

DIVISION OF ELECTRONICS AND COMMUNICATION ENGINEERING
Faculty Development Programme

NEP DRIVEN NEXT GENERATION
ENGINEERING MATHEMATICS PEDAGOGY:
APPLICATION CENTRIC LEARNING WITH COMPUTATIONAL TOOLS

Aligned with the National Educational Policy (NEP), this program empowers educators to adopt application-oriented, tool-driven and interdisciplinary approaches to Engineering Mathematics Teaching.

Registration
Fee
Rs.118/-
including GST

 **TOPICS**

- Multiple Integral Framework for Object Recognition in Digital Images
- From Derivatives to Devices: Teaching Differentiation through Engineering Applications
- Computational Approaches for Stability Analysis of Dynamic Systems
- Application-Driven Linear Algebra: Inner Product Spaces in Signal and Data Analysis
- Mathematical Foundations of Signal Processing Mathematics Behind Modern Communication Systems

 **KEY HIGHLIGHTS**

- Application-based Mathematics teaching
- Hands-on MATLAB & Python Sessions
- Real-world Engineering Case Studies
- Outcome-Based Learning Approach
- Interactive Discussions & Reflection

 **WHO CAN ATTEND?**

- Engineering Faculty Members
- Research Scholars
- Educators interested in computational pedagogy

Registration & Contact

 **Dr. P. S. Divya**

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 **OUTCOMES**

Participants will be able to:

- Apply computational tools in teaching mathematics
- Integrate engineering applications into mathematical concepts
- Enhance student engagement through practical learning
- Design NEP-aligned curriculum strategies



22 to 27 June 2026



6.30 P.M to 8.30 P.M



Online



MATLAB / PYTHON



Scan QR code to Register

**“Transforming Mathematics Education
Through Innovation and Application”**

Toll Free: 1800 88 99 888, 1800 42 54 300