



**4<sup>th</sup> International Conference on**

**“Materials Science and Mathematics for Advanced  
Technology (MSMAT 2025)”**

**(Under the Aegis of ICETE 2025 – A multi conference platform)**

**February 5<sup>th</sup> – 6<sup>th</sup>, 2025**

Organized by

**Basic Sciences Department**



**An off-Campus Institution of  
NITTE (DEEMED TO BE UNIVERSITY) MANGALORE**

Phone: 08258-281264; Fax: 08258-281265

Website: [msmat2025.in](http://msmat2025.in)

## About NITTE (Deemed to be University)

Nitte (Deemed to be University) has its roots in a group of Institutions established by the Nitte Education Trust. The Trust was established in 1979 by one of India's respected statesmen, Late Justice K. S. Hegde, Supreme Court Judge and Speaker of Lok Sabha, with the mission of empowering rural youth through quality education and health care. The Trust has established 43 Institutions spread in 3 campuses at Nitte, Mangaluru and Bengaluru. It offers education in diverse areas of learning including Health professions education, Engineering, Management, Humanities, General Education, Vocational Training and School/Pre-University Education.

The University offers a total of 130 Programs in the disciplines of Engineering, Medicine, Allied Health Sciences, Dentistry, Pharmacy, Nursing, Physiotherapy, Speech and Audiology, Biological Sciences, Media & Communication, Commerce, Science, Management and Architecture. It has 25000+ students, 900+ faculty members and over 2500 support staff on roll. The University campuses are spread over 52 acres in Deralakatte-Paneer areas of Mangaluru and 110 acres in Nitte.

The University received A+ Grading in NAAC Accreditation in 2021 and is ranked 65<sup>th</sup> in the NIRF 2023. The University is also placed in the 401-450 Rank band in the QS Rankings for Asia region. The constituent colleges of the University have good standing in their disciplines in the NIRF Rankings. In 2023, the Dental College is ranked 5<sup>th</sup> and the Pharmacy College is ranked 46<sup>th</sup> in NIRF. All the Undergraduate Programs of NMAMIT which are eligible for NBA accreditation are accredited by NBA. Further, the B. Pharm program of the University is accredited by NBA. The teaching hospital is accredited by both NABH and NABL.

## About NMAM Institute of Technology

Nitte Mahalinga Adyanthaya Memorial Institute of Technology (NMAMIT), an Off - Campus Centre institution of Nitte (Deemed to be University) offers under graduate, post graduate and doctoral programs. It currently offers 14 UG programs in Engineering, 7 M.Tech programs and MCA programs. The Institute is ranked, among the engineering institutes, between 101-150 band in the National Institutional Ranking Framework 2023 by the Ministry of Education, Govt. of India. ATAL Incubation Centre supported by NITI Aayog; Govt. of India is situated in the campus.

## About the Basic Sciences Department

The Basic Sciences Department includes the Department of Physics, Department of Chemistry and the Department of Mathematics. All the three Departments have been playing a profound role in providing a strong foundation for engineering curriculum. The Departments are recognized as Research Centres under VTU. The Department of Chemistry is actively involved in research in the areas like Synthetic Organic Chemistry, Green Chemistry, Nanocoatings, Corrosion Science and Polymer Composites. Till date, more than 100 research articles have been published by the Department in journals of national and international repute. Presently, 10 students are pursuing their PhD and 5 candidates obtained their doctoral degree from the Research Centre. The department has received external research funds from VGST. With more than 50 research articles published in reputed journals, the Department of Mathematics has 15 research scholars pursuing their PhD. The research is mainly focused on Graph Theory, Lattice Theory, Group Theory, Algebra, Fluid Dynamics and Tribology. The Department of Physics has more than 90 research articles to its credit in research areas such as Condensed Matter Physics, Laser and Photonics, Quantum Field Theory, Ion trapping and Atomic Physics. The department has received external research funds from VTU and VGST.

## About the Conference

NMAM Institute of Technology, Nitte is hosting the multiconference ICETE-2025 during 6<sup>th</sup> and 7<sup>th</sup> February 2025. ICETE-2025 will have seven International Conferences under its umbrella which have been organized with specific themes pertaining to different departments. The Department of Chemistry, Physics and Mathematics under the Basic Science stream, are jointly organizing International Conference on Materials Science and Mathematics for Advanced Technology (MSMAT-2025) in offline mode. The main scope of MSMAT-2025 is to offer diverse sessions on the on-going developments and applications of materials science and mathematics in designing modern technology. The conference, empowered by eminent speakers and researchers across the globe, will provide an opportunity for knowledge sharing and discussions on budding technological concepts with frontrunners in the respective fields. The deliberations include keynote addresses and invited talks by scientists around the world, oral presentations by researchers and faculty. The conference establishes multidisciplinary

summit that integrate research and education in the vital field of materials science and advances in Mathematics and that transcends institutional, industrial, research organization and global barriers.

## Keynote Speakers

Eminent researchers, academicians and industrialists will be delivering keynote address on topics pertaining to the major themes of the conference. The list of keynote speakers and related details will be updated in the website.

## Conference location

The Institute is located on the Padubidri-Karkala State Highway (SH01) which is 10 km away from Karkala, well connected with Mangalore (60 KM) and Udupi/Manipal (45 KM) through NH66 & NH169. The participants can alight at Mangalore or Udupi Railway Stations/Bus Terminals or Mangalore Airport to reach the Institute.

## Theme of the Conference and Thrust Areas

MSMAT-2025 will attract researchers and academicians in the field of basic sciences and engineering with a basic theme of co-relating applied research with technology. The conference includes but not limited to the following thrust areas:

|   |  |
|---|--|
| Surface, Interfaces and Thin Films      | Ultrafast Optics and Non-Linear Optics |
| Electrical and Magnetic Materials       | Crystal Growth                         |
| Optoelectronics and Photonics           | Polymer Science and Technology         |
| Catalytic materials and Green Chemistry | Biomaterials                           |
| Advanced Energy Materials               | Discrete Mathematics                   |
| Computational Materials Science         | Probability Theory/Statistics          |
| Advances in Nanomaterials Science       | Algebra and Matrix Analysis            |
| Metallurgy and Corrosion                | Mathematical Modeling and Graph Theory |

## Call for papers

The technical committee warmly invites abstract of original research papers describing their latest findings & research work to the conference from academic/industry professionals, R&D organizations & departments and researcher

scholars across the globe. The manuscript should contribute original research ideas, analysis & findings which is related to the conference theme. The manuscript should not have been published/under review in any journals or conference proceedings or magazines.

### **Publication partner - Yet to be finalized**

#### **Important dates**

This part will be updated once the publication partner is finalized.

|  |                           |
|--|---------------------------|
| <b>Submission of Full-length manuscript – Open</b> | <b>: 01 July 2024</b>     |
| <b>Last date to Submit Full-length manuscript</b>  | <b>: 15 November 2024</b> |
| <b>Notification of acceptance</b>                  | <b>: 01 December 2024</b> |
| <b>Submission of camera-ready Manuscript</b>       | <b>: 15 December 2024</b> |
| <b>Registration Open</b>                           | <b>: 01 December 2024</b> |
| <b>Registration Close</b>                          | <b>: 15 January 2025</b>  |

#### **Paper submission**

Conference software/tools platforms will be updated after discussion with publication partner.

1. All the abstracts of the presented papers will be published in MSMAT proceedings.
2. All papers submitted to the conference were subjected to peer review through the Scientific Review Committee.
3. Revised articles, accepted and presented in the conference are further subjected to reviews and the selected papers will be forwarded to the Scopus indexed publication. The Journal publisher may review the papers once again before the final acceptance for the publication.

#### **Paper Formats & Ethics**

All papers will be reviewed by Scientific Review Committee to avoid plagiarism. The paper should be written in English and presented in the paper template, available at the conference website.

## Registration Fee

The registration fee can be paid through NEFT as per the details given below.

| Registration fee for                           | Indian Delegates (INR) | Foreign Delegates (USD \$) |
|--|------------------------|----------------------------|
| Research scholars/PG/UG students/ Academicians | Under discussion       | Under discussion           |
| Industry professionals, R&D organizations      | Under discussion       | Under discussion           |

## NEFT/RTGS details

A/c Holder Name : Nitte Deemed to be University

Bank Name : Canara

Bank Branch : Nitte

Account Type : S/B

Account No. : 110047322915

IFSC/RTGS code : CNRB0010115

MICR Code : 576015041

The proof of NEFT payment (with UTR No., date & time, Applicant name & Paper Id) along with registration form needs to be communicated through email to [msmat.nmamit@nitte.edu.in](mailto:msmat.nmamit@nitte.edu.in).

## Committees

Full core - committee of ICETE 2025 will be updated soon.

### MSMAT 2025 - Programme Chair:

**Dr. Shivaprasad Shetty M.**, (Lead Chair), Associate Professor & Head, Dept. of Chemistry

**Dr. Shobha R. Prabhu**, Associate Professor & Head, Dept. of Physics

**Dr. Kumudakshi** Associate Professor & Head, Dept. of Mathematics

### MSMAT-Organizing Secretary

Dr. Subrahmanya I Bhat

Assistant Professor  
Department of Chemistry

### MSMAT-2025 Committees

| Publication              | Event Management & Stage | Finance                  |
|--------------------------|--------------------------|--------------------------|
| Dr. Ramesh Bhat          |                          | Dr. Ashwini Kumari       |
| Dr. Manjunatha K B       | Dr. Sarvajith M S        | Ms. Vinaya Acharya       |
| Dr. Ganesh Kumar K       | Dr. Vasanth K.R.         | Accommodation &          |
| Dr. Santosh Kumar Tiwari | Dr. Saritha Suvarna      | Transportation           |
| Printing & Publicity     | Ms. Bhavya D.            | Dr. Nagaraja B.S.        |
| Dr. Janardhana Nayak     | Refreshments             | Dr. Shyam Prasad K.      |
| Dr. Sarvajith M S        | Dr. Raghavendra Bairy    | Dr. Ganesh Kumar K       |
| Dr. Shyam Prasad K.      | Ms. Smitha G. V.         | Ms. Smitha G.V.          |
| Ms. Anitha D. Bayar      | Registration             | Hospitality              |
| Compendium               | Dr. Chaithra K.          | Dr. Aarti S Bhatt        |
| Dr. Aarti S. Bhatt       | Dr. Ranjitha             | Dr. Raghavendra Bairy    |
| Dr. Nagaraja B.S.        | Dr. Prashanthi K. S.     | Dr. Santosh Kumar Tiwari |
| Dr. Sharad M Hegde       | Ms. Bhavya K.            |                          |
| Web In Charge            | Conference Kit           |                          |
| Dr. Vasanth K. R.        | Dr. Ranjitha             |                          |
| Dr. K. T. Satyajith      | Dr. Girija K. P.         |                          |
|                          | Ms. Sharmila             |                          |
|                          | Ms. Anjana Pai K.        |                          |
|                          | Ms. Soumya               |                          |

### Conference Advisory Committee

**Dr. L. W. Beineke**, Professor Emeritus, Department of Mathematical Sciences, Purdue University Fort Wayne, Indiana

**Dr. Pramod V. Menezes**, Scientist, Institute of Electrochemistry, Ulm University, Germany

**Dr. Ravichandran Kallarigowda**, Senior Scientist, Innovation & Technology Research, American Dental Association, Chicago Ave, Chicago



**Dr. Vilas Kharat**, Professor, Department of Mathematics, Savitribai Phule Pune University, Pune, Maharashtra, India

**Complete committee details will be updated**

## Technical Advisory Committee

**Dr. M.S. Santhosh**, Senior Scientist and Head, Coal to Hydrogen Energy for Sustainable Solutions (CHESS) Division, CSIR-CIMFR, Dhanbad, Jharkand, India

**Dr. Sampath Kumar H.C.**, Manager (QC, R&D), MRPL, Mangaluru, Karnataka.

**Dr. B. R. Shankar**, Professor, Department of MACS, NITK, Surathkal, Karnataka, India

**Complete committee details will be updated**

## Contact us

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