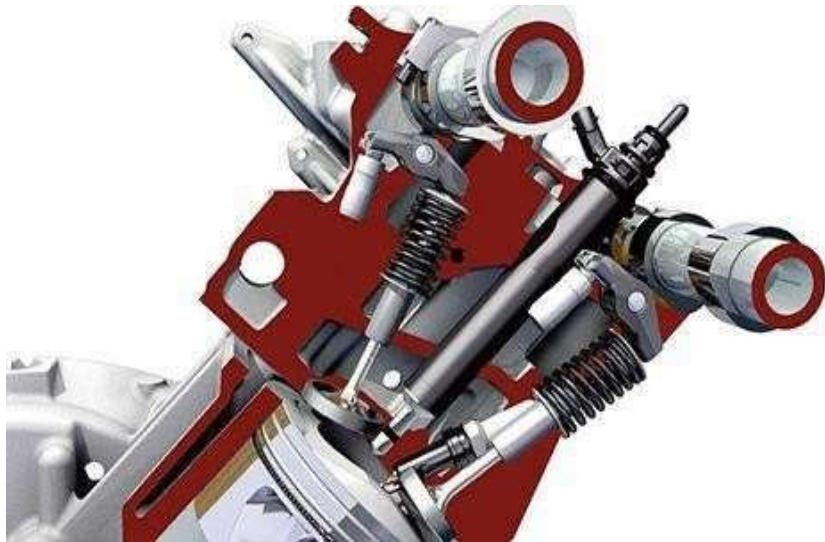




*Certificate Course
ON*

AUTOMOBILE MECHANICS & IC ENGINE

From 17th December 2018 to 22nd December 2018



ORGANIZED BY

DEPARTMENT OF MECHANICAL ENGINEERING

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY,

(Approved by AICTE, Permanently Affiliated to JNT University Kakinada,
ACCREDITED BY NAAC and Recognized under 2(f) & 12 (b) by UGC, NewDelhi)

Tamaram, Makavarapalem, Narsipatnam (RD), Visakhapatnam-531113

AVANTHI EDUCATIONAL SOCIETY

Avanthi Educational Society under the Leadership of Sri M. Srinivasa Rao garu as chairman was started in the Year 1991. Within a short span of its establishment, the group has made a remarkable stride in the field of education offering various courses at Under Graduate, Post Graduate, Pharmacy & Engineering levels. This milestone is achieved as the institution carved itself to impart quality and career oriented education, countering the challenges of the modern world through planning, dedication, determination, prompt execution and with the innovative ideas of our advisory board.

Today, Avanthi Educational Society is proud to have a strength of over 16000 students with 15 institutions under its ambit. It is the path of glory towards the success during the last 19 years. The institution has been adjudged many times as the second best educational institutions in the twin cities and 16th best in all over India through the impartial survey made by the renowned magazine "India Today".

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

AIET started in the year 1999 and offers various courses at Engineering and PG level. The college is providing with rooms, computer centre, laboratories and seminar hall with audio-visual equipments. Industry Institute interaction is conducted regularly to emphasize on the latest trends in the present market.



It is very near to Narsipatnam. Frequent bus facilities are available both from and to Visakhapatnam and Narsipatnam. Very safe and secure hostel facility is available for Girl students. These are the additional facilities besides excellent academic atmosphere in the college campus.

DEPARTMENT OF MECHANICAL ENGINEERING

Mechanical Engineering department was started in the year 2005 with intake strength of 60 seats, this was increased to 120 students in 2012 and this was increased to 180 students in 2013. The department has well qualified and trained faculty members. It has well equipped laboratories and workshops and includes a CAD/CAM laboratory where students are imparted training in advanced production techniques and design and analysis of machine elements.

The department of Mechanical Engineering has been contributing its humble share of the Mechanical Engineering graduates for national needs. Several of the graduates who have passed out of this department are occupying responsible positions in various Engineering Industries like Hindustan Shipyard Limited, Renault Nissan, Varun Motors, Tata Consultancy Services, HP and IBM and holding responsible positions in the premier educational institutes in and outside India.

CHIEF PATRON

Smt .M.Gnaneswari
President ,
Avanthi Educational Society

PATRON

Dr. C P V N J Mohan Rao
Principal,
Avanthi Institute Of Engineering And Technology

CHAIRMAN

Sri. V. Harikiran
Head of the Department
Mechanical Engineering

ABOUT WORKSHOP

Mainly focuses from Basics to Advanced concepts in Automobile Engineering. It covers chassis design, working of Suspension unit, Steering System, Braking unit, Transmission, Fuel Supply System, IC Engine and Advanced Technologies like ABS, EBD, DTS-Fi, MPFI, VVTI.

The internal combustion engine is a rich source of examples of almost every conceivable type of heat transfer. There are a wide range of temperatures and heat fluxes in the various components of the internal combustion engine. Internal combustion engines come in many sizes, from small model airplane engines with a 0.25 " (6 mm) bore and stroke to large stationary engines with a 12" (300 mm)

TOPICS TO BE COVERED

Chassis Design, Brief terminology - Multi point strut bar. Fender bar. Anti-roll bar, Types of chassis –Ladder frame chassis. Tubular space frame chassis. Monocoque frame chassis. Ulsab monocoque. Backbone frame chassis, Aluminium space frame. Carbon fibre monocoque, Suspension Unit - Brief terminology, Transmission system, Fuel Supply System and IC Engines.

For Registration, please contact Mr. A.N.S.Surya Prakash, Assistant Professor, Department of Mechanical Engineering.



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DEPARTMENT OF MECHANICAL ENGINEERING

CIRCULAR

Date: 10/12/2018

We are happy to inform you that, Department of Mechanical Engineering, AIET is organizing six day certificate course on "Automobile Mechanics and IC Engines" from 17th December, 2018 to 22nd December, 2018 in virtual mode for all II B. Tech students. Interested candidates are directed to enrol above course on or before 16/12/2020. For further details contact Course Coordinator Mr. A. N. S. Surya Prakash, Assistant Professor, Mechanical Engineering.

Resource Person Details:

1. Sri R. Rudrabhiram,
Associate Professor,
Department of Mechanical Engineering,
VIGNAN'S Institute of Information & Technology,
Duvvada, Visakhapatnam.
2. Dr. S. Jai Kumar,
Assistant Professor,
Department of Mechanical Engineering,
GITAM College,
Rushikonda, Visakhapatnam.


V. Harikiran

HOD of Mechanical Engineering Department

Copy to: Principal, AIET

Head of the Department
Department of Mechanical Engg.
Avanathi Institute of Engg. & Tech.,
Makavarapalem, Visakhapatnam-531113.



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DEPARTMENT OF MECHANICAL ENGINEERING

A six-day workshop on

Automobile Mechanics & IC Engine

17th December – 22nd December 2018

Syllabus of the Workshop:

Chapter-1

- Introduction to Automobile IC Engines, Brief history. Changes over the years. Indian automobile industry.

Chapter-2

- Chassis Design, Brief terminology - Multi point strut bar. Fender bar. Anti-roll bar.

Chapter-3

- Types of chassis –Ladder frame chassis. Tubular space frame chassis. Monocoque frame chassis. Ulsab monocoque. Backbone frame chassis, Aluminium space frame. Carbon fibre monocoque.

Chapter-4

- Suspension Unit - Brief terminology – Weight Transfer, Jacking forces, Camber and Caster angle, Spring Rate

Types of suspensions – Dependent suspension, independent suspension

- Steering System - Ackerman Steering Principle, Steering Mechanisms, Rack and Pinion

Recirculating Ball Type, Worm and Sector, Understeer, Oversteer, Power Steering

Chapter-5

Transmission system- Flywheel, Clutch, Single Plate Clutch, Multi Plate Clutch, Cone Clutch, Centrifugal Clutch, Electromagnetic Clutch

- Gearbox- Constant mesh type, Synchromesh type, Sliding mesh type
Reverse and its working
Types of Transmission- Manual, Semi-Automatic, Automatic
CVT
- Differential
- 2WD, 4WD, AWD

Chapter-6

- Fuel Supply System

- Fuel Filter
- Carburettor

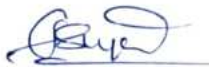
- Fuel Injector
- Spark Plug

IC Engine

- Types of IC Engine
- 4-Stroke Engine
- 2-Stroke Engine
- Engine Layout and working
- Valves and Valve Timing
- Engine Cooling
- Turbochargers
- Superchargers
- Latest Technologies
 - PGMFI
 - MPFI
 - CRDI

EXPECTED OUTCOMES

- This workshop will provide insight on IC Engines
- It will strengthen participants skills in Automobile Engines and components to solve various mechanical problems.
- Workshop will help to understand application of Automobile IC Engines in the multidisciplinary areas such as mechanical and advancements in Automobile Sector.



COORDINATOR



HOD

Head of the Department
 Department of Mechanical Engg.
 Avanthi Institute of Engg. & Tech.,
 Makavarapalem, Visakhapatnam - 531113.



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DEPARTMENT OF MECHANICAL ENGINEERING

Automobile Mechanics and IC Engines

From 17th December to 22nd December 2018

Schedule

Program Schedule

Session-1 (17/12/2018)

9.00 AM to 11.00 AM - Introduction to Automobile IC Engines, Brief history. Changes over the years.

Indian automobile industry.

11.00 AM to 11.15 AM – Tea Break

11.15 AM to 1.15 PM - Chassis Design, Brief terminology

1.15 PM to 2.15 PM – Lunch Break

2.15 PM to 4.15 PM – Types of Chassis, Suspension Unit - Brief terminology

Session-2 (18/12/2018)

9.00 AM to 11.00 AM - Types of suspensions, Steering System

11.00 AM to 11.15 AM – Tea Break

11.15 AM to 1.15 PM - Transmission system

1.15 PM to 2.15 PM – Lunch Break

2.15 PM to 4.15 PM – Gearbox and its Design and function

Session-3 (19/12/2018)

9.00 AM to 11.00 AM – Types of Transmission Systems

11.00 AM to 11.15 AM – Tea Break

11.15 AM to 1.15 PM - Reverse and its working

1.15 PM to 2.15 PM – Lunch Break

2.15 PM to 4.15 PM – Gear Shifting Mechanism

Session-4 (20/12/2018)

9.00 AM to 11.00 AM – Breaking systems

11.00 AM to 11.15 AM – Tea Break

11.15 AM to 1.15 PM - Various types of Breaking systems

1.15 PM to 2.15 PM – Lunch Break

2.15 PM to 4.15 PM – Differentials and its design and working

Session-5 (21/12/2018)

9.00 AM to 11.00 AM – Fuel Supply System

11.00 AM to 11.15 AM – Tea Break

11.15 AM to 1.15 PM – IC Engine and types of IC engines

1.15 PM to 2.15 PM – Lunch Break

2.15 PM to 3.30 PM – Valves and valve timing, Latest Technologies

3.30 PM to 4.00 PM – Q&A Discussion

Session-6 (22/12/2018)

9.00 AM to 11.00 AM – Applications of IC Engines

11.00 AM to 11.15 AM – Tea Break

11.15 AM to 1.15 PM – Advancement in IC engines

1.15 PM to 2.15 PM – Lunch Break

2.15 PM to 3.30 PM – Future Scope

3.30 PM to 4.00 PM – Valedictory/ Feedback session


COORDINATOR


HOD

Head of the Department
Department of Mechanical Engg.
Avanthi Institute of Engg. & Tech.,
Makavarapalem, Visakhapatnam - 531113.




AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
TAMARAM (V), MAKAVAPALEM (M),
VISAKHAPATNAM - 531113
DEPARTMENT OF MECHANICAL ENGINEERING
Automobile Mechanics & IC Engines
From 17-12-2018 to 22-12-2018
STUDENTS ATTENDANCE LISTS

S.NO	ROLL NUMBER	NAME OF THE STUDENT	17.12.2018	18.12.2018	19.12.2018	20.12.2018	21.12.2018	22.12.2018
1	16811A0301	AKOJU DURGA PRASAD	X	✓	✓	✓	✓	✓
2	16811A0302	AKULA KIRAN	✓	✓	✓	✓	✓	✓
3	16811A0303	ALLA SURYA NARAYANA	✓	✓	✓	✓	✓	✓
4	16811A0305	ANGULARI VENKAT SUDHEER	✓	✓	✓	✓	✓	✓
5	16811A0307	BALAGA JAGADEESWARA RAO	✓	✓	✓	X	✓	✓
6	16811A0308	BOBBILI PURUSHOTHAM KUMAR	✓	✓	✓	✓	✓	✓
7	16811A0309	BODDU TARUN	X	✓	✓	✓	✓	✓
8	16811A0311	BOLEM KANAKA VARAPRASAD	✓	✓	✓	✓	✓	✓
9	16811A0312	BUDDHA MOHAN VAMSI KRISHNA	✓	✓	✓	✓	✓	✓
10	16811A0314	CHINTAKAYALA MANIKANTA SWAMY	✓	✓	✓	✓	✓	✓
11	16811A0316	DASARI MANIKANTA RAJULU	✓	✓	X	✓	✓	✓
12	16811A0317	DOLA DILEEP KUMAR	✓	✓	✓	✓	X	✓
13	16811A0318	DULLA GANGADHAR	✓	✓	✓	✓	✓	✓
14	16811A0319	EERLA GANESH	✓	✓	✓	✓	✓	X
15	16811A0321	GADE SAI KUMAR	✓	✓	✓	✓	✓	✓
16	16811A0322	GALLA YESWANTH NAGA KUMAR	X	✓	✓	✓	✓	✓
17	16811A0323	GANTA JOHN	✓	✓	✓	✓	✓	✓
18	16811A0324	GANTLA DURGA PRASAD	✓	✓	✓	✓	✓	✓
19	16811A0325	GAVIREDDI DATTASAI	✓	✓	✓	X	✓	✓
20	16811A0327	GEDDAM RAMESH	✓	✓	✓	✓	✓	✓
21	16811A0328	GORLI SAI KUMAR	✓	✓	✓	✓	✓	✓
22	16811A0329	JANAPALA SATYA GANESH	X	✓	✓	✓	✓	✓
23	16811A0330	JEERU AYYAPPA	✓	✓	✓	✓	✓	✓
24	16811A0332	KANCHI SHANMUKHA TEJA	✓	✓	✓	✓	✓	✓
25	16811A0333	KARANAM SATHISH	✓	✓	✓	✓	X	✓
26	16811A0334	KOILADA MANIKUMAR	✓	✓	✓	✓	✓	✓
27	16811A0336	KOSURU CHANDRA SEKHAR	✓	✓	✓	✓	✓	✓
28	16811A0337	KOYYA RAVI TEJA	✓	✓	✓	✓	✓	✓
29	16811A0338	KUPPA VENKATESH	✓	✓	✓	✓	✓	✓
30	16811A0339	LINGAM JOSHI SAI JASWANTH	X	✓	✓	✓	✓	✓
31	16811A0341	MALLA KUMAR	✓	✓	X	✓	✓	✓
32	16811A0343	MATTE VARA PRASAD	✓	✓	✓	✓	✓	✓
33	16811A0344	MEESALA SHYAM PRASAD	✓	✓	✓	✓	✓	✓
34	16811A0345	MOHAMMED SHABZAN	✓	✓	✓	✓	✓	✓
35	16811A0347	MUPPIDI GIRI SAI VENKATA DURGA PRASAD	✓	✓	✓	✓	✓	✓
36	16811A0348	NAGIREDDY LEELA SATYA PRASANNA	✓	✓	✓	✓	✓	✓
37	16811A0349	NAGULAPALLE SAI KUMAR	✓	✓	✓	✓	✓	✓
38	16811A0350	NAKKA SAIRAM	✓	✓	✓	✓	✓	✓
39	16811A0352	NALLALA CHARAN	X	✓	✓	✓	✓	✓
40	16811A0353	NAMMINA SOMESH	✓	✓	✓	✓	✓	✓
41	16811A0354	NEERUKONDA PRABHU DEVA	✓	✓	✓	✓	✓	X
42	16811A0355	NETHINTI THARUN KUMAR	✓	✓	✓	X	✓	✓
43	16811A0357	PAILA PAVAN KUMAR	✓	✓	✓	✓	✓	✓
44	16811A0358	PAKKURTHI BALAJI	✓	✓	✓	✓	✓	✓
45	16811A0359	PALLA GANESH	✓	✓	✓	✓	✓	✓
46	16811A0360	PALLA VENKATESH	X	✓	✓	✓	✓	✓
47	16811A0362	PANNASA BHASKAR RAO	✓	✓	✓	✓	✓	✓
48	16811A0363	PEELA ARUN KUMAR	✓	✓	✓	✓	✓	✓
49	16811A0364	PENTAKOTA PHANI KUMAR	✓	✓	X	✓	✓	✓
50	16811A0365	PERLA HEMANTH KUMAR	✓	✓	✓	✓	✓	✓
51	16811A0366	PETLA PAVAN KUMAR	✓	✓	✓	X	✓	X
52	16811A0368	POTHURAJU NANDA KISHOR	✓	✓	✓	✓	✓	✓
53	16811A0369	POTTI PRATAP	✓	✓	✓	✓	✓	✓
54	16811A0370	POTTI SOMESWARA RAO	✓	✓	✓	✓	✓	✓
55	16811A0371	RAPETI AVINASH	✓	✓	✓	✓	✓	✓
56	16811A0372	RAVADA RAJARAO	✓	✓	✓	✓	✓	✓
57	16811A0374	RUNKU RAMBABU	X	✓	✓	✓	✓	✓
58	16811A0375	SARAGADAM GANESH	✓	✓	✓	X	✓	✓
59	16811A0376	SENAPATHI HEMANTH KUMAR	✓	✓	✓	✓	✓	✓

60	16811A0377	SHAIK MANSOOR	✓	✓	✓	✓	✓	✓
61	16811A0378	SOORA SAI PAVAN	✓	✓	✓	✓	✓	✓
62	16811A0380	SURISSETTI VUAYA SIVA	X	✓	✓	✓	✓	✓
63	16811A0381	TALARI MAHESH	✓	✓	✓	✓	✓	✓
64	16811A0382	TAMARANA RAVITEJA	✓	✓	✓	✓	✓	✓
65	16811A0383	THATIKONDA NAGA SAI KIRAN	✓	✓	✓	✓	✓	✓
66	16811A0384	THOKADA SRINU VASU	✓	✓	X	✓	✓	✓
67	16811A0386	VAKADA NAGA RAJU	✓	✓	✓	✓	✓	✓
68	16811A0387	VANGAPANDU JAGAN SAI	✓	✓	✓	✓	✓	✓
69	16811A0388	VEGI HAREESH	✓	✓	✓	✓	✓	✓
70	16811A0389	VENU SAI KRISHNA	✓	✓	✓	✓	✓	✓
71	16811A0390	VINDULA KALYAN KUMAR	✓	✓	✓	✓	X	✓
72	16811A0391	VOLLU HANISH	✓	✓	✓	✓	✓	✓
73	16811A0392	VYBOINA ASHOK KUMAR	✓	✓	X	✓	✓	✓
74	16811A0393	YALAMANCHILI VENKATA PRUDHVI	✓	✓	✓	✓	✓	✓
75	16811A0394	YARRAMSETTI HEMANTH SAI PRASAD	✓	X	✓	✓	✓	✓
76	16811A0395	YEDURU HARISH	X	✓	✓	✓	✓	✓
77	16811A0396	YELLAPU VUAY KUMAR	✓	✓	✓	✓	✓	✓
78	16811A0397	INDALA PRASAD	✓	✓	✓	X	✓	✓
79	16811A0398	JALLI VENKATESH	✓	✓	✓	✓	✓	✓
80	17815A0301	ALLA MEGHANA SANTHI	✓	✓	✓	✓	✓	✓
81	17815A0302	ANGA RAJESH	✓	✓	✓	✓	✓	✓
82	17815A0303	APPANA MAHENDRA	✓	✓	✓	✓	✓	✓
83	17815A0304	ARJILLI RAJASEKHAR	✓	✓	✓	✓	✓	✓
84	17815A0305	BALLA RAHUL	X	✓	✓	✓	✓	✓
85	17815A0306	BONDALA HARISH KUMAR	✓	✓	✓	✓	✓	✓
86	17815A0307	CH BHAVANI	✓	✓	✓	✓	✓	✓
87	17815A0308	CH YESWANTH DURGA CHELLA RAO	✓	✓	✓	✓	✓	✓
88	17815A0309	CHEEPURUPALLI RAMUDU	✓	✓	✓	✓	✓	✓
89	17815A0310	CHINTAKAYALA VENKATA VARAHA SATYA PRAKASH	✓	X	✓	✓	✓	✓
90	17815A0311	DAKARAPU DURGA PRASAD	✓	✓	✓	✓	✓	✓
91	17815A0312	DANIMIREDDI ASHOK	✓	✓	✓	✓	✓	✓
92	17815A0313	DODDI LAXMIKANTH	✓	✓	✓	✓	✓	✓
93	17815A0314	DUPPATLA VINAY	✓	✓	✓	✓	✓	✓
94	17815A0315	GORLI PAWAN KUMAR	✓	✓	✓	✓	X	✓
95	17815A0316	GUDIVADA TEJA	✓	✓	✓	✓	✓	✓
96	17815A0317	JAYACHANDRA NAVEEN KUMAR	✓	✓	✓	✓	✓	✓
97	17815A0318	KADIYAM PRAVEEN KUMAR	X	✓	✓	✓	✓	✓
98	17815A0319	KAKARA ANVESH	✓	✓	✓	✓	✓	✓
99	17815A0320	KAMBAM BHASKAR REDDY	✓	✓	X	✓	✓	X
100	17815A0321	KANDRAKOTA KRANTHI KUMAR	✓	✓	✓	✓	✓	✓
101	17815A0322	KANDREGULA SURESH	✓	✓	✓	✓	✓	✓
102	17815A0323	KANDREGULA THANUJ	✓	✓	✓	✓	✓	✓
103	17815A0324	KANNAM SATYA VENKATA SAI	✓	✓	✓	✓	✓	✓
104	17815A0325	KARI RAJESH	✓	✓	✓	✓	✓	✓
105	17815A0326	KARRI VENKATESH	✓	✓	✓	✓	✓	✓
106	17815A0327	KINTADA VENKATESH	✓	✓	✓	X	✓	✓
107	17815A0328	KONA HARI VAMSI RAM	✓	✓	✓	✓	✓	✓
108	17815A0329	KONDA MANIKANTA	✓	✓	✓	✓	✓	✓
109	17815A0330	KRISHNA BANDI	✓	✓	✓	✓	✓	✓
110	17815A0331	LANKA MOULI	✓	✓	✓	✓	✓	✓
111	17815A0332	MAJJI HEMA SATYA SAI	✓	X	✓	✓	✓	✓
112	17815A0333	MALLA JAYA PRADEEP CHANDRA	✓	✓	✓	✓	✓	✓
113	17815A0334	MAMIDI SHYAM	✓	✓	✓	✓	✓	✓
114	17815A0335	MANGALAGIRI SHANMUKA SURYA SAI	X	✓	✓	✓	✓	✓
115	17815A0336	MARISSETTI ARVINDA MOULI	✓	✓	✓	✓	✓	✓
116	17815A0337	MRUTYUNJAY SHUKLA	✓	✓	✓	✓	✓	✓
117	17815A0338	MYLAVARAPU SUMANTH	✓	✓	✓	✓	✓	✓
118	17815A0339	NAKKA APPALARAJU	✓	✓	✓	✓	✓	✓
119	17815A0340	NAKKA HARI KRISHNA	✓	✓	✓	✓	✓	✓
120	17815A0341	NELLURI SAI	X	✓	✓	✓	✓	✓
121	17815A0342	PAILA JEEVAN KUMAR	✓	✓	✓	✓	✓	✓
122	17815A0343	PALIPINI GANESH	✓	✓	✓	✓	✓	✓
123	17815A0344	PALLI MURALI	✓	✓	✓	X	✓	✓
124	17815A0345	PAPPU BALA GANAPATHY	✓	✓	✓	✓	✓	✓
125	17815A0346	PEDAPATI NAVEEN	✓	X	✓	✓	✓	X

126	17815A0347	PEDAPATI VENKATACHARI	✓	✓	✓	✓	✓	✓
127	17815A0348	PITTA KOTESWARA RAO	✓	✓	✓	✓	✓	✓
128	17815A0349	POLARAPU RAJU	✓	✓	✓	✓	✓	✓
129	17815A0350	RAMANA OSIPALLI	✓	✓	✓	✓	✓	✗
130	17815A0351	RAYI MANI KANTA	✗	✓	✓	✓	✓	✓
131	17815A0352	REDDI APPALANAIDU	✓	✓	✓	✓	✓	✓
132	17815A0353	REDDI GOPAL	✓	✓	✓	✓	✓	✓
133	17815A0354	REDDY GOVINDARAO	✓	✓	✓	✓	✓	✓
134	17815A0355	S KARTHIK KUMAR	✓	✗	✓	✓	✓	✓
135	17815A0356	SALAPU LAXMISRINIVAS	✓	✓	✓	✓	✓	✓
136	17815A0357	SAMBARU BHARGAVRAM	✓	✓	✓	✓	✓	✓
137	17815A0358	SARAGADAM JAYA KRISHNA MURTHY	✓	✓	✓	✓	✓	✓
138	17815A0359	SARAGADAM SATHEESH	✓	✓	✓	✓	✓	✓
139	17815A0360	SEERAM RAM KUMAR	✓	✓	✓	✗	✓	✓
140	17815A0361	SUDIKONDA MANIKANTA	✓	✓	✓	✓	✓	✓
141	17815A0362	THAMARANA SIVA KUMAR	✓	✓	✓	✓	✓	✓
142	17815A0363	THUTTA DURGA PRASAD	✓	✓	✓	✓	✓	✓
143	17815A0364	VANTAKULA SIVA KUMAR	✓	✓	✓	✓	✓	✓
144	17815A0365	VIJAYAKUMAR BEHARA	✓	✓	✓	✓	✓	✓
145	17815A0366	VOODI NARENDHRA	✓	✓	✓	✓	✗	✓
146	17815A0367	ADARI DURGA PRASANTH	✓	✓	✓	✓	✓	✓
147	17815A0368	SONTENA BRAHMAJI	✓	✓	✓	✓	✓	✓


COORDINATOR


HOD

Head of the Department
Department of Mechanical Engg.
Avanthi Institute of Engg. & Tech.,
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Tamaram, Makavarapalem, Narsipatnam (RD), Visakhapatnam-531113

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Mrs _____ of _____
_____ has participated in the Certificate Course entitled
on “**Automobile Mechanics and IC Engines**” during from 17th December 2018 to 22nd
December 2018 in Department of Mechanical Engineering.


Coordinator

HOD

Principal



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

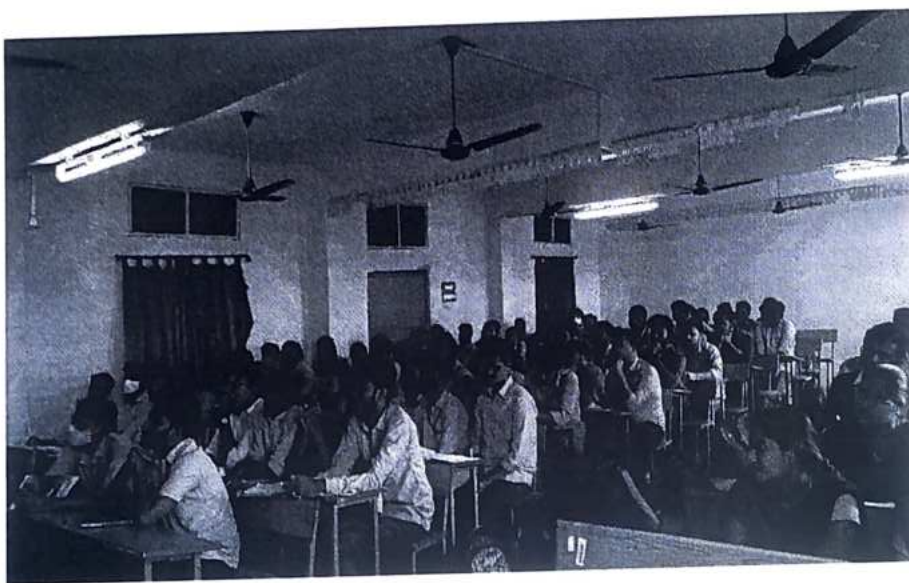
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Tamaram, Makavarapalem, Narsipatnam (RD), Visakhapatnam-531113

DEPARTMENT OF MECHANICAL ENGINEERING

A 5-Day Workshop on

Automobile Mechanics & IC Engines

Dated on - 17th December 2018 to 22nd December 2018




COORDINATOR


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Head of the Department
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Department of Mechanical Engineering

Dt:23/12/2018

BRIEF REPORT

Department of Mechanical Engineering, Avanthi Institute of Engineering and Technology had organized a certificate course on “**AUTOMOBILE MECHANICS & IC ENGINE**” from 17th DEC 2018 to 22nd DEC 2018.

We had Mr. R. Rudrabhiram, Associate Professor, from VIGNAN'S College, as the speaker to explain each and every detail Introduction of Automobile IC Engines in Industries. He explained the need for Chassis Design, working of Suspension System, Steering system, later he discussed about the types of Chassis, and the major advantage to more horsepower developed per unit weight and low cost compared to that of external combustion engine.

We had Dr. S. Jai Kumar, Assistant Professor, from GITAM College, he explain about Chassis Design, Transmission system, IC Engines. He gave the limitations that fuel used is very expensive and not suitable for large scales etc. These are generally used for Air Crafts and motor boats, Some of the topics are focused during the course Suspension system, steering system, Transmission system, Fuel supply system, later he explained about Carbon fiber monocoque, various types of breaking systems. Finally he concluded with the real time applications of IC Engines in various automobile industries.


Coordinator


Head of the Department

Head of the Department
Department of Mechanical Engg.
Avanthi Institute of Engg. & Tech.,
Makavarapalem, Narsipatnam - 531113.