

2019**• HAPPY NEW YEAR •**

Republic Day Celebration @ NHCE



Let's spread Peace, Humanity & Prosperity along with Salutes to those patriots and soldiers who gave this opportunity to celebrate Republic Day. New Horizon College of Engineering wishes everyone a Happy Republic Day.

Birthday of Subhas Chandra Bose



NHCE celebrated the birthday of Subhas Chandra Bose on 23rd January 2019 to pay homage to the Indian Nationalist whose defiant patriotism made him a hero in India. The event preceded with a pooja followed by a speech by the HOD-ECE and Ms. Kushi, Student of Electronics & Communication Dept. and the distribution of sweets. The event was attended by Dr. Anitha S Rai, Head-Library and Information Center, HOD-ECE, Faculty members of MCA Dept and staff members of System Dept and Fashion Show club members and the

Students of NHCE. The whole event was organized by the Fashion Club committee members of NHCE.

Prime Minister Narendra Modi today inaugurated the Subhas Chandra Bose museum at Red Fort today to mark the leader's 122nd birth anniversary. The museum on Subhas Chandra Bose and the Indian National Army showcases different artefacts, including a wooden chair and sword used by the leader, medals, badges and uniforms.

VTU sponsored five days Faculty Development Programme on Big Data Analytics



With fast growing field of big data analytics and have gained maximum market presence, we the Department of Computer Science & Engineering, were proud to host VTU sponsored five days Faculty Development Programme on Big Data Analytics from 21st Jan to 25th Jan 2019, in association with CSI and HPE Centre of Excellence

The FDP programme received a lot of responses with overall 30 participants from various engineering colleges in and around Karnataka

Dr. Suresh, Director, CIT, Gubbi, Executive Council Member, VTU, Chairman IE, Tumkur, Local Center was the chief guest for the inaugural function. He shared his valuable thoughts about the technologies of the decade and how big data is influencing the business market

Day 1 Session started with Mr. Kumar Saurabh, Senior Data Scientist, Mind Tree, Bangalore and Mr. Nimish Kumar, Team Lead, Walmart Labs. The resource persons focused on the machine learning concepts

Day 2 Session started with resource person Mr. Prabakar Reddy, Big Data Engineer, Amazon Web Service, Bangalore. The resource person shared his knowledge about data warehousing, OLAP, OLTP concepts followed by hands-on session on AWS Clue, Amazon Athena

Day 3 Forenoon session started with the resource person Dr.KamatchiPriya, Associate Professor, Department of Computer Science and Engineering. She shared her knowledge about support vector machines followed by hands on session with R tool

Day 3 Afternoon session started with an introduction of the resource person Mr. KalyanChembeti, Principal Big Data, Specialist Analytics, Happiestminds, and Bangalore. The participants were introduced with the various Hadoop tools like Hbase, Spark, and Hive

Day 4 Morning session started with

an introduction of the resource person Mr.Chandrsekhar, Senior Software Engineer, Impetus Infotech, Bangalore. The participants were introduced with HDFS architecture and Map reduce. Later the session was taken over by Ms Jisha, Assistant Professor, Department of Computer Science and Engineering. Participants experienced hands-on Map reduce concepts

Day 4 Afternoon session started with an introduction of the resource person Mr.Sachin, Sr. Principal - AI Technology, Bangalore. The participants were introduced with Text mining techniques with case studies on web and social network analysis.

Day 5 Morning session was handled by Ms.Jisha and provided hands on various Hadoop tools like Hbase, Spark, Hive and Pig



Training Program For GPE Students

Training program on 3ds Max



The training program was conducted for Vth semester GPE registered students. Expert was Mr. Mathew Thomas and Mr. Swaminathan from EduCAAD, Bangalore. In total 15 students attended the program which was from 18-12-18 to 22-12-18. The session started from 9.30am and was till 5pm every day in CAD lab, Civil department. The students were given hands on experience on 3Ds max software. 3ds Max is software for 3D modelling, animation, rendering and visualisation. The photos are attached below.

Survey Camp

As a part of course curriculum, Civil Engineering department organized an extensive survey camp for fifth semester students from 02-01-2019 to 11-01-2019 in Shri SubramanyaGhati. Students will get hands on field experience in using various survey instruments and techniques involved in many Civil Engineering projects. It was a 10 day training camp starting from 02-01-19. First day they did the reconnaissance survey and for the remaining days they had hands on experience with different survey instruments like plane table, dumpy level, theodolite and total station in four different projects that was assigned to them.



Faculty Workshop

This workshop is a joint venture of the Global Initiative of Academic Networks' (GIAN) and Sri Jayachamarajendra College of Engineering. Prof. Ikuo Towhata Professor, Department of Civil Engineering, University of Tokyo is well-known geotechnical engineering professor at the University of Tokyo, Japan. Currently, he is the chief editor of "Soils and Foundations," a civil engineering journal. The 10 days' course focused on Earthquake Geotechnical Engineering covering aspects of geology, seismology, geotechnical engineering, structural engineering, soil-structure interaction and related areas. The course covered various earthquake geotechnical hazards through numerous case studies during the past devastating earthquakes from around the world. Finally, the course described hazard mitigation techniques and strategies covering the recent state-of-art research and development in many industrialized countries



Faculty Workshop

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.

Faculty development program

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 Development Program on “Advanced Surveying Technologies using Total Stations”

Report Dr. R. L. Ramesh, HOD - Civil Engineering Department, Sapthagiri 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 a 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 Sapthagiri 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.

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

Technical Articles

AR lets you learn everything about the moon without blasting off

The best news for augmented reality at CES 2018, is that we're finally moving on from running around like crazed loonies trying to catch Pokémon. Instead, Astro-reality is putting AR to work as a learning tool.

Astro-reality has used super detailed topographical data which has been captured and digitized by NASA's Lunar Orbiter team to create a perfect replica of the moon, recreating every last feature in incredible detail. The surface is 3D-printed allowing you to feel each and every crater and is created using dense poly-resin so that it doesn't feel like you're holding a kid's bouncy ball.

It's the accompanying iOS and Android augmented reality app that really makes this little marvel special though – you'll be able to explore every little spot on the moon and it includes an endless list of landmarks as well as locations of all the moon landings we've made.

You just point your camera at the mini moon and you get to see all the added details and descriptions on your screen. Moving around delights any space, lunar, or astronomy enthusiast by popping up labels, photos, videos, and all sorts of factoids about the moon, in real-time.

Astro-reality is spot on when they say that their Lunar augmented reality app, "weaves together an unparalleled way to experience the moon, in your hands, and through your smartphone." From now on, "every mission to the moon that you make is a unique voyage you control with your smartphone." Off we go then, into infinity and beyond!



Sports Achievements



II Runners Up in "Malleshwaram Cup Basket Ball (Women) Tournament-2019" held at Malleshwaram.



124/2 Bhoganahalli, Bellandur Post,
Behind New Horizon College of Engineering,
Bangalore-560103
Ph: 91 9900087732, 9036014400/11

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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