



OmDayal Group of Institutions

ENGINEERING | ARCHITECTURE | MANAGEMENT

5 FACULTY DEVELOPMENT DAY PROGRAM (ONLINE)

**ON INTELLIGENT MANUFACTURING,
ENERGY SUSTAINABILITY AND RELIABILITY
(07.04.2026 - 11.04.2026)**

**ORGANIZED BY
DEPARTMENT OF MECHANICAL ENGINEERING
OMDAYAL GROUP OF INSTITUTIONS
AN IQAC INITIATIVE**

ABOUT OMDAYAL GROUP OF INSTITUTIONS

OmDayal Group of Institutions, located in the Uluberia Industrial Growth Centre, Birshibpur, Howrah, West Bengal, is a NAAC-accredited Institution established in 2010. Affiliated to Maulana Abul Kalam Azad University of Technology (MAKAUT) and approved by AICTE and COA it is dedicated to delivering quality education in Engineering, Architecture and Management. With a focus on innovation, creativity and industry-relevant skills, the Institution prepares future-ready professionals who can effectively meet the evolving needs of society and industry through high academic standards, holistic knowledge development and state-of-the-art infrastructure.

For more information, please visit: omdayal.com

ABOUT THE DEPARTMENT OF MECHANICAL ENGINEERING

The Department of Mechanical Engineering, established in 2010, is one of the largest departments of the Institute. With a team of dedicated faculty members, experienced technical staff and well-equipped laboratories and workshop facilities, the department offers a balanced blend of strong theoretical knowledge and practical training. Through a comprehensive academic environment and hands-on learning opportunities, we aim to develop the technical skills, creativity and professional competence of students, preparing them for successful careers in industry as well as for higher education and research.

ABOUT THE PROGRAM

The 5-Day Program aims to foster professional growth among interdisciplinary academicians and researchers by exposing them to advancements in smart manufacturing, green energy solutions and reliability practices, enabling them to inspire innovation, guide high-quality research and align academic pursuits with global sustainability goals.

By empowering faculty to embed these themes in higher education and research, the program drives broader societal benefits:

- Advancing green energy technologies to reduce environmental impact and enhance energy security;
- Improving Industrial reliability to minimize resource waste, downtime and emissions in manufacturing and mining;
- Fostering innovations in precision/intelligent systems that support bio-medical progress and sustainable development;
- Cultivating a skilled generation of professionals capable of building resilient, low-carbon industries that contribute to climate change mitigation, resource efficiency and long-term societal well-being.

SCHEDULE

Date	Topic	Resource Person
Day 1: 07/04/2026 @2pm	Thermal Management of Lithium-Ion Batteries: A Sustainable Approach to Green Energy	Dr. Nirmalendu Biswas, Asst. Professor, Dept. of Power Engineering, Jadavpur University
Day 2: 08/04/2026 @2pm	Advancements and Future Prospects of Alternative Fuels in IC Engines	Dr. Mithun Das, Asst. Professor, School of Nuclear Studies & Application, Jadavpur University
Day 3: 09/04/2026 @2pm	Multi-Physics Mechanics-based Design of Magnetic Stimuli Active Robots in The Perspective of Bio-Medical Applications	Dr. Sushanta Ghuku, Asst. Professor, Dept. of Mechanical Engineering, Birla Institute of Technology (BIT) Mesra
Day 4: 10/04/2026 @2pm	Reliability and Productivity Analysis in Mining Machinery	Dr. Sumit Banerjee, Asst. Professor, Dept. of Mechanical Engineering, Sanaka Educational Trust's Group of Institutions, Durgapur
Day 5: 11/04/2026 @2pm	Micro Machining Aspect on Modern Manufacturing	Er. Sibabrata Mondal, Scientist-D, Head of Mechanical Division, SAMEER Kolkata Centre

CONFERENCE COMMITTEE

Chief Patron

Sri. S.S. Agarwal, President, OmDayal Group

Patron

Sri. Sagar Agarwal, Secretary, OmDayal Group

Co-Patron

Smt. Natasha Agarwal, Treasurer, OmDayal Group

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Dr. Prosenjit Sen, Vice Principal, ODGI

Organizing Committee

Dr. Saddam Hossain Mullick (Coordinator)

Dr. Ranjit Barua (Convenor)

Prof. Debasish Banerjee (Joint Convenor, Dept of BBA)

Prof. Deepanjan Das

Prof. Sumit Bhowmik

Prof. Animesh Mondal

Prof. Bikash Kumar Mondal

Mr. Premchand De

REGISTRATION

- Please click/scan the QR code and register by 31/03/2026.
- The FDP is open to faculty members and research scholars from all relevant disciplines.
- Registration Fee is NIL.
- e-Certificates will be issued to all the participants who have:
Attendance \geq 80%
Submitted Feedback Form



CONTACT

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