

SAEISS SKIP PROGRAM REPORT

Topic	:	Automotive Engines & Alternative Fuels
Date	:	18 th & 19 th March 2017
Speaker	:	Dr. E. Rajasekar, Professor, IRTT
Inaugurated By	:	Mr. T. Kasiraja, Treasurer SAEISS
Presided By	:	Mr. Aiyappan Ramoorthy, MC Member SAEISS
Total Strength	:	47 Students
Total colleges	:	14 colleges
Venue	:	SAEINDIA Southern Section, Guindy

SKIP program on topic of “**Automotive Engines & Alternative Fuels**” was organised by SAEINDIA Southern Section on 18th & 19th March 2017 at SAEINDIA Southern Section, Guindy and Chennai.

1st Day Program

Automotive Engines & Alternative Fuels SKIP Program Introduction and Inauguration session was done by Mr. T. Kasiraja, Treasurer SAEISS



Dr. E. Rajasekar starts the program with a brief Introduction about Automotive Engines & Alternative Fuels Objective of this program. Then he explained on Basics of Two stroke and Four Stroke Engines, Basics of CI and SI Engines, Theory of Combustion in SI and CI Engines, Knock and Detonation, Engine Cycle Analysis, Combustion Modelling, Combustion Analysis, Thermodynamic based in cylinder models, Concept of Low Heat Rejection Engines, Variable Ratio Compression Engines, Free Piston engines, Lean Burn Engines, Stratified Charge Engines.



2nd Day Program:

Speaker started second day session with explaining about the Gasoline Direct Injection, Emission Reduction Technologies, Modern Engines with Sensors, Alternative Fuels & Engine Modifications Required, Dual fuel and Bi-fuel Engines, Hydrogen, LNG, CNG, LPG, Bio Gas, Bio Fuels, Vegetable Oils and Biodiesel, Alcohol and Reformed Fuels.



At the end of the session Mr. Aiyappan Ramoorthy, MC Member SAEISS presented the memento to Speaker as the taken of appreciation for conducting such a value added program to the student community and making the event a grand success and distributed the certificates to the participants.



SKIP Champions

Dr. S. Karthikayan, MC Champion

Mr. B. SenthilKumar, Event Champion

Prepared By,

E. Gajenderan, Program Executive