

## ABOUT THE PROGRAMME

Mission narrated by Hon'ble Prime minister as Team India, Start-up India and Stand-up India, required mechanisms "Reform to Transform". A civilization's ability to manufacture new devices has been closely linked to its successful development. Nowadays, manufacturing is acknowledged as an important driver for a nation to generate wealth. In recent world, the requirement of industries is to produce products with minimal harm to the environment, at competitive price, customized features, and quick response to the change in demand. The workshop aims to enlighten the latest advances in manufacturing processes pertinent to making new age products and prototypes. These workshops encourage new ideas to be exchanged in a multitude of engineering domains amongst contemporary researchers. The magnitude of these efforts has increased over time and resulted in a higher level of thinking and execution which helps today's engineers navigate their lives and careers. The events of workshop comprise of lectures and demonstrations on the state of art manufacturing processes.

## RESOURCE PERSON

Lecture sessions will be conducted by the expert faculties from IITs, NITs and other reputed Universities.

## EXPERTS FROM ACADEMIA

Prof. S. Sankaran, IIT Madras  
Prof. J. RamKumar, IIT Kanpur  
Prof. Chakkingal Uday, IIT Madras  
Prof. R. Ganesh Narayanan, IIT Guwahati  
Prof. K. Banu Sankara Rao, University of Hyderabad  
Prof. K. Kalaichelvan, Anna University  
Prof. K. P. Karunakaran, IIT Bombay  
Prof. K. Raghukandan, Anna Malai University  
Prof. Rajesh Kumar Bhushan, NIT Manipur  
Dr. Anil Kumar Birru, NIT Manipur  
Prof. P. K. Patowari, NIT Silchar

## ORGANIZING COMMITTEE

PATRON: Dr. S. Venugopal, Director, NIT Nagaland

CHAIRMAN: Dr. Rosang Pongen  
HOD Mechanical Engineering

CONVENER: Dr. Amit Kumar Singh  
Dr. Thingujam Jackson Singh

CO-ORDINATOR: Dr. Kamal Kumar Basumatary

ADVISORY COMMITTEE:  
Dr. R. Kumar  
Dr. Amrit Puzari  
Dr. P. Chinnamuthu  
Dr. Dushmanta Kumar Das  
Dr. Jay Chandra Dhar  
Dr. Dipu Sarkar  
Dr. Debarun Dhar Purkayastha  
Mr. Sibesh Lodh

ORGANIZING COMMITTEE:  
Mr. Neichuto Kin  
Mr. Mhao Humtsoe  
Mr. Thejangukho Kehie  
Mr. Keseto Thakro  
Mr. Ekonthung Shidio  
Mr. Ghozheto Chishi

One Week Online

Short Term Course

on

**“Recent Development and  
Advances in Manufacturing  
Processes”**

07 - 11 December 2020

(Sponsored by TEQIP – III)



Organized by

**DEPARTMENT OF MECHANICAL ENGINEERING  
NATIONAL INSTITUTE OF TECHNOLOGY NAGALAND  
Chumukedima, Dimapur,  
Nagaland – 797 103**

## COURSE CONTENTS

Rolling Forming, Wire ECM, Sheet Metal Forming, Joining by Forming, Influence of Manufacturing on Properties of Intermetallics, Superplastic Forming, 3D Printing, High Energy Rate Forming, Avenues in Biomedical engineering in present era, Fabrication & Characterization of Composite Materials, Surface Modification using EDM.

## ELIGIBILITY

This program is open to faculty members and research scholars, students of technical institutions, engineering colleges, polytechnics, universities and other recognized institutions.

## REGISTRATION DETAILS

**Last date of Registration:** 05<sup>th</sup> December 2020.

**Short Listing of Participants:** 06<sup>th</sup> December 2020.

Brochure and registration form can be downloaded from the institute website: <https://nitnagaland.ac.in/>

The filled registration form should be sent to mail id: [nitn.mechanical.workshop@gmail.com](mailto:nitn.mechanical.workshop@gmail.com) on or before Registration deadline.

**No fee will be charged from the participants for this workshop.**

E-Certificate will be Provided for Each Participants.

## LINK FOR REGISTRATION

**Google form Link for registration:**

<https://forms.gle/G72Q56vzedtRgDsA9>

Last date of registration: 05.12.2020

Total 100 seats and the selection will be done on the first-cum-first-serve basis. Selected Participants will be informed by mail only.

## ABOUT THE INSTITUTE

National Institute of Technology Nagaland (NIT Nagaland) is a higher education technology institute located at Dimapur in Nagaland and was set up by the Government of India in 2009, as part of the Eleventh Five-Year Plan (2007–2012) for imparting technical education in the state of Nagaland. It is one of the 30<sup>th</sup> NITs in India and is the institute of National Importance. At present there are six undergraduate courses namely Mechanical Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Computer Science and Engineering, Civil Engineering, Electronics and Instrumentation Engineering and five postgraduate courses namely M. Tech. in Power System Engineering, VLSI Systems, Computer Science and Engineering, Electronics and Communication Engineering & M.Sc. in Physics, inclusive of PhD studies.



## ADDRESS FOR COMMUNICATION

Dr. Amit Kumar Singh

Dr. Thingujam Jackson Singh

Assistant Professor,  
Department Mechanical Engineering  
NIT Nagaland,  
Chumukedima, Dimapur,  
Nagaland – 797 103

Mobile: 08812075324, 09774137293

Email: [nitn.mechanical.workshop@gmail.com](mailto:nitn.mechanical.workshop@gmail.com)

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on

## “Recent Development and Advances in Manufacturing Processes”

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### REGISTRATION FORM

1. Name:
2. Designation:
3. Institution:
4. Address for communication:

E mail:

Phone/Mobile No:

5. Highest educational qualification:
6. Any other information:

Place:

Date:

*Signature of the applicant*