

Electrical & Electronics Engineering

Workshop on MATLAB and SIMULINK

The workshop on MATLAB and SIMULINK was organized by the Electrical & Electronics Engineering department, MAIT from the 7-9th May 2024. The event aimed to provide faculty and staff members with a comprehensive understanding and practical knowledge of MATLAB and SIMULINK, an essential tool for engineering education and research. The keynote speakers - Mr. Varun Srivastav, Dr. Monika Gupta and Prof Rajveer Mittal shared their valuable insights about the software and its application in engineering. Ms. Supriya Sharma, as the faculty coordinator, ensured the seamless execution of the workshop.

The primary objective of the workshop was to equip the faculty and staff with the skills needed to integrate MATLAB and SIMULINK into their teaching and research activities. The program sought to enhance the participants' ability to use these tools for solving complex engineering problems, thereby improving the quality of education and research outputs.

The event commenced with an inaugural speech by Dr. Monika Gupta, Head of Department EEE MAIT. She emphasized on the importance of keeping abreast with modern engineering tools and technologies to maintain the institute's academic excellence. The first day featured an introduction to MATLAB. Mr. Varun Srivastav, an expert on MATLAB conducted the sessions. Topics covered included the basics of MATLAB, its interface, and fundamental programming concepts and latest toolbox offered by MATLAB. The Hands-on training sessions post lunch allowed participants to familiarize themselves with the environment and execute basic commands and scripts. All the participants later, enrolled in the certified courses offered by MATLAB.

The second day focused on some advanced features of MATLAB, including data visualization, matrix operations, and advanced mathematical functions. Prof. Rajveer Mittal, a senior professor in Maharaja Agrasen Institute of Technology led the session. Members of staff and faculty engaged in practical exercises that illustrated the application of these features in solving real-world engineering problems. Numerous case studies were discussed and a fruitful interactive discussion happened.

The final day was dedicated to SIMULINK by speaker-Dr. Monika Gupta, HOD(EEE). Participants were introduced to the SIMULINK environment, model creation, and simulation techniques. The hands-on session included building and simulating dynamic systems models, highlighting SIMULINK's utility in control systems, signal processing, and other engineering domains. Feedbacks were taken by the participants about the workshop and their progress about the MATLAB were discussed

The workshop was highly successful in achieving its objectives. Faculty members expressed their appreciation for the detailed and practical approach of the sessions. The training provided them with the confidence and skills to incorporate MATLAB and SIMULINK into their curriculum and research projects. Participants provided positive feedback, noting the clarity of instruction and the practical applicability of the knowledge gained. Suggestions for future workshops included extending the duration to cover more advanced topics and providing additional resources for continued learning.

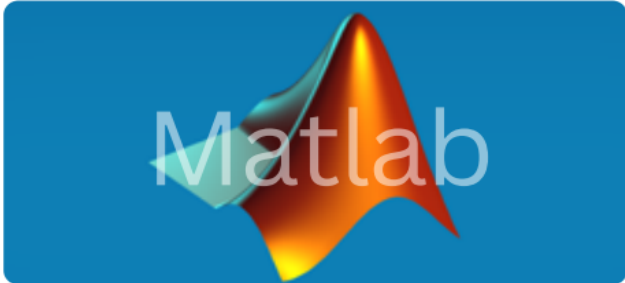


MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY
 DEPARTMENT OF ELECTRICAL AND ELETRONICS ENGINEERING



ORGANISES

Workshop on Introduction to MATLAB and SIMULINK



EXPERTS

Mr. Varun Srivastav

Dr. Monika Gupta

Prof. Rajveer Mittal

10:00 am Onwards
 7-9 May 2024
 Room no. 631, MAIT

Faculty Coordinator
 Ms. Supriya Sharma

Prof. NEELAM SHARMA
 Director
 MAIT

Prof. SS DESWAL
 Dean Academics
 MAIT

Prof. SACHIN GUPTA
 Dean Research
 MAIT

Dr. MONIKA GUPTA
 Head Of Department
 MAIT

