

## Introduction

The sustainable development has gained importance in society and business because of the stringent regulations in industry sectors, higher potentials for product diversification and increased public awareness. Introducing environmental requirements into the design and development of new products is very important. The current practice of product development is based on the traditional cost/profit models aiming at achieving high quality product at low cost and high profit. The integration of environmental requirements into every stage of product development is a likely approach leading to a new paradigm for sustainable manufacturing. During the product development one must be aware of the environmentally conscious design process paradox (eco-design paradox) (i.e.) the choice of product material largely determines the recycling options available or emissions produced during the usage. The designers and engineers do not always have enough data to assess the recycling options or emission impacts. The main focus of this workshop is to provide designers and engineers with a tool that they can use to consider sustainability when making decisions in situations that are characterized by the uncertainty and a lack of information and experience.

## The major objectives of this program are:

- To disseminate the basic knowledge on sustainable manufacturing to various groups like students, scientists, faculty members and industrialists.
- To enhance knowledge by getting exposure to new ideas, new developments and exchange of views by experts.

## Course Content:

- ❖ Ceramic and Metal 3D Printing.
- ❖ Materials and technologies.
- ❖ Life cycle engineering.
- ❖ Sustainable materials and processing.
- ❖ Sustainable product design and development.
- ❖ Renewable energy and sustainability.

## Resource Persons

Resource persons are eminent professors from NTUT (Taipei, Taiwan), Multimedia University (Malaysia), IITs, NITs and industrial experts from INDIA and CHINA.

## Eligibility

Faculty members from Engineering and Polytechnic colleges. Scientists, Engineers from R&D organization and professionals from industries.

## Registration Fee

For faculty members from AICTE approved institutions the registration fee is Rs. 500 /- which will be refunded on successful participation in the program. For others, the registration fee is Rs. 500 / - per person. Only limited participants are allowed to attend the workshop on “First come & first serve” basis.

## Financial Assistance

The participants from AICTE approved engineering institutions / colleges, who attend the work shop, will be provided with free food and accommodation in our college hostel. Local transportation will be arranged by our college.

**E.G.S. PILLAY ENGINEERING COLLEGE**  
**Nagapattinam – 611 002**

## REGISTRATION FORM

**AICTE Sponsored**  
**International workshop**  
**On**  
**“Sustainable Manufacturing”**  
**(IWSM-2017)**  
**24.11.2017 – 25.11.2017**

Name: \_\_\_\_\_

Date of Birth: \_\_\_\_\_ Sex: M / F \_\_\_\_\_

Designation: \_\_\_\_\_

Institution: \_\_\_\_\_

Address for Correspondence: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ PIN: \_\_\_\_\_

Phone: (O) \_\_\_\_\_ (R) \_\_\_\_\_

Mobile: \_\_\_\_\_ Email: \_\_\_\_\_

Whether your institution is approved by AICTE? Yes/No

Educational Qualification: \_\_\_\_\_

Experience (Years): Teaching \_\_\_\_\_ Industry \_\_\_\_\_

Area of Specialization / Interest: \_\_\_\_\_

Accommodation Required: Yes/ No \_\_\_ Place:

Date:

## IMPORTANT DATES:

**Last date for receipt of applications**  
**14.11.2017**

**Intimation of provisional selection**  
**(by E-mail)**  
**15.11.2017**

**Last date of receipt to confirm Participation**  
**with registration fee**  
**17.11.2017**

Signature of the Applicant

## DECLARATION

The information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinator sufficiently in advance, in case I am unable to attend the course. On provisional selection, I wish to submit the registration fee on or before 17.11.2017.

Place:

Date: Signature of the applicant

## SPONSORSHIP CERTIFICATE

Certified that Dr./Mr./Ms. \_\_\_\_\_

\_\_\_\_\_ is an employee of our institute and is hereby sponsored for the two day International Workshop on Sustainable Manufacturing (IWSM) at EGSPEC, Nagapattinam during the period of 24.11.2017 – 25.11.2017. Our institute is approved by the AICTE. He / She will be permitted to attend the course, if selected.

Place:

Signature of the Sponsoring Authority (with Seal)

## HOW TO APPLY

Application in the prescribed format attached herewith duly recommended / sponsored by the Head of the Institution / Organization should reach the coordinator on or before 14.11.2017. The selected candidates will be intimated by E-mail on or before 15.11.2017. After which they have to send the registration fee of Rs.500/ by DD drawn in favour of **The Principal, EGSPEC, Nagai** payable at Nagapattinam on or before 17.11.2017.

*Address for the correspondence:*

**Dr.S.Krishnamohan,**  
**Dean/Mechanical**  
**E.G.S. Pillay Engineering College,**  
**Nagapattinam, Tamil Nadu – 611002.**  
E-mail: [krishnamohan@egspec.org](mailto:krishnamohan@egspec.org)  
[vs@egspec.org](mailto:vs@egspec.org)  
Mobile No: 8667203368, 9843954386

## ABOUT THE INSTITUTION

E.G.S. Pillay Engineering College is one of the pioneering non-grant engineering colleges in the state of Tamilnadu. It was established by the E.G.S Pillay & Sons Educational & Charitable Trust, Nagapattinam in 1995 with the approval of the All India Council for Technical Education, New Delhi. It is affiliated to the Anna University, Chennai. It is an ISO 9001-2015 certified institution. The college offers 6 UG courses and 6 PG courses out of which 7 courses have been permanently affiliated. Five of our departments are the Anna University recognized Ph.D. research centres. Our institution has been certified by the NAAC with “A” grade. Three of our programs namely B.E (Mechanical Engineering.), B.E (Electrical and Electronics Engineering) and B.E (Computer Science and Engineering) are accredited by NBA. In this academic year, Autonomous status has been obtained, University Grants Commission (UGC) has recognized this college with 2(F) and 12(B) status. Ours is the only autonomous institution of this region comprising 10 districts. Higher education review magazine has offered the 7<sup>th</sup> rank in Tamilnadu and 24<sup>th</sup> place in India for the excellent faculty strength in 2015 and also considered to be one of the “Best Engineering College” of 2016. The college follows an outcome based education system. The vision of the institution is to become “Global Centre of Academic Excellence”.

## ABOUT THE DEPARTMENT

The department of Mechanical Engineering was established in 1995. The department offers B.E (Mechanical Engg.) and M.E. (Manufacturing Engg.) programs. B.E (Mechanical Engg.) is accredited by NBA. The department has highly qualified and experienced faculty members. The department has very good infrastructural facilities and laboratories. The teaching faculties are active in conducting research and publishing papers in reputed Journals and Conferences. The Department has already organized eight International Conferences namely (ICAET 2011, ICAET 2012, IEEE-ICAESM 2012, IEEE-ICRPET2013, IEEE-ICAET 2014, ICIRET-2014, ICASEM-2015, ICASEM-2016) and two AICTE sponsored Faculty Development Programs.

## AICTE

Sponsored

Two Day International Workshop on

# SUSTAINABLE MANUFACTURING (IWSM-2017)

24.11.2017 – 25.11.2017

Coordinators

**Dr. S. KRISHNAMOHAN**

**Dr. V. SIVARAMAN**



Organized by

Department of Mechanical Engineering  
**E.G.S. Pillay Engineering College**

(An Autonomous Institution affiliated to Anna University, Chennai. NBA and NAAC ‘A’ accredited Institution. An ISO 9001:2015 certified institute)

Nagapattinam – 611 002.

Ph. No.: +914365251114