REGISTRATION FORM

AICTE TRAINING AND LEARNING (ATAL) ACADEMY FACULTY DEVELOPMENT PROGRAM ON

MANUFACTURING TECHNIQUES FOR NOVEL MATERIALS: THE IMPACT OF INDUSTRY 4.0

16/12/2024 – 21/12/2024

FDP APPLICATION NUMBER: 1715772131

Name: _____

Designation: _____

Institution: _____

Address: _____

Phone (Office): _____

Phone (Mobile): _____

Email: _____

Qualification: _____

Experience: _____

The given information is true to the best of my knowledge. I agree to abide by the rules and regulations of the programme, if selected.

Place:

Date:

Applicant Signature

NO OBJECTION CERTIFICATE

Mr./Ms./Dr _____

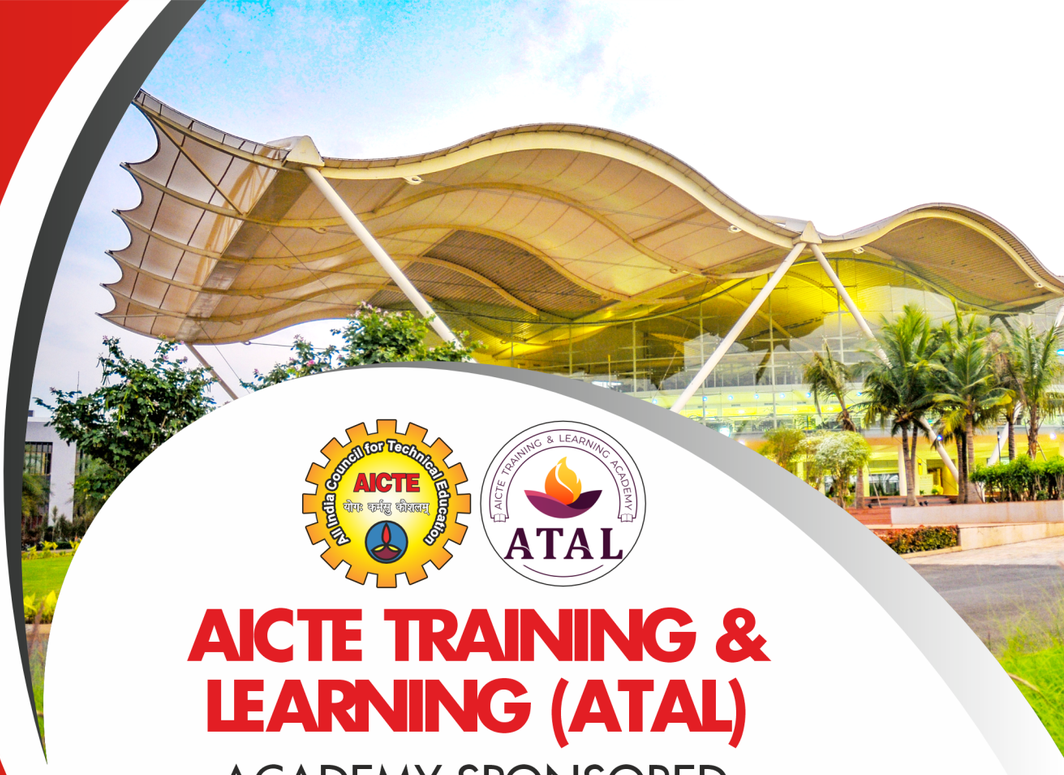
is an employee of our Institution & the institution has no objection in him/her applying for the AICTE sponsored ATAL FDP on Manufacturing Techniques for Novel Materials: The Impact of Industry 4.0. If selected, he / she will be permitted to attend the program.

Date:

Seal

Signature of HOI/Director

The soft copy of the duly Filled Registration Form/NOC should be sent to dhirajd_ioe@bkc.met.edu



AICTE TRAINING & LEARNING (ATAL)

ACADEMY SPONSORED

FACULTY DEVELOPMENT PROGRAM ON

"Manufacturing Techniques for Novel Materials: The Impact of Industry 4.0"

From 16/12/2024 to 21/12/2024

Organized by

Department of Mechanical Engineering

MET's Institute of Engineering, Bhujbal Knowledge City,

Adgaon, Nashik, 422003, Maharashtra

https://metbkcengg.ac.in

ABOUT INSTITUTE

Mumbai Education Trust's 'league of colleges' has contributed over 25,000 professionals to the Indian and Global business houses. In line with its commitment to provide world class education in India, MET created the state-of-the-art Bhujbal Knowledge City (BKC) at Nashik. MET-BKC at Nashik promises to be the answer to the everchanging needs of the business scenario. Situated at Adgaon, in Nashik the campus spans over 34 acres of lush green landscapes with over 4 lack sq. ft. of campus floor space. Institute offers various disciplines viz. AI & DS, Civil, Computer, Electronics and Telecommunication, Electrical, IT, MCA and Mechanical. PG Course in ME (CAD/CAM), ME (COMP), Research center for Mechanical and Computer.

- MET is an NGO in Special Consultative Status with UN(ECOSOC)
- Enlightened interaction for urban-rural synergy
- NPTEL Local Chapter and IIT- Spoken Tutorial
- Exposure to the World Class Organization of activities like MET-Utsav, Conferences, Workshops.
- NBA Accreditation for five Departments & Accreditation by NAAC.

ABOUT DEPARTMENT

The Mechanical Engineering Department of Mumbai Education Trust's Bhujbal Knowledge City, Institute of Engineering was established in the year 2007, and has grown over the years into a competent department with state-of-the-art computing facilities and dedicated faculty. Having started with a four-year undergraduate program, B.E (MECH), the department also offers a Postgraduate course in CADME (Computer Aided Design and Manufacturing Engineering), and operates a recognized research center affiliated with Savitribai Phule Pune University (SPPU), Pune. The department has received accreditation from the National Board of Accreditation (NBA), which acknowledges its commitment to maintaining high academic standards and quality in education. This accreditation enhances the credibility of the department's programs and highlights its efforts in fostering creativity in learning, research, and building a robust knowledge base. The department emphasizes the vision of the Mumbai Education Trust's Bhujbal Knowledge City (MET-BKC) for excellence in education. Highly qualified, dedicated faculty and strong infrastructure facilities make this vision a reality.

ABOUT ATAL ACADEMY

AICTE Training & Learning (ATAL) Academy is established with the vision of "To empower faculty to achieve goals of higher education such as access, equity and quality". ATAL academy is conducting a series of workshops in thrust areas identified by AICTE. The objectives of AICTE-ATAL Academy are,

- To plan and help in imparting quality technical education in the country.
- To support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging areas.
- To stress upon empowering technical teachers & technicians using Information & Communication Technology.
- To utilize SWAYAM platform and other resource for the delivery of trainings.
- To provide a variety of opportunities for training and exchange of experiences such as workshops, Orientations, earning communities, peer mentoring and other faculty development programs.
- To support policy makers for incorporating training as per requirements.

ABOUT THE FACULTY DEVELOPMENT PROGRAM

This FDP is designed to cover key aspects of modern manufacturing techniques for novel materials focusing on the impact of Industry 4.0. Each day is dedicated to specific manufacturing techniques, including welding, joining, surface treatment, micromachining, additive manufacturing, laser processing and forming. Participants will gain comprehensive insights through theoretical sessions, practical workshops, and interactive discussions with experts. Thus, this program will help participants to understand latest industrial scenarios, work methodology and will try to bridge the gap between academics and industries.

MAJOR CONTENTS OF THE FDP

- Smart Materials – Processing and Applications
- Novel Materials for Energy Harvesting and Storage Applications
- Sustainable Manufacturing in the Era of Industry 4.0
- Material Characterization Techniques and Failure Investigations
- Modern Welding and Joining Technologies and Their Role in Industry 4.0
- Micromachining for Novel Materials
- Data-Driven Manufacturing Processes and Role of IoT in Manufacturing Industries
- Advanced Coating and Surface Modifications Techniques
- Novel Materials and Industry 4.0 - Research Avenues
- Industry 4.0 in Materials Management

FDP DETAILS

FDP Application Number: 1715772131
Title of the FDP: Manufacturing Techniques for Novel Materials: The Impact of Industry 4.0
FDP Start Date: 16/12/2024 and FDP End Date: 21/12/2024

- Inaugural Ceremony and 10 Technical sessions of 2 hours/session
- Q & A with experts, Quiz Test and Valedictory Ceremony
- All the sessions will be conducted OFFLINE
- An online/offline test will be conducted by the coordinator at the end of the program.
- Certificates shall be issued by the ATAL Academy to Participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

RESOURCE PERSONS

The resource persons for the program include faculty members from reputed institutes like IITs, NITs and Government organisations as well as industry experts in the relevant field.

Day and Date	Resource Persons	Topic
Day 1[16-12-2024]	Prof. Prashant P. Date, IIT Bombay	Smart Materials – Processing and Applications
	Prof. Babasaheb Sankapal, VNIT, Nagpur	Novel Materials for Energy Harvesting and Storage Applications
Day 2 [17-12-2024]	Prof. G. S. Dangayach, MNIT, Jaipur	Sustainable Manufacturing in the Era of Industry 4.0
	Mr. Jaywant Nagrale, Bosch, Nashik	Material Characterization Techniques and Failure Investigations
Day 3 [18-12-2024]	Dr. Vivek D. Kalyankar, SVNIT, Surat	Modern Welding and Joining Technologies and their Role in Industry 4.0
	Dr. S. A. Mastud, VJTI, Mumbai	Micromachining for Novel Materials
Day 4 [19-12-2024]	Mr. Ashishkumar Umap, HAL, Nashik	Data-Driven Manufacturing Processes and Role of IoT in Manufacturing Industries
	Dr. Dhiraj Deshmukh, MET's IOE, Nashik	Advanced Coating and Surface Modifications Techniques
Day 5 [20-12-2024]	Prof. V. K. Soni, MANIT, Bhopal	Novel Materials and Industry 4.0 - Research Avenues
Day 6 [21-12-2024]	Prof. R. C. Gupta, Shri Govindram Seksaria Institute of Technology and Science, Indore	Industry 4.0 in Materials Management

IMPORTANT INFORMATION TO PARTICIPANTS

- Eligibility: The faculty members of AICTE approved Institutions, Universities, research scholars; participants form Government, Industry (Bureaucrats/ Technicians/Industry experts etc.) and professionals from R&D labs.
- Number of participants is limited to 50
- There is no course or registration fee

REGISTRATION PROCEDURE

Registration can be done only through AICTE–ATAL portal.
Link: https://www.aicte-india.org/atal
"Sign Up" and create a login as "Participant". Login using your newly created login credentials, update your profile and click on "FDPs" Link. You can register by clicking on the "+" sign on FDP on **"Manufacturing Techniques for Novel Materials: The Impact of Industry 4.0"** (Course code: 1715772131). It is required to upload scanned copy of your ID card and NOC from Principal/Registrar at the time of online registration. After successful registration send a scanned copy of Registration Form/No Objection Certificate to **dhirajd_ioe@bkc.met.edu**

CHIEF PATRON

Hon. Pankaj Bhujbal
(Trustee, MET's BKC,Nashik)

Hon. Sameer Bhujbal
(Trustee, MET's BKC,Nashik)

Hon. Dr. Shefali Bhujbal
(Chief Administrator, MET's BKC, Nashik)

PATRON

Dr. V. P. Wani
(Principal, MET's IOE, Nashik)

CONVENER AND PROGRAM COORDINATOR

Dr. S. D. Kalpande
(Professor and Head, Dept. of Mechanical Engineering, MET's BKC IOE, Nashik)
Email-Id: shyamkumark_ioe@bkc.met.edu
Mobile No: +919665394892

PROGRAM CO-COORDINATOR

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(Associate Professor, Dept. of Mechanical Engineering, MET's BKC IOE, Nashik)
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