



National Centre for Mathematics

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(A joint centre of TIFR and IIT Bombay)

Advanced Training in Mathematics Schools

www.atmschools.org
(Supported by National Board for Higher Mathematics)

Teacher's Enrichment Workshop (TEW) on Ordinary Differential Equations, Dynamical Systems and Chaos using Matlab

The main aim of this workshop is to combine theory with practical applications using MATLAB to delve into Ordinary Differential Equations (ODEs), Dynamical Systems, and Chaos. This workshop offers a unique opportunity for the participants to enhance their skills and deepen their understanding. In particular, the participants will learn how to utilize MATLAB's powerful computational tools to solve and analyze ODEs, simulate dynamical systems, and explore chaotic behaviors. Further, they gain hands-on experience in implementing numerical methods, conducting stability analyses, and visualizing complex data - all within the MATLAB environment. The discussed topics will be helpful in research and also enhance their teaching skills. Therefore, this workshop will benefit the college and university teachers and the prospective teachers (research scholars), thereby their undergraduate and post-graduate students

DA-IICT, Gandhinagar, Gujarat
04 - 09 January 2025

Speakers



Prof. Syed Abbas,
IIT Mandi



Dr. Mukesh Tiwari,
DA-IICT Gandhinagar



Dr. Madhukant Sharma,
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Contact Details: Application Form and all other information about the Programme are available at
<https://www.atmschools.org/school/2025/TEW/odedscum>

Last Date of Application: **04 December 2024**