that how the students can learn and enroll for various courses regarding automotive technologies. This visit helped the students to learn about the functioning of an automotive industry.

This manufacturing premises consisted of 4 plants out of a total of 9 plants owned by TVS. In this plant, models like TVS Victor, Star city, TVS Radeon, TVS Apache 310RR, TVS Jupiter and the two BMW bikes, the G 310 R and GS 310R are assembled here whereas remaining vehicle segments like Apache 160, Apache 160 4v, Apache 200 4v are assembled in their Mysore Plant. The employees of TVS explained to the students that the manufacturing of the parts are fully automated and categorized based on the models.



A visit at Indian Machine Tool Exhibition (IMTEX), Bangalore

Indian Machine Tool Exhibition (IMTEX) conducted in Bangalore International exhibition center BEIC between the 24th and 30th of January 2019. IMTEX was organized by Indian Machine Tool Manufacturers Association (IMTMA) which is a premier event showcasing machine tool, accessories metrology and CAD/CAM cutting tool, tooling systems and current trends in tooling industry. The students of the Automobile dept got an opportunity to witness the exhibition which exhibited all the latest technology and advanced machinery. we visited this exhibition on the 29th of January 2019 from 1:30 pm to 3:30 pm. A wide range of CNCs and laser technologies was viewed by the students. this exhibition was conducted in BIEC. the exhibition was spread over 5 blocks with 4 blocks filled with various companies showcasing their developments in machinery and various products. this shows us the competition present in the market and the way the technology has improved and implemented over the past couple of months. this was indeed a great experience for all the students as a lot of demonstration of various technologies and machinery used in the process of manufacturing. the complexity that is used in these machines that was also demonstrated and learnt by students.



Faculty Achievements:



Prof. Sunil Prashanth Kumar, Assistant Professor
Dept of Automobile Engineering.
One patent filled on "Dual Cam Operated Drum Brake" Application Number: 201741018078.

Prof. Ankur Malviya, Sr Assistant Professor Dept of Automobile Engineering.
Papers got accepted for National Conference @ Bitcon 2019, BIT Durg, Chhattisgarh and Paper also accepted for International Journal: (February 2019)



Paper Details: "Analyzing of Acoustic Signatures of GMAW Welding Process to Monitor Weld Quality Using Python"

Abstract: Industries such as structural and manufacturing widely using gas metal arc welding (GMAW) as their basic purpose to join metals and non-metals. And it become an interesting area for researchers to check and control the quality of welding process so that they can deliver the products with superior quality with less defects as well as with the use of minimum man power. We cannot cut down man power to zero but we can reduce their efforts by making use of technologies in their process of welding. In this paper we have discussed the process of quality control for GMAW with respect to its input parameters mainly sound, current and voltage variations by using the open loop control.



Prof. DrSujin K Jose, Associate Professor Dept of Automobile Engineering

Papers got accepted for International Conference @ ICMBS 2019, Coimbatore, Tamil Nadu and Paper also accepted for International Journal: (February 2019)

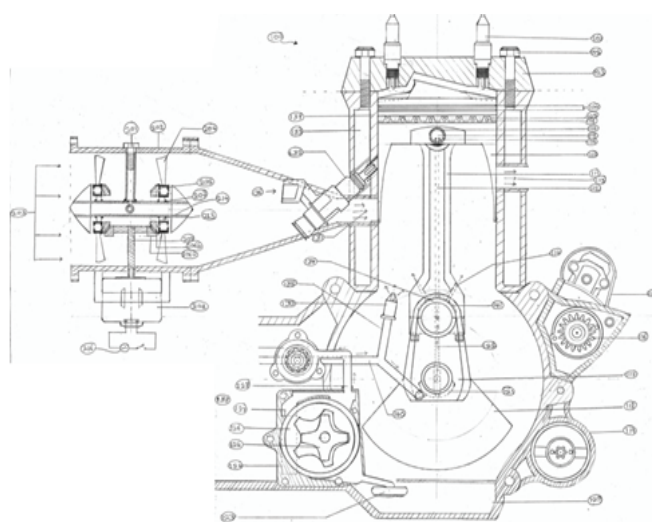
Paper Details: "Analysis of mechanical properties of bio-waste micro particles reinforced phenol formaldehyde composites"

Abstract: A characteristic study on the phenol formaldehyde (PF) composite was carried out based on the micro level bio waste particles such as wood sawdust (WSD) and coir pith (CP). Composite was characterized by mechanical properties such as tensile, flexural and impact at different percentages of particles (0-50% by weight) to find out the optimum percentage of particle loading to get the maximum properties. The WSD/CP/PF hybrid composite was also prepared in two different methods i.e., one: one (1:1) ratio and rule of mixture. The first method (1:1) was used to find out the optimum level of hybrid particles loading to get the maximum properties. But, the second method was followed to find out the weight percentages of particles which is most influences the properties of resulting composite. The results show that the mechanical properties of WSD/PF are higher than CP/PF composite in the entire particle loading. The optimum particle loading to get the maximum properties was 40 wt% in CP/PF composite, whereas for WSD/PF composite it was at 30 wt%. The hybrid composite (1:1) also gives the maximum properties at 30 wt%. Moreover, the hybrid composite (20WSD/10CP) prepared by rule of mixture showed the highest mechanical properties compared to the other particle loading. It is identified that the WSD particles are most influencing the properties of PF composites than the CP particles.

Patent Filed and Published by Student



Narasimha R V,
6th semester



Details: Name of the invention - "N-2 Stroke Engine", the presented design have the following key points as merits comparison with conventional engine:

1. Very less pollution with increased efficiency.
2. Less noise and inexpensive
3. Produces 2X times more power than 4 stroke engine.

Guest Lecture on “VLSI- Transistor to Transformation”

Over the years, technology progressed from Small scale integration to medium scale integration to large scale integration and we currently are in the very large scale integration era.

History of Integration

Jack Kilby of Texas Instruments patented the principle of integration, created the first prototype ICs and commercialized them.

Kurt Lehovec of Sprague Electric Company invented a way to electrically isolate components on a semiconductor crystal.

Robert Noyce of Fairchild Semiconductor invented a way to connect the IC components (aluminium metallization) and proposed an improved version of insulation based on the planar technology by Jean Hoerni.

FinFET Technology

Standard 32nm MOSFETs were the predecessors of the FinFETs. The MOSFETs were now large and to keep up with Moore's Law, the FinFETs were developed. The FinFETs that are present in Apple's A12 Bionic chip uses the 7nm technology. The term 7nm used to once describe the width of the channel but in today's context, 7nm indicates the degree of precision achievable or the smallest change that can be made inside the transistor.

The challenge to keep up with Moore's Law is ever growing the technology today is so sophisticated that our transistors are close to the size of a single Si atom i.e., 0.23nm. Intel is currently working with the 7nm technology, along side research to shrink the size of the transistor even further down.

VLSI design flow

Speaking of a billion 7nm transistors on a 3cm x 3cm chip, how is it actually done?

This process can be classified into 2 main blocks, Design and Synthesis.

In Depth, there are 9 steps in fabricating an Integrated Chip

1. Design Entry- Designing the model in a HDL design environment using VHDL or Verilog.
2. Logic Synthesis- Converting the design to a Gate Level Diagram
3. System Partitioning- Dividing the existing blocks of the design into smaller blocks
4. Pre-layout Simulation- To simulate the circuit, check the layout and obtain a desired output.
5. Floor Planning- assigning different blocks a specific place on the chip
6. Placement- Placing these blocks on the chip
7. Routing- Connecting these blocks and isolating the metal layers
8. Circuit Extraction- Removing additional and other parasitic elements.
9. Post Layout simulation- Testing the design



Industrial visit to BSNL

An industrial visit to BSNL was scheduled for 4th sem students of Electronics and Communication Department on 12/02/19. Total of 59 students attended the visit.

Sub divisional engineer Mr. Vinod divided the students into three groups and each group were thought about different modules namely switching, transmission and MDF (Main distribution function). In switching module, students learnt on practical aspects of call making and receiving. They were thought on how to create the calling number and how to check the dial tone. In transmission module, students were briefed about OFC communication and its uses, advantages, applications.

The students were shown the real cables and its working procedure. In the MDF module, students learnt about the requirement of main distribution function. They were briefed about line side and exchange side of MDF. The students were shown the functioning parts of distribution unit. The industrial visit ended by 1:30 PM.

A telephone exchange consists of 4 functional blocks:

- 1) SWITCH ROOMS
- 2) MDF (Main Distribution Frames)
- 3) TRANSMISSION ROOMS
- 4) TELECOM SUPPORT INFRASTRUCTURE.



Faculty Development Program on “Advanced Surveying Technologies using Total Stations”

Report Dr. R. L. Ramesh, HOD - Civil Engineering Department, Sathagiri College of Engineering briefed on the purpose of the Faculty Development Program and welcomed the guests & delegates. After the inaugural program, Mr. S. Hemanth Reddy, Chief Executive, Sir, M. V. Institute of Engineering Skills gave a lecture on the topic “Seven steps in learning Total station”. In his lecture he highlighted the importance of all the seven steps viz., Centering, major leveling, minor leveling, creation of job, station setup, backsight orientation and establishing foresight. Later he explained about three-point traversing for checking closing error in Total station. In the afternoon session all the participants had hands on training on all the seven steps in learning. Second day, in the morning session, Mr. S. Hemanth Reddy, gave an talk on Application of total station in the field of civil engineering including preparation of topographical survey map of proposed road, building, irrigation, metro and water supply projects, column marking, measurement of height of a tall building or tower, setting out of stakeout, Remote Elevation Method (REM), Area calculation with live project examples. In the afternoon session all the participants had hands on training on preparation of Topographic map of Sathagiri college of Engineering campus by using Total station in a group of 5 members under the guidance of Mr. S. Hemanth Reddy and his assistant Mr. Kushal.

Third day, morning session, all the participants had hands on training on Remote Elevation Measurement (REM), measurement of height of civil engineering building, setting out of stake out using total station. Afternoon session, the entire participant learnt about how to transfer total station data to personal computer and later how to complete the drawings using AutoCAD. At last, Dr. R. L. Ramesh, HOD - Civil Engineering Department gave a lecture on preparation of capacity contour and town planning using total stations.

Faculty Development programme

Faculty Development programme on “Promoting varied approaches to the teaching learning process” and “Facilitating for Crossover learning and team based learning framework”



Outbound Training Program for faculty

An outbound training program was organized for the faculties of MBA Department, New Horizon College of Engineering on 18th February 2019. The training was organised by Mr. Manish Ranjan, Head of industry institute interface and Dr. Sheela Misra, Head of department of management studies.

The company for the visit was Salesforce.com India, which is situated in UB City, VittalMalya road, Bengaluru. 6 Faculties from MBA department were nominated to visit the company. The faculties were- Dr. Srikanth, Dr. Vijay, Dr. Smita, Mr. Lokesh, Ms Saumi and Ms Pavithra.

The training was very informative and useful for the faculties. It included the change of the trends in the industry in today's scenario. The business is more inclined towards technology now and how the companies are carrying the business activities today. They also gave the faculties a deep dive into their solutions and products available for students and teaching institutions.



Workshop on UNION BUDGET- 2019-20

An eye-opening expedition towards understanding budget

On 19/02/2019 Department of Management Studies, New Horizon College of Engineering had organized a workshop on 2019-20 Budget for the students of 2nd semester MBA in Chanakya Seminar Hall.

He gave students brief information about the difference between budget in the fiscal economy and the deficit budget. He stated that the Deficit budget is a virtue which will accelerate economic growth.

In his lecture, Mr. Krishnamoorthy explained the importance of income tax by giving facts and figures. He poured light on how the country has failed to bring equality in the country through budget plans even after 70 years of Independence.

As a guide, he explained to students about the importance of budget in bringing equality in the country by taking examples of the critical needs of the county.



Faculty Workshop

The FDP was inaugurated by the head of the institution and other chief guests of the day.

The sessions of the first day-16th Jan 2019 were on the use of 3-D printing technology in the fields of civil, architecture and additive manufacturing. The session was delivered by Mr. Suman Gowda, Application specialist, Capricot Technologies Pvt. Ltd. The application of the technology in prototyping of customized structural elements, steel structural connections and construction of the entire structure/building and some other aspects were discussed. It included demo of a 3D printer and hands on training.

The day 2 -17th Jan 2019, was on BIM. (Building Information Modeling). The sessions covered the detailed concepts of BIM and the tools available.

The application of various tools in planning, Design and construction and also the management of building and other infrastructure were discussed.

Over view of one of the BIM tool 'Revit' was covered in the first session of the day 3(18th Jan).

It also included the integrated modelling and data. The final session of the day included the hands on training as well.

The morning session of the day 4-19th Jan 2019 of the FDP was on Geo-informatics and its applications. Images to information, integration of RS data/information into GIS, application of derived information in watershed management were the topics covered/discussed. The session was delivered by Dr. P N N Rao, Project Director, ISRO & Program Director, IGBP.

The afternoon session included UAVs, GPS, DGPS and various navigational systems and their applications. The resource for the session was Mr. T.G Arun, Managing partner, Shear Force & Ariel Route Technologies Pvt. Ltd.

The last day of the FDP included campus plate drone operations and demonstrations

Faculty Workshop

Report The workshop was organised by CNS group of company, Padmanabhanagar, Bangalore on 2nd and 3rd of February 2019. The course content was basically about core to quantity surveying, Species of construction industry, Construction Methodology, Interpretation of structural and Architectural Drawings, Inspection to IS codes, Quantity take offs from GFC drawings, Schedule of Rates and Rate Analysis, Knowledge of BOQ and various stage Bills. Knowledge about Tendering and documentation was also added in the content. Hands on working experience on preparing Bill of quantities, Preparing Bar bending Schedules of given drawing were given.

One day workshop on Inkscape (A Vector graphic design tool)



NOTE Club of Department of Information Science and Engineering had organized a One Day Workshop: Inkscape (a vector graphic design tool) on 9th February, 2019 for 6th and 4th semester students of ISE at VMWare IT Academy, ISE Dept., NHCE.

The expert guide, Mr. Vignesh R, Graphic /Web designer by profession, currently working at [24]7 Bengaluru. He is a graphic designer contributor at Wikimedia Commons and OpenClipArt.org. He is part of the Libre Digital Library, Olipedia (Wikipedia for the blind in Tamil Nadu).

The workshop started at 10 am, commencing with short introduction and welcoming of the instructor with a sapling by HOD –ISE: Dr. R J Anandhi. After which it was presided over by the guide. Over time, after a few demo sessions, the students were given the freedom to design their own business cards. The final session was done by 4:00pm, after which followed a short thanks giving to the guide.

All the students who attended the session were interested and curious on familiarizing themselves with the new graphic design tool (Inkscape).



World Cancer Day

Many people feel sad after a cancer diagnosis or while being treated for cancer. It's normal to feel sad when dealing with a stressful or upsetting situation. You may grieve the loss of good health or your ability to enjoy life as you used to.

To make people like this feel happy and enjoy each moment of the life they have, the club members of Math Horizon & Genesis club of BSH Dept visited Karunashreya, on 4th Feb 2019, on the account of World Cancer Day.

Each section of the BSH department donated various items of worth Rs. 80,000, which are required for daily purposes to the patients in the cancer hospital.

To entertain and fill the atmosphere with joy and happiness students have performed various cultural activities at Karunashraya. It was a tedious job for our students to plan, prepare and execute it. They were more than successful in organizing the event with the help of all the club members, club coordinators and the hods. After all the hard work that was put in our students were very happy in helping the cancer patients and making their day.



International Conference on Emerging Technologies in Civil Engineering

Report International Conference on Emerging Technologies in Civil Engineering was conducted in Srinivasa Ramanujan Institute of Technology, Anantapur, Andhra Pradesh. The resource persons included Dr. G L Sivakumar Babu, Professor, Geotechnical Engineering Division, Department of Civil Engineering, Indian Institute of Science (IISc), Bangalore, Dr. Venkata Dilip Kumar, Assistant Professor, Mahindra École Centrale, College of Engineering, Hyderabad, IDr. K Ganesh Babu, Retd. Professor, Department of Ocean Engineering, IIT Madras, Chennai, Tamilnadu, Dr. D. Saradhi Babu, Alliance Concrete Services, Singapore Senior Engineer, Alliance Concrete Services, Singapore. Dr. H Sudarsana Rao, Professor, Department of Civil Engineering, JNTUA, Ananthapuramu, I Dr. Govardhan Bhat, Assistant Professor, Department of Civil Engineering, NIT Raipur, Raipur, Chhattisgarh.

The conference was on the following topics

- Reflections on pavement design-Role of geo-synthetics
 - Understanding Structural Health of India : A Need
 - What makes concrete a possible contender for sustainable development? - a panoramic view
 - Stability of concrete constructions: The role of materials and practices
 - Development of GA based artificial neural network model for predicting the strength and stiffness properties of Ferro cement.
 - Parametric study on Torsionally Coupled Base Isolated Structures.
- Name of the Paper Presented in the conference: Stability analysis of tied arch bridge under IRC loading condition using Finite Element Method

Two week Bootcamp on electric vehicle powertrain design, integration and testing

2 weeks of rigorous training in the field of electric vehicles touching upon the latest technologies involved in power electronics and design of controllers was held between 17th January 2019 to 28th January 2019. The bootcamp was conducted by AUTOBOT INDIA which is a company based in Delhi and have conducted various other programs before in various institutions. This bootcamp was their 6th national annual bootcamp in which people from all over India had travelled long and far to attend this camp. The camp was conducted on the premises of NHCE and use of labs were put to use as a practical demonstration of how an electric vehicle takes birth was witnessed by the 25 of us.

In total 25 participants took part in this bootcamp out of which 5 of them were from NHCE and the rest from Kerala, Nagpur, Chennai Gujarat and various other places. An amazing experience as the difficulties faced in the birth of a vehicle was experienced by us when we designed and built an electric vehicle by then end of the program. This course was designed in such a way that a couple of days were spent in the class gaining theoretical knowledge and the rest of the days were spent in the lab of various departments' testing and integrating the powertrain system components.



Exhibition on ASEAN 2019 attended Prof. Jaysheel Kumar, Sr Assistant Professor Dept of Automobile Engineering



The federation of Karnataka Chambers of commerce and industry (FKCCI) organized a 3 day global chambers meet from 25th of February 2019 to 27th of February 2019. ASEAN chamber of commerce and industry business meet-2019 was inaugurated on 25th February 2019 at vidhanasoudha by chief guest honorable governor of Karnataka Sri. VajubhaiVala and guest of honor chief minister of Karnataka Sri. H D Kumaraswamy and many more ministers along with foreign and Indian delegates like. Around 23 countries and 130 foreign delegates were present for the event on 26th February 2019. The inauguration of the business meet started at 10.30am at hotel Lalit Ashok, Bengaluru and it was inaugurated by K.J George, minister of small and medium scale Industries. Various business stalls were put up in the venue and business session were conducted at the conference halls in the venue at 5.00pm.

Following this the honorable revenue minister Sri. Deshpande gave the talk on business opportunities present in Karnataka and the session at 7.30 pm on 27th February 2019 the business sessions continues and the highlight of the event was the talk on bamboo as alternative fossil fuels and innovations in teaching. This session was concluded by 5.00pm.

Honorable minister of small and medium scales Industries Shri. K J George was present for the valedictory function and FKCCI concluded by the vote of thanks to call the delegates present from India and all the other countries.



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Admission Circular

FOR PLAYGROUP, NURSERY, LKG AND UKG FOR THE ACADEMIC YEAR 2019-20

Dear Parents, Hari Om!

Registration forms for admission for the academic year 2019-20 for PLAYGROUP, NURSERY LKG AND UKG can be downloaded from the website www.newhorizonvidyamandir.in from 16th August 2018 onwards.

Filled in registration forms are to be submitted at New Horizon Vidya Mandir only on 29th September 2018 / 1st October 2018 / 2nd October 2018. The registration fee is Rs.500/-. Parents can take a tour of the campus after the submission of registration forms. The timings are :- 9.00 am to 2.30 pm.

Please submit the filled in registration form with the following enclosed:

1. The latest passport size photograph of the child
2. Photocopy of the birth certificate
3. Copy of the Aadhar of the child


Principal-NHVM

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