

## ABOUT THE COLLEGE

SELVAM COLLEGE OF TECHNOLOGY (SCT) is an institution with motto of producing “self-confident world class engineers”, run by V.Ponnusamy educational and charitable Trust. The SCT was established in the year of 2006. (UGC Recognized 2(f) Status, Approved AICTE, New Delhi. Affiliated to Anna University, Chennai & An ISO 9001-2008 Certified Institution)

The college offers under graduate (Mechanical, Civil, Bio-Tech, EEE, ECE, CSE, and IT) and post graduate courses (ED, ISE, CSE, AE, PED, MCA, MBA) in the discipline of Engineering and Technology.

Selvam College of Technology, with a serene campus in a sylvan surrounding at the Namakkal – Salem (NH-7) road, the College is situated at 5km distance both from the Namakkal Bus stand and the Railway station. The architectural marvel, awe-inspiring landscape, world class infrastructure, erudite staff, enthusiastic students - all these and more reflect the professional management and foster the best learning environment.

## ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2009 with all facilities.

The department has experienced faculty members with different specializations in Design, Thermal and Production engineering. The department has received recognized research centre by Anna University, Chennai, major research areas are advanced composite materials and Alternate fuels. The department has received Rs 30 laksh from DRDO and DST for doing various researches on composite materials. The major research equipments are Bottom Stir casting machine, metallurgical microscope, Pin on disc apparatus, CI engine with data logger, exhaust gas analyzer, biogas batch reactor and pyrolysis reactor.

## CONTENTS:

- ❖ Sources of Biogas
- ❖ Biogas Production Techniques
- ❖ Thermal and Chemical Properties of Biogas
- ❖ Biogas Utilization on CI engine (Two wheeler, Tractor, Bus)
- ❖ Engine Performance and Emission Characteristics
- ❖ Engine Maintenance

## OBJECTIVE OF THE WORKSHOP:

The purpose of this workshop could help the students and researchers to know recent technologies involved in the extraction of biogas from various sources with high conversion efficiencies.

Also study of IC Engine testing with biogas operations under various operating conditions such as by varying compression ratio, fuel injection pressure, injection timing, and different blending ratio.

## WORKSHOP OUTCOMES:

At the end of the workshop, the researchers will be able to:

- Better Extraction Techniques to get good quality of Biogas.
- Know the idea about IC engines performance, combustion and emission parameters.
- Access the performance and combustion of engine under various operating conditions.
- Identify the various technologies to measure performance, combustion and emissions.

## ELIGIBILITY

Faculty Members / Researchers / Students (UG -Final Year and PG)

## SELVAM COLLEGE OF TECHNOLOGY

NAMAKKAL-3, TAMILNADU

One day National Level Workshop

On

Biogas Production and Its utilization on  
CI engine

BP & UE-2016

23<sup>rd</sup> September, 2016

## REGISTRATION FORM

1. Name:
2. Designation:
3. Institution:
4. Qualification:
5. Mailing Address:
6. Phone:
7. Email:
8. Payment Details:  
  
Demand draft  
no. \_\_\_\_\_ dated \_\_\_\_\_  
  
Amount in Rs. \_\_\_\_\_ drawn  
at \_\_\_\_\_
9. Accommodation Required: Yes / No

Signature of the Applicant

Signature of Head of Department /  
Head of the Institution

**Chief patron:**

Dr.P.Selvaraj.,B.V.Sc.,  
Chairman, Selvam Group of Institutions

**Patrons:**

Dr.B.KaviethraNandhini.,B.E.,MBA.,MS(Edu.),Ph.D.  
Secretary, Selvam Group of Institutions  
Dr. R.Prabhu, B.E, M.E; P.G.D.PM&IR,Ph.D.,  
Principal,Selvam College of Technology

**Organizing Secretary:**

Dr.R.Sasikumar, M.E., Ph.D.  
Dean (Research / Mechanical), SCT

**Convenor:**

Mr.G.Selvaraj, B.E., M.E., (Ph.D).  
ASP &Head/Mechanical, SCT

**Coordinators:**

Mr.C.Mohanraj (AP/Mechanical), 8122543335  
Mr.S.Kesavan (AP/Mechanical) 8870660668

**Resource persons:**

Dr.P.K.Srividhya  
Professor/Director,  
Periyar Renewable Energy Centre,  
Periyar Maniammai University,  
Tanjore

\*Senior Professors from Reputed Intuition.

**REGISTRATION FEE:**

For UG students : **Rs.300/-**

The registration fee should be drawn in favour of “**The Principal, Selvam College of Technology**” payable at Namakkal. Registration fee includes refreshments, working lunch, certificate of participation. No TA/DA will be paid.

**IMPORTANT DATES:**

Last date for receipt of  
Registration form with fee : **20.09.2016**  
Intimation of acceptance through  
Email or phone : **21.09.2016**

**Correspondence and completed  
Registration forms with the DD sent to:**

**Mr.G.Selvaraj,  
Convenor / BP & UE-2016  
ASP & HEAD**

Department of Mechanical Engineering  
Selvam College of Technology  
Salem Road (NH 7)  
Ponnusamy Nagar, Pappinaickenpatti(Post)  
Namakkal - 637 003  
Mobile: 9940994060

Mr.C.Mohanraj (AP/Mech), 8122543335  
Mr.S.Kesavan (AP/Mech), 8870660668

E-Mail: [sctbiogas2016@gmail.com](mailto:sctbiogas2016@gmail.com)

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**NAMAKKAL – 3, TAMILNADU**

**One day National Level Workshop**

**On**

**Biogas Production and Its Utilization  
on CI engine**

**23<sup>rd</sup> September, 2016**

**Organized by**



**Department of Mechanical Engineering**

**Selvam College of Technology**

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New Delhi. Affiliated to Anna University, Chennai &  
an ISO 9001-2008 Certified Institution)  
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