

About the Institute

The Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat is spread over 100 hectares of land on the Surat-Dumas Road. The Institute established in 1961 in the State of Gujarat as one of the Regional Engineering Colleges, became National Institute of Technology (NIT) with the status of 'Deemed University' on 4th October 2002. Institute offers Seven Undergraduate programs, Twenty-One Post Graduate Programs, 5-Year Integrated M.Sc. Programs in Chemistry, Mathematics, and Physics, along with a full-time/part-time Ph.D. Programs in all the disciplines of Engineering, Science, Management, and English. Apart from that, MTech. (Research) programs are offered to practicing engineers and working professional in companies or laboratories of national repute. The institute has well-established Central Learning resource centers like Central library, Central Computer Centre, Centre for Continuing Education and Physical Education Section. The institute has an excellent placement record. There is a constant process of upgradation and innovativeness in the academics which has resulted in bagging prestigious industrial and consultancy projects in the recent past. Special attention is given to interdisciplinary research.

About the Department

The Department of Mechanical Engineering came into existence in the year 1961. The department has 55 qualified and dedicated faculty members with the specialization in various areas. The department is conducting one UG programs (Mechanical Engineering), five PG programs (Mechanical Engineering, Turbo Machines, CAD/CAM, Thermal System Design and Manufacturing Engineering) and a research program leading to Ph.D. degree in almost all major specialization of Mechanical Engineering.

Contact Us

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5th Short Term Training Program (STTP)

On

Multiple Attribute Decision Making and Its Industrial Applications

October 21-25, 2024

(Online Mode)



Coordinators:

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Organized by

Department of Mechanical Engineering,

Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat

About STTP

The 5th one-week short-term training program on Multiple Attribute Decision Making and Its Industrial Applications' will be held from October 21-25, 2024. The proposed STTP is an interdisciplinary program, and the main objective of this program is to cover the theoretical and practical approaches to decision-making arising in real-world problems of different fields. MADM allows decision makers to consider multiple criteria or attributes simultaneously for the comprehensive evaluation, objective decision, trade-off analysis, efficient resource allocation, transparency, consistency, and flexibility. The goal is to rank or select the best alternative from a finite set of options. It has the wide application in the Machining, Sustainable Manufacturing, Sustainable Supply Chain, Circular Economy, Reverse logistics, transpiration System, Lean Six Sigma, Human Resource management etc.

STTP Objectives and Content

This program aims to bring together researchers of various fields, enhance their knowledge in multiple-attribute decision-making, and prepare the participants to make wise decisions in complex and conflicting situations. The course covers the following topics (but not limited to)

- Introduction to Multiple Attribute Decision Making (MADM) and its Importance.
- Fuzzy concept in MADM, Type II Fuzzy MADM, Intuitionistic fuzzy sets, Neutrosophic Set, Pythagorean fuzzy Set and Orthopair fuzzy Set,
- Subjective Weighting AHP, ANP, BWM, COPRAS etc,
- Evaluating Method ISM, DEMATEL etc,
- Objective Weighting Methods like TOPSIS, VIKOR, MOORA, WASPAS, SWARA etc.,
- Outranking Method like ELECTRE, PROMETHEE, ARAS etc. and their Industrial Applications.
- Hybrid Methods like AHP-TOPSIS, ISM-MICMAC, SWARA – WASPAS, WARA-fuzzy COPRAS, AHP – CoCoSo, BBWM-CMC - CODAS etc.
- Decision Making in Machining, Sustainable Manufacturing, Sustainable Supply Chain, Circular Economy, Reverse logistics, transpiration System, Lean Six Sigma, Human Resource management etc

Course faculty

Eminent speakers from foreign universities, IITs/NITs, and other reputed institutes will deliver the lecture to provide vast revelation and knowledge enhancement.

Eligibility

The training program is open to Bachelors, Masters, PhD students, faculty members and industry personnel from various fields such as engineering, management, mathematics, industrial engineering, and operations research.

Registration and General Information

Interested applicants may fill the google form and attach the fee receipt

<https://forms.gle/4tKTwrSDUQuKmK5u6>

Limited seats are available in this course. The admission will be offered through first come first serve basis. The confirmation will be done immediately after the receiving of application through google form. The last date of applying to this course is October 15, 2024.

Registration Fee

The registration fees for the program is as given below:

Academicians / Scientist / Researchers	1000 + 18% GST = 1180/-
Students: Degree/PG/Ph.D./Science/Diploma/ITI	650 + 18% GST = 767/-
Practicing engineers / Professionals	2500 + 18% GST = 2950/-

The non-refundable registration fees should be paid only by online transfer in account of:

“Director SVNIT-CCE”

A/C No: 37030749143,

State Bank of India (SBI),

SVR CET Branch Surat (Code: 03320)

IFSC: SBIN0003320

Alternatively, fee can be paid by scanning the QR code displayed.



The payment receipt will be required for submitting the application through google form. The confirmation to the selected applicant will be intimated within 2 days after due date.