

# MASTER OF PUBLIC SYSTEMS MANAGEMENT (MPSM)

Prof. (Dr.) P. K. Sikdar, HoD



The rapid improvement in infrastructure and increasing investments in the service sector has necessitated the involvement of specialized managers.

IISWBM, the pioneer in the field of management education, started the PSM programme in 1993 with the objective to meet these demands. This unique programme was taken up at the behest of the Government of India following of the recommendations of a Task Force constituted by the Ministry of Human Resource Development, for efficient management of sectoral services. The rationale behind Task Force recommendation was that management has generally been associated with business activities in the corporate sector with orientation towards profit; but in areas of public service it benefitted the public and professionals with management expertise were greatly needed. The main objectives of the PSM course are to develop and enhance appropriate managerial skills and abilities of students, to enable them to excel in the fields of Public Systems Management viz. Environment, Energy, Healthcare & Hospital and Transportation & Logistics. They can, thus contribute to the progress and development of society, assume responsible positions in organizations, develop entrepreneurial skills, qualities of leadership and high ethical standards.

This course has been recognized by the All India Council of Technical Education (AICTE) and accredited by National Board of Accreditation (NBA), Ministry of Human Resource Development, Government of India. The University of Calcutta has upgraded this programme as their Master Degree course from session 2009-2011.

## Course and Degree

MASTER OF PUBLIC SYSTEMS MANAGEMENT, a two-year full time course with specializations in Environment Management/ Energy Management/ Healthcare & Hospital Management/ Transportation & Logistics Management of University of Calcutta, is conducted by the Department of PSM, Indian Institute of Social Welfare and Business Management, Kolkata.

## Selection Procedure

The applicants for the admission to the MPSM Course are required to take CAT/MAT/CMAT/JEMAT/GATE/GMAT. The candidates short-listed on the basis of cut-off-marks in the above selection tests would be required to appear for a group discussion and personal interview at IISWBM, Kolkata. The final selection of candidates will be strictly on the basis of merit.

## Foreign/NRI/PIO Students

A candidate from abroad may apply, giving details of academic background along with a certified copy of passport and other relevant documents. GMAT/equivalent score is desirable. Admission may be considered subject to Bachelor's Degree qualification and any other requirements of University of Calcutta.

## Migration

Students from other Universities are required to get the Calcutta University's registration after migration. They will have to pay the Migration and University Registration fees etc, separately. Calcutta University's rules and procedures in this regard, are to be followed.

## Loan Facilities

Institute will provide the certificate to an applicant seeking loan from a bank which has floated the "Loan Scheme", referring that the candidate is a bonafide student of the Institute.

## Medals

- Silver Medals are awarded to the students of all the four specializations, standing first in the first class, in order of merit in the final examination.
- Ninita Ghosh Memorial Gold Medal is awarded to the best MPSM (Environment Management) student of the year.
- Jitendra Nath Bhaduri Memorial Silver Medal is awarded to the second best MPSM (Environment Management) student of the year.
- Bimala Bala Biswas Memorial Silver Medal is awarded to a lady student of MPSM (Environment Management) Programme for best project work.
- Nisha Rani Bhaduri Memorial Silver Medal is awarded to the best Environment Manager of the Year.

## Student Profile

The Institute has a cosmopolitan student profile from different states of India and countries like Bangladesh, Nepal, Bhutan, Kenya, Turkey.

## Placement

All the students of MPSM course get job placement support towards the end of the 3rd semester, i.e., December-January. Reputed companies from all over India come to the Institute for conducting campus interviews. Opportunities are available for project work all over India. The dissertation/ project work in companies/organizations is carried out as a part of 4th semester programme.

## Short term Courses which our students may pursue during their stay

- Disaster Management • Energy Management and Audit, ISO 50001 • Export-Import, Risk Management and Freight Forwarding • Groundwater Development and Management • GIS Techniques and Applications • EMS/ISO 14000

## Students Events

Annual event with alumni corporate executives, students and Faculty is held every year.

## ENERGY MANAGEMENT

Energy Management degree is a unique opportunity towards achieving professional excellence leveraging lasting advances in a world where the issue of sustainability has become paramount. Students receive theoretical and practical knowledge as well as training about latest energy technologies with software support. The objective of this Master degree program is to educate students with a multi disciplinary profile, enabling them in terms of real-world thinking and complex problem solving. The course provides knowledge and skills in the areas of Energy Conservation Efficiency, Renewable Energy, Greenhouse Gas Emissions, Energy Economics, Energy Policies, Planning etc. for sustainable development. IISWBM has a well equipped Energy Laboratory with a number of electrical and mechanical energy measuring equipment for conducting Energy Audit, to provide hands on experience even in the hard-core process industries. The India Chapter of the Association of Energy Engineers (USA) - the largest body of energy professionals is situated at IISWBM and helps the faculty members & students to have access to the state of the art practices in energy efficiency. The course is designed to develop future managers who will be able to support society for energy security.

### Eligibility

Graduates with honours or equivalent in Engineering, AMIE, Science, Economics, Management and Computer Application. Master degree students in all the above disciplines can also apply.

### SEMESTER - I

#### Compulsory Papers

Paper Code	Subject
MPSM-101	Management Principles & Practice
MPSM-102	Managerial Statistics
MPSM-103	Organizational Behaviour
MPSM-104	Management Information System
MPSM-105	Business and Government
MPSM-106	Managerial Economics
MPSM-107	Management Science
MPSM-108	Management Skills and Ethos

### SEMESTER - II

Paper Code	Subject
<b>COMPULSORY PAPERS</b>	
MPSM-201	Marketing Management
MPSM-202	Research Methodology
MPSM-203	Human Resource Management
MPSM-204	Management Accounting and Finance

#### ENERGY MANAGEMENT SPECIALIZATION

Paper Code	Subject
MPSM (ENGM)-205	Introduction to Energy Management and Audit
MPSM (ENGM)-206	Elements of Energy Technology
MPSM (ENGM)-207	Conventional Energy Resources and Systems
MPSM (ENGMJ)-208	Energy Efficiency in Electrical Utilities

### SEMESTER - III

#### ENERGY MANAGEMENT SPECIALIZATION

Paper Code	Subject
MPSM (ENGM)-301	Energy Efficiency in Thermal Utilities
MPSM (ENGM)-302	Non-Conventional Energy Resources and Systems I: Solar and Wind
MPSM (ENGM)-303	Energy Audit and Conservation in Metal Industries
MPSM (ENGM)-304	Energy Pricing and Economics
MPSM (ENGMJ)-305	Demand Side Management (DSM) and Distributed Generation
MPSM (ENGM)-306	Building Energy Management
MPSM (ENGM)-307	Energy and Environment
MPSM (ENGM)-308	Climate Change Mitigation and CDM

### SEMESTER - IV

#### ENERGY MANAGEMENT SPECIALIZATION

Paper Code	Subject
MPSM (ENGMJ)-401	Non-Conventional Energy Resources and Systems II: Biomass and Others
MPSM (ENGM)-402	Energy Audit and Conservation in Non-Metal Industries
MPSM (ENGM)-403	Energy Action Planning
MPSM (ENGM)-404	Project Development and Management

#### COMPULSORY PAPERS

Paper Code	Subject
MPSM-405	Project Work/Internship in the area of specialization
MPSM-406	Dissertation Paper in the area of specialization
MPSM-407	Viva voce (theory paper/dissertation) on subject of specialization

### GUEST FACULTY ENERGY MANAGEMENT

<b>Mr. Abhijit Chatterjee</b> Energy Consultant	<b>Mr. P. K. Chakroborty</b> Ex.-Director, West Bengal Power Development Corporation Ltd. (WBPDC)
<b>Mr. Reinhar Ploetz</b> Senior Export Services, German Govt.	<b>Mr. P. C. Purakayastha</b> Former Regional Director, Indian Airlines
<b>Mr. Amitava Mukherjee</b> Ex-Deputy General Manager, Oil & Natural Gas Commission (ONGC)	<b>Dr. Richard Blanchard</b> Director of Post Graduate Studies, Dept. of Electronics & Electrical Engg., Loughborough University, U.K.
<b>Mr. Angshuman Majumdar</b> Divisional Engineer, WBREDA	<b>Mr. S. K. Dutta</b> Senior Member - AEE (USA) Energy Consultant
<b>Mr. Anindya Bhattacharya</b> Energy Economist IGES, Japan	<b>Dr. Sudeb Bhattacharyya</b> Senior Scientist, Saha Institute of Nuclear Physics, Kolkata
<b>Mr. Al Thumana</b> Executive Director, AEE	<b>Prof. S. C. Bhattacharya</b> Adjunct Professor, IISWBM, Former Professor AIT, Thailand
<b>Prof. Chamanlal Gupta</b> Aurobinda Ashram, Pondicherry	<b>Mr. S. P. Gonchaudhuri</b> Ex-Director, WBREDA
<b>Mr. Dave Lahari</b> Partner, Viridian Energy & Environmental LCC, USA	Ex-MD, WBGEDCL
<b>Mr. K. K. Mitra</b> VR Lloyd Insulation Ltd.	<b>Dr. Shivaji Biswas</b> Director, NPC Eastern Region

The major concern to environmental management is determining ways in which industrial action can be made compatible with nature. When we say that business should contribute to the good of the society, it implies that business has an obligation both for stakeholders and environment. Here, the concept of corporate social responsibility comes up. Gradually, awareness about environmental issues is increasing among policy makers and public in general. Therefore, environmental management is not only a compliance issue, but also it is a strategic business practice. There is a wide scope of incorporation of environmental issues in business practice. Globally, green awareness, eco-friendly production, etc. become buzz words, which indicate heightened industry awareness on environmental issues. It may be due to prolonged activities of environmental activists. However, corporate strategy has been driven in the past by different forces viz. production pressures, personnel pressures, information pressures, etc. The beginning of 21st century shows clear signs of corporate strategy being driven by environmental pressures.

As environmental considerations are likely to be a source of quite profound changes in business practice, the curriculum of our Environment Management programme has been designed in such a way so that it would train environmental managers for tackling environmental issues in sustainable and cost-effective manner.

Besides regular teaching and organizing interactive discussion with corporate executives, MPSM (ENVM) conducts various consultancy and research projects for the public sector, government sector and private sector, like Coal, Power, Oil, National Highways, Port, Municipal; Corporation (aided by the World Bank, Asian Development Bank, NTPC, ILO, Planning Commission, StateGovt., Public Sector, etc.) where students get involved for practical and real life exposure from the stage of data collection, analysis to report writing. It also conducts various research programmes funded by national and international funding agencies in the field of economic development, environmental and social impact assessment and water resource management. Some need-based training is imparted to develop young entrepreneurs for prospective recruiters viz., industries, government, NGOs, etc. This programme is also run with IT focus for organizations keeping in view the industry demands. It regularly conducts seminars, conferences, panel discussions for better interaction between institute and industry, government, professional bodies and other management institutions.

Besides theoretical knowledge, laboratory facilities and field experiments are readily available. The Department has state-of-the-art Environmental Laboratory and Water Research Laboratory. The laboratories are also used for research and consultancy projects and enable the students to gain hands-on experience while actively participating in the different consultancy and research projects undertaken by the Department.

The tremendous growth of industrialization, urbanization and globalization has created an increased demand for environment managers. Career Prospect for Environment Management Program professionals has been increased manifold in recent past. Professionals are mostly employed by corporate sectors, NGOs, various public and private organizations, research organizations, consultancy agency, etc.

### Eligibility

Graduates with Honours or equivalent in Engineering /Science/Economics/BBA. Master degree students in all the above disciplines can also apply.

In this program prime focus is given on Environmental Pollution Management, Water Resource Management, Environmental Impact Assessment, Environmental Auditing, Risk Analysis & Disaster Management, Remote Sensing, GIS and Trade & Environment.

## SEMESTER - I

### Compulsory Papers

Paper Code	Subject
MPSM-101	Management Principles & Practice
MPSM-102	Managerial Statistics
MPSM-103	Organizational Behaviour
MPSM-104	Management Information System
MPSM-105	Business and Government
MPSM-106	Managerial Economics
MPSM-107	Management Science
MPSM-108	Management Skills and Ethos

## SEMESTER - II

### COMPULSORY PAPERS

Paper Code	Subject
MPSM-201	Marketing Management
MPSM-202	Research Methodology
MPSM-203	Human Resource Management
MPSM-204	Management Accounting and Finance

### ENVIRONMENT MANAGEMENT SPECIALIZATION

Paper Code	Subject
MPSM (ENVM)-205	Natural Resource Management
MPSM (ENVM)-206	Water Resource Management
MPSM (ENVM)-207	Management of Ecology, Forest & Wildlife
MPSM (ENVM)-208	Management of Socio-Economic Environment

## SEMESTER - III

### ENVIRONMENT MANAGEMENT SPECIALIZATION

Paper Code	Subject
MPSM (ENVM)-301	Air Pollution - Monitoring & Control
MPSM (ENVM)-302	Water Pollution - Monitoring & Control
MPSM (ENVM)-303	Management of Soil, Noise & Odour Pollution
MPSM (ENVM)-304	Solid and Hazardous Waste Management
MPSM (ENVM)-305	Environmental Impact Assessment
MPSM (ENVM)-306	Risk Analysis & Disaster Management
MPSM (ENVM)-307	Industrial Safety & Occupational Health
MPSM (ENVM)-308	Environmental Economics

## SEMESTER - IV

### ENVIRONMENT MANAGEMENT SPECIALIZATION

Paper Code	Subject
MPSM (ENVM)-401	Remote Sensing & GIS
MPSM (ENVMJ)-402	Environmental Legislation
MPSM (ENVMJ)-403	Environmental Management
MPSM (ENVM)-404	Systems Trade & Environment

### COMPULSORY PAPERS

Paper Code	Subject
MPSM-405	Project Work/Internship in the area of specialization
MPSM-406	Dissertation Paper in the area of specialization
MPSM-407	Viva voce (theory paper/dissertation) on subject of specialization

## GUEST FACULTY ENVIRONMENT MANAGEMENT

### Shri Amal Bhattacharya

GM- Quality & Customer Satisfaction, Product Activity, Schneider Electric Infrastructure Limited.

### Dr. A. N. Biswas

Former Chief Hydraulic Engineer, Calcutta Port Trust

### Dr. Asitava Sur

In-Charge QA, Metro Dairy Limited, Barasat

### Dr. Arunava Majumdar

Former Professor & Head, AIIPH, Kolkata and Joint coordinator, Regional Centre, NAEB, Jadavpur University

### Dr. Atanu K. Raha, IPS

Former Principal Chief Conservator of Forest, Government of West Bengal

### Shri A. K. Das

Former Joint Director HMD, SAIL

### Dr. B. K. Sikdar

Medical Inspector of Factories, W.B. & Certifying Surgeon, Medical Cell, Directorate of Factories, Government of West Bengal

### Prof. M. P. Roy

Former Chief General Manager (R&R) World Bank Project Division, Coal India Ltd.

### Shri Sandipan Mukherjee, IFS

Chief Conservator of Forest (P & C) Govt. of West Bengal

### Dr.S.C.Santra

Professor & Head, Dept. of Environmental Sciences University of Kalyani

### Dr.Satyajit Dhar

Professor, Dept of Business Administration, University of Kalyani

### Dr. Siddhartha Dutta

Pro Vice Chancellor and former Professor & Head, Dept. of Chemical Engineering, Jadavpur University

### Prof, Sivabrata Chattopadhyay

Former Chief Inspector of Factories, Government of West Bengal

### Mr. Somnath Bhattacharyya

Scientist, Institute of Environmental Studies & Wetland Management (IESWM), Koikata

### Dr. Tapas Gupta

Chief Engineer, WBPCB

### Shri T. M. Joardar

Sr. Manager (Mech.) Bakreswar Thermal Power Station West Bengal Power Development Corporation Ltd.

The Health Care and Hospital Management course has been designed to train the students to become managers who will be able to deliver health care services efficiently, with cultural understanding of health and illness. These managers will be able to make the health services nationally acceptable, reaching the remote areas of our country, cost effectively.

In the hospital sector, this course lays emphasis on training students to become managers who will deliver quality assured services in hospitals, managing with appropriate logistics.

The Health Care and Hospital Management course is covered in 2 full academic years, consisting of 4 semesters, which include theoretical papers, dissertation work, seminars/case studies and project/internship.

The Health Care and Hospital Management course has a syllabus ranging from planning and development of hospitals to giving quality support services in hospitals. The course also covers the legal aspects in health care and financial management. The Health Care aspect deals with the concept of disease and the managerial part of epidemiology.

The students will be joining as managers in hospitals both private and government and also as healthcare managers in the public sectors like NRHM (Government of India) and private sectors (NGOs).

**Eligibility :** MBBS, BHMS, BAMS, BUMS, BDS, BPT, B.OPTM, LLB, Graduates with Honours or equivalent in Pharmacy, Science, Economics, Commerce, Nursing, Nutrition and Engineering. Master degree students in all the above disciplines can also apply.

## SEMESTER - I

### Compulsory Papers

Paper Code	Subject
MPSM-101	Management Principles & Practice
MPSM-102	Managerial Statistics
MPSM-103	Organizational Behaviour
MPSM-104	Management Information System
MPSM-105	Business and Government
MPSM-106	Managerial Economics
MPSM-107	Management Science
MPSM-108	Management Skills and Ethos

## SEMESTER - II

### COMPULSORY PAPERS

Paper Code	Subject
MPSM-201	Marketing Management
MPSM-202	Research Methodology
MPSM-203	Human Resource Management
MPSM-204	Management Accounting and Finance

### HEALTHCARE & HOSPITAL MANAGEMENT SPECIALIZATION

Paper Code	Subject
MPSM (HHM)-205	Concept of Health and Diseases
MPSM (HHM)-206	Health Care Services
MPSM (HHM)-207	Planning and Organizing of Hospitals
MPSM (HHM)-208	Health Care & Hospital Logistics and Stores Management

## SEMESTER - III

### HEALTHCARE & HOSPITAL MANAGEMENT SPECIALIZATION

MPSM (HHM)-301	Development of Hospitals with Hospital Support Services
MPSM (HHM)-302	Management of Quality Assured Services
MPSM (HHM)-303	Hospital Operations and Pharmaceutical Planning
MPSM (HHM)-304	Hospital Management Information System
MPSM (HHM)-305	Concept of Community Health
MPSM (HHM)-306	Epidemiology, Prevention of Diseases
MPSM (HHM)-307	Legal Aspects in Health Care Administration
MPSM (HHM)-308	Financial Management in Health Care Sectors

## SEMESTER - IV

### HEALTHCARE & HOSPITAL MANAGEMENT SPECIALIZATION

Paper Code	Subject
MPSM (HHMJ)-401	Marketing in Hospitals and Health Care Organizations
MPSM (HHMJ)-402	Health Economics
MPSM (HHM)-403	Health Insurance
MPSM (HHM)-404	Health System Research (HSR)

### COMPULSORY PAPERS

Paper Code	Subject
MPSM-405	Project Work/Internship in the area of specialization
MPSM-406	Dissertation Paper in the area of specialization
MPSM-407	Viva voce (theory paper/dissertation) on subject of specialization

## GUEST FACULTY HEALTHCARE & HOSPITAL MANAGEMENT

### Dr. Anal Jyoti Chakraborty

School of Tropical Medicine, Kolkata

### Dr. Bhaswati Sengupta

Professor, All India Institute of Hygiene & Public Health, Kolkata

### Dr. Krishnangshu Ray

Director, School of Tropical Medicine, Kolkata

### Dr. Mala Chatterjee

Managing Director, Aaron Medical Services, Kolkata

### Dr. Rupali Basu

CEO, Apollo Gleneagles Hospital, Kolkata

### Mr. Suyash Borar

Chief Operations Officer,

B. M. Birla Heart Research Centre, Kolkata

### Dr. Satadal Saha

Ex -Medical Director, West Bank Hospital

### Prof. (Dr.) Suhrita Pal

Head, Dept. of Pharmacology

Calcutta Medical College & Hospital

### Mr. Sajal Dutta

MD, Desun Hospital & Heart Research Institute, Kolkata

### Mr. Ujjal Kesh

Chief Operating Officer, WestBankHospital, Howrah

### Dr. Jayasri Mitra

Dean, ESI Hospital, Maniktala, Kolkata

### Dr. Sandtp Roy

Retd. HoD, Community Medicare, Medical College, Kolkata

## TRANSPORTATION & LOGISTICS MANAGEMENT

With products being innovated, imitated, and made obsolete within a short span of time, the competition among corporates is actually a competition of their supply chains reaching the consumers at the appropriate time with minimal cost. Transportation and Logistics serve as an important mechanism in attaining such competitive advantage. The 2-year MPSM programme with specialization in Transportation & Logistics equips the students with all the requirements of the logistics and transportation sector, enabling them to create superior supply chains.

The course covers inter alia, different transportation sector modes, multi-modal transportation, container transportation through shipping lines, designing transportation and logistics systems, aspects of operations research, operations management, IT operations, warehouse management, and advanced supply chain planning and management.

The pedagogy uses examples, illustrations and case studies from the transport and distribution industries. Students are thoroughly acquainted with all the relevant management skills required by the industry. Regular industry visits, special lectures by industry and academic experts, Projects and Dissertation supplement the theoretical inputs.

The course is very well accepted by the Industry with students being placed in globally reputed organizations through campus placements in the areas of supply chain, operations, ICDs and CFS, warehousing, and transportation.

### Eligibility :

Graduate with Honours or equivalent in Engineering/Science/Commerce/Arts/Economics/BBA. Master degree students in all the above discipline can also apply.

## SEMESTER - I

### COMPULSORY PAPERS

Paper Code	Subject
MPSM-101	Management Principles & Practice
MPSM-102	Managerial Statistics
MPSM-103	Organizational Behaviour
MPSM-104	Management Information System
MPSM-105	Business and Government
MPSM-106	Managerial Economics
MPSM-107	Management Science
MPSM-108	Management Skills and Ethos

## SEMESTER - II

### COMPULSORY PAPERS

Paper Code	Subject
MPSM-201	Marketing Management
MPSM-202	Research Methodology
MPSM-203	Human Resource Management
MPSM-204	Management Accounting and Finance

### TRANSPORTATION & LOGISTICS MANAGEMENT SPECIALIZATION

Paper Code	Subject
MPSM (TLM)-205	Logistics and its Integrated Approach in Industry
MPSM (TLM)-206	Road Transport Management
MPSM (TLM)-207	Water Transport Management
MPSM (TLM)-208	Rail Transport Management

## SEMESTER - III

### TRANSPORTATION & LOGISTICS MANAGEMENT SPECIALIZATION

Paper Code	Subject
MPSM (HHM)-301	Air & Pipeline Transport Management
MPSM (HHM)-302	Urban Transport Management
MPSM (HHM)-303	Operations Management in Transport Services
MPSM (HHM)-304	Information Technology in Transport Management
MPSM (HHM)-305	Materials Management
MPSM (HHM)-306	Supply Chain Management
MPSM (HHM)-307	Multimodal Transport System
MPSM (HHM)-308	Corporate and Strategic Planning in Transport Management

## SEMESTER - IV

### TRANSPORTATION & LOGISTICS MANAGEMENT SPECIALIZATION

Paper Code	Subject
MPSM (TLM)-401	Transport Economics
MPSM (TLM)-402	Integrated Model of Supply Chain Management
MPSM (TLM)-403	Energy & Environmental Issues in Transport Management
MPSM.(TLM)-404	Transport Planning and Policy

### COMPULSORY PAPERS

Paper Code	Subject
MPSM-405	Project Work/Internship in the area of specialization
MPSM-406	Dissertation Paper in the area of specialization.
MPSM-407	Viva voce (theory paper/dissertation) on subject of specialization

## GUEST FACULTY TRANSPORTATION & LOGISTICS MANAGEMENT

### Mr. Anup Choudhury

Station Manager  
Bhadra International India Ltd., Kolkata

### Dr. Duke Ghosh Ph.D

Former Logistics Manager, Exide Industries Ltd.

### Mr. Utpal Sinha

Traffic Manager and Convenor (Retd.)  
Marketing Group, Kolkata Port Trust

### Mr. R. K. Biswas, MA

Ex-Deputy Commercial Manager, Indian Airlines

### Mr. Sunil Kr. Roy

B.E., M.S.(USA), FIE, FIS

### Mr. Smarajit Mitra

M.Com, ECA, LIII  
Sr, Partner, SMA Consulting, Kolkata

### Mr. Swastik Misra, IRTS (Retd.)

Consultant, Asian Development Bank & Former Addl.  
General Manager, South Eastern Railway,

Former HoD-MPSM, IISWBM

### Mr. D. N. Chakravarti

Former Chief Materials Manager,  
Calcutta Port Trust &  
Chairman (Eastern Region) IMM

## ELIGIBILITY AND SELECTION PROCEDURE

### MPSM 2014-2016

#### ELIGIBILITY CRITERIA FOR THE COURSE

- **ENERGY MANAGEMENT**—Graduates with honours or equivalent in Engineering, AMIE, Science (Physics, Chemistry, Mathematics, Economics), Bachelor in Business Administration, Computer Applications are eligible to apply.
- **ENVIRONMENT MANAGEMENT**—Graduates with honours or equivalent in Engineering / Science/ Economics/ Bachelor in Business Administration or Bachelor/Master in Computer Applications are eligible to apply.
- **HOSPITAL AND HEALTH CARE MANAGEMENT**—MBBS, BHMS, BAMS, BUMS, BDS, BPT, B.OPTM, LLB, Bachelor in Business Administration, Graduates with Honours or equivalent in Pharmacy, Science, Economics, Commerce, Nursing, Nutrition and Engineering are eligible to apply.
- **TRANSPORTATION & LOGISTICS MANAGEMENT**—Graduates with honours or equivalent, in Engineering / Science / Commerce / Arts / Economics / Business Administration / Computer Applications are eligible to apply.

Master degree students in all the above discipline can also apply.

All graduates **must have a degree from AICTE/UGC approved** Colleges/Universities/institutes.

#### SELECTION PROCEDURE

Screening process is through **CAT/CMAT/JEMAT/GATE/GMAT** scores followed by **Group Discussion and Personal Interview**