

Report of Activity

under MOU

(Signed between SR Group of Institutions & Eshan College of Engineering)

Name of Activity:

A two days' special workshop under MOU has been conducted by Department of Electrical Engineering of Eshan College of Engineering & SR group of Institutions, Jhansi on the topic "*Matlab Software and its Use*".

Date of Activity: 14th – 15th April 2022

The workshop provided an introduction to the MATLAB computing environment, and intended for beginning users (students). It was planned to give students a basic understanding of MATLAB, including popular toolboxes. The workshop consisted of interactive talk and sample MATLAB problems that generally students face. Hands-on session helped students with the syntaxes and functions for use in programming. The tool helps at various stages in studying subject related to processing and analysis during regular subjects throughout B.Tech Electrical Engineering programme. No prior programming experience or knowledge of MATLAB was assumed while planned this workshop. Concepts covered include basic use, graphical representations and tips for designing and implementing MATLAB code.

Objectives of Activity:

1. Understanding the MATLAB environment.
2. Being able to do simple calculations using MATLAB.
3. Being able to carry out simple numerical computations, analyses and graphics using MATLAB.


Outcomes of the activity:

- Understand the main features of the MATLAB development environment
- Use the MATLAB effectively
- Basic syntax, Looping, 2D & 3D Plotting
- Design simple algorithms to solve problems
- Write simple programs in MATLAB to solve problems
 - Solution of simultaneous linear equation
 - Solution of simultaneous non-linear equation
 - Regression, splines and polynomial interpolation
 - Solution of ordinary differential equation

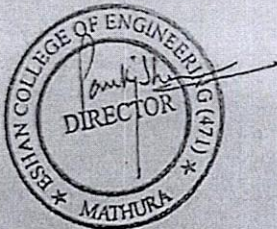
- o Numerical Integration
- o Basics optimization procedure

Summary of Activity:

The workshop was inaugurated by Prof. Pathak of EE department followed by a welcome speech by the coordinator of the workshop. Team of SR group of Institutions, Jhansi was invited as resource persons for this workshop who explained how MATLAB has become an integral and accepted part of academics and how the software is increasing its importance day by day. The workshop concluded with a final session where HOD of department and Coordinator shared their experience during the workshop and thanked the expert team of SR Group of Institutions for their efforts. They also explained how such a workshop is useful for students as well as research scholars. A vote of thanks was proposed by Ms. Lalita, AP and she thanked the team members of SR group of Institutions, the participants (students) and the organizing team of the Electrical Engineering Department.


HoD, Electrical Engineering

This activity was organized under the Memorandum of Undersigning (MOU) signed between two organizations. It strengthens the collaborative initiatives undertaken by these two organizations.


DIRECTOR



Director

College of Engineering Management
& Technology, Jhansi (U.P.)