Department of Mathematics has conducted one week online Short Term Course on Mathematical Modeling and Recent Computational Techniques in association with NIT Warangal during 17th October to 21st October, 2022. Total 70 participants were registered and the invited talks were delivered by the eminent professors from Prestigious universities namely NIT Warangal, HCU, Karnataka central university, Osmania university, JNTUH, Krishna University and Kevempu Uniersity.

One Week Online STC on

MATHEMATICAL MODELING AND RECENT COMPUTATIONAL TECHNIQUES

(17th to 21st October, 2022)

Organized by

Department of MATHEMATICS, SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY

In association with Center for Continuing Education, NIT-WARANGAL

17.10.2022 MONDAY	Inaugural Function & Key Note Address Dr. D. Srinivasa Charya, NIT – Warangal *Mathematical Modeling of Blood flow through a Stenosed Bifurcared Artery* **10.00 AM to 12.00 Noon**		Dr. Prasanna Kumara B. C. Dhavanagere University *Intelligent back propagated neural networks application for numerical and analytical treatment of Fin problem* **2.00 PM - 3.00PM**
18.10.2022 TUESDAY	Dr. B. C. Gireesha, Kevempu University *New similarity transformations impact on results of two-dimensional convection boundary layer flow of an incompressible fluid over a stretching sheet* **10.00AM – 11. 00 AM**	Dr. J V Ramana Murthy, NIT – Warangal *Relaxation methods for system of linear equations* **11.00 AM – 12.00 Noon**	Dr. T. Hymavathi Krishna University *Techniques to boundary value problems of fluid dynamics* **2.00 PM – 3.00 PM**
19.10.2022 WEDNESDAY	Dr. H. P. Rani, NIT - Warangal *Finite Difference Method: Unsteady natural convection flow in a square cavity* **10.00AM – 11. 00 AM**	Dr. M N Rajasekhar, JNTUH *Numerical Solutions for Partial Differential Equations – Finite Difference Method* **11.00 AM – 12.00 Noon**	Dr. Mohatar Reza, Gitam University *Introduction to Computational Fluid Dynamics and Finite Volume Method* **2.00 PM – 3.00 PM**
20.10.2022 THURSDAY	Dr. C. Raghavendra Rao, Hyderabad Central University *Real World Problems : Mathematical Modeling and its Computational Strategies* **10.00AM – 11. 00 AM**	Dr. Y Rameshwar, Osmania University *Introduction to Dynamical Systems* **11.00 AM – 12.15 Noon**	Dr. G. Janardhana Reddy Karnataka Central University *Controllability and Observability of Multi-agent Networks* **2.00 PM – 3.00 PM**
21.10.2022 FRIDAY	Dr. M. A. Srinivas, JNTUH *Principled Approach To Mathematical Modelling* **10.00AM – 11. 00 AM**	Dr. G. V. Praveen, SNIST *Research Methodology for young Scientists* **11.00 AM – 12.00 Noon**	Dr. N. Kishan, Osmania University *Computational Methods for Boundary Value Problems* **2.00 PM – 3.00 PM**
			3.00 PM – 3.30 PM VALEDICTORY