

Faculty development program on Computational Fluid Dynamics and its Applications

The Departments of Mechanical & Aeronautical Engineering had organized a faculty development program on „Computational Fluid Dynamics and its Applications“ on 23rd & 24th July 2015 at the Seminar Hall-V.

The FDP was inaugurated by Dr. Kumar of Civil Engineering Department and Presided by Dr. Asha, Head of Civil Engineering Department. Prof. Ravishankar of Mechanical Department, Prof. SC Gupta and Mrs. MS Deepa of Aeronautical Department were present. The event was attended by 60 faculties from Mechanical and Aeronautical Engineering Departments. Some faculties from other colleges were also present.

On the day one, the first lecture was on “Thermal- Fluid System Simulation of Complex Engineering Systems”. It was delivered by Mr Santhosh N L of DHIO Research & Engineering Pvt. Ltd, Bangalore. The next speaker was Prof.Sekhar Majumdar from NMIT, Bangalore. He spoke on the topic of “Turbulence Modeling & Numerical Discretization of Transport Equations”, and covered the complexity in constructing various turbulence models. The day was concluded with the last lecture on “Stability of Numerical Scheme” by Prof. N Balakrishnan from I.I.Sc, Bangalore. This talk covered the importance of creating our own solvers for instead of using predesigned CFD packages.

Second Day started with the lecture on “Meshless Methods”, by Mr.Keshav Malagi, of National Aerospace Laboratories. It was followed by lecture on “Computational Fluid Dynamics” by Dr. Aishwariya Gogoi, from Aeronautical Development Agency, DRDO, Bangalore .The last lecture was on “CFD Problems in Launch Vehicles” by Dr. V Ashok, from Vikram Sarabhai Space Station, Thiruvanthapuram.


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