

TEQIP III Sponsored  
One day National workshop on  
**Ergonomics in Product Design**

November 23, 2019

**APPLICATION FORM**

Name (in Block Letters): .....

.....

DOB: .....

Gender: Male/ Female

Category: ST/SCA/SC/BC/BCM/MBC/DNC/OC

Designation:.....

Department:.....

Organization:.....

Type of Organization: TEQIP/ NON-TEQIP

Address for Communication:

.....

.....

Office phone: .....

Mobile:.....

E-mail ID: .....

Physically Challenged: Yes / No

Demand Draft No & Date:

Bank :

Amount : Rs...../- (Non Refundable)

**Declaration**

The given information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the workshop for the entire duration.

Place :

Date :

Signature of the Applicant

**Resource persons**

1. Dr. S. Ghosal,  
The Dean of The D - School at the Jain  
(Deemed-to-be University)

**Organizing Committee**

Chief Patron: Shri. L. Gopalakrishnan  
Managing Trustee  
PSG Institutions.

Patron: Dr.K.Prakasan  
Principal in charge  
PSG College of Technology.

Chairman: Dr.M. Senthil kumar  
Associate professor & Head i/c  
Dept. of Production Engineering  
PSG College of Technology.

**Co-ordinators**

Dr. G. Madhan Mohan  
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Mr. R.Arun Prakash  
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9843417757

Department of Production Engineering  
PSG College of Technology  
Peelamedu, Coimbatore - 641004.

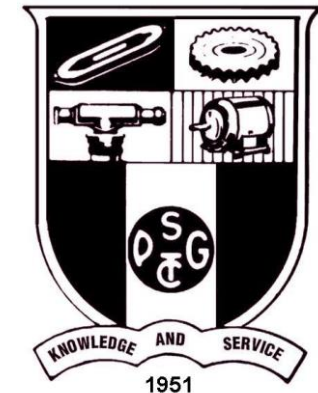
**TEQIP - III** Sponsored

One day National workshop on

**“Ergonomics in Product Design”**

**November 23, 2019**

Organized by



&

**TEQIP-3**

Technical Education Quality Improvement Programme

Department of Production Engineering

PSG College of Technology

Peelamedu, Coimbatore - 641004.

TEL: 0422-4344777, 2572177

Website: www.psgtech.edu

## **PSG College of Technology**

PSG College of Technology, a premier institution for engineering education in India, started in 1951 has developed into a centre for advanced studies and research in several areas of engineering, technology, applied sciences and management. The college is autonomous since 1978 and is certificated by ISO. The college offers 21 under graduate and 43 postgraduate programs and research programs leading to MS/Ph.D. degrees. The laboratories, workshops and library of the college are all well equipped with modern facilities suitable for learning and research.

### **Department of Production Engineering**

As manufacturing activities play a major role in the development of the country, PSG College of Technology envisaged the need for trained manpower in manufacturing and thus the undergraduate programme in Production Engineering was started in the year 1975. Department offers two graduate (B.E. Production Engineering (Regular – 4 years), B.E. Production Engineering (Sandwich – 5 years)) programmes and four post-graduate (Manufacturing Engineering; Product Design and Commerce; Virtual Prototyping and Digital Manufacturing; Production Engineering (Part-Time)) programmes. The programmes are accredited by national board of accreditation (NBA) continuously. All the laboratories of the department are approved for carrying out research, leading to MS/Ph.D. degree by Anna University, Chennai.

## **Introduction**

“Ergonomics applies information about human behavior, abilities and limitations and other characteristics to the design of tools, machines, tasks, jobs and environments for productive, safe, comfortable and effective human use” (McCormick and Saunders 1993).

Ergonomic studies find applications in various walks of life. Product design is a relevant domain in engineering wherein ergonomic principles play a major role in the development of user interfaces with the product. The absence of judicious application of these principles leads to poor customer satisfaction. In addition, ergonomics is applied to design of operations in manufacturing, design of layout, provision for lighting, ventilation, postures and manufacturing equipment. Thus, there are ample opportunities for applied research in the area of ergonomics.

This workshop is designed to serve as an imminent avenue for specialists working in industries like automotive, manufacturing, construction, interior design and office furniture.

Ergonomic principles provide possibilities for optimizing the product design. This workshop will illustrate the principles and methods to select an appropriate product design and development process for a given customer requirements. The concept of Ergonomics in context of the product design will be discussed with the help of case studies.

## **Topics to be covered**

- Industrial Design, The Design Process
- Creativity & Innovation
- Methodologies of applying the Factors of Industrial Design and Ergonomics in various Products, Machines – case studies
- User Interaction & Experience Design
- Interface Design Methodologies

### **Selection**

The course coordinators reserve the right of selection of participants. The seats are limited to 30 candidates. The preference will be on first-come-first-serve basis. The intimation regarding selection will be sent to the candidates by email as per the schedule. Certificates will be issued to the participants only after attending the complete course. No TA/DA will be paid to the participants. However, the accommodation facility may be provided to outside candidates on payment basis.

### **Registration Fee**

<b>Participants</b>	<b>Registration Fees (Rupees)</b>
Students/ academicians	500/-
Industry participants	1000/-

Mode of payment: Demand Draft in favor of “PSGCNCE”, payable at Coimbatore. Registration fee is non-refundable. The course fee includes cost towards course material, working lunch and refreshments. Students have to produce a bona-fide certificate. Registration form can be downloaded from the website.