

ABOUT THE COLLEGE

Saranathan College of Engineering was founded by “Vidya Seva Ratnam”, “Guru Seva Mani” Auditor Sri. K. Santhanam in the year 1998. It was so named in respectful memory of his Guru Principal Saranathan, the greatest ever Principal of National College. It is a self-financing college approved by AICTE and affiliated to Anna University, Chennai.

ABOUT THE DEPARTMENT

The Mechanical Engineering Department was started in the year 2005. The department offers an undergraduate programme B.E. Mechanical Engineering with sanctioned intake of 120 students and a postgraduate programme M.E Thermal engineering with a sanctioned intake of 18 students. The department is a recognized research centre of Anna University, Chennai and it has state-of-the-art laboratories, CAD centre with advanced software, a department library, experienced and expert faculty members having doctoral degrees, outstanding research publications in peer reviewed International/National journals. The department's mission is to generate employable mechanical engineering graduates with knowledge, skills and ethics; provide them with the professional and soft skills necessary to lead a successful career and peaceful life and equip them with the confidence necessary to contribute to society by performing in their respective chosen fields of endeavour.

ORGANIZING COMMITTEE

PATRON:

Shri. S.Ravindran
Secretary

CO-PATRON:

Prof. V.Nagarajan
Director

CHAIRMAN:

Dr. D. Valavan
Principal

CO-CHAIRMAN:

Dr. G. Jayaprakash
Professor & Head,
Department of Mechanical Engineering.

COORDINATOR:

Dr. N. Baskar
Professor,
Department of Mechanical Engineering.

CONVENER:

Mr. A. Saravanan
Asst. Professor,
Department of Mechanical Engineering.

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A I C T E



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Two-Day National Workshop

on

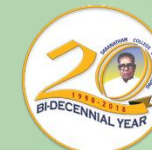
**Application of Intelligent Techniques
in Manufacturing Process**

16th and 17th of November 2017



Organized by

Department of Mechanical Engineering



SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and affiliated to
Anna University, Chennai)
www.saranathan.ac.in



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OBJECTIVES AND CONTEXT

Manufacturing field has undergone major changes due to the advancement in the field of Information Technology. Recently manufacturing system made use of various Intelligent Techniques. Academicians and Researchers in the field of manufacturing should be taught various applications such techniques. The objective of the workshop is to create a forum of experts and researchers in this field in order to share their knowledge with academicians and research aspirants. This workshop aims to offer hands-on training on Design Experiments, Grey Relational Analysis, Genetic Algorithm, Particle Swarm Optimization etc. Experts in the field will be focusing on the innovative technique and will be providing a prelude to the state of art. This workshop will provide good exposure and hands-on experience to the participants from Mechanical, Automobile, Production and other core areas of Engineering. This workshop will ascertain their knowledge in intelligent techniques and be useful for further research.

RELEVANCE

1. To create a forum for the faculty members from various colleges to interact, discuss and exchange their knowledge with the resource persons.
2. To provide guide lines and directions to begin research aspirants.
3. To provide a training on the necessary skills in mathematical modelling in modern manufacturing methods, design and precision manufacturing.
4. To train the participants in solving problems using Artificial Intelligent techniques.
5. To provide the necessary skills in Design of Experiments and Optimization

BENEFITS TO FACULTY

1. Learn research-based strategic teaching and learning practices.
2. Use of Artificial Intelligent techniques in their research activities.
3. Collaborate with guest speakers on best practices.
4. Hands-on Practice and lab sessions.
5. Gain access to the facilities and equipment's available in the vicinity of the guest speakers to their/ students project.
6. Shall incorporate such techniques in students' projects

EXPECTED OUTCOMES

1. Skill acquisition in the application of modern tools and techniques in manufacturing processes.
2. Interaction with experts for availing their state-of-the-art facilities towards innovative research.
3. Continuous learning process for a noble cause.

RESOURCE PERSONS:

Experts from academia and Industry.

REGISTRATION:

Registration fee of Rs 500* to be paid as DD drawn in favour of **“The Principal, Saranathan College of Engineering”** payable at **Trichy**. Registration will be confirmed only after receiving the duly signed registration form by sponsoring authority and DD. Selection will be on first come first serve basis, since registration is limited to 30. The selected participants will intimated by E-mail.

REGISTRATION FEE:

Faculty / Industry professionals : Rs. 500*
* Refundable deposit

ACCOMMODATION & TA/DA:

No Accommodation will be provided.
No TA & DA will be paid.

IMPORTANT DATES

Last date for receipt of application : 10th November, 2017
Intimation to participants : 11th November, 2017

Two-Day National Workshop

on

Application of Intelligent Techniques in Manufacturing Process

16th and 17th of November, 2017

REGISTRATION FORM

Name : _____
Designation : _____
Pursuing Ph.D. : YES / NO (*Tick appropriately*)
Institute /Organization : _____
Address : _____
E-mail ID : _____
Mobile : _____
DD No. / Dated on : _____
Drawn on Bank : _____

PRINCIPAL
(Seal & Signature)