

NATIONAL SEMINAR
ON
COMPUTATIONAL METHODS IN CIVIL ENGINEERING
Organised by



DEPARTMENT OF CIVIL ENGINEERING

&

DEPARTMENT OF CONSTRUCTION TECHNOLOGY AND MANAGEMENT

IN ASSOCIATION WITH



9th November 2013

(9 AM to 6 PM)

The Oxford College of Engineering Bangalore conducted national seminar on **COMPUTATIONAL METHODS IN CIVIL ENGINEERING** on 9-11-2013. This was organized by the Departments of Civil Engineering & Construction Technology and Management in association with American Society of Civil Engineers India section. TOCE-Civil has started ASCE Students chapter which were inaugurated on the same day.

National seminar was a one day program brought together national experts Academicians, Industrialists, Research scholars and students in one single platform.

The seminar has portrayed the various computational methods in Civil Engineering Viz. Staad pro, CYPE, FEM, ANSYS etc. Four eminent personalities have delivered the speeches.

On bright Saturday morning, national seminar started with the ceremonial inaugural function. The dignitaries present on the Dias were **Dr. G L Siva Kumar Babu**, President ASCE section and Professor at IISc, Bangalore, Former Vice Chancellor **Dr. Rajashekariah**, **Dr. H.G Shekarappa**, Registrar (Evaluation) - VTU, **K P Pradeep** - Secretary ASCE India section (editor in chief Master builder).

The function started by the invocation by Mr. Santhosh Haridas, to take the blessings of Lord Ganesha. The welcome speech was delivered by **Dr. Amaranth K**, Head of the Civil Engineering Department, TOCE-Bangalore and also convener of Seminar who welcomed the gathering with warm wishes to all. This was followed by the lighting of the two lamps which officially declared the inauguration of National Seminar and ASCE STUDENTS CHAPTER.

Principal **Dr. R. Nagaraj** and **Dr. B.K Raghuprasad** - President south section ASCE and Prof of Civil Engineering TOCE spoke on the occasion.

Dr. G L Siva Kumar Babu President ASCE India section and the chief guest of the seminar congratulated student members of the Oxford College ASCE student's chapter and advised to make best use of ASCE resources like ASCE website, webinars, publications, journals and forums, also highlight the benefits of student's chapter.

Technical session started by **Mr. Ravee Kumar C K**, Principle Consultant, SAI Imagineering, who presented on use of Staad-pro and ETABS. He clearly demonstrated the applicability and limitation of both the softwares with the help of modeling, analysis and designing of one live project.

Mr. Anil S, Senior Structural Consultant, Sundaram Architects explained about use of ANSYS in Civil Engineering. He presented few case studies done on monumental masonry building like Tippusulthan rehabilitation works etc. He also explained the applicability of ANSYS and other software like Stadd-Pro and ETABS for different types of Structural Engineering problems.

The third keynote session was conducted by **Dr. B. Shrihari Kumar** Senior Consultant TCS, Bangalore who explained the basics of Finite element method in Structural Engineering. He emphasized on accurate estimation of forces on the structures created by nature as the structure has to stand against nature. He also explained various areas of applications of FEM Viz. aerodynamics, underground water currents, aircrafts analysis and design, nuclear reactors and many other Civil Engineering problems.

The concluding session was conducted by **Mr. Amarnath S N** from FE design who gave demonstration about the CYPECAD software & explained the analysis design, estimation, drafting of RC rebar in a typical four floor residential complex unit. He also explained about the advanced user capabilities of CYPECAD over other commercial softwares available in the market. The audiences were highly interactive and appreciated the presentation.

CADD Center- Koramangala- Bangalore gave the demonstration on the AutoCAD software. The Seminar ended with Vote of Thanks and felicitation to the Speakers. Feed back of the Speakers were also taken.

