



Engineered for Tomorrow

## *Computing for civil engineering research using Lab View*

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### **2 day Faculty Development Program on “Lab View & Space CADD”**

A FDP on “Lab view & Space CADD” was conducted at seminar hall 5, MVJCE, Bangalore from 23<sup>rd</sup> of July, 2015 to 24<sup>th</sup> of July, 2015 by the department of Civil Engineering.

The trainees arrived by 9:30 a.m to grace the occasion. The event started with welcome speech by Dr. K.Asha, HOD, Department of Civil Engineering.

Following that our faculty coordinators, Miss.Soumya & Mrs. Anusree.Mohan addressed the gathering with their words of wisdom. They encouraged all the participants, and emphasized on the necessity of Lab View & Space CADD. Then a brief introduction about the training was given. The trainee for the event was Mrs. Brindha.

There were about 40 participants for the workshop. The seminar session started at 10.45 am by the speaker Mrs. Brindha & continued till 3.30 pm. The training began with an introduction and the basics of Labview and Software tools such as E-Tabs. They had hand-on sessions on how to use Lab view for various applications in civil engineering and the use of software tools like E-tabs in the design of multistoried buildings and bridges and also to create interactive applications in softwares. Once the day’s topic was concluded, the question answer session was opened, and this continued for the rest of the days.

Finally the Workshop event ended up with vote of thanks by Dr. K.Asha, HOD, Department of Civil engineering. The trainer was delighted about the association with department and the college and felt that the seminar was an excellent.

After completing the training on Lab View and Space CADD, faculty understood:

1. Lab View software & Hard ware Integration.
2. Usage of Lab View and space CADD in various applications of civil engineering.
3. Modelling in Etabs.
4. Pre processing & post processing in Etabs.
5. Analysis and design using Etabs

**The workshop comprised of the following themes:**

**Day I:**

**Introduction to Lab View**

- Introduction to lab view
- Data logging and mechanical testing of concrete
- Data Analysis

**Day II:**

- Demonstration on lab view
- Structural dynamics using Etabs
- Case studies

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