

Five Days Online Workshop on **Advance MATLAB and its Applications**

(03-07 February 2020)



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About the workshop

The main objective of MATLAB workshop is to create an awareness among the professionals, faculties, research scholars and students about basic applications of MATLAB. MATLAB workshop mainly focuses on the student or faculty eager to learn about Matrix Laboratory which is a high-level language and interactive environment for numerical computation, visualization, and programming. Using MATLAB, a student or faculty can analyze data, develop algorithms, and create models and applications. The language, tools and built-in math functions provide to explore multiple approaches and reaches to solution faster than with spreadsheets or traditional programming languages. MATLAB can be used for a range of applications including signal processing and communications, image and video processing, control systems, test and measurement, computational finance, and computational biology. This workshop is going to give the participants to think over the opportunities which are available in this field. The workshop is broken in different sessions and all sessions are going to be very interesting and informative. Participants will be given enough time to clarify their doubts.

Eligibility/Target Audience

Participation in this workshop is open to the faculty members/PhD Scholars, PG/UG Students of different institutes. The number of seats are limited, hence the selection will be made on first cum first serve basis and intimation will be sent to the candidates by email. Certificates will be issued to the participants only after attending the complete course.

Course Content

The major topics to be covered but not limited to are as follows:

- **Introduction of linear algebra with MATLAB**
- **Image and Signal Processing**
- **Machine Learning/Deep learning Application**
- **Modeling and Control system**
- **Cryptography and Communication System**

Resource persons

Topic Experts from Mathworks, and IIT Kota.

Important Dates

Registration start: Jan 13, 2021

Last date of Registration: Feb 01, 2021

Registration & Other Details

- **Registration Fees: 50 Rupees** (for all Participants) .
- **Payment link:** <https://www.onlinesbi.com/sbicollect/icollecthome.htm?corpID=646985>
- **Registration Link:**
<https://forms.gle/ZQ9DerWFd9KZiHiTA>

About IIIT KOTA

Indian Institute of Information Technology, Kota (IIIT, Kota) is an institute of national importance. IIIT Kota is a joint venture of the Ministry of Human Resource Development (MHRD) Govt. of India and Govt. of Rajasthan with Industry Partners in Public-Private-Partnership (PPP) mode. IIIT, Kota was established in 2013. Currently the Institute is mentored by Malaviya National Institute of Technology Jaipur (MNIT Jaipur) and situated at MNIT Campus Jaipur. The Institute is governed by the eminent personalities of the Government, Industry and Academia. Currently we offer B.Tech in the discipline of Computer Science & Engineering and Electronics & Communication Engineering only.

About the Departments

The Computer Science Engineering Department of IIIT Kota has the qualified faculty members with various specializations such as Robotics, Autonomous Vehicle Guidance Systems, Machine Learning, Deep Learning, Networks, Mobile Computing, Natural Language Processing, Big Data Analytics etc.

The Electronics & Communication Engineering Department is one of the core department of IIIT Kota and has the qualified faculty members with various specializations such as Wireless Communication, Optical Communication, Soft Computing, RF and Microwave, Fuzzy Logic, Neural Networks, VLSI and Embedded Systems etc.

The Social Science and Humanities Department actively works in the field of mathematics which includes fractional calculus and its applications, probability random variables statistics and information theory & coding etc.

Venue

The training programme will be conducted online at Indian Institute of Information Technology, Kota, MNIT Jaipur Campus through online mode.

Chief Patron

Prof. Udaykumar R Yarangatti,
Director, MNIT and IIIT Kota

Patron

Prof. A. K. Vyas
Coordinator, IIIT Kota

Convener

Dr. Anupam Kumar
Assistant Professor,
Department of ECE, IIIT Kota

Coordinators

Dr. Anand Agrawal
Assistant Professor
Department of ECE. IIIT Kota

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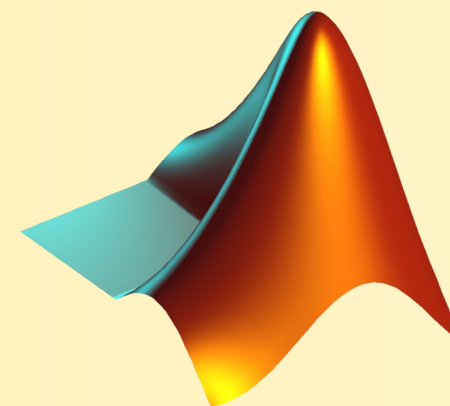
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Technical Support by MathWorks



**Organized by Indian Institute of
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