

Ministry of Micro, Small and Medium
Enterprises (MSME)
Sponsored

Advanced Entrepreneurship and
Skill Development Programme (E-SDP)
On

Product Development & Prototyping Using CNC Machine, Non-Conventional Machining and Additive Manufacturing Process

4th - 15th March 2024

National Institute of Technology,
Arunachal Pradesh



Organised by:

Department of Mechanical Engineering
National Institute of Technology
Arunachal Pradesh, JOTE
India



ABOUT THE INSTITUTE

The National Institute of Technology, Arunachal Pradesh was established in the year 2010 by MHRD, Govt. of India. These new NITs were established as centres of excellence in technical education to combat the growing need for technological professionals in India as well as in the world. It is one of the 31 National Institutes of Technology in India and is recognised as an Institute of National Importance. Each department the college is equipped with well-established state-of-the-art laboratories to cater the holistic development of the students. present capacity of around 1050 students pursuing various bachelor, master as well as doctorate degrees from the different departments. The faculty and student of the Institute are also engaged in various R&D projects sponsored by various Government agencies and the current value of such running project is around 10 Crore. The Institute participated in the NIRF 2023 and ranked in 100-150 band in the Engineering category.

BACKGROUND

The design process can be developed, modified, and optimised using CAD. Now with CAD software anyone with basic understanding of design and drawing create more accurate representations of product and easily modify them to improve

design quality. The developed product can be brought to real life by Additive manufacturing (AM) or CNC machine. Reduced production costs and faster product development are made possible by CAD/CAM software. This will result in increased productivity. Increased productivity will benefit company's bottom line. In a competitive market, any strategy that increases productivity is worthwhile.

Objective

1. To give exposure and enhance the knowledge and skill involved in the field of CAD/CAM based product design & Prototyping
2. Provide an opportunity to explore the entrepreneurial scope in the field of product development and prototyping using CNC machine and 3D printing.

External Speakers

This two-week workshop is to bring participant to interact, exchange ideas with expert from IITs, NITS, Industries expert and MSME Support centre like TRTC, Guwahati. The expert will deliver the lecture in the core as well as entrepreneurial scope of product design using CAD/CAM tools and provide hands-on training in CAD Software, CNC machines, Non-Conventional Machining and AM.

Eligibility

Any candidate with a qualification in 12th/ITI/Diploma/Graduate in any discipline eligible to participate.

***Basic Computer knowledge is essential.**

Selection Criteria

Number of seats: 30 (Preference will be given to persons from the MSME sector, Startup founders, budding entrepreneurs)

Important Dates

Last date of registration: 01.03.2024

Mode of training: offline

Online Registration

<https://forms.gle/cYvnp6HWnVZ7JLZaA>



Note: Online registration is compulsory

Accommodation and Food

Food for all the participants will be provided by the Institute within the campus.

Location of NIT, Arunachal Pradesh

 <https://bit.ly/NITAPMechanicalblock>

Organizing Committee

Patron:

Prof. Ram Prakash Sharma,
Director I/c, NIT Arunachal Pradesh.

Convenor:

Dr. Prases Kumar Mohanty
Dr. Manjula Das Ghatak

Coordinator:

Dr. Shubhajt Das
Dr. Sandip Kumar Mandal

Organizing Committee:

Dr. Anup Paul
Dr. Dipak Sen
Dr. Ravi Ranjan Kumar

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Registration Form

Passport
Size Photo

1. Name (in Capital):
2. Designation:
3. Institute /Organization:
4. Address for Communication:
5. Category (GN/OBC/EWS/SC/ST):
6. PWD: YES/NO
7. Gender: Male/Female
9. E-mail:
10. Mobile No.:
11. Highest educational qualification:
12. Aadhaar No:

Place:

Date:

Signature of the applicant

Recommended by HOD/ Principal
(For external students only)

(Sign and seal of HOD/Principal)

Note: Scanned copy of filled in registration form has to be submitted through mail.