



AICTE Training and Learning (ATAL) Academy Programme



on

"Advances in Manufacturing" (AIM 3.0)

4-8 January, 2021

Coordinator

Dr. Shailendra Kumar

Co-coordinator

Dr. Harshit K. Dave

Organized by



Department of Mechanical Engineering

Sardar Vallabhbhai National Institute of Technology

Surat - 395007, Gujarat

About the Institute:

The institute was initially established as Sardar Vallabhbhai Regional College of Engineering & Technology in 1961. It was later upgraded as a National Institute of Technology in 2002. It has been accorded the status of institute of national importance. SVNIT is one of the pioneering engineering institutions of the country which has nurtured many outstanding engineers in India & abroad. At present, the institute runs seven UG programs, eighteen PG programs and a Ph.D. program in all disciplines of engineering and applied sciences. The institute has an excellent placement record with a number of top-ranking companies visiting the campus every year.

One of the departments of the institute is the Department of Mechanical Engineering, which came into existence in the year 1961. The department has a team of 47 qualified and dedicated faculty members having specialization in various areas. At present the department is conducting a UG program (Mechanical Engineering), five PG programs (Mechanical Engineering, Turbo-machines, Manufacturing, CAD/CAM, and Thermal System Design) and a research program leading to M.Tech (Research) and Ph.D. degree.

About the Programme:

The role of manufacturing in country's economy and societal development has long been established through their wealth creation activities. The main objective of this programme on "Advances in Manufacturing (AIM)" is to familiarize the participants about recent advances in the rapidly growing area of manufacturing. Experts will not only impart theoretical knowledge in the area of conventional as well as computer aided manufacturing but practical online demonstration will also be given to the participants. Participants will also get the opportunity to share their views on developments in the theme of this program.

Major Course content:

- Advances in Metal Forming
- Advances in Modern Machining processes
- Additive Manufacturing Techniques
- Reverse Engineering
- Smart manufacturing
- AI Applications in Manufacturing

- Research trends in Manufacturing
- Scope for Innovation & Entrepreneurship in Manufacturing

Program Faculty:

The resource persons for the program shall include faculty from SVNIT, Surat, and other reputed academic institutions/Research Organizations/Industries.

Eligibility for Participation:

The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/Technicians/Participants from Industry etc.) and staff of host institutions.

Registration:

There is no registration fee for the program. The programme will be organized in online mode. The link shall be shared with the participants in advance. A test will be conducted at the end of the program.

Participants are required to registered at the web portal of ATAL Academy <https://atalacademy.aicte-india.org/> by selecting this FDP before due date 25th December, 2020.

Organizing Committee:

Chief Patron	:	Prof. S. R. Gandhi, Director, SVNIT Surat
Head of Department	:	Prof. Shailendra Kumar
Advisory Committee	:	Prof. R. Venkata Rao
		Prof. H.K. Rawal
		Prof. K. P. Desai
		Prof. A. A. Shaikh
		Dr. Ravi Kant
		Dr. Pawan Sharma

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