



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



Human Resource Development Centre
&

School of Science and Humanities
Department of Mathematics

Jointly Organizing

**One Week Capacity Building Program
on
"Contemporary Mathematics for Data-Driven Applications"**

Schedule

Date and Day	Time	Resource Person Details
Day 1 10-11-2025 Monday	9.00 AM to 9.40 AM	Inauguration Chief Guest Dr. Arya Kumar Bedabrata Chand <i>Indian Institute of Technology Madras</i>
	10.00 AM to 12.30 PM	 Dr. Arya Kumar Bedabrata Chand <i>Professor, Dept. of Mathematics Indian Institute of Technology Madras Chennai, Tamil Nadu.</i> Topic: Fractal interpolation functions and Applications
	02.00 PM to 04.30 PM	Dr. U. Srinivasulu Reddy <i>Associate Professor Department of Computer Applications National Institute of Technology, Trichy Tamil Nadu, India.</i>  Topic: Role of Mathematics in Artificial Intelligence
Day 2 11-11-2025 Tuesday	10.00 AM to 12.30 PM	 Dr. Masilamani V <i>Professor Department of Computer Science and Engineering Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, Tamil Nadu, India</i> Topic: Artificial Neural Network for Image classification
	02.00 PM to 04.30 PM	 Dr. Amalan Joseph Antony A, <i>Assistant Professor Department of Computer Science and Engineering Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, Tamil Nadu, India</i> Topic: Mathematical foundations of Cryptography

Date and Day	Time	Resource Person Details
Day 3 12-11-2025 Wednesday	10.00 AM to 12.30 PM	Dr. Deena Sunil Assistant Professor Department of Mathematics Indira Gandhi National Tribal University Amarkantak, Madhya Pradesh, India  Topic: Efficiency in MIMO through CCR
	02.00 PM to 04.30 PM	 Dr. Vijayakumar Muni Assistant Professor, Department of Mathematics Smt. Indira Gandhi Government First Grade Women's College Shivamogga District, Karnataka, India Topic: Limitations of CCR & the birth of BCC
Day 4 13-11-2025 Thursday	10.00 AM to 12.30 PM	Dr. Vijayakumar Muni Assistant Professor, Department of Mathematics Smt. Indira Gandhi Government First Grade Women's College Shivamogga District, Karnataka, India  Topic: SBM model & a case study
	02.00 PM to 04.30 PM	 Dr. Deena Sunil Assistant Professor Department of Mathematics Indira Gandhi National Tribal University Amarkantak, Madhya Pradesh, India Topic: A case study through CCR, problem solving through Python
Day 5 14-11-2025 Friday	10.00 AM to 12.30 PM	Dr. Mini Ghosh Professor, Department of Mathematics Vellore Institute of Technology, Chennai Tamil Nadu, India  Topic: Mathematical Modeling of Infectious Diseases
	02.00 PM to 04.00 PM	 Dr. Shruti Dubey Professor, Dept. of Mathematics Indian Institute of Technology Madras Chennai, Tamil Nadu, India Topic: A Fast Learning Approach for Neural Networks
	04.00 PM to 04.30 PM	Valedictory Function Chief Guest Dr. Shruti Dubey Indian Institute of Technology Madras

Note

Tea Break

FN: 11.00 AM – 11.15 AM | AN: 03.00 PM – 03.15 PM

Lunch Break

12.30 PM – 02.00 PM