

An Expert Talk on
“COMPUTATIONAL FLUID DYNAMICS (CFD) FOR
MECHANICAL ENGINEERS”

19th October 2016

(Under TEQIP-II)

The Department of Mechanical Engineering conducted an expert talk on **“COMPUTATIONAL FLUID DYNAMICS (CFD) FOR MECHANICAL ENGINEERS”** under Technical Education Quality Improvement Program–II on the forenoon of 19.10.2016.

The program started with conveying the objectives of the talk and introducing the resource person Sri. Ramesh Kolluru, Asst. Professor, B.M.S College of Engineering, Bangalore. Participants of II & III B.Tech, I semester (ME) attended the program.

During the first session, the resource person delivered a lecture on fluid dynamics. He started the session by defining the fluid and fluid dynamics applications. He then continued with computational fluid dynamics concepts like control volume, system, boundary conditions etc., and their governing equations. He also emphasised on the various problems in fluid dynamics with their solving procedures. Many illustrative examples were discussed in his talk.

During the second session, he focussed on solving the CFD problems using CFD softwares like FLUENT, ANSYS, etc. He also delivered various concepts of CFD like shock with live examples and their applications.

Finally, the participants interacted with the resource person and clarified their doubts on CFD.



Sri. Ramesh Kolluru, Asst. Professor, B.M.S College of Engineering, Bangalore



Sri. Ramesh Kolluru, delivering lecture on Computational Fluid Dynamics



Students listening to the lecture



Sri. Ramesh Kolluru, explaining about the topics of CFD