# **Government College of Engineering,** Aurangabad

# "ANALYSIS OF RESEARCH PROBLEMS THROUGH DESIGN OF **EXPERIMENTS"**

17 – 19<sup>th</sup> March 2017

### REGISTRATION FORM

Name:	
Designation:	
Organization Name & Address:	
Address for con	nmunication:
Mobile/Tel:	
	tegory: (Please Tick)
Students & Res	earch Scholars
Institutional Par	rticipants/Faculty Members
Participants from	
Educational Qu	alification:
<b>Details of Regist</b>	tration Fee:
DD No.:	Dated:
Place:-	

**Signature of Applicant** 

Signature of Sponsoring Institute Head (With date and seal) (Photocopies of registration form are acceptable)

### **Patrons**

### Dr. S. K. Mahajan

(Chief Coordinator, SPFU) Director, Directorate of Technical Education, Maharashtra State, Mumbai

### Prof. Mahesh Shivankar

Joint Director. Technical Education Regional Office, Aurangabad

### Dr. P.B. Murnal

Principal, Government College of Engineering, Aurangabad.

#### Dr. Archana Thosar

**TEOIP Coordinator** Government College of Engineering, Aurangabad

#### Convener

### Dr. R.K. Shrivastava

Head.

Mechanical Engineering Department

#### Coordinator

### Dr. S. B. Chikalthankar

Associate Professor. Mechanical Engineering Department

## **Organizing Committee**

Dr. S.A. Patil Dr. S A Sonawane Dr. U V Hambire Prof.K.R.Madavi Prof. S.R. Kulkarni Prof.K.S.Wasanakar Prof. M. S. Harne Prof.M.G.Rathi Prof. A.N. Shinde Dr. Sved Ashfaq Prof. D. S. Darunde Prof. A.D. Acharya Prof. N.P. Balgunde

# 3 Days Workshop on

"ANALYSIS OF RESEARCH PROBLEMS THROUGH DESIGN OF EXPERIMENTS"

17 – 19<sup>th</sup> March 2017

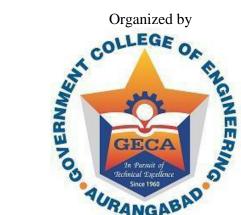
# In collaboration with IIT Bombay

Sponsored by

**Technical Education Quality Improvement Programme** (TEQIP II)

Government College of Engineering, Aurangabad

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In pursuit of global competitiveness

**Department of Mechanical Engineering Government College of Engineering,** Aurangabad

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### INTRODUCTION

Often, researchers resort to experimentation to analyze research problems. They tend to generate data that is much more than they can comprehend or is necessary. Research is always resources intensive. An economic use of resources would always permit a researcher to little deeper or encompass wider aspects of their research problem without a short fall of resources. Design of experiments, if adopted efficiently, would aid in performing experiments to the desired level of resolution thereby avoiding unnecessary investment in resources. At the same time, interpretation of the results of such designed experiments and its correlation with the cause is always an involved process often dictated by the initial design. This course aims to illustrate the role of experiments design using Taguchi Methods and results interpretation in research problems through various examples.

### **COURSE OUTLINE**

The course will provide a step-by-step learning of classical as well as modern designs for experimentation using Taguchi Methods followed by analysis of the results. Besides providing sample problems to work on, the participants will be encouraged to perform some of the experiments and use standard softwares for this purpose.

### PROSPECTIVE PARTICIPANTS

Faculty of engineering Institutions, PG students, and research scholars can benefit from this training programme. Similarly it will be useful for research organizations and R&D sections of industries.

### **RESOURCE PERSONS**

Dr. Suhas S. Joshi

Professor, Department of Mechanical Engineering, Indian Institute of Technology, Bombay.

### REGISTRATION

Candidates should complete the enclosed registration form, and send it by mail to the Coordinator. Confirmation of eligible candidates will be on a first come first served basis up to a maximum of 25 candidates. The completed registration forms should be received by the Coordinator by 15<sup>th</sup> March 2017.

### **REGISTRATION FEE**

**Faculty Participants** 

(Other than TEQIP Institutes): 19000/-

**Industry Participants: 19000/-**

The registration fee includes Tea, Snacks and Lunch for three days. Traveling, Lodging, boarding and other expenses will have to be borne by the candidates. Accommodation will have to be managed by the participants only. However, the guidance will be provided for accommodation. All the payments shall be made by **Demand Draft** in favor of "**Principal, Govt. College of Engineering, Aurangabad**" payable at **Aurangabad**.

### **IMPORTANT DATES**

Last date of Registration (by mail only): 15<sup>th</sup> March 2017
Intimation of selection (by mail only): 16<sup>th</sup>

March 2017

### **VENUE**

Seminar Hall, Department of Mechanical Engineering, Government College of Engineering, Aurangabad.

### **ABOUT AURANGABAD**

Aurangabad is a historic, holy, and a place for tourism in Marathwada region of Maharashtra State. Lord Ghrishneshwar temple, Bhadra Maruti, Saint Eknath Maharaj temple, Daulatabad Fort, Biwi-ka-Makbara, world famous Ajanta and Ellora caves are in close proximity. The city is well connected by roads, rails and air route. The maximum temperature of Aurangabad in February is about 30°C.

### ADDRESS FOR CORRESPONDANCE

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