



NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS

Approved by AICTE, New Delhi. Affiliated to JNTU - Hyderabad

SCHOOL OF ENGINEERING

Department of Electrical and Electronics Engineering

**Report on Guest Lecture by Mr. T.V.Rao
On**

**Up gradation of Diesel Locomotive by Using Microprocessor Based Control
System**

Date: 12/07/2016.

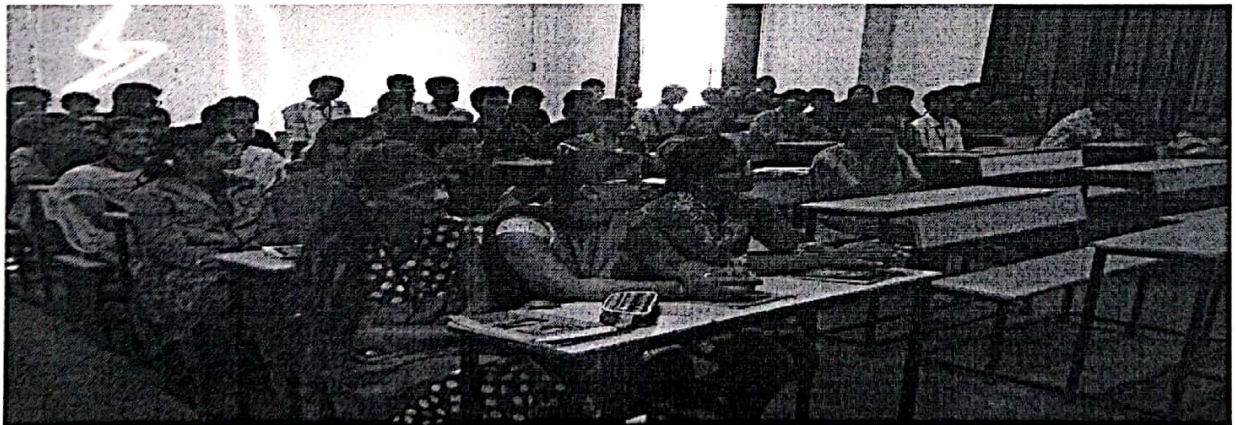
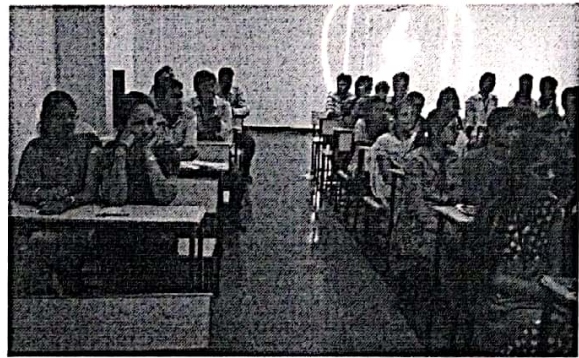
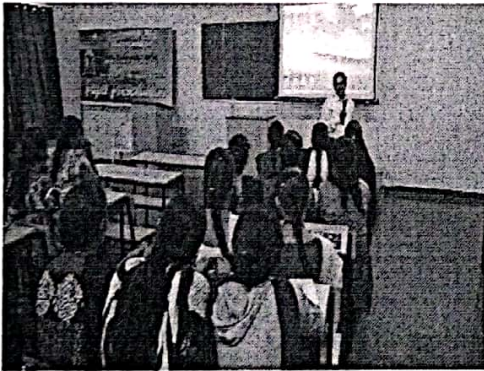
Nalla Narasimha Reddy Educational Society's Group of Institutions School of Engineering Department of Electrical & Electronics Engineering has organized a Guest Lecture on 12th July 2016. The Guest speaker was **Mr. T.V.Rao, Rtd Senior Section Engineer from Indian Railways.** The guest has arrived at 10.15 am and was welcomed by **Mr. T.C. Subramanyam, HoD & Associate Professor, Department of EEE, Mr. T. Sampath Reddy, Training & Placement Officer and Mr. T. Sreekanth, Asst. Professor, Department of EEE.** The lecture was attended by staff and Students about 50 members. Mr. T. Sreekanth, Assistant Professor, Department of EEE, introduced the speaker Mr. T.V.Rao, Rtd Senior Section Engineer from Indian Railways. He explained the mechanism of diesel locomotive. Change in power of locomotive is regulated by speed of the wheel sand current control by ACCR. He explained the importance of separate excitation system for loco alternator and the number traction motors required for its torque and load demand. He explained the speed governor mechanism of diesel engine. Then he explained about the microprocessor based control design of diesel locomotive. He explained about analog and digital inputs and outputs and the auxiliary devices for the operation of the microprocessor based control system.

The lecture was concluded by vote of thanks by Mr. T. Sreekanth, Asst. Professor, and Department of EEE. Dr. G. Janardhana Raju, Dean School of engineering, NNRG presented memento to the chief guest and addressed the gathering. It was a very resourceful session and the students gave a very good feedback.

It is good steps for students to ventilate their heart & came out from situation, after the lecture students have fresh mind they have got solution for their problems. Total 50 students were attended the lecture.

Lecture was ended at 12.30 p.m. Every one left the hall with positive attitude towards life.

PHOTOS:



T. Sreekanth
Faculty Incharge

G. Janardhana Raju
Head of the Department
Electrical & Electronics Engineering
Nalla Narsimha Reddy Education Society's
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Department of Electrical and Electronics Engineering

Academic Year:2016-17

Semester:I

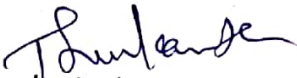
Activity: Guest Lecture

Consolidated report and outcomes of the Guest lecture:

- 1.The guest lecture was informative.
- 2.Students gained knowledge on locomotives and Microprocessor control.
- 3.Students requested to have an field trip on locomotives control system.

Actions taken:

- 1.HoD has advised the incharge of Industrail visit to plan for visit and create the opportunity to the students for the practical exposure.


Faculty Incharge


Head of the Department
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