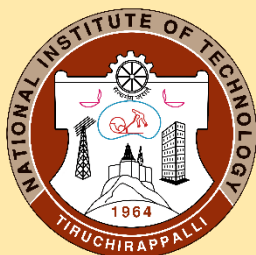


**FIVE DAYS NATIONAL
WORKSHOP ON
ALGEBRA AND ANALYSIS**

**(WAA 2023)
22-26, MAY 2023**

**Hybrid Workshop for
CSIR / GATE Aspirants**



Organized by

**DEPARTMENT OF MATHEMATICS
NATIONAL INSTITUTE OF
TECHNOLOGY
TIRUCHIRAPPALLI - 620 015
TAMIL NADU, INDIA**

THE INSTITUTE

The National Institute of Technology, Tiruchirappalli, (NITT), is an Institution of National Importance under the Ministry of Education (MoE), Government of India. The Institute is ranked no. 1 among the NITs, and 8th in the National Institutional Ranking Framework (NIRF). NITT is an autonomous co-educational technological institute, which offers Undergraduate Courses in ten branches and Post Graduate Courses in twenty-eight disciplines of Science, Engineering & Technology besides M.S. (by Research) and Ph.D. in all the departments. The Institute has a total campus area of 800 acres in Thuvakudi on the Trichy-Tanjore national highway.

THE DEPARTMENT

The Department of Mathematics is one of the pioneering and the most distinguished departments in NITT. The department comprising 20 faculty members, all with doctorate degree, is actively involved in research and in carrying out projects besides teaching. Applying multi-disciplinary research and teaching methods, the department strongly believes in finding mathematical solutions for various social-economic, technological and work-related processes and challenges. Since its inception, the department has been

supporting Ph.D. graduates to carry out challenging research work of wide ranging industrial and social implications. At present, 43 scholars are pursuing their research work in various fields of mathematics. From the academic year 2019-20, the department is offering M.Sc. Mathematics and the department is supported by DST-FIST for five years from 2021.

THE WORKSHOP

The workshop aims to focus on fundamental concepts and techniques of Algebra and Analysis which are indispensable for postgraduate students, research scholars and faculty members. An objective of the workshop is not only to sharpen one's theoretical knowledge but also to develop the skills required to formulate and solve problems in these subjects.

As a social commitment, the Department of Mathematics, NITT, organizes the workshop to help CSIR / GATE aspirants to equip themselves with better understanding of these subjects, by providing systematic and thorough treatment of the topics. Through the tutorial sessions, the participants will get an opportunity to have more detailed discussions and thereby learn the subjects in depth.

TOPICS TO BE COVERED IN WAA 2023

(But not limited to)

- Groups
- Rings
- Fields
- Vector Spaces
- Linear Transformations
- Diagonalization and quadratic forms
- Sequences and Series
- Continuity and Differentiability
- Compactness and Connectedness
- Analytic functions
- Power series representation
- Complex Integrals

RESOURCE PERSONS

- Dr. G. Arunkumar, IIT Madras
- Dr. S.V. Bharanedhar, CUTN, Thiruvapur
- Dr. M. Rajesh Kannan, IIT Hyderabad
- Dr. A. Sairam Kaliraj, IIT Ropar
- Dr. P. Veeramani, IIT Madras
- Experts from NIT Tiruchirappalli

REGISTRATION FEE

For Online Participants

Category	Amount to be paid
M.Sc. Students	Rs.300/-
Research Scholars	Rs.500/-
Faculty Members	Rs.700/-

For Offline/On campus Participants

Category	Amount to be paid
M.Sc. Students	Rs.600/-
Research Scholars	Rs.800/-
Faculty Members	Rs.1000/-

Note: Registration fee is non-refundable and does not include Accommodation charges. Registration fee to be paid by using SBI-collect only.

MODE OF PAYMENT THROUGH SBI COLLECT

1. Visit the following link:
<https://www.onlinesbi.com/sbicollect/>
2. Select the category as 'Educational Institutions'.
3. Choose "Conference and Workshop NIT Trichy".
4. Select payment category as "MATHS IJ WAA-2023" and fill up the details. Enter the correct amount in the appropriate column and zero for remaining places.
5. Download the payment receipt after making the payment.

HOW TO REGISTER

Fill up the required details and upload the fee payment receipt in the google form:
<https://forms.gle/pnMoNxXKqy2n6MYh9>

PARTICIPATION CERTIFICATE

The e-certificate will be issued to the participants those who have attended the workshop with minimum 80% attendance.

ACCOMMODATION

Limited accommodation (on sharing basis) are available in the Institute Hostels on payment. Mail should be sent to waa2023nitt@gmail.com

PROGRAMME MODE

Workshop will take place in hybrid mode (online and offline). The online meeting link (Cisco Webex) for joining the sessions of the workshop will be shared to the participants through their registered email ids.

CONTACT

Mail: waa2023nitt@gmail.com
Mobile: +91 – 9488208647,
+91 – 8300121647

ORGANIZING COMMITTEE

Convener

Dr. I. Jeyaraman

Coordinators

Dr. N. Prakash

Dr. M. Sivanesan

Last date for registration:

21, May 2023