

*National Conference
on*
**MATHEMATICAL MODELING
&**

**NUMERICAL TECHNIQUES
IN ENGINEERING AND SCIENCE**

Organized by
Department of Mathematics, NIT Warangal
March 20 - 21, 2020

REGISTRATION FORM

Name:

Designation:

Qualification:

Organization:

Address for Correspondence :

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Mobile.....

E-mail:

DD Particulars:

AmountNo.....

DateBank

Presenting the Paper: YES/NO

If YES: **Submit Title with Abstract in the prescribed format**

Accommodation Required: YES/ NO

Date:

Place:

Signature of the Applicant

PATRON

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Director, NIT Warangal.

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Format for Paper Title/Abstract

Title of the Paper

(Times New Roman, 14, Bold)

Name of Authors and paper presenter*

(Times New Roman, 12, Bold)

Name of the organization, City, Country

(Times New Roman, 10, Normal)

Presenting author email id

(Times New Roman, 10, Normal)

Abstract

(Not exceeding 300 words)

(Times New Roman, 12)

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**MATHEMATICAL MODELING
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IN ENGINEERING AND SCIENCE**

March 20 - 21, 2020
Sponsored under TEQIP- III



Conference Secretaries
Dr. A. BENERJI BABU
Prof Y. N. REDDY



Organized by
Department of Mathematics
National Institute of Technology Warangal
WARANGAL - 506 004, Telangana,
India.

AIM

The conference also aims at providing an interactive platform to the academia, researchers, and the industry who are working in latest developments of mathematical modelling and numerical techniques. The Organizing Committee hereby invites Faculty/ Researchers/scientists/technologists engaged in the basic as well as applied research from Universities, Research Institutions, and Industries to participate. The scientific sessions will be comprised of Keynote, Plenary Invited Lectures. Besides these, Sessions for presentation of Research Papers: oral and poster presentations are included. Authors are requested to submit the Registration Form along with the Abstract of original unpublished work not exceeding 300 words in the prescribed Format. We are also planning to publish the selected full papers with the written consent of the authors in the Conference Proceedings/SCI/SCOPUS/Web of Science Indexed Journal. The organizing committee also encourages those who want to attend without presenting papers but to benefit from the lectures/discussions and to have networking with the delegates/ Institutions.

AREAS

- **Mathematical Modeling:**
Linear and non-linear models.
- **Instabilities:**
Eckhaus, Zigzag, Benjamin fair, KL Instability.
- **Analytical Techniques,**
Perturbation Methods, HAM and ADM.
- **Numerical Techniques**
Finite Difference/Element/Volume Methods,
Spectral Radius Methods.

REGISTRATION FEE

	Accommodation, Kit, Breakfast, lunch & Dinner	Kit & lunch
For Faculty	2,000/-	1,000/-
Research Scholars/Students	1,000/-	500/-
Industry and R&D Organizations	4,000/-	2,000/-

The registration fee should be paid through Demand Draft (DD) /online payment. Mode of payment (Online transfer/Demand Draft)

Account Name : Conference Chair

Account No : 37494838784

Name of the Bank : State Bank of India

Branch : REC Warangal (NIT Campus)

Branch Code : 20149

IFSC Code : SBIN0020149

MICR Code : 506002030

DD is to be drawn in favor of "Conference Chair" payable at Warangal.

The completed Registration form (and Abstract in case of presenting paper) along with the DD should reach the coordinators on or before 10th March 2020. Selected candidates will be informed through E-mail by 15th March 2020.

No TA and DA will be paid to the participants.

Contact Address

Dr. A. BENERJI BABU/Prof Y. N. REDDY

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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 programmes in Engineering and 29 PG programmes leading to M.Tech, M.Sc, MCA and MBA degrees. All the departments of the institute conduct research programmes 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 faculty members are actively engaged in research in diverse fields such as Mathematical modeling, Numerical Analysis, Fluid Mechanics, Bio Mechanics, CFD, Operation Research, Linear Algebra and Coding Theory. The Dept. has so far produced 100 Ph.D.'s and presently 20 Research Scholars are working. AICTE recognized the Dept. as QIP centre for Ph.D. The Department offers M.Sc. (Applied Mathematics) and M.Sc. (Mathematics and Scientific Computing) Courses.

ABOUT THE 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 situated at a distance of 140 km from Hyderabad. Warangal is well connected by rail and road. NIT is just 2km away from Kazipet railway station and 12km from Warangal railway station.