



Activities and Achievements during the year: 2005 - 2006

- SEMINAR IN **DIESEL ENGINE EMISSION-CAUSES AND CONTROL** ON 27/9/04

BY

Mr.C.PRAKASH

DEPUTY GENERAL MANAGER

POWERTRAIN DIVISIONS, PRODUCT

DEVELOPMENT

ASHOK LEYLAND LIMITED

ENNORE, CHENNAI

- SEMINAR IN **ADVANCES IN ENGINE TECHNOLOGY** ON 6/02/05

BY

Dr.R.MAHADEVAN

DIRECTOR

INDIA PISTONS LIMITED

CHENNAI



Activities and Achievements during the year: 2005 - 2006

- **INDUSTRIAL VISIT IN LOCO WORKS SOUTHERN RAILWAY, CHENNAI ON 25/1/05**
- **SEMINAR IN AUTOMOTIVE MATERIALS AND AUTOMOTIVE ELECTRONICS ON 18TH & 19TH MAR 2005**
- **SISCAR DERBY COMPETITION ON 19TH MAR 2005**



Activities planned in the coming year: 2006 - 2007

- **ISOCAR DESIGN COMPETITION ON 20TH FEB 2007**
- **TWO DAY WORKSHOP IN AUTOMOTIVE SAFETY SYSTEM**
- **GUEST LECTURE ON VEHICLE DYNAMICS OF RACING CARS**
- **GUEST LECTURE ON SENSORS AND ACTUATORS ON BODY APPLICATION**
- **GUEST LECTURE ON LEAD-TIME REDUCTION: CONCEPT TO MARKET**
- **GUEST LECTURE ON TWO WHEELER AERODYNAMICS**
- **GUEST LECTURE ON MODERN TRENDS IN IC ENGINE POLLUTION AND CONTROL**



Most Innovative Activity planned in the year: 2006 - 2007

THE ISOCAR DESIGN COMPETITION

INTRODUCTION: An ISOCAR propelled by an IC engine is designed according to the given specification . This car is then tested on a test track where in speed,torque and brake effectiveness are noted . These are the major criteria's based on which the winners are selected

SPECIFICATIONS :

MAX ENGINE POWER- 2 HP

MAX WHEELBASE – 3 meters

MAX WHEEL TRACK – 1.5 meters

MAX VEHICLE LENGTH- 3.5 meters

MAX GROUND CLEARANCE -0 .6 meters

MAX VEHICLE WEIGHT (gross load) – 200 kgs

(payload)- 80 kgs



TRACK INFORMATION –

SLOPE – 1/15TH

MAX HEIGHT OF RAMP- 0.5 meters

GENERAL INFORMATION –

- NUMBER OF WHEELS 4
- ALL TEAMS HAVE TO PREPARE A PRESENTATION FOR 10 MINS
- TIME AND STOPPING DISTANCE ARE CALCULATED
- HELMETE ARE COMPULSARY FOR THE DRIVERS

ISOCAR MODEL-

