

**Government College of Engineering,
Aurangabad**

**“Computational Fluid Dynamics: Development,
Application & Analysis”
08th Mar-12th Mar 2017**

REGISTRATION FORM

Name: _____
Designation: _____
Organization Address: _____

Tel: _____ Fax: _____
Address for communication: _____

Mobile/Tel: _____
E-mail: _____
Educational Qualification: _____
DD Details:- _____
Bank:- _____
Amount: _____
Date:- _____
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

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Principal,
Government College of Engineering,
Aurangabad

Dr. A. G. Thosar
TEQIP Coordinator
Government College of Engineering,
Aurangabad

Convener

Dr. R. K. Shrivastava
Head,
Department of Mechanical Engineering

Coordinators

K. S. Wasankar
Assistant Professor,
Department of Mechanical Engineering

Dr. S. A. Sonawane
Assistant Professor,
Department of Mechanical Engineering

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Dr. Syed Ashfaq	Prof. D. S. Darunde
Prof. A. D. Acharya	Prof. N. P. Balkhande

**ONE WEEK SHORT TERM
TRAINING PROGRAMME on**

**“Computational Fluid Dynamics:
Development, Application & Analysis”**

**08th Mar-12th Mar 2017
In collaboration with
IIT Bombay**

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

Organized by



In pursuit of global competitiveness

**Department of Mechanical Engineering
Government College of Engineering,
Aurangabad
www.geca.ac.in**

INTRODUCTION

Computational Fluid Dynamics (CFD) is a methodology for computer simulation of fluid mechanics and heat transfer problems. The simulation results in prediction of the flow fields in the domain of interest and of engineering parameters, which are very useful in the design and optimization of processes and equipment. It is an open ended application of undergraduate core courses of fluid mechanics and heat transfer. CFD reduces the time and cost for designing and analyzing engineering systems and is slowly becoming part and parcel of Computer Aided Engineering (CAE).

In academics, CFD is taught in different branches of engineering: aerospace, chemical, civil, mechanical and metallurgy. In industry, CFD is rapidly developing as a powerful analysis tool used in diverse areas like aerospace, automobile, turbomachinery, chemical, electronics cooling, biomedical, etc. The increasing importance of CFD simulation-software development, application and analysis, in the Indian industry and research organizations, along with the lack of trained manpower in this area has greatly increased the significance of this course. However, there is lack of trained teachers for this course.

OBJECTIVES

1. Understanding of physical law based algebraic formulation (finite volume method).
2. Develop Programming skills leading to startups on development of CFD Software – Make in INDIA.
3. Lab session on the application of the code and the analysis of the results.

TARGET GROUP

The Course will be useful for faculty members and research scholars from the field of aerospace, chemical, civil, mechanical and metallurgy, also persons from research organizations and R&D section of industries.

RESOURCE PERSONS

Prof. Atul Sharma

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 February 28, 2017.

REGISTRATION FEE

Faculty Participants

(Other than TEQIP Institutes) : ₹ 31000/-

Industry Participants : ₹ 31000/-

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): **28th February 2017**

Intimation of selection (by mail only): **04th 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 March is about 30-32°C.

ADDRESS FOR CORRESPONDANCE

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