

About the Programme

The Basic MATLAB Faculty Development Program is a one-week comprehensive training initiative designed to empower faculty members with the skills and knowledge required to effectively integrate MATLAB into their teaching, research, and academic pursuits. This program holds immense importance as it enables faculty members to enhance their technical expertise, stay updated with industry trends, and develop innovative teaching methods, ultimately enriching the learning experience for students. By acquiring MATLAB proficiency, faculty members can create interactive simulations, visualize complex data, and develop algorithms, thereby fostering a more engaging and effective learning environment.

Upon completing the one-week program, participants can expect to achieve the following outcomes:

(1) Gain a solid understanding of MATLAB fundamentals, including data types, operators, and control structures (2) Learn to create and manipulate matrices, vectors, and arrays (3) Develop skills in data visualization, including plotting and graphing (4) Understand how to write and debug MATLAB scripts and functions (5) Explore various toolboxes and applications, such as Simulink, IOT and machine learning Signal Processing, and Image Processing. By achieving these outcomes, participants will be well-equipped to integrate MATLAB into their teaching and research activities.

The successful completion of this Faculty Development Program offers numerous benefits, including

(1) Enhanced technical expertise, enabling faculty members to develop innovative teaching methods and research projects (2) Improved student engagement and learning outcomes, as faculty members can create interactive simulations and visualizations (3) Increased research productivity, as participants can leverage MATLAB's advanced tools and features (4) Expanded collaboration opportunities, as participants can connect with peers and experts in their field (5) Enhanced career prospects, as participants demonstrate their commitment to professional development and technical excellence.

Prerequisite: We request all participants that they should complete the onramp course which is available on MATHWORKS. After registration we will provide you free access to Campus Wide Suite of MATHWORKS. Participant can access all tool box of MATLAB up to 16 Feb

2025. The prerequisite courses like. MATLAB onramp, Simulink onramp, State flow onramp and Simscap onramp.

Topics Covered but not limited to:

- Programming and Data Visualization, Soft computing techniques
- Mathematical Modelling and Simulation
- Physical Modelling and Simulation
- Event Based Modelling and Simulation
- Hardware Integration for Real World Applications (IoT)
- Application of MATLAB with Control System
- Application of MATLAB in signal processing.
- Application of MATLAB in Financial Management.
- Deep Learning Toolbox.
- Statistics and Machine Learning Toolbox.
- Hand on training with MATLAB-2025 a Campus Wide Suite.

Resource Persons

Resource persons are from Mathworks MATLAB, Reputed autonomous colleges and R & D organizations.

Eligibility

The program is intended for the faculty of Polytechnic, Engineering and Management colleges, Research Scholars and Industry person.

Important Dates

Last date for receipt of application : 02-02-2025

List of selected participants will be Intimated through mail : 03-02-2025

Registration and Fee Details

Faculty & research scholar : Rs. 300/-
Industrial Person : Rs. 600/-

Note:- Lodging and Boarding will be provided for the participants on prior request with extra charges.

Scan QR for payment



REGISTRATION FORM

*One Week
Faculty Development Programme on*

"Foundations of MATLAB: Exploring Tools for Engineering and Fin-Tech"

(2025)

IQAC cell

&

**Department of Electronics and Computer Engineering
KCES's COLLEGE OF ENGINEERING &
MANAGEMENT JALGAON**

Association with IETE

03.02.2025 to 08.02.2025

1. Name: _____

2. Designation: _____

3. Organization: _____

4. Address for correspondence with e-mail: _____

5. Telephone / Mobile No: _____

6. Teaching Experience: _____

7. Accommodation required: Yes/No

8. Transaction ID/ Receipt No:- _____

Declaration

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

Place:

Date:

Signature of the Applicant

OR

Register here

<https://forms.gle/MwJfe9ox4rLRx5R7>

About the Institute

The College of Engineering and Management, Jalgaon was established in year 2001, approved by AICTE, New Delhi & affiliated to North Maharashtra University, Jalgaon, & Dr. Babasaheb Ambedkar Technological University, Lonere. We are Khandesh College Education Society's brain-child, an institution with a vigorous past, a dynamic present and ingenious future. We offer a world of opportunities to students with modern educational philosophy and experienced faculty members. Our institution include strong engineering foundation design to prepare engineers with a broad base of technical knowledge and personality. Our five core values Honesty, Integrity, Professionalism, Altruism and dedication are key policies that guide our pathway for bright future of our student. College is located in the heart of Jalgaon city which has population of more than 7 Lakhs.

About the IQAC cell

The IQAC cell is established in 2014. The main goal is to continuously monitor and enhance the quality of educational correspondence with corporate expectation and administrative functions in KCES's COEM. IQAC Established benchmarks for different academic and administrative processes and Ensured 360 degree performance of students. IQAC collects data on various institutional processes and analyzing it for improvements. IQAC take Regular feedback from students, staff and other stakeholders is gathered to evaluate the effectiveness of educational practices. IQAC plays a pivotal role in creating a culture of quality within institutions, fostering continuous development and ensuring that the educational needs of students are met effectively.

About the E & C Department

The Electronics and Computer Department typically focuses on the study, design, development, and application of electronic systems and computer technologies. It combines knowledge from both Electronics engineering and Computer science to create solutions for various industries, including telecommunications, information technology, automation, and more. The department is constructively supported by a team of highly qualified, well experienced and dedicated

faculty who are committed to the holistic development of students and the institution's vision. The department organizes skill development programs, workshops, and certification courses by engaging the guest lectures on corporate and expert to enhance the technical and professional competencies of the students. State-of-the-art laboratories form the backbone of the department, offering students hands-on experience with advanced tools and technologies. These labs are equipped with modern software, including MATLAB, which is widely used for simulation, modeling, and analysis in various engineering applications.

Patron

Honorable Shree N. G. Bendale

President,
Khandesh College Educational Society

Convener

Prof. Dr. S. R. Sugandhi

Co-conveners

Dr. C. S. Patil

Coordinator

Prof. K. M. Mahajan Prof. R.R. Patel

Organizing Member

Prof. K. B. Patil

Prof. H. S. Deshmukh

Prof. S.M.Agrawal

Prof. S.M..Khaire

Prof. A. Y. Suryavanshi

Dr. V. P. Bhosale

Prof. P. D. Kulkarni

Prof. P. G. Bhangale

Registration Details

Contact: -

Prof. Vaishali Sarode :- Mob. No. 7588816975

Prof. Sneha Patil :- Mob.No. 9890316068

Duly filled registration form for the participation in the program should reach in the given time period on the following address:

Dept. of Electronics and Computer Engineering
KCES's College of Engineering and Management, Jalgaon
Maharashtra – 425001

Ph: (+91) 257 22 42 025, Fax: (+91) 257 22 42 027



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