

Resource Persons

Dr. Arun M Umarji
Materials Research Centre, IISc, Bengaluru

Dr. Balaram Sahoo
Materials Research Centre, IISc, Bengaluru

Dr. Arjun Dey
Scientist, ISAC, Bengaluru

Dr. H Sundaramurthy
Chairman, Fenite Metallurgicals, Bengaluru

Dr. Dinesh Rangappa
Chairman, PG Studies
Department of Nanotechnology
VTU, Muddanahalli

Dr. R Chandrashekar
Former Professor & HoD of Mechanical Engineering
MSRIT, Bengaluru

Dr. K G Basava Kumar
Professor, Department of Mechanical Engineering
RNSIT, Bengaluru

Important Dates

Fully filled registration form has to reach through email or WhatsApp on or before **July 21 2018**

WhatsApp: 9742216445
email ID : fdp2018rnsit.mech@gmail.com

Accommodation

Accommodation will be provided for the outstation delegates on first-come first-serve basis in our college hostel with prior intimation on payment of nominal charges.



Chief Patron

• **Dr. R N Shetty**
Chairman, RNS Group of Companies

Advisory Committee

• **Dr. H N Shivashankar**
Director

• **Dr. M K Venkatesha**
Principal

• **Dr. G T Raju**
Vice-Principal and HoD - CSF

Organizing Chair

• **Dr. T Sreenivasan**
Professor & Head

Coordinators (Contact Persons)

Mr. Preetham S, Asst. Prof. (9844905164)
Mr. Ranganatha Bhai, Asst. Prof. (9742216445)
Mr. Chetan K, Asst. Prof. (8970355660)

Who can attend the FDP?

Faculty Members from Mechanical Engineering Department, Basic Science Departments, Research Scholars and Delegates from Industries.

Registration Fee

Faculty Members	Rs 700/-
Research Scholars	Rs 500/-
Industry Delegates	Rs 900/-

Registration can be done by submitting filled-in registration form along with a DD (drawn in favor of "The Principal, RNSIT, Bengaluru"), or through online payment at the following details;

Bank Name	CANARA BANK
Branch	RNSIT
SB A/C No	8574101050101
IFSC	CNRR0008574

RNS INSTITUTE OF TECHNOLOGY

UAEET Approved, VJTI Affiliated & NAAC Accredited with 'B' Grade
Dr. Vikramadithyan Road, Channarayana, RR Nagar Post,
Bengaluru - 560 098

Ph: 080-26611000-1

Website: www.rnsit.ac.in



3-day Faculty Development Programme

ON FUTURISTIC MATERIALS AND THEIR APPLICATIONS

July 25 - 27, 2018

Convener
Dr. K G Basava Kumar

Organized by

Department of Mechanical Engineering

In association with

**CADD
CENTRE**



About RNSIT

Vision
Building RNSIT into a World Class Institution

Mission
To impart high quality education in Engineering and Technology and Management with a difference, enabling students to excel in their career.

R N Shetty Institute of Technology (RNSIT) established in the year 2001, is the brain-child of the Group Chairman, Dr. R N Shetty with a continuous desire to provide quality education to the society, the group has established RNSIT, an institution to nurture and produce the best of engineering talents in the country. The institution offers seven UG, two M.Tech, MCA and MBA programs. Six Departments have been recognized by VTU as Research and Development Centers and is one of the best and top accredited engineering college in Bengaluru.

About Mechanical Engineering Department

Vision
To become a center of excellence in Mechanical Engineering and to nurture technically competent and socially responsible engineering professionals.

Mission
To build enabling environment with state-of-art infrastructure facilities along with committed, experienced faculties for providing an excellent teaching learning and research in order to produce entrepreneurs and innovators in the field of Mechanical Engineering for sustainable improvement.

- To impart basic fundamentals of Maths, Science and Mechanical Engineering to analyze and to solve any diversified Mechanical Engineering problems involving complex design of products and to carry out engineering analysis by using modern tools.
- To prepare students for successful careers in industry to meet the needs of Indian and Global companies or to become entrepreneur.
- To provide opportunity for students to work in their individual capacity as well as in function as teams on multidisciplinary projects.
- To enable students for lifelong learning and introduce them to professional ethics and sustainable development.

The College has started offering course in Mechanical Engineering from 2011. The present intake of the department is 180. The department has committed teaching faculties with both academic and industrial background. The Department has received a sum of Rs 21.60 lakh as R & D grants under NRB Project.

The department continuously strives to build the gap between the academics and industries by organizing workshops, Industrial visit, technical seminars and guest lectures in the field of Robotics, CNC, Design, UAV's etc. The department also has MoUs with Bosch Rexroth (CoE) Automation Technologies, CADD CENTER, Engineering Materials, Empower-Systems which encourage our students in taking up paid internships and also helps our students in getting placed in reputed core companies.

About the FDP

Cutting-edge advances in materials are opening up vast new opportunities in engineering, and design of products. Futuristic materials are the group of new and state-of-the-art materials that will have significant influence on many of our advanced technologies due to their enhanced properties and ability to sense the changes in the environments and then respond to these changes in predetermined manner.

The course aims to provide a forum to create awareness about the latest advancements and developments in these futuristic materials as well as to motivate the faculty members and budding researchers to opt this area for their research.

Course Content

- Structure and Property relationship
- Advancements in Nanomaterials and their applications
- Challenges and opportunities in thermoelectric materials
- Advanced Piezoelectric materials and their applications
- Shape Memory Alloys and their applications
- Functional materials & their spacecraft applications
- Influence of Melt Treatments on Microstructure & Mechanical properties of Aluminum & its alloys

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3-day Faculty Development Programme

ON FUTURISTIC MATERIALS AND THEIR APPLICATIONS

July 25 - 27, 2018

REGISTRATION FORM

Name:

Designation:

Qualification:

Department:

College:

Phone:

Email ID:

DD / NEFT Details:

Signature:

Date:

Place:

Endorsement by the Head of the Department