



E-newsletter of
**DEPARTMENT
OF CIVIL
ENGINEERING**

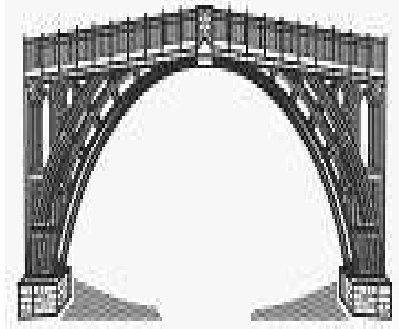
IN THIS ISSUE

- Guest lectures
- Club activities
- FDP
- Conferences & Technical Competitions



The United Nations designated 5 June as World Environment Day to highlight that the protection and health of the environment is a major issue, which affects the well-being of peoples and economic development throughout the world

INSPIRE



Volume 12 Issue 3

January - June 2022

WORK SHOP

HANDS ON TRAINING ON DEVELOPMENT OF E-CONTENT AND EDUCATIONAL VIDEO CREATION



Civil Engineering Department organized a Guest lecture on “Introduction To Applied Hydraulics And Hydraulic Machineries” by Mr .G . Navatha from Vani Institue, Bangalore on 02nd April 2018 at the department. He explained applications of Applied Hydraulics in various fields of Civil Engineering

• VARIOUS METHODS TO ANALYSE DETERMINATE STRUCTURAL ELEMENTS



Civil Engineering Department organized a Guest lecture on “Various Methods To Analyse Determinate Structural Elements” by Mr. B.N.Nagesh Dy.Chief Engineer, KUWS & DB, Bengaluru on 10th April 2018 at the Chanakya seminar hall of the Institute.



The above picture is Signature Bridge which is an ongoing cantilever cable-stayed bridge construction, which spans the Yamuna river at Wazirabad section, connecting Wazirabad to East Delhi.

**Engineering is
Magic...
Or atleast the
closest thing
to magic that
exists in the
real world
- Elon Musk**



Above Picture is a Cable stayed Bridge on Old Madras Road (NH-4), above Krishnarajapuram Railway Station, Bengaluru

• ANALYSIS AND DESIGN OF WATER TANKS



Civil Engineering Department organized a Guest lecture on “Analysis and Design of Water Tanks” by Dr. Ravindra, Professor, RVCE, Bangalore on 16th April 2018 at the Department. He presented a case study on analysis and design of water tank resting on ground.

CLUB ACTIVITY

• ARCHIBUS SIMPLE TM TRAINING



AVISHKAR Club of Civil Engineering Department organized a Guest lecture on “Archibus Simple TM Training” by Mr. Sreedhar Saraswathi – Business Head – Southern Asia, ARCHIBUS, on 05th February 2018 at Falconry hall of the Institute.

Event Highlights:

The speaker addressed all the aspects of infrastructure, real estate, facilities management & sustainability for the students of Civil Engineering. The framework of this program enables all the stakeholders to contribute their content based on their local & current requirements so that they get the skilled resources in the domains that they are working.

• ROLE OF GEOLOGY IN CIVIL ENGINEERING PROJECTS

PRAKRUTHI Club of Civil Engineering Department organized a Guest lecture on “Role Of Geology In Civil Engineering Projects” by Mr. Rajendran, Director (Retd) & Mr. Maruthi, Director Geological Survey of India, on 16th April 2018 at the Chanakya seminar hall of the Institute. He presented a case studies related to failures of structures like Kaila Dam, Gujarat and St. Francis Dam in Los Angeles, which provided an use full in-site to the budding civil engineers.



Event Highlights:

The speaker addressed all the aspects pertaining to working principles of two types of Machines in closed shield method, one is Earth pressure balancing machine and the other is slurry machine. Several reasons for slow progress of tunnelling work due to mixed geology (comprising of hard granite and large boulders), weak foundation of historic buildings and dense population were highlighted to reinforce the practical skill of the student.

FACULTY DEVELOPMENT PROGRAM

• ANALYSIS AND DESIGN OF STRUCTURES USING CYPE SOFTWARE

Department of Civil Engineering conducted 3days Faculty Development Program on “Analysis and Design of Structures using CYPE-CAD software” on 24th to 26th April 2018 by Er. Amarnath. He carried out the analysis and design of reinforced concrete and steel structures, subjected to horizontal and vertical forces, for houses, buildings and civil work projects. Participants immensely benefited from the workshop.



DEPARTMENT OF
CIVIL
ENGINEERING

Email ID:
hod_civil@newhorizonindia.edu

Contact No:
+91-80-6629 7777

[http://
newhorizonindia.edu/
nhengineering/department](http://newhorizonindia.edu/nhengineering/department)

Editorial Board:

Dr. Niranjana P S,
(HOD Civil)

Mr. Surendra . B. V
(Associate Professor)

Mr. Sudhakar G. N
(Assistant Professor)

Mr. Prakash. A. N
(Assistant Professor)

Pramod Sencha . N
(4th Sem)

Jennifer Rose Biju
(4th Sem)

Praphulla K. G
(4th Sem)



**New Horizon College
of Engineering**

Kaverappa Layout, Ka-
dubeesanahalli, Ka-
dabeesanahalli, Bengaluru,
Karnataka 560103

CONFERENCES & TECHNICAL COMPETITIONS

**TECHORIZON - NATIONAL LEVEL PROJECT EXHIBITION
& CONFERENCE**



Event Highlights:

TECHORIZON a national level project exhibition & conference was organised on 19th April 2022. Students from different engineering colleges participated in the event & presented their project work. The best project was selected by the technical team. The meritorious projects were identified and given cash prizes.

CHENAB RAILWAY BRIDGE - World's Highest Railway Bridge



The **Chenab Bridge** is an Indian railway steel and concrete arch bridge under construction between Bakkal and Kauri in the Reasi district of Jammu and Kashmir in India. When completed, the bridge will span the Chenab River at a height of 359 m above the river, making it the world's highest rail bridge. Key technical data of the bridge include: Deck height above river bed: 359 m, height above river surface: 322 m Bridge length: 1,315 m, including the 650 m long viaduct on the northern side arch span: 467 m, arch length: 480 m