

## REGISTRATION FORM

Virtual National Workshop  
On  
**Biomaterials: Design, Development and scope  
for Future generation**  
**03<sup>rd</sup> - 07<sup>th</sup> November 2020**

<https://forms.gle/cHypGzuibrKmJZRc6>

**\*\* (Google form registration is mandatory)**

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Registration fee Details

Amount: \_\_\_\_\_

Mode of Payment: \_\_\_\_\_

Date: \_\_\_\_\_ Signature of Applicant

I hereby forward and recommend the above applicant for attending the workshop on **“Workshop on Biomaterials: Design, Development and scope for Future generation”**, 03-07<sup>th</sup> November-2020.

Signature of  
HOD/Head of Institute with seal.

**\*\* -Most Important please**

### Patron

Prof. Dr. Goutam Sutradhar  
Director, NIT Manipur

### Chairman

Prof. Rajesh Kumar Bhushan,

### Convener

Dr. Anil Kumar Birru,  
Dr. Neeranjan Huirem

### Coordinators

Dr. Sabindra Kachhap,  
Dr. Kh. Nimo Singh,  
Miss. Maibam Bindya Devi

### Organizing secretary

Mr. (Dr.) Prabhat Kumar

### Technical officer

Mr. Laishram Birjitlai

### Advisory Members

Dr. Dushyant Singh  
Dr. Surendra Singh  
Dr. O. Bankimchandra  
Dr. Sh. Lenin Singh  
Dr. L. Herojit Singh  
Dr. Th. Subhaschandra  
Mr. (Dr.) Ashutosh Kumar  
Singh

### For any queries

Address for Communication

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## Virtual National Workshop On

**Biomaterials: Design,  
Development and scope for  
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**Sponsored by:**

**Technical Education Quality  
Improvement Programme – III**

**Organized by**

**Department Of Mechanical  
Engineering,  
National Institute of Technology  
Manipur,  
Imphal-795004 India**

## ABOUT THE INSTITUTE

National Institute of Technology Manipur, a centrally funded institution is set up to impart quality technical education at various levels of higher learning. It is one of the ten new NITs established and developed as Institute of National Importance by an act of Parliament. NIT Manipur started its first session with the three branches of Engineering-Electrical & Electronics Engineering, Electronics & Communication Engineering and Computer Science Engineering. The functioning of the institute was started at its temporary Campus at Takyelpat, Imphal under the mentorship of NIT, Agartala. The Institute has acquired 138.2 hectares of land in the lush green areas of Langol, Imphal and started its functioning at its permanent campus since 2014. This Institute now has five branches of Engineering viz CSE, EEE, ECE, Civil, Mechanical and Basic Sciences and Humanities Department and offer courses on B. Tech., M. Tech., M. Sc., and Ph. D.

## ABOUT THE DEPARTMENT

The Mechanical Engineering Department, NIT Manipur was established in the year 2013 and it is presently offering B.Tech. M.Tech. and Ph.D. programs. The department boasts of well-experienced faculty and advanced laboratory facilities in the various micro specialization. Many R&D projects are also ongoing and the department is on the verge of starting partnership with various Industries, Research-oriented Organizations, and other Academic Institutions.

## ABOUT THE IMPHAL CITY

Imphal is the capital of Manipur, a state in northeastern India... It is one the loveliest spots in the different cultures, sports, and good climate. It is the center of all cultural, commercial and political activities of the state. On the Imphal River, Kangla Fort was once

the seat of local rulers and now houses relics. On the south side of the centuries-old polo ground, Manipur State Museum has displays including tribal artifacts and a large royal boat. Next to the former Royal Palace, Shri Shri Govindaji Temple has twin domes, a large hall, and shrines to Hindu gods, etc; moreover Manipur is called as 'Manipur – The Land of Jewel'

## ABOUT THE WORKSHOP

### OBJECTIVE

The Biomaterials workshop will identify audacious or high risk/high pay -off opportunities in biomaterials where an investment in mid-scale instrumentation would significantly advance the understanding and discovery of new biomaterials and discovery of phenomena. Biomaterials are of high priority, as they enrich and prolong human lives, promote understanding of nature, and enable research and industry capabilities that contribute to advancements - including economic competitiveness and workforce development. This workshop will identify fundamental biomaterials research areas of national importance that would benefit the young Engineers and Doctors for collaborative research. Workshop participants will explore ways in which these investments would transform our basic understanding and accelerate biomaterials discoveries over current challenges, innovative methodologies and available tools. The workshop will provide the platform to design and build a framework through contributions from the ideas and experience of professors of Institute of National Importance and experienced doctors who will contribute and give insight to the need for such a platform and how the various areas of biomaterials research may benefit from access to such facilities or team of researchers.

### COURSE CONTENT

#### (Live Lectures with Problem solving exercises)

1. An overview of CAD-CAM in dentistry
2. CAD-CAM in Prosthodontics
3. Root canal post: A bio engineering perspective
4. Additive Manufacturing: Issue and challenges
5. STL File manipulation and error repair
6. Slicing procedures and CLI files
7. Recent research trends in Additive Manufacturing

## TARGET PARTICIPANTS

- B.Tech/M.Tech/PhD/MBBS/PG- Medical students, research scholars and faculty/Industry persons
- Payment should be made only after the initial confirmation after E-registration

<https://forms.gle/cHypGzuibrKmJZRc6>

## REGISTRATION DETAILS

- Receipt of Application via E-mail: from 23.10.2020
- Confirmation will send on screening to corresponding E-Mail within 48 hours.
  - **Registration Fee Rs:100/- for Non TEQIP-III Institutions**  
**Foreigners: 50 USD**
- On spot registration is available at Registration by Technical Officer
  - \***No registration fee for TEQIP-III institutions**

## • Experts

Eminent Professors and experts from IEST Shibpur, NITs, IITs, RIMS, and other reputed institutions and Hospitals.

### Details of the Bank Account:

**Name: Director NIT Manipur,**  
**IRG Acc. No. 60330100000143,**  
**Bank and Branch: Bank of Baroda,**  
**NIT Manipur Campus,**  
**IFSC code: BARBNITMAN**  
**Reason for payment: Remarks:**  
**workshop-03 to 07-2020**