

PATRON

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CONTACT DETAILS

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Department of Mathematics,
National Institute of Technology Warangal,
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REGISTRATION FORM

Short Term Training Programme on

**MATHEMATICAL MODELING & NUMERICAL TECHNIQUES
IN ENGINEERING AND SCIENCE
October 09-13, 2018**

Name with Designation:

Address for Correspondence

.....

Tel/Mobile no..... E-mail:

Payment Particulars: Amount Date

Transaction id.....Bank

Date:

Place:

Signature of the Applicant

Forwarded through Head Dept/ Institution

**ONE WEEK SHORT TERM TRAINING PROGRAMME ON
MATHEMATICAL MODELING & NUMERICAL
TECHNIQUES IN ENGINEERING AND SCIENCE**

**on the eve of 60th Birthday Celebrations of Prof. Y.N.REDDY
(Self-Financed)**

October 9th – 13th, 2018



STTP Chair

**Prof. D. SRINIVASACHARYA
Head, Department of Mathematics**

Coordinators

Dr. A. BENERJI BABU

Dr. J. PRANITHA

Dr. CH.RAMREDDY



Organized by

**DEPARTMENT OF MATHEMATICS
NATIONAL INSTITUTE OF TECHNOLOGY
Warangal-506 004, Telangana State, India.**

THEME

Modeling and simulation are intellectually creative and quantitatively rigorous, mainstream ways of connecting ideas with real life situations. The time has come when everyone engaged in intellectual inquiry needs to model and simulate the phenomena of his or her interest. Models help us to understand how things are organized and function. Simulating models is the way to learn how systems and their components grow and change.

A powerful and rigorous understanding of real life systems depends upon the mathematical modelling and quantitative simulations. The process of representing the fundamental concepts of real life problems make uses all the branches of scientific knowledge and functions under different names.

The objective of the program is to give training to the participants of various disciplines related to Mathematics to acquire the knowledge of recent developments in mathematical problems modeled by differential equations and their numerical computations through a series of lectures by reputed speakers. **This STTP is arranged on the eve of 60th Birthday celebrations of Prof. Y.N.REDDY.**

FOCUS OF THE STTP

Mathematical Modeling: Linear and non-linear models.

Discretization: Finite Difference, Finite Element & Finite - Volume Methods.

Instabilities: Eckhaus, Zigzag and Benjamin fair, KL Instability.

Analytical & Computational Techniques: Homotopy Analysis Method, Perturbation Methods, Spectral Methods and Adomian Decomposition Method.

Resource persons will be mainly from the Depart of Mathematics, NIT Warangal. In addition, the eminent speakers from IITs, NITs and other institutes of national importance would also be delivering lectures.

REGISTRATION FEE

	Accommodation, Training kit, Breakfast, lunch & Dinner	Training Kit & working lunch
For Faculty	5,000/-	3,500/-
Research Scholars & PG Students	3,000/-	2,000/-
Industry and R&D Organizations	8,000/-	5,000/-

The registration fee should be paid through online. The details are

Account Name : Conference Chair, Account No : 37494838784
Branch Code : 20149. IFSC Code : SBIN0020149, MICR Code : 506002030
Name of the Bank & Branch : State Bank of India, REC Warangal (NIT Campus)

IMPORTANT DATES

Last Date to Apply 20th September 2018
Information to Selected candidates 1st October 2018
No TA and DA will be paid to the participants.

The filled in registration form with the payment receipt should be sent to:
Dr. A. BENERJI BABU/ Dr. J PRANITHA / Dr. CH. RAMREDDY
COORDINATORS, STTP on MMNTES - 2018
Department of Mathematics,
National Institute of Technology Warangal
Warangal-506 004, Telangana, India.
Email: mmntoct2018@gmail.com

About Prof Y. N. REDDY

Prof. Yanala Narsimha Reddy, born on 9th October 1958 has obtained B. Sc. in 1980 from Osmania University, Hyderabad and M.Sc. in 1982 from REC Warangal. He has obtained Ph.D. in Mathematics from the prestigious I. I. T., Kanpur in 1986. He had served as a Lecturer at BITS Pilani for 3 years and at NIT Nagpur for 3 years. He has joined REC Warangal in 1992. Then he was elevated to the position of Professor in 2003. His research area is Numerical Analysis and so far published 116 research papers in the reputed International journals. He has produced so far 12 Ph.D.'s. He has visited USA and UK. He is a Member Board of Studies of several NIT's and Universities. Prof. Reddy has served as Head of the Mathematics Department for 2 times. He also served as Registrar of NIT Warangal for 2 times. He was awarded the BEST Faculty Award in 2016.

ABOUT THE INSTITUTE

The NIT Warangal, (formerly known as REC Warangal) established in the year 1959, is the first among the 31 NITs in the country. The institute offers 8 UG programs in Engineering and 29 PG programs leading to M.Tech, M.Sc, MCA and MBA degrees. All the departments of the institute conduct research programs leading to Ph.D. Degrees. According National Institutional Ranking Framework-2018, MHRD, Government of India, and NITW clinches the 25th rank among the Engineering institutes in the country. NITW spreads over 250 acres and is totally residential in nature.

ABOUT THE DEPARTMENT

The Department of Mathematics is a highly reputed department which functions with excellence as its motto. The Dept. was started in 1959 along with the other Engineering and Science Departments and has established itself as a dynamic center for academic and research activities. The Dept. has so far produced 105 Ph.D.'s and presently 20 Research Scholars are working. AICTE recognized the Dept. as QIP center for Ph.D. The Department offers M.Sc.(Applied Mathematics) and M.Sc. (Mathematics & Scientific Computing) Courses. Recently, the Department of Mathematics at NIT Warangal has identified as National Resource Centre (NRC) for Mathematics to develop online courses to train faculty within India.

ABOUT WARANGAL

Warangal city is known for its rich historical and cultural heritage. Once, the capital of the great Kakatiya Kingdom and earlier known as Orugullu or Ekasilanagaram, Warangal still retains its importance as the cultural center of the Telangana State. It is located on the Hyderabad–Warangal National Highway at a distance of 3 kms from Kazipet Railway station and 12 kms from Warangal Railway station. Participants are advised to alight either at Kazipet or Warangal depending upon the train of travel. Warangal is about 135 kms from Hyderabad, the capital of Telangana State.