



**DEPARTMENT OF MECHANICAL ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING**

(Affiliated to Visvesvaraya Technological University Belagavi & Approved by AICTE, New Delhi.)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057.

Date: 14/06/15

CIRCULAR

Mechanical Engineering faculty are hereby informing that there will be a faculty development program entitled "**Advances in I C Engines**" for three days on 19th July 2015 to 23rd July 2015. The interested candidates enroll your names with **Mr. Padmanabha G.**



HOD

Department of Mechanical Engineering

**M.O.D. Dept. of Mech. Engg.
R.C.E., Bangalore-560 057**



**Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057**



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PROGRAMME SCHEDULE

A meeting was conducted on 13th Jun. 2015 in Mechanical HOD office to discuss and finalize the following about the five days faculty development program.

- FDP program on 19th July 2015 to 23rd July 2015.
- Programme Convener- Mr. Padmanabha G
- Certificate program entitled as **Advances in I C Engines.**
- Course duration and Date

Course Content

Date	Morning Session 9.30 a.m. to 12.30 p.m.	Afternoon Session 2.00 p.m. to 5.00 p.m.
19/07/2015	Registration & Inauguration Function	Hydrogen Internal Combustion Engines
20/07/2015	Direct Fuel Injection System for Petrol	Direct Fuel Injection System for Diesel Engines
21/07/2015	Hybrid Engines	Hybrid Engines
22/07/2015	Economics & Performance of Alternative fuel for I C Engines	Economics & Performance of Alternative fuel for I C Engines
23/07/2015	Development of Low Emission I C Engines	Valedictory Function

Mr. Padmanabha G	
Mr. RamKumar M	
Mr. Ramesh N G	
Mr. MadhuKumar Y C	
Mr. ArunKumar R	

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A.C.E., Bangalore-560 057

About the College

Sapthagiri Group of Institutions is the creation of Sri Srinivasa Educational & Charitable trust, Bengaluru. Sapthagiri College of Engineering is the brainchild of honorable Sri Late Giriappa, Founder Chairman and Sri. G. Dayanand, Chairman of Sri Srinivasa Educational & Charitable trust. Sri G.D. Manoj, is the Executive Director of SCE. SCE began its glorious journey in the year 2001. It is approved and accredited by AICTE, New Delhi and is affiliated to VTU Belagavi, Karanataka. The campus of Sapthagiri College of Engineering is spread across 6.5 acres of lush green land with beautiful landscape. The area enjoys pleasant atmosphere throughout the year.

Vision

To be a best institution imparting quality engineering education to deal with community needs through learning and performance.

Mission

To implement path breaking student centric education methods. -To augment talent, nurture teamwork to transform to develop individual as responsible citizen. -To educate the students and faculties about entrepreneurship to meet vibrant requirements of the society. -Strengthen Industry-Institute Interaction for knowledge sharing.

Chief Patrons

Sri. G. Dayanand,

Chairman, Sri.Srinivasa Educational & Charitable Trust, Sapthagiri Group of Institutions, Bengaluru

Sri. G.D. Balaji,

Executive Director, Sri. Srinivasa Educational & Charitable Trust, Sapthagiri Group of Institutions

Sri. G.D. Manoj,

Executive Director, Sri. Srinivasa Educational & Charitable T, Sapthagiri Group of Institutions

Patrons

Dr. AswathKumar M

Principal, SCE, Bengaluru

Convener

Dr.S H Manjunath

Prof.& HOD, Dept. of ME, SCE, Bengaluru

Coordinator

Mr. Padmanabha G

Asst. Professor, SCE, Bengaluru

Faculty Development Programme

On

Advances in I C Engines

On

19th -23rd January 2015

Organized by

Sapthagiri College of Engineering

Department of Mechanical Engineering

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru 560057

Phone: 080-28372800/01/02/03



SAPTHAGIRI
College of Engineering

About the FDP:

This Faculty Development Training Program is intended to provide opportunity for teachers employed in AICTE approved and Anna University affiliated institutions for teaching and upgrading their knowledge in the area of Composite Materials and Mechanics. The program will be very useful for those who are involved in teaching the course Composite Materials and Mechanics at UG level. This will also provide a basic platform for a faculty who is willing to carry out research in this area.

Topics to be Covered

Overview of I.C. Engines and the Combustion Phenomenon, Determination of Performance Characteristics of I.C.Engines and solving the related problems, Analyzing engine emissions and applying suitable emission control techniques, Applying emission norms and judging appropriate diesel Particulate Filters, Alternate fuels for IC Engines, Understanding the new combustion concept: Homogeneous Charge Compression Ignition(HCCI), Biodiesel production process and strategies to use Biodiesel in CI engines and Fundamentals of Proton Exchange Membrane Fuel Cell and Direct Methanol Fuel Cell.

Resource Persons

Prof. Shivamurali Mohan Reddy A

Assistant Professor

Department of Mechanical Engineering

P E S Institute of Technology Bangalore

Prof. BasavarajGaniger

Assistant Professor

Department of Mechanical Engineering

Kalpataru Institute of Technology Tiptur



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FDP ON
Advances in I C Engines
Attendance

Sl. No.	Name	19/01/2015		20/01/2015		21/01/2015		22/01/2015		23/01/2015	
		MS	AS	MS	AS	MS	AS	MS	AS	MS	AS
1	Padmanabha.G	1	2	3	4	5	6	7	8	9	10
2	Arun Kumar.R	1	2	3	3	4	5	6	7	8	9
3	Ramesh.N.G	1	2	3	4	5	6	7	8	9	10
4	Tilak.S	1	2	3	4	5	5	6	7	8	9
5	Madhukumar.Y.C	1	2	3	4	5	6	7	8	9	10
6	Mahesh.S	1	2	3	3	4	5	6	7	8	9
7	Ram Kumar.M	1	2	3	4	5	6	7	8	9	10
8	Pranod.S.V	1	2	3	4	5	6	7	8	9	10
9	A.M.Madesh	1	2	3	4	5	6	7	8	9	10
10	P.R.Rao	1	2	2	3	4	5	6	7	8	9
11	Ullas.C.S	1	2	3	4	5	5	6	7	8	9
12	T.Venkategowda	1	2	3	4	5	6	7	8	9	10
13	Rajalakshmi.S	1	2	3	4	5	6	7	8	9	10
14	G.R.Jagannath	1	2	3	4	5	6	7	7	8	9
15	Prathima.C.N	1	2	3	4	5	6	7	8	9	10
16	Anil Kumar	1	2	3	4	5	6	7	8	9	10
17	Mahadev Prasad	1	2	3	4	4	5	6	7	8	9
18	Sunil Kumar	1	2	3	4	5	6	7	8	9	10
19	Sanjay.H.M	1	2	3	4	5	6	7	7	8	9
20											

Signature of Convener

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

REPORT

FDP on Advances in I C Engines

Department of mechanical Engineering organized FDP on **Advances in I C Engines**.

Speakers

Prof. Padmanabha G, Assistant Professor, Department of Mechanical Engineering, Sapthagiri College of Engineering Bangalore

Prof Shiva Murali Mohan Raddy, Assistant Professor, Department of Mechanical Engineering, P E S Institute of Technology Bangalore.

Prof. Basavaraj Ganigr, Assistant Professor ,Department of Mechanical Engineering, Kalpataru Institute of Technology Tiptur


Duration of the course: Jan. 19th 2015 to Jan. 23rd 2015

Date	Morning Session 9.30 a.m. to 12.30 p.m.	Afternoon Session 2.00 p.m. to 5.00 p.m.
19/01/2015	Registration & Inauguration Function	Overview of I.C. Engines and the Combustion Phenomenon
20/01/2015	Thermo chemistry and fluid mechanics of IC Engines	Performance Characteristics of I.C. Engines and solving the related problems
21/01/2015	Modeling of Diesel Engine Combustion Using Diesel Engine	Alternate fuels for IC Engines
22/01/2015	Biodiesel production process and strategies to use Biodiesel in CI engines	Proton Exchange Membrane Fuel Cell and Direct Methanol Fuel Cell
23/01/2015	emission norms and judging appropriate diesel Particulate Filters	Valedictory Function



The FDP intended to provide an intense discussion on **Advances in I C Engines**, The faculty members felt that the session was informative & gained knowledge about developments in I C Engines technology, Alternative fuels for Engines etc.


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Signature of the Convener

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Certificate

This is to Certify that Mr./Mrs. T. VENKATEGOWDA of has participated and successfully completed Five days Workshop on "Advances in I C Engines" from 19th January to 23rd January 2015 organized by the Mechanical Engineering Department, Sapthagiri College of Engineering.


HOD

Dept. of ME


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