



DEPARTMENT OF MECHNAICAL ENGINEERING

A REPORT ON AICTE SPONSORED SEMINAR ON “ADVANCED IC ENGINES AND EMISSION CONTROL TECHNIQUES”

(13th -14th July 2015).

The Department of Mechanical Engineering conducted an AICTE Sponsored Seminar On “ADVANCED IC ENGINES AND EMISSION CONTROL TECHNIQUES” and was inaugurated by the Chief Guest Dr. K.Hemachandra Reddy, Professor and former registrar of JNTU(A) Anantapuram and Guest of honour Dr. Mallikarjuna J M, Associate Professor, Indian Institute of Technology(Madras), Chennai on 13-07-2015.

In the Morning First two sessions, Dr. Mallikarjuna J M, delivered lecturer on Advances in IC Engines and Hydrogen in IC Engines. He conveyed the significance advanced developments taken in the field of internal combustion Engines. He Discussed the various issues releted to hydrogen as a fuel in IC engines.

In the afternoon first session,Dr. K.Hemachandra Reddy delivered a lecture on Emissions from SI and CI engines and control. He discussed the emissions from IC engines and their impact on Environment. He explained various advanced techniques to control emissions from IC engines. In the afternoon second session, S.Sundaresh, DRDO Distinguished Fellow IIT M Technology Park delivered lecturer on Electronic Engine Management. He discussed various issues with electronic engine management. He explained the electronic engine management of Defence vehicles.

In the morning, first session on 14-07-2015, Dr.Hariprasad tarigonda Professor, Mechanical Engineering Department, Sree Vidyanikethan Engineering College, Tirupati, delivered lecturer on Alternate Fuels and discussed various issues related to Alternate fuels. In the morning Second session, Srinivasaraghavan P Director (R&D), NUTEK PVT Limited, Banglore Delivered a lecturer on New Product Development in Automotive Electronics. Followed by session, Achyut Mohan Sharma, Territory Manager, National instruments Needs of the Industry and Research institutes: Advances in Test and Control for Engines

In the Afternoon, First session on 14-07-2015, , Dr. R THUNDIL KARUPPA RAJ, Professor & Division Chair of Energy Division in the School of Mechanical and Building Sciences, VIT University, Vellore delivered lecturer on various issues related CFD in IC Engine Applications and further conveyed the significance of CFD tools to the participants through illustrative examples. He Discussed CFD TOOLS and their importance. He also emphasized on the method of utilizing the CFD tools, Fundamentals of CFD, Governing equations, Discretization Schemes, Finite Difference Method.



Participants registering for the seminar



Banner of the National Seminar on " ADVANCED IC ENGINES AND EMISSION CONTROL TECHNIQUES "



The Chief Guest **Prof. K.Hemachandra Reddy**, Professor and Former Register of JNTU University and Prof.J.M.Mallikarjuna at inaugural function of the Seminar.



Delegates in the Seminar.



Dr.Mallikarjuna J M, Associate Professor delivering his lecture.



Prof. K.Hemachandra Reddy, Professor delivering his session.



S.Sundaresh, DRDO Distinguished Fellow interacting with the participants in his session.



Dr. T. Hari Prasad, Professor, SVEC, Tirupati delivering his lecture.



Srinivasaraghavan P, Director (R&D), NUTEK Pvt. Ltd., Bangalore delivering his lecture.



Achyut Mohan Sharma, Territory Manager, National Instruments, Bangalore delivering his lecture.



Prof.Dr.R.ThundilKaruppa Raj, Professor & Division Chair of Energy Division delivering his lecture in CFD applications in IC Enignes.



Certificate distribution



External Members participating in the Seminar