Patron

Prof. Rakesh Sehgal
Director, NIT Srinagar

Chairman & Convener

Dr. Shabir Ahmad Sofi
Head, Information Technology Dept.

Coordinator

Prof. Sheikh Nazir Ahmad
Head, Mechanical Engg. Dept.

Dr. Mohammad Mursaleen
Assistant Professor, MED

Co-Coordinator

Dr. Sandeep Rathee
Assistant Professor, MED

Dr. Dinesh Kumar Rajendran
Assistant Professor, MED

Organizing Committee

Dr. Sheikh Ghulam Muhammad
Ex Associate Professor

Mr. Saboor Fayaz Lone
Ph.D Scholar, MED

Mr. Shazman Nabi
Ph.D Scholar, MED

Mr. Basant kumar
Ph.D Scholar, MED

About NIT SRINAGAR

National Institute of Technology, Srinagar was established in 1960 as the Regional Engineering College, Srinagar. The Institute obtained the title of NIT in August 2003 and attained complete autonomy in academics. In 2007, it became an Institute of National Importance. It is one of the 31 NITs and is directly under the jurisdiction of the MHRD. The Institute is situated near the shores of the world-famous Dal Lake. Besides providing several undergraduate, postgraduate, and doctorate programmes, the Institute has also created an Innovation Incubation and Entrepreneurship Development (IIED) unit.

VISION OF THE INSTITUTE

To establish a unique identity as a pioneer technical institute for NIT Srinagar by developing high-quality technical human resources and technological resources that aim at the economic and social development of the nation as a whole and the region, in particular, keeping in view global challenges.

Sponsored by AICTE

One Week

Short Term Training Programme (STTP)

On

Biomedical Devices : Design and Manufacturing

(20-06-2022 to 24-06-2022)

Organized by

Department of Mechanical Engineering

National Institute of Technology Srinagar

Hazratbal Srinagar-190006, Jammu & Kashmir

RESOURCE PERSONS

Resource Persons for the STTP will be highly experienced faculty members from reputed institute like IITs, NITs and Central Universities.

ABOUT MECHANICAL ENGINEERING. DEPT.

The Department of Mechanical Engineering has evolved into one of the finest in terms of teaching curriculum and methodology supported by a well-organised and adequately funded research program. The Department has a very well-established B. Tech program complemented by two M. Tech. programs in Mechanical System Design and Industrial Tribology and Maintenance Management. The department is, perhaps, the most versatile in terms of the range of specializations of its faculty members and a well experienced support staff.

DEPARTMENT VISION

To nurture mechanical engineers with passion for professional excellence, ready to take global challenges and to serve the society with high human values.

DEPARTMENT MISSION

To provide facilities and infrastructure for academic excellence in mechanical engineering.

Teach the student the passion for understanding professionalism, ethics, safety, and sustainability and then actively contribute to society.

To nurture creativity and encourage innovative solutions to challenging real-life problems in mechanical engineering students.

Registeration is open

https://forms.gle/5HbGTvq4Q3jsqS3z5

WHO CAN ATTEND?

The faculty members of the AICTE approved institutions, Research scholars, Students of Biomedical science, participants from Government, Teachers and staff of host institutions.

Scan the QR Code to Apply

About the STTP

The Department of Mechanical Engineering will offer an intensive FDP on the design and manufacturing of Biomedical devices National Institute of Technology, Srinagar. AICTE sponsors it. The FDP is designed to cater to academicians' needs, scientists from R & D houses, Labs and practising engineers from industries. This programme will be specifically helpful for persons concerned with training/teaching, research, and applications of Biomedical devices and additive manufacturing.

STTP Objectives

Design and manufacturing of cranial prosthesis and surgical guides for spine surgery using MIMICS and 3-Matic software on FDM Fortus 450mc.

STTP Contents

- Introduction to additive manufacturing
- Introduction to medical modelling
- Design of Biomedical devices
- Introduction to MIMICS and 3-Matic
- 3D-model generation
- Iliac segmentation region drawing
- STL file generation
- Application of 3-Matic software for design of cranial prosthesis and surgical guides for spine surgery
- Manufacturing of devices using Fortus 450mc

STTP Highlights

- FDP Fees : Nil
- Seats are limited and the selection will be done on first-cum-first-serve basis