



AICTE –Teaching and Learning (ATAL) Academy

The main objectives of the 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, learning communities, peer mentoring and other faculty development programmes.
- To support policy makers for incorporating training as per requirements



Coordinators

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AICTE Sponsored Online Faculty Development Programme on **OPERATIONS MANAGEMENT** 16th to 20th August 2021

Organized by

MECHANICAL ENGINEERING
DEPARTMENT
GOA COLLEGE OF ENGINEERING
'Bhauasaheb Bandodkar Technical
Education Complex'
Farmagudi, Ponda, Goa. 403401





Supported By

Chief Patron

Dr. Vivek B. Kamat
Director of Technical Education,
Government of Goa

Patron

Dr. Rajesh B. Lohani
Principal,
Goa College of Engineering, Goa

FDP Resource Persons

The FDP will feature guest lectures by eminent faculty members from reputed institutes and experts from the industry.

Who can apply?

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 institute.

Registration

Registration has to be done through ATAL Online Portal through:
<https://www.aicte-india.org/atal>

Scope of the FDP

Operations Management has evolved over the years and while certain fundamentals areas have continued to find place in the evolution process, the recent developments have further enhanced the process efficiency and effectiveness. This FDP aims to facilitate discussions on the fundamental principles and introduce the recent approaches that have helped the global leaders achieve higher level of performance. The FDP includes inputs through academic and industry experts along with case studies. The main topics would include Problem formulations, Scheduling, Value Stream Mapping, Six Sigma Management, Reliability studies, Maintenance Engineering, Quality Management and Supply Chain Management.

Limited Seats are available.

Registration will be done on 'first come first serve' basis.

No Registration Fees.

*All sessions will be conducted online through Google Meet Platform.

About Goa College of Engineering

Goa College of Engineering, Farmagudi, Ponda, Goa, founded in 1967, has been spearheading the technical scenario in the beautiful state of Goa over past 50 years. It is an AICTE approved institution and is affiliated to Goa University. The college offers under-graduate programs through its departments which include Civil Engineering, Mechanical Engineering, Electrical & Electronics Engineering, Electronics & Telecommunication Engineering, Computer Engineering, Information Technology, and Mining Engineering. The college also offers postgraduate programs, and is recognized as a Ph.D. research center under Goa University. The college is fully funded by the State Government of Goa.

Vision

A technical institute with a focus on excellence in academics, research, industry collaboration and nurturing human values in students.

Mission

- Formulate & implement curriculum that ensures high academic standards.
- Provide infrastructure that meets academic & advanced research requirements.
- Collaborate with national, international institutions, laboratories and industries through student and faculty exchange programs and internships.
- Undertake consultancy projects that are relevant to the state & nation.
- Impart human values, awareness of environment and sustainable solutions in students and faculty.
- Nurture innovation, entrepreneurship, leadership & resource management skills.



About Mechanical Engineering Department

Mechanical Engineering Department was established in the year 1967. Besides the undergraduate program in Mechanical Engineering, it offers Postgraduate Program in Industrial Engineering. The department is recognized as a PhD research center and possesses well-equipped laboratory facilities in Fluid Mechanics, Turbo Machinery, Metrology, Mechatronics, Internal Combustion Engines, CAD/CAM, Refrigeration & Air-conditioning, Dynamics of Machinery, Heat & Mass Transfer and Industrial Engineering. The department owing to its state-of-the-art Infrastructure with well qualified, experienced and dedicated faculty has active research involvement.

Advisory Committee

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Dr. Gunjan Soni

Assistant Professor, Mechanical Engineering
Malaviya National Institute of Technology (MNIT), Jaipur

Mr. Floyd D'Silva

Facilitator & Trainer, Self-growth Modalities

TIME TABLE

Session	Title
Day 1	
1	Real Life Problem Formulation and Solution Strategies
2	Dynamic Scheduling
3	Circular Supply Chain
Day 2	
4	Reliability Engineering-Concepts and Advances
5	Advances in Maintenance Engineering and Management
6	Case Study: " Energy conservation in Tyre industries"
Day 3	
7	Mahalanobis Taguchi System: Applications in Industrial Engineering
8	Multi Criteria Decision Making Applications in Supply Chain Management
9	Case Study: Application of Six Sigma in Motors Manufacturing Industry
Day 4	
10	Lean Manufacturing
11	Case Study: Q.M. Through Integrated Enterprise Class System
12	Predictive Maintenance for Railway Infrastructure
Day 5	
13	Industry 4.0 Applications in Supply Chain and Logistics
14	Meditate, Relax and Excel
15	Valediction/Feedback

