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Skill Development Programme organized by Civil Engineering Department 2019-2020

Skill Development Programme on 'Finite Element Analysis using ANSYS', from 24-02-2020 to 29-02-2020

A one-week Skill Development Programme on 'Finite Element Analysis using ANSYS' was organized by the Department of Civil Engineering, MVJCE, from 24-02-2020 to 29-02-2020. This programme was structured mainly to provide a basic understanding of Modelling and Analysis techniques in ANSYS, for the 8th semester students of the Department of Civil Engineering. Around 20 students from the 8th semester participated in the programme.

The Skill Development Programme was scheduled from 8:30 am to 10:30 am, for six days, in the CAMA Lab of the Department of Mechanical Engineering. On the first day of the programme, the session started with the inaugural address by Prof. Muralidhara, HOD, Department of Civil Engineering. He began by stressing on the importance of various software in Civil Engineering, and also shed light on how ANSYS can be applied in various areas of Civil Engineering. Later, the session was taken over by Prof. Harilekshmi S, Assistant Professor, Department of Civil Engineering. She briefed the students on finite element analysis, its importance in Civil Engineering and how the extended use of ANSYS can be used to study the structural behaviour of various building components. After this session, the students were guided on the basic commands and tools of ANSYS software, in the laboratory.

The subsequent days of the programme saw hands-on training sessions with the ANSYS software, by Prof. Harilekshmi and Prof. Surabhi, in the CAMA Lab. The students were exposed to modelling and studying the behaviour of various structural components such as bars, trusses, beams and plates under the application of loads. They were also introduced to the various tools of ANSYS, with the help of which they would be able to model any structural component.

At the end of the programme, Prof. Muralidhara, HOD, Department of Civil Engineering, encouraged the students on how this knowledge on ANSYS can be further

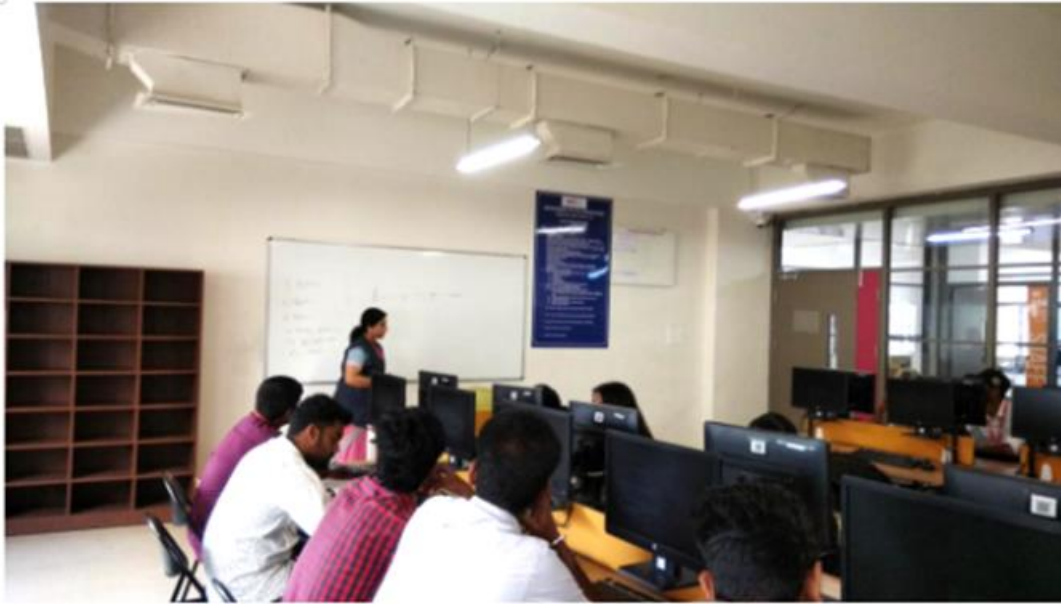
implemented to analyse any other structure. Prof. Surabhi proposed the vote of thanks extending gratitude to all those who were involved in making the event a success.

Outcome of the Event:

The programme provided students an insight into the applications of ANSYS in the field of Civil Engineering. The students were introduced to the basics of FEM modelling, tools and commands of ANSYS tool. They also acquired the knowledge to model and analyse various structural components under various loading conditions, whereby they would be capable of modelling and analysing any structure.



Head of the department, Prof. Muralidhara, addressing the students in the inaugural session of the programme



Coordinator of the programme, Prof.Harilekshmi, handling introductory session on ANSYS



Coordinator of the programme, Prof.Harilekshmi, explaining to students basic commands and tools in ANSYS



Coordinator of the programme, Prof. Harilekshmi, explaining the students modelling and analysis in ANSYS.