SHORT TERM COURSE ON LATEX PROGRAMMING (LATEX 2024)

Organized by
Department of Mathematics, National Institute of Technology Jamshedpur
April 01- 05, 2024 (Online / Virtual Mode)

Schedule (Tentative)

Time / Date	01-04-2024	02-04-2024	03-04-2024	04-04-2024	05-04-2024
10:00-11:00	Inaugural Session (OPENING) [Chief Guest: Prof. A. Swaminathan]	LECT04 (RKB)	LECT08 (AS)	LECT12 (RKM)	LECT16 (SDAS)
11:00-11:15	BREAK				
11:15-12:45	LECT01 (AS)	LECT05 (RKB)	LECT09 (SD)	LECT13 (RKM)	LECT17 (SDAS)
12:45-14:00	BREAK				
14:00-15:30	LECT02 (IPT)	LECT06 (PK)	LECT10 (PK)	LECT14 (SDAS)	Valedictory Session (CLOSING) [Chief Guest: Dr. Ratikanta Behera] **START AT 03:00PM**
15:30-15:45	BREAK				
15:45-17:15	LECT03 (SDAS)	LECT07 (PK)	LECT11 (PK)	LECT15 (RKM)	

AS: Prof. A. Swaminathan, Indian Institute of Technology (IIT), Roorkee.

RKB: Dr. Ratikanta Behera, Indian Institute of Science (IISc), Bangalore.

PK: Dr. Pushpendra Kumar, Maulana Azad National Institute of Technology (MANIT), Bhopal.

RKM: Dr. Rakesh Kumar Meena, Jawaharlal Nehru University (JNU).

IPT: Dr. Indira P Tripathi, S. V. National Institute of Technology (SVNIT), Surat.

SD: Dr. Saikat Das, National Institute of Technology (NIT), Hamirpur.

SDAS: Dr. Sourav Das, National Institute of Technology (NIT), Jamshedpur.

LECT01: Introduction, Different platforms (Windows, Linux) in LaTeX, Installation (Important notes during installation), document class, Mathematical Terms, Symbols, Error Messages, Equations

LECT02: Different codes for Equations

LECT03: Problems in LaTeX and its Solution

LECT04: Include Graphics, Title, Abstract, Header/Footer, Paragraph, Section,

LECT05: Array, Matrix, Table, Caption, Margin, Drawing Pictures, Flow Chart

LECT06-07: Different font size, styles and Use of Tables in figure and Text

LECT08: Theorem, Lemma, Remarks, Examples, Proofs, Notes, Remarks, Class and Packages (Enumerate, Itemize, AMS Packages), Difficult mathematical formulae including Continued fractions, Special Functions, Brackets.

LECT09: Research Articles, Journal Formats (AMS, Elsevier, Springer etc)

LECT10: References/ Bibliography (Manually and Database) and citation

LECT11: References/ Bibliography (using Jabref, MathScinet, Google Scholar, Journal Website) and citation

LECT12-14: Beamer / PPT (Title page, Frame, Block, pause, enumerate etc., References, Thank You Page, ssdifferent style files)

LECT16-17: THESIS/ BOOK FORMATS

NOTE: 1. Lectures LECT01-LECT17 are not in order. It will be adjusted according to the speakers.

2. **Link for the ONLINE LECTURES has been sent through email to the registered participants.**