

INTRODUCTION

Mission narrated by Hon'ble Prime minister as Team India, Start-up India and Stand-up India, required mechanisms "Reform to Transform". This workshop is being organized with the objective of helping faculty members, researchers, professionals and students to acquire fundamental knowledge of concepts of MATLAB, which is a high-level language and interactive environment that enables you to perform computationally intensive tasks faster than with traditional programming languages such as C, C++, and FORTRAN. This workshop is intended for the broader academic community who seeks to explore the impact of MATLAB in the industry and Academics. It is designed to develop a strong working knowledge of MATLAB, and to help students write efficient, compact programs to solve mechanical engineering and civil engineering problems of varying complexity. This workshop covers basic concepts of MATLAB and its applications in various areas of Mechanical engineering and Civil engineering. The goal of the workshop is to provide theoretical and practical introduction to MATLAB, MATLAB functions and make the participants confident enough to write simple MATLAB programs. The workshop is designed to be approximately 90 % lab training. The class size is limited, to maximize one-on one interaction.

OBJECTIVES

- To get the knowledge about the MATLAB on solving complex problem of mechanical and civil engineering.
- To provide hands-on training on "Introduction to MATLAB", MATLAB tool box, MATLAB functions, Hands on Mechanical and Civil Engineering problems.

COURSE CONTENTS

Basic:

- Starting with MATLAB.
- Mathematical Operations with Arrays.
- Two-Dimensional Plots.
- Programming in MATLAB.
- User-Defined Functions and Function Files.
- Three-Dimensional Plots.

Introduction to Toolbox:

- Optimization Toolbox.
- Global Optimization Toolbox.
- Neural Network Toolbox.
- Fuzzy Logic Toolbox.

ELIGIBILITY

This program is open to faculty members and research scholars, students of technical institutions, engineering colleges, polytechnics, universities and other recognized institutions.

RESOURCE PERSON

Dr. Amit Kumar Singh, completed his PhD from NIT Silchar, Assam and currently serves as Associate Professor in the Department of Mechanical Engineering at G. V. Acharya Institute of Engineering & Technology (GVAIET) Shelu, Karjat. He has more than 15 publications in high impact factor journals and conference proceedings. He is the Reviewer of the reputed International Journals and Conferences such as "Journal of the Brazilian Society of Mechanical Sciences and Engineering", Techno-Societal 2018, IC-RIDME2018, etc.

ORGANIZING COMMITTEE

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Two Days Training Program on Introduction to MATLAB for Engineers

(Especially for Mechanical and Civil Department)

25th and 26th February 2019

G. V. Acharya Institute of Engineering & Technology
Shelu, Karjat

REGISTRATION FORM

1. Name:
2. Designation:
3. Institution:
4. Address for communication:

E mail:

Phone/Mobile No:

5. Highest educational qualification:

6. Any other information:

7. Details of Registration Fee:

Cash:

Date:

Place:

Signature of the applicant

REGISTRATION DETAILS

Registration Fee:
Students: Rs. 100/-
Faculties and Others: Rs. 150-
Participants have to make payment via Cash only.
Brochure and registration form can also be downloaded from the institute website: <http://gvaiet.org>.

Submission deadline: Scan copy of Registration Form required to be submitted via email ID: (program.mech996@gmail.com) on or before **23rd February, 2019. The hard copy of original registration form and registration fee has to be submitted before the commencement of the program at the registration desk.**

ABOUT THE INSTITUTE

LEELA EDUCATION SOCIETY is an registered trust established in 2006 by Prof. Manjunath V. Acharya. G. V. ACHARYA INSTITUTE OF ENGINEERING & TECHNOLOGY (GVAIET) is a premier educational institute that offers professional and up to date technical education and training. In GVAIET, we offer a platform where, student can stand, visualize, grow and build a bright future for themselves. We carry out theoretical & practical study based on technological advancements. Today, we have achieved a legendary reputation and are also known for our inspirational approach towards curriculum, teaching and research. Since the time it was set up, we are working relentlessly towards becoming a premier institute that would attract scholars and brilliant students from all corners of the country.

ADDRESS FOR COMMUNICATION

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Organized by

DEPARTMENT OF MECHANICAL ENGINEERING

Leela education society

Acharya Institutions

G. V. Acharya Institute of Engineering & Technology Shelu, Karjat, Raigad-410201

(UNIVERSITY OF MUMBAI)