

**How to Apply:**

Participants are required to fill the online registration form by clicking on the following link:

<https://forms.gle/48gZU1p6jRM2NHMv9>

**Registration Fee: 500**

Participants need to pay the Registration Fee Online using the following details

**Account Name:** Center for Continuing Education (NITW)

**Account No:** 62403680215; IFSC: SBIN0020149

**Bank and Branch:** State Bank of India, NIT (REC) Warangal

**Selection Criteria:**

Selection will be done based on first-come-first-serve basis to a maximum number of 60 (sixty). Additionally, 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD will be sent back. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

**Instructions to the Participants for Online Course:**

1. Filling the registration form is mandatory.
2. Attendance for all the sessions, Completion of activities, assignments and online tests given by the resource persons are mandatory.
3. All sessions will be conducted in Google Meet.
4. The link will be shared before one day of commencement of STC
4. Limited seats are available on a First-Come-First-Serve basis.

**Important Dates**

Last Date for online fee payment and registration: 16<sup>th</sup> October, 2022

Selection List (by e-mail): 16<sup>th</sup> October, 2022

Duration: 17<sup>th</sup> to 21<sup>st</sup> October, 2022

**Address for Correspondence**

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**CHIEF PATRONS**

**Dr. K. T. Mahhe, Chairman, Sree Educational Group**  
**Shri. Abhijit Rao K, CEO, SNIST**

**PATRONS**

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**Dr. P. Venkat Reddy, Prof & Head, S&H Department**  
**Dr. G. V. Praveen, Professor & Head, CED**

**Coordinators**

**Dr. B. Shashidar Reddy**  
**Head, Department of Mathematics,**  
**SNIST, Hyderabad**

**Dr. K. Kaladhar**  
**Assistant Professor,**  
**Department of Mathematics, NIT Warangal**

**ORGANIZING COMMITTEE**

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Mr. S. U. Ravi kumar  
Mr. N. Yuvaraju

**One Week Online Short Term Course**

On

**MATHEMATICAL MODELING AND  
RECENT COMPUTATIONAL TECHNIQUES**  
(17<sup>th</sup> to 21<sup>st</sup> October, 2022)

**Organized by**

**Center for Continuing Education, NIT-WARANGAL**

**In association with**

**Department of MATHEMATICS**

**SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY**  
(An Autonomous Institution)  
Ghatkesar, Hyderabad – 501 301.

**COORDINATORS**

**Dr. B. Shashidar Reddy**  
**Head,**  
**Department of Mathematics, SNIST**

**Dr. K. Kaladhar**  
**Assistant Professor,**  
**Department of Mathematics, NIT Warangal**

## NIT WARANGAL

National Institute of Technology, Warangal is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech and Ph.D programmes in various specializations. All B.Tech and M.Tech programmes of NIT Warangal are NBA accredited.

The department of Mathematics has evolved as one that provides excellent teaching and research in Applied Mathematical Sciences. The Department is recognized by AICTE as the only QIP centre for PhD programmes among all NITS. The department offers M.Sc. (Applied Mathematics course) and M.Sc. (Mathematics and Scientific Computing) course

## Center for Continuing Education, NIT Warangal

The Center for Continuing Education NIT Warangal organizes FDPs/ Training Programmes/ Seminars/Workshops etc., in the frontier areas of Science, Engineering, Technology, Management, Humanities, Social science and Socially relevant themes on self-financial basis in three different modes at NIT Warangal, at NIT Warangal in collaboration with other organizations and by NIT Warangal Faculty at the Host Organization/Institute.

## Sreenidhi Institute of Science and Technology, Hyderabad

Sreenidhi Institute of Science and Technology (SNIST), Hyderabad, Telangana 501301 is a non-profit organization founded by a group of Industrialists, Academicians, Professionals and non-resident Indians with an idea of imparting purposeful education to youth. SNIST which is being sponsored by Sree Educational Group was established in the year 1997 by Dr. K.T. Mahhe, an extraordinary educationist, a pragmatic leader and a dynamic entrepreneur with rich experience in Academics and Industry with the permission of AICTE, New Delhi and the Government of Andhra Pradesh. The Institute offers 11 UG (B.Tech) and 9 PG (M.Tech and MBA) programs. SNIST is striving hard to empower the students in their technical knowledge and imbibe adequate skills through the teaching by eminent faculty. The present annual intake of the institute is 1836. The institution has been accredited by NAAC with A+ grade and NBA, New Delhi. This year SNIST is celebrating its 25th year (Silver Jubilee).

## Department of Mathematics, SNIST

The Department of Mathematics has well-experienced faculty members who plays a vital role in shaping the career of budding engineers from the first year itself. The Department of Mathematics is headed by Dr. B Shashidar Reddy. Department has 20 experienced faculty members in which 8 are doctorates and all others are pursuing Ph.D from reputed Universities. The faculty of the department is very keen in publishing the research papers in national/international conferences/journals. Till date more than 200 research papers have been published by the faculty of the department.

Apart from the regular curriculum this department also initiated in engaging employability enhancing programs like Quantitative Aptitude and Logical Reasoning for UG courses which are highly useful during the placements. The main research areas of Mathematics are Computational Fluid Mechanics, Differential Equations & Boundary Value Problems and Fixed Point Theory and its Applications.

## About STC

STC on **Mathematical Modeling and Recent Computational Techniques** will be held from 17/08.2022 to 21.08.2022 in online mode. The aim of this STC is to discuss various aspects of recent advancements of computational techniques in mathematical modeling. The STC is designed to bring together under the same canopy of the researchers, academia from different Universities for exchanging and sharing the knowledge in the field of mathematical modeling. The mathematical models are very essential for all the systems in engineering. For realizing this, in depth, the knowledge of mathematical concepts and advancements are important.

The programme will be conducted and organized by the faculty members from NIT Warangal and SNIST, Hyderabad. Academicians in the concerned field from IITs/NITs/IIITs/Central/Deemed/State Universities are invited to deliver lectures in the programme. Experts from software industries are also expected to deliver as a part of the course.

## Outcomes of STC

- Understand the basic concepts of Computational Fluid Dynamics
- Providing a platform to the research scholars to enhance the basic skills and techniques of mathematical modeling
- Enables the participants to apply the computational techniques for solving Differential equations.

## Registration Form

### SHORT TERM COURSE

On

### MATHEMATICAL MODELING AND RECENT COMPUTATIONAL TECHNIQUES

Name:

Designation:

Organization:

Teaching/Research/Industry Experience:

Educational Qualification:

Email:

Mobile Number:

Reference Number (fee paid):

Mode of payment:

Amount paid: Rs. 500

Name of the Bank:

Do you belong to SC/ST: Yes or No

## Declaration:

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the STC and shall attend the course for entire duration. I also undertake the responsibility of the course.

Place:

Date: Signature of Participant

## Sponsorship Certificate

Dr./Mr./Ms. .... is an employee of our Institute/Organization and is hereby sponsored to participate in the ONLINE STC on "Mathematical Modeling and Recent Computational Techniques" sponsored by Center for Continuing Education NIT Warangal in association with Department of MATHEMATICS, Sreenidhi Institute of Science and Technology, Hyderabad from 17<sup>th</sup> to 21<sup>st</sup> October, 2022

Signature of Head of the Institution/Organization  
(with seal)