

One Week  
AICTE Training and Learning (ATAL) Academy  
Sponsored  
Online Faculty Development Program  
On  
**Design Thinking and Product Development**

*From*  
23<sup>rd</sup> to 27<sup>th</sup> August 2021



*Organized by*  
The Department of Mechanical Engineering  
National Institute of Technology  
Arunachal Pradesh, India

## **About NIT Arunachal Pradesh**

The National Institute of Technology, Arunachal Pradesh was established in the year 2010 by MHRD, Govt. of India and was inaugurated on 18<sup>th</sup> of August, 2010 as a member of a group of ten new NITs. These new NITs were established as centers of excellence in technical education to combat the growing need of technological professionals in India as well as in the world. It is one of the 31 National Institutes of Technology in India and is recognized as an Institute of National Importance. Presently the Institute is running in project phase with yearly intake of 190 undergraduate students in five major Engineering departments such as Civil Engineering, Computer Science and Engineering, Electrical Engineering, Electronics and Communication Engineering and Mechanical Engineering. Each department is equipped with well established state of the art laboratories to cater holistic development of the students. Despite of few geographical constraints, the Institute has thrived through rigorous challenges and has evolved to see the new heights with present capacity of 760 students pursuing various bachelor, master as well as doctorate degrees from the 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 5 Crore for 25 projects. The Institute participated in the NIRF 2020 and ranked 200 in the Engineering category.

## **About the Department**

The Department of Mechanical Engineering at NIT Arunachal Pradesh was established in August 2013. The department offers four-year B.Tech degree program in Mechanical Engineering with an annual intake of 40 students. The department started PG program (2 years M.Tech) in Mechanical System Design & Innovation Technology (MSDIT) from July 2016 and Fluids and Thermal Engineering from July 2019 with an intake of 20 students each and has also been actively involved in initiating research programmes in various multidisciplinary areas leading to Ph.D. since 2015-16. Moreover, the department emphasizes to excel in industry oriented research, testing and consultancy work, aiming service to the society and benefit for the student community.

## **About the Faculty Development Program**

Design thinking is an established and repeatable human-centered method to new product design and development. In the 21<sup>st</sup> century, it is considered as a necessary skill required by professionals involved in product development. The one week faculty development program on 'Design Thinking and Product Development' aims at understanding the three phases of Design Thinking as such Inspire, Ideate and Implement and thus improve the product development process. The course will also emphasize on the use of practical design thinking methods and tools used in every stage of new product development phase and adopt new attitudes about new product development and customer problem solving. The proposed course is not specific to any single discipline and can attract participants from various branches of science and engineering. The course may be considered as a stepping stone for startup entrepreneurs and professionals in line with Atmanirbhar and the upcoming toy industry market in India.

## Chief Patron

Prof. Pinakeswar Mahanta  
Director, NIT Arunachal Pradesh

## Program Convener

Dr. Manjula Das Ghatak, Assistant Professor, Dept. of Mechanical Engineering

## Program Coordinator

Dr. Shubhajit Das  
Assistant Professor  
Department of Mechanical Engineering  
NIT Arunachal Pradesh  
Email: [shubhajit@nitap.ac.in](mailto:shubhajit@nitap.ac.in); [06shubhajit@gmail.com](mailto:06shubhajit@gmail.com)  
Contact: +91 94355 47092

## Organizing Committee

Dr. Anup Paul, HoD & Assistant Professor, Dept. of Mechanical Engineering  
Dr. R. P. Sharma, Associate Professor, Dept. of Mechanical Engineering  
Dr. Dipak Sen, Assistant Professor, Dept. of Mechanical Engineering  
Dr. Manjula Das Ghatak, Assistant Professor, Dept. of Mechanical Engineering  
Dr. Prases K. Mohanty, Assistant Professor, Dept. of Mechanical Engineering  
Dr. Sandip K. Mandal, Assistant Professor, Dept. of Mechanical Engineering

## Tentative Schedule

Day	10.00 am – 11.30 am	12.00 noon – 1.30 pm	2.30 pm – 4.00 pm
Day 1	Inauguration & Session 1	Session 2	Session 3
Day 2	Session 4	Session 5	Session 6
Day 3	Session 7	Session 8	Session 9
Day 4	Session 10	Session 11	Session 12
Day 5	Session 13	Session 14	Valedictory/Feedback

Eminent experts from various R&D organizations, industries, institutes like IITs, NITs, reputed govt. research organization, Central Universities will deliver lectures.

## Target Audiences

The program is open to members of faculty of various engineering disciplines, PG and Ph.D. research scholars, startup entrepreneurs, employees, professionals, managers and leaders involved in designing products or services, scientists and professionals from R&D organizations, industries, govt. bodies.

## Registration

Kindly register for the program through AICTE ATAL portal. The link for the same is given below:

<https://atalacademy.aicte-india.org/login>

### Steps to join FDP

1. Visit <https://atalacademy.aicte-india.org/signup>
2. Sign up as a participant and complete the process of registration.
3. List of all FDPs will be visible under the workshop tab in your login
4. Using the keys Ctrl F and search keyword **Design Thinking and Product Development** to get the course details.
5. The FDP can also be searched by filtering the **State** option as **Arunachal Pradesh** and the **month** option as **August**.
5. Click on "+" icon to join the course.

## Help prevent the spread of Corona virus

