

MANAGEMENT DEVELOPMENT INSTITUTE MURSHIDABAD

MANAGEMENT DEVELOPMENT PROGRAMME GREEN COMPUTING



Course Overview

Green Computing is an emerging discipline focused on designing, using, and disposing of computing resources in an environmentally responsible way. This course equips participants with the knowledge and tools to minimize the environmental impact of IT operations, improve energy efficiency, and contribute to corporate sustainability goals.



Course Objectives

By the end of this course, learners will be able to:

- Understand the environmental impact of computing and digital systems.
- Apply green principles in the design, development, and use of IT infrastructure.
- Assess and reduce the carbon footprint of data centres, devices, and software.
- Implement energy-efficient policies and sustainable procurement strategies.
- Evaluate emerging green technologies and practices such as cloud computing, virtualization, and e-waste management.



Learning Outcomes

Upon completion of this course the participants will be able to

1. Articulate the Importance of Green Computing
2. Analyse Environmental Impacts
3. Apply Energy-Efficient Practices
4. Design Green Data Centres
5. Manage Electronic Waste
6. Formulate Green IT Policies
7. Evaluate Case Studies
8. Innovate Sustainable Solutions
9. Promote Green Computing Awareness
10. Measure IT Sustainability



Session Plan

1. Introduction to Green Computing: Definition and importance of green computing, Environmental impacts of computing, History and evolution of green computing

2. Energy Efficiency in Computing: Energy-efficient hardware design, Power management in computer systems, Energy-efficient software development practices, Case studies on energy-efficient IT systems

3. Green Data Centres: Design and operation of green data centres, Cooling technologies and energy management, Virtualization and cloud computing for energy savings, Case studies on green data centres

4. Sustainable IT Practices: E-waste management and recycling, Sustainable procurement and lifecycle management, green computing standards and certifications, Case studies on sustainable IT practices

5. Policies and Strategies for Green IT: Government policies and regulations, corporate strategies for sustainable IT, Measuring and reporting on IT sustainability, Case studies on green IT policies



Pedagogical Methods

1. Reviewing relevant, previously learned material.
2. Presenting the new information by linking it to previous learning.
3. Providing learning guidance or elaboration.
4. Providing time for practice and feedback.



Who Should Attend

Entry and Middle level executives working in large and medium organizations. The program is of great use for Micro, Small and Medium enterprise owners engaged in own businesses.



Faculty

The faculty will comprise of MDIM core faculty



Method of Delivery

The program is designed with an emphasis on application and reflection. The experiential exercises right from the psychometric test, games, and case study will constitute the integral part of the learning module.



Registration & Fees

Participants should be nominated by their organizations. The enclosed nomination form should be completed and returned with all the details. The fee of the program is **Rs. 10,000/ day /participant+ GST** which includes a professional fee and all charges for lodging and boarding and supply of course materials. GST as applicable will be charged extra in addition to the programme fee. Payment should be made by Cheque/ NEFT/RTGS.

The program fees can be paid through bank transfer as per the bank details given below:

Account Name: Management Development Institute Society
Bank Name: ICICI Bank
Account Number: 201505024814
IFSC Code : ICIC0002015
Branch Name: Jangipur
(Please share the transaction details for verification purposes after making payment)



Venue & Duration

The programme is scheduled on a residential basis at MDIM Campus, Kulori, P.O.-Uttar Ramna, P.S.- Raghunathganj, Dist.- Murshidabad, West Bengal, PIN-742235, India. Accommodation for participants would be available at MDIM Campus



Enquiry

For any Additional information/enquiry, please write to:

Department of Continuing Education Management Development Institute Murshidabad

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Programme Director



Dr. Bikramjit Pal

Assistant Professor – Information Management

Dr. Bikramjit Pal has established himself as a prominent figure in the field of engineering and technological studies, particularly within academia. His academic journey began with a profound interest in

engineering, which led him to pursue advanced studies and research in the field. Dr. Pal earned his PhD in Engineering from the Department of Engineering and Technological Studies at the University of Kalyani, where he laid the groundwork for his future contributions to academia and industry. Dr. Pal's association with academia spans more than 25 years, during which he has served in various capacities, including faculty member, project trainer, and researcher.

About MDI Murshidabad

Management Development Institute (MDI) was set up as an autonomous body in 1972. With an intention to impart management education, nurture local talent, and groom them to become global Leaders, Management Development Institute (MDI), launched its second campus in Murshidabad in the year 2014. The foundation stone was laid on the 31st of October 2010 at Jangipur, Murshidabad, West Bengal by the then Honorable Union Minister of Finance, Govt. of India, Shri Pranab Mukherjee. In 2014, MDI Murshidabad (MDIM) launched its Post Graduate Diploma in Management (PGDM). It was commemorated in the presence of the then honorable President of India Shri Pranab Mukherjee, by an inspiring address by him to our first batch of PGDM students on the 24th of August, 2014. This was followed by a deliberation made by Shri Arun Jaitley, then Hon'ble Minister of Finance, Defence & Corporate Affairs, Govt. of India. PGDM offered by MDIM is recognized and accredited by the All-India Council for Technical Education (AICTE), New Delhi, National Board of Accreditation (NBA). PGDM course is also recognised as equivalent to MBA by AIU for a period of three years (01.07.2024 to 30.6.2027). The Murshidabad campus is a part of MDI's vision to nurture and promote local talent and enterprise. The campus of MDI Murshidabad is in the central part of the State of West Bengal, India. MDIM prides itself in not only providing management Education but also developing ethical corporate citizens for tomorrow's India.

MDI Murshidabad continues to uphold its commitment to excellence in management education, as evidenced by its consistent IIRF rankings. In 2025 MDI Murshidabad has secured the prestigious **position of State Rank 1 among the Best B-Schools (Private) for PGDM General** and has also secured the **prestigious position of Zone Rank 3 for the overall category.**

Management Development Programme (MDP)

MDI Murshidabad has been conducting Training Programmes of strategic intent since inception. In this regard our MDPs not only aim at acquiring and upgrading knowledge and competencies in generic areas but also assist in specific areas to thrive in the competitive world of business. Our fundamental programmes revolve around leadership, Change Management, Managerial Effectiveness, Sales Excellence, Service Excellence, Sales & Distribution Management, How to build a Strong Brand. Cost Management, as well as emerging issues like AI&ML, Business Analytics, HR Analytics, Digital Marketing, and Data Science. MDIM is committed to impart quality management education. It understands the requirements of the modern business organizations and offers need-based customized MDPs to meet the organizations' excellence. To do so, the pedagogy adopted across the MDPs is based upon experiential learning exercises that believe in learning while doing. We are also conducting open MDPs for several valued clients who herald from various sectors. Such MDPs have been developing the holistic perspectives of the clients to resolve any given issues through cross-pollination of ideas.

Certificate of Participation shall be provided after the completion of the Course.



CAMPUS DETAILS



Campus Address:
Management Development Institute Murshidabad
Kulori, P.O.-Uttar Ramna, P.S. - Raghunathganj
Dist. Murshidabad, West Bengal, PIN-742235
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