# Dr. AKHILESH DAS GUPTA INSTITUTE OF PROFESSIONAL STUDIES
### FC-26, SHASTRI PARK, NEW DELHI.

## Department of Artificial Intelligence and Machine Learning

Dated: 7/6/2024

## REPORT

## NITTTR FDP on "Scilab Programming for Emerging Areas Applications"

**Date of Event: 3rd June 2024 to 7th June 2024**

**Venue:** AIML Smart Room (2202)

**Objectives:** The main objective of FDP/STC was to make faculty and students aware about the engineering application of Scilab Programming. Providing insights of ordinary and partial differential equations was also one of the objectives of FDP.

**Delegates (Speakers, Outsiders)**:

- Dr. Balwinder S. Dhaliwal, NITTTR Chandigarh
- Dr. Gaurav Kumar, Magma Research & Consultancy Services, Ambala
- Dr. Jagriti Saini, Eternal RESTEM
- Prof. Maitreyee Dutta, NITTTR Chandigarh

**Activities**: NITTTR FDP on "Scilab Programming for Emerging Areas Applications"
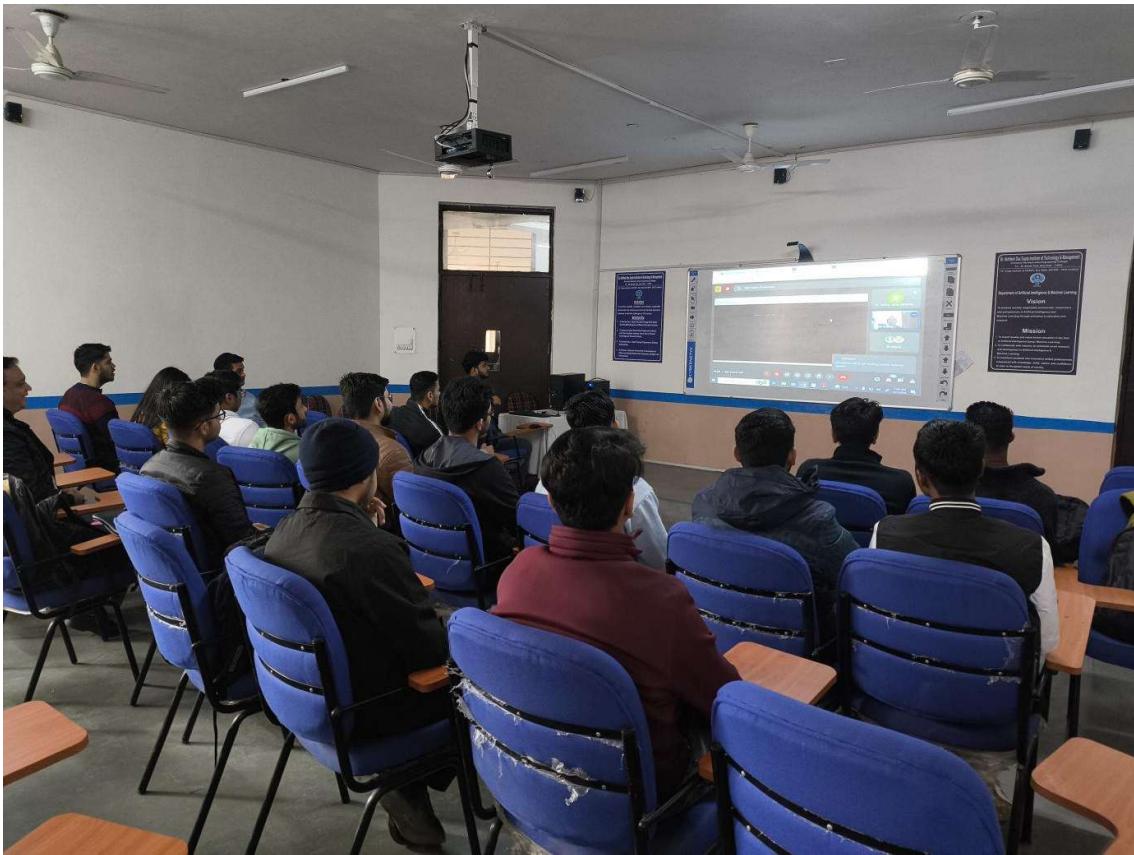
**Key Takeaways:**

- Enhanced Understanding of Polynomial and Differential Equations
- Proficiency in 2D and 3D Plotting in Scilab
- Insights into Signal Processing Tool and Neural Network Toolbox in Scilab.
- Awareness of Engineering Applications of Xcos Simulator.
- OpenCV and Machine Learning Using Scilab.

**Description:** The Department of AIML has organized an FDP on "Scilab Programming for Emerging Areas Applications" from 3rd – 7th June 2024 by NITTTR in the AIML Smart Room. Faculty Members and Students participated with enthusiam in FDP with enthusiam on all the days of FDP. Details of the content delivered is also given as ANNEXURE-1.

**Outcomes: Faculty and students** benefited from the workshop FDP.

**Beneficiaries:** Faculties and Students of ADGIPS

**Photographs of event with title:** NITTTR FDP on "Wireless Networks"

Prof. (Dr.) Suman Bhatia                    Prof. (Dr.) Ankit Verma
  **Local Coordinator**                        **Head of Department**

# ANNEXURE-1

| DAY | Session - 1<br>9:30 AM to 11:00 AM | Session - 2<br>11:30 AM to 1:00 PM | Session - 3<br>2:30 PM - 4:00 PM |
|---|---|---|---|
| DAY-1<br>03/06/2024 | Inauguration and Introduction to Scilab Programming<br>(MD/BSD) | Polynomial and Differential Equations<br>(MD) | 2D and 3D Plotting in Scilab<br>(BSD) |
| DAY-2<br>04/06/2024 | Signal Processing Toolbox in Scilab – I<br>(MD) | Signal Processing Toolbox in Scilab – II<br>(MD) | Practice and Activity Session<br>(BSD/MD) |
| DAY-3<br>05/06/2024 | Image Processing using Scilab<br>(GK) | OpenCV using Scilab<br>(GK) | Introducing Xcos Simulator in Scilab<br>(JS) |
| DAY-4<br>06/06/2024 | Engineering Applications of Xcos Simulator<br>(JS) | Neural Network Toolbox in Scilab<br>(JS) | Practice and Activity Session<br>(BSD/MD) |
| DAY-5<br>07/06/2024 | Optimization Toolbox in Scilab<br>(JS) | Machine Learning using Scilab<br>(JS) | Feedback and Valediction<br>(BSD/MD) |