

Govt. Polytechnic Nashik

Government Polytechnic Nashik was established in the year 1980. The Government of Maharashtra allotted 30 Acres of land for the majestic & sprawling Govt. Polytechnic campus. Initially diploma programme in Civil Engineering with 60 intake was introduced in 1980 & now the Institute conducts Ten regular diploma programmes in conventional and diversified areas with total intake of 810. Government of Maharashtra awarded Academic Autonomy to this Institute from the Academic Year 1995-96. Government of Maharashtra awarded 'Best Polytechnic Award' to this institute for the year 2001. Institute also got ISTE Narsee Monjee "Best Polytechnic-2011" award.





Institute's Vision

To be a premier Technical Training and Development Institute catering to the skill and professional development in multi-domain for Successful employment/self-employment by offering certified and accredited NSQF compliant programmes. The Institute shall be the center for Excellence in skill development and community development through different training programmes, business incubation and Entrepreneurship development.

Dept. of Mechanical Engineering

Dept. of Mechanical Engineering was established in 1989. The dept. is running with intake of 120. **Dept. is accredited for 6 years by NBA.** The dept. is well equipped with all modern labs and qualified faculties to fulfill the requirement of the Programme. Government of Maharashtra has sanctioned a new programme in Mechatronics Engineering from current academic year.

Department Vision

The Department envisions being the center for excellence in training and entrepreneurship development in the field of emerging areas in Mechanical Engineering like automation and robotics. The department shall be the center for innovation and business incubation leading to entrepreneurial activity.

Patrons

Dr. Abhay Wagh

Director, Directorate of Technical Education, Mumbai

Mr. Pramod Naik

Joint Director, Directorate of Technical Education, Mumbai.

Prof. Dnyandeo Nathe

I/C, Joint Director, Regional Office of DTE Nashik & Principal, Govt. Polytechnic, Nashik

Dr. Chandrakant Seemikeri

Head, Department of Mechanical Engineering (G.P. Karad)

Mr. R. N. Khadse (Convenor)

Head, Department of Mechanical Engineering.

Coordinator

Dr. Anil G. Patil

Lecturer in Mechanical Engineering Department

Co-coordinator

Mr. Deepak Patil

Lecturer in Mechanical Engineering Department

Organizing Committee

Mr. P. G. Kochure
Mr. S. V. Gaydhani
Mr. D. P. Khadse
Mr. S. V. Medhe
Mr. P. N. Ghotkar
Dr. S. J.Gorane
Mrs. V. S. Jadhav
Mr. D. D. Thorat
Mr. V. H. Choudhary
Mr. V. H. Choudhary
Mr. Y.D. Khode
Mrs. A. R. Hagwane
Mr. M. S. Thakur

AICTE-ATAL

AICTE Training and Learning Academy is established with the vision to empower the faculty to achieve goals of their higher education such as access, equity and quality. The objective of academy is to set up an Academy which will plan and help in imparting quality technical education in the country.

A National Level AICTE- ATAL Academy's One Week Faculty Development Programme

Or

"Research Methodology and Optimization Techniques" (RMOT-2021)

Through online Mode

(13th December. 2021 – 17th December 2021)

Sponsored and Approved by





All India Council for Technical Education Training and Learning Academy

Organized by



Department of Mechanical Engineering (NBA Accreditation for 6 Years)

Government Polytechnic, Nashik

(An Academically Autonomous Institute of Government of Maharashtra)

Samangaon Road, Nashik Road, Nashik – 422 101 Web: www.gpnashik.ac.in

About the Course

This course is designed to impart appropriate knowledge skill and attitude in "Research Methodology". In this context a training will be provided in qualitative and quantitative methods along with Statistical method/packages across the various fields of engineering sciences and technology is designed.

At the end of this course the participants will able to formulate research Problem, design and develop conceptual framework, conduct field work, collect data, process the data, analyze and interpret the results to draw valid conclusions using Research methodologies.

Objectives

- Research Methodology: An Overview
- Literature Review- Formulating a research problem
- Quantitative/Qualitative method of data collection.
- Analysis of data-Interpreting using statistical method/ packages.
- Reverse Engineering Research Methodology
- Research Findings
- Elementary Optimization Techniques

Eligibility Criteria for Participants

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. Not more than 30% from Host Institution. Maximum 200 participants (minimum 50) may be allowed to attend (approved on

portal) online FDP on a first come first serve basis however AICTE officials may be allowed to attend over and above 200 number.

Registration

- This course is free for all Participants.
- Intimation regarding selection will be sent to the candidates via email as per the schedule.
- Registration Through ATAL Portal only

Visit https://atalacademy.aicte-india.org/signup by creating your login credential and select this FDP. It will be approved by the Coordinator through Coordinator Login.

Test & Certificate

Certificates will be given to registered participants & subsequently approved by the coordinator, provided participants obtain 80% attendance, 60% marks in assessment and Feedback given by participants on Portal only.

Important Dates

Last date of Online Registration:—9th December. 2021 Intimation to selected candidate:—10th December. 2021

Address for Communication

Coordinator

Dr. Anil G. Patil

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Co-coordinator

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Session Plan (Tentative)

Day- 1	1	Inauguration/ Expert Talk
	2	Research Methodology: An Overview
	3	Literature Review
Day- 2	4	Formulating Research problem
	5	Design of Experiments -1, Problem,
	6	Design of Experiments, Problem, Case
		studies-1 with numerical
Day- 3	7	Various elementary Research Optimization
		Techniques. PSO, GA
	8	Taguchi Techniques
	9	Minitab Hands on Experience
Day- 4	10	Stress management, Meditation/Human
	10	Values and Ethics,
	11	Reverse Engineering Methodology
	12	Minitab Hands on Experience
Day- 5	13	Various parameters, Measurements and
	13	data collections
	14	Response surface methodology and
		implementation
	15	Valedictory, Feedback & Test

Resource Persons

• The sessions will be handled by experts in different fields of Research Methodology in engineering sciences and technology.