



# **MBA-PUBLIC SYSTEMS, BATCH 2019-21**

(2 YEARS FULL TIME, UNIVERSITY OF CALCUTTA)

**ENERGY MANAGEMENT ■ ENVIRONMENT MANAGEMENT**

**PLACEMENT  
BROCHURE  
2020 - 2021**



## **IISWBM**

*"The first B-School in India"*

*"Our graduates nurture and build companies"*

# The Foundation



*Pandit Jawaharlal Nehru  
laying the Foundation Stone of  
the Academic Block-1958*



*Inauguration of the first Business Management course in India (PGDBM) on 5th July, 1954  
(Dr. B. C. Roy addressing the gathering : Dr. J. C. Ghosh, Vice-chancellor of University of Calcutta, sitting)*



*Dr. B. C. Roy, Visionary Chief  
Minister of West Bengal &  
the Founder President BOG-IISWBM*



*Professor D. K. Sanyal  
the Founder Director*

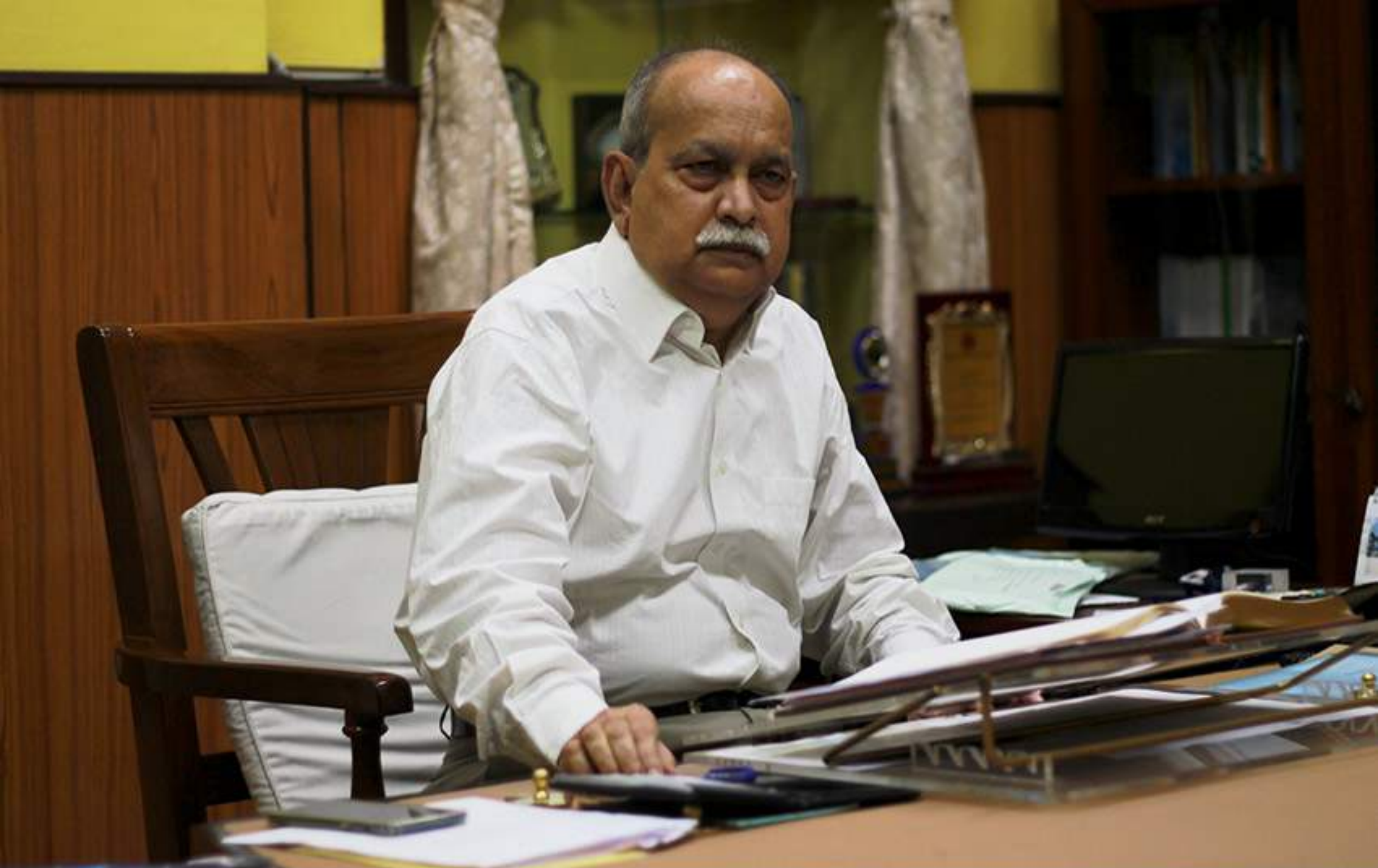


*Profulla Chandra Sen, the then Chief Minister  
of West Bengal & President BOG-IISWBM  
From 1963-64 to till his death  
(i.e. 25th September 1990)*

# Contents

● From the Director's Desk	3
● Message from Head, MBA - Public Systems	4
● About the Institute	5
● Faculty	6
● Infrastructure	8
● Placement Guidelines	9
● Laboratory Facilities	10
● Course Overview – Energy Management	12
● Course Curriculum – Energy Management	13
● Visit by Industry Experts	14
● Visits and Seminars – Energy Management	15
● Batch Diversity – Energy Management	16
● Students Profile – Energy Management	18
● Partial List of Illustrious Alumni – Energy Management	22
● Partial List of Internship – Energy Management	23
● Placement Recruiters – Energy Management	24
● Placement Snapshot – Energy Management	25
● Course Overview – Environment Management	26
● Course Curriculum – Environment Management	27
● Visits and Seminars – Environment Management	28
● Batch Diversity – Environment Management	29
● Students Profile – Environment Management	31
● Partial List of Illustrious Alumni – Environment Management	34
● Partial List of Recruiters – Environment Management	35
● Placement Snapshot – Environment Management	36

Corporate Relations Cell



## From the Director's Desk

It's my pride and pleasure to introduce the graduating batch of MBA(Public Systems), 2021. IISWBM is one of the top and early B-Schools in India to offer MBA in Public Systems since 1993 with specialization in Energy, Environment, Health Care & Hospital and Transportation & Logistics thus contributing towards the progress and sustainable development of society.

The degree is affiliated to University of Calcutta which is again India's top universities ranked by NIRF & QS thus ensuring update curriculum and quality delivery. Our alumni hold responsible positions in Government Agencies, MNC's, Research Institutes and NGOs.

**Four students of the Energy Management 2020 batch have won International Scholarship by Association of Energy Engineers (USA).**

The uniqueness of IISWBM is that it is not just a management institute but one where emphasis is more on socially relevant programs and proper management of public utilities along with creation of strong domain knowledge in various areas of general management.

I am sure you will find deserving candidates in this batch and thus become partners in our quest for a sustainable world.

We look forward to your gracious participation in our Campus Recruitment Drive 2020-21.

With Regards,

**Sri Dipankar Das Gupta**  
Director, IISWBM




## **Message from Head, MBA -Public Systems**

It is a proud moment for us to present the students of MBA-Public Systems Management Department who came from diverse backgrounds and have developed themselves academically and professionally during their two year stay at IISWBM through class room teaching as well as industry attachment, participation in various events, industry visits and interaction with industry experts through various programs.

I believe that they could now form a valuable resource base for serving the industry in all the four different domains of their specializations, namely, Environment Management, Energy Management, Health Care & Hospital Management and Transportation & Logistics Management.

**Prof. (Dr.) Jayanti De**  
**Head - Department of MBA - Public Systems Management**

# ABOUT THE INSTITUTE



Quality of Faculty,  
that consistently  
ranks highest  
amongst premier  
B-Schools in terms  
of Intellectual  
Capital

Learning environment  
- the faculty members  
are dedicated to the  
development of its  
students and the  
Institute and regularly  
engage themselves in  
research and project  
work. Several faculty  
members have won  
prestigious award  
over the years



Successful Alumni  
spread across the  
globe. IISWBM has  
tested the seasons  
of time to raise  
itself as a  
respectable brand  
name that  
generates  
overwhelming  
response even  
today.

**The three pillars of  
IISWBM**

It has been 67 long years down the path of knowledge; the Indian Institute of Social Welfare & Business Management shines bright in the scholastic world for its constant yearn for success and betterment.

The year was 1942, the first Prime Minister of India, Pandit Jawaharlal Nehru laid the foundation stone of a social welfare training to match the needs of skilled labour by the British Government for its ordnance factories. Few years later on the 25<sup>th</sup> of April, 1953, Dr. B.C. Roy, the then Chief Minister of West Bengal along with Dr. D.K. Sanyal, established the first B-School of the country.

The IISWBM has the honour of lending valuable expertise to esteemed institutes such as IIM-C (Indian Institute of Management, Calcutta) and DoMS IIT ISM Dhanbad.

The Department of Posts, Government of India released a commemorative stamp to celebrate the Golden Jubilee of the Institute in 2003.

Currently IISWBM offers courses on MBA, MBA(HRM), MBA(Energy & Env, Logistics, Healthcare), MSW, Retail, Sports Mgt., Integrated M.Phil & Ph.D., all of which are autonomous courses affiliated to the University of Calcutta.

IISWBM holds the pride of being the first institute of the country to offer an MBA degree. All these years, the highly knowledgeable faculty, dedicated staff, deemed alumni and erudite students have upheld the esteem and pride of the institute and will continue to do so in the foreseeable future.



India's first B-school

# FACULTY



## DIRECTOR

Sri Dipankar Das Gupta

## HEAD OF DEPARTMENT

Prof. (Dr.) Jayanti De, M.A., M.Phil., Ph.D.

## PROFESSORS

Dr. Archana Sharma, MBA, Ph.D., Head - MRM

Dr. B.K. Choudhury, B.E., Ph.D. (IIT KGP)

Dr. Chinmoy Jana, Ph.D. (IIT KGP)

Dr. Gairik Das, M.E., MBA (UK), Ph.D., Head-MDP & Business Management Projects

Dr. Jhomoor Biswas, M.Sc., M.Tech., Ph.D.

Dr. K.M. Agrawal, Ph.D.

Dr. Madhumita Mohanty, M.A., M.Phil., Ph.D. (IIT KGP)

Dr. P K. Sikdar, M.Sc. (Cal), ICZM Dip. (UK), Ph.D. (Cal), F.G.M.S., F.G.S. (Ind), MMGI

Dr. Sudeepa Banerjee, MBA, Ph.D., Head-Social Welfare, Computer & Media Management

Dr. Sumati Ray, M.Sc., MBA, Ph.D. Head-MBA (HRM)

Dr. S K. Mallick, B.Com. (Hons.), C.A., Ph.D. (NYU), Convenor - M.Phil./Ph.D.

Dr. Sarbani Mitra, B.Ed., PGDMEnvM, PGDSA, MBA, Ph.D., Head-Fire Management

Dr. Soma Roychowdhury, M.Sc. (Stat.), Ph.D.

Dr. Tanima Ray, M.A. (CU), RTP (Centre for Studies in Social Sciences Calcutta), PGDBM (IIM Calcutta), Ph.D (CU), Head-MBA

## ASSOCIATE PROFESSORS

Dr. Dipa Mitra, Ph.D. (University of Calcutta)

Dr. Madhab Milan Ghosh, M.Com., Ph.D., Head-Sports Management

Dr. Sohini Banerjee, LL.B (Hons.), LL.M. (University of Cambridge,UK), Ph.D.

# FACULTY

## ASSISTANT PROFESSORS

Mr. Ankan Banerjee, M.A, PGDSM  
Dr. Arindam Dutta, B.E., M.Tech., Ph.D.  
Mr. Buddhadi Mukherjee, MPMIR (Psychology, BHU), DSW (Calcutta University),  
CoA (Mind Mapping) (PDC, Singapore)  
Dr. Gita Khawas, MSW (Madras University), Ph.D. (Jadavpur university)  
Dr. Malini Nandi Majumdar, MBA, Ph.D.  
Mr. Manjit Sarkar, MBA (BU), FDPM (IIMK), UGC-NET  
Ms. Piyali Sengupta, M.Sc. PGDEM  
Mr. Sandip Ghosh, M.A., LL.B, MBA  
Dr. Sanghamitra Sen, MBBS, DLO, PGDHM, MBA  
Ms. Sona Banerjee, M.A. (Education), PGD Mass Communication (JU), CELTA / RSA  
(Cambridge University)  
Mr. Subhasis Ray, M.Stat. (ISI), M.Tech. (ISI) (Comp. Sc.), M.Phil. (Management)  
Dr. Soubarna Pal, M.Sc. (Cardiff University, UK) Ph.D. (Cardiff University, UK)  
Dr. Surajit Chakraborty, M.Sc., Ph.D.

## GUEST FACULTY MEMBERS

Mr. Ashutosh Kar, Registered in Ph.D. under West Bengal University of Technology, M.Phil in Business Administration,  
PGDBM (IMT Ghaziabad Kolkata Chapter) and Masters in Mathematics.  
Dr. Aniruddha Mukherjee, MBBS, Technical Consultant, Glocal Healthcare Systems Pvt. Ltd.  
Dr. Amit Kundu, Ph.D.  
Mr. Analjit Chakraborty, MBA  
Mr. Ashim Kumar Maitra, Post Graduate in Economics from Delhi School of Economics; Joint Director (Coal) Railway  
Board, Kolkata  
Dr. Duke Ghosh, Ph.D. (Economics) Jadavpur University; Partner & Researcher, Global Change Research  
Mr. Gopal Krishna Mohanty, MA(Economics) , IRTS (Retd.)  
Mr. Himansu Sekhar Routh, Ph.D Thesis (on Renewable Energy- Small Hydro Project Management) submitted on  
24.5. 2018 Dean I Professor at KIIT University, Bhubaneswar  
Dr. Manjishtha Sur Roy Choudhury, Ph.D. in Psychology from the Psychology Research Unit, Indian Statistical Institute,  
Kolkata  
Mr. Prasun Kumar Chakraborty, BE from North Bengal University; Former MD, WBPDC  
Dr. Rumjhum Ray Chaudhuri, Ph.D. in Anthropology from CU in 1992  
Mr. Ranajit Kr. Biswas  
Dr. Sudeb Bhattacharya, Ph. D., Calcutta University, Senior Professor (retired), Applied Nuclear Physics Div. Saha  
Institute of Nuclear Physics  
Mr. Swapan Kumar Dutta, MME Jadavpur University, Accredited Energy Auditor, BEE  
Mr. S. C. Basu, M.Sc (Anthropology), University of Calcutta; M.A. (PM & IR) – Tata Institute of Social Sciences, Mumbai  
Mr. Smarajit Mitra, FCA, M.COM, AIII; MD, Smarajit Mitra & Associates Consultancy Services Pvt. Ltd.  
Mr. Samrat Chowdhuri, MPSM  
Mr. Surajit Biswas, MPSM  
Mr. Tanay Kumar Das, Master in Public Health Engineering in 1992 from All India Institute of Hygiene & Public Health,  
University of Calcutta  
Mr. Utpal Sinha, B.Sc(Hons), Presidency College, M.Sc (Calcutta University); Traffic Manager & Convenor(Retd.) ,  
Marketing Group, Kolkata Port Trust

(This is not an exhaustive list)



# Infrastructure

- Wi-Fi enabled campus
- Computer Laboratory with 50 Mbps leased line internet connection, along with ISDN connectivity, VSAT and TCP-IP connectivity
- Central library with EBSCOhost Premier Research & Jgate Plus Platform
- Web assisted Language Laboratory
- Seminar and conference rooms with seating capacity of 150 and 120 respectively
- Hostel Facility
- Yoga & Gymnasium Centre
- Student Activity Centre

# PLACEMENT GUIDELINES

- IISWBM follows One Company-One Student placement policy.
- Upon receipt of confirmation to participate, we encourage prospective recruiters to deliver Pre Placement Talk (PPT) on a mutual convenient date or share the details via mail.
- CTC disclosure prior to selection process is a pre-requisite.
- Profiles of interested and eligible candidates are shared with the company.
- During placement season, there could be a possibility of two or more companies conducting placement drive simultaneously. In such case, whichever company rolls out the job offer first shall get the candidate.
- In order to facilitate the recruitment process, institute will provide the necessary infrastructure.
- Companies participating in the Institute's Placement Process may kindly note that delay in announcing and confirming the job offers, may result in the selected/shortlisted candidate being placed in another company.
- If the organization wishes to interview candidates for their Summer Internship, the Placement Cell will facilitate in organizing the same. Period of Internship being two months (June-July).
- An organization is free to choose its criteria and method of selection.
- Students on LWP/Sabbatical desirous of participating in campus recruitment, need to furnish 'No Objection' from current employer

# LABORATORY FACILITIES

Laboratory facilities and field experiment/live project opportunities are readily available as the Institute undertakes quite a number of prestigious research and consultancy assignments. The Institute has state of the art Energy and Environment Laboratories.

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 projects undertaken by the Institute. Students are required to conduct experiments and supplement their theoretical knowledge.

IISWBM's Energy Laboratory is well equipped with a 790 watt peak Solar Photovoltaic Power Research Station and a number of electrical and mechanical energy measuring equipments some of which are listed below and softwares like TRNSYS, e-Quest etc. which are required for energy study and for conducting Energy Audit in energy intensive industries such as paper, power, cement and commercial buildings. Virtually the laboratory is extended to remote areas in Sunderbans, to large industrial establishments as students are engaged in the Institute's field research and consultancy services. The Energy Laboratory has also been adorned with various awards from the Association of Energy Engineers AEE, (USA).



Indian Institute of Social Welfare and Business Management (IISWBM), the first management institute in India, has set up a Groundwater Modelling Laboratory and GIS Cell in the Department of Environment Management of the Public Systems Management Programme. The principle objective of this is to impart quality training to the students on Water Resource Management, GIS and Remote Sensing and to carry out different research projects and consultancy. Faculty members of the Environment Departments have executed several projects funded by the Department of Science and Technology, Government of India; Council for Scientific and Industrial Research, Government of India; United States Geological Survey; Calcutta Urban Services, Kolkata; SIMAVI, Netherlands, Hindalco, Ministry of Defence, Govt. of India (Ichapur Rifle Factory and Cossipore Gun and Shell Factory), National Thermal Power Corporation (NTPC) etc.

Faculty members of this departments also tie-up and collaborate with various industry for research work. These includes United States Geological Survey, University of Delaware, USA, University College London, U.K., Nanyang Technological University, Singapore, Indian Institute of Technology, Kharagpur, Centre for Ground Water Studies, Kolkata and Central University of Gujarat

Other instruments in Environment Laboratory include:



**INSTRUMENTS IN ENVIRONMENT LABORATORY**

- High Volume Sampler
- Respirable Dust Sampler
- CO Monitor
- Hydrocarbon Monitor
- Stack Emission Monitoring Kit
- Weather Monitoring Station
- BOD Incubator, Spectrophotometer
- pH Meter, Conductivity Meter, Hot Air Oven
- Distillation Unit, Noise Level Meter

**INSTRUMENTS IN GROUND WATER MODELLING LABORATORY**

- Wagtech International Digital Arsenator
- Muffle Furnace
- Seive Shaker
- Digital Weighing Machine
- Solinst Model 101 water Level Meter
- Leica and Garmin make GPS

**INSTRUMENTS IN ENERGY LABORATORY**

- Digital Anemometer, Stroboscope Tachometer
- Sunshine Recorder, Digital Solar Meter
- Insulataion Tester
- Power Clamp Meter
- Three Phase LT & HT Power Quality Analyzer
- Three Phase LT & HT Network Power Analyzer
- Digital Lux Meters Diffuse Pyranometer
- Thermoelectric Pyroheliometer Digital Photo Tachometer
- Digital Gas Analyzer Digital Thermometer
- Digital Thermometer and Thermo Hygrometer
- Thermal Imager, Infrared Thermometer

# COURSE OVERVIEW

## Energy Management

Indian economy is growing fast. Our targeted annual GDP growth rate is 8.5 to 9%, as per the "India Vision 2020" document published by Indian Planning Commission. To sustain this growth, India must add generating capacity at the rate of 10,000 MW per annum or its equivalent i.e., to grow by five times in the next 20 years. As per "Energy statistics 2012" document published by the Ministry of Statistics and Programme Implementation (GoI), India currently imports 81%, 20% and 16% of its oil, natural gas and coal consumption respectively. Even then, about 400 million Indians still do not have access to electricity with an electrification rate of 64.5%. Hence, it is well recognized that the quickest and the most cost-effective way of ensuring maximum production of energy is by improving efficiency. However it also needs to be noted that the transmission and distribution losses in India ranks amongst one of the highest in the world. It is about 30%, which is more than Japan at 4%, China at 6% and Brazil at 14%.

Apart from the above challenges, India also has a unique opportunity to follow a low carbon but high inclusive growth path towards above 0.9 Human Development Index (HDI) by learning lessons from developed countries by discovering and advocating indigenized solutions to National issues, yet keeping electricity consumption moderate (below 4000kWh/capita/year) and that is possible.

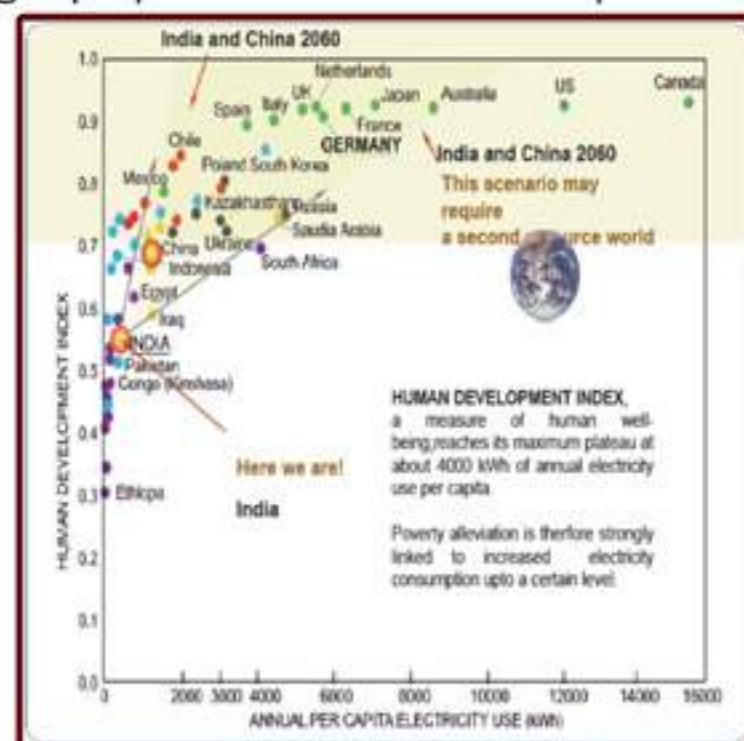
It is evident from the attached graph that otherwise all the resources of another earth without population would be needed and that is practically impossible. The rapidly evolving technological and technical solutions, changing socio-economic and political scenario, dwindling fossil fuels reserve, greater emphasis on environmental pollution to which the energy sector contributes the largest, water scarcity and its energy link, ever-increasing fuel import bill which is more than our trade deficit, evolution of different trading mechanism including REC, new dimensions of competition and regulations including the Energy Conservation Act 2001 (amended in 2010), PAT scheme for Designated Consumers, international standard on Energy Management System ISO-50001,

The market drives in the era of energy labelling are rewriting the prescription for industrial growth and social development in India.

That is why our budding energy managers and professionals have a balanced curriculum incorporating the theories and practical exposure to address the above mentioned issues. IISWBM, in last two decades, boasts of having built an alumni base of more than 350 Masters in Energy Management, 130 certificate holders from Short Term course in Energy Management and Audit and host the **India Chapter of Association of Energy Engineers, USA** the largest body of energy professionals, the first USAID supported Energy and Green House Gas Accounting Cell, and Energy Club. Being a preferred institute for energy application research and consultancy, IISWBM engages the masters' students to all such field activities in leading industries and organizations that helps the students get prepared with hands-on experience before they actually are absorbed in the coveted jobs.

Their technical writing, communication and organizational skills are sharpened through such interactions, organization of seminars, publication of ENERGY WINDOW and academic papers pertaining to energy management. Other activities of IISWBM are being a collaborator with leading Chambers of Commerce and Industries in India, **AEE (USA), Loughborough University and Coventry University, UK.**

Thus in the field of energy management, the institute has secured twenty-six international awards. Also, many students of Energy Management from IISWBM have secured International Student Scholarships from **AEE (USA).**



# COURSE CURRICULUM

## Energy Management

Semester I	
Paper Code	Paper Name
101	Management Principles and Practice
102	Managerial Statistics
103	Organizational Behavior
104	Management Information System
105	Business and Government
106	Managerial Economics
107	Management Science
108	Management Skills and Ethos

Semester II	
Paper Code	Paper Name
201	Marketing Management
202	Research Methodology
203	Human Resource Management
204	Management Accounting and Finance
205	Introduction to Energy Management, Audit and Measurement
206	Renewable Energy Source: Solar and Wind
207	Energy Technology for Management
208	Energy Efficiency in Electrical Utility

Semester III	
Paper Code	Paper Name
301	Energy Efficiency in Thermal Utility
302	Climate Change Mitigation and Sustainability
303	Conventional Energy Resource and System
304	DSM and Distributed Generation
305	Building Energy Management
306	Energy and Environment
307	Energy Audit & Sustainability in larger industries including DC's
308	Energy Pricing and Economics

Semester IV	
Paper Code	Paper Name
401	Renewable Energy Management : Biomass, Small Hydro and others
402	Energy Audit and Conservation, Sustainability in SME's
403	Energy Action Planning
404	Energy Business Models & Processes
405	Project Work/Internship in the area of specialization
406	Dissertation paper in the area of specialization
407	Viva voce (Theory paper/Project/Dissertation) on subject of specialization

# VISITS BY INDUSTRY EXPERTS

- Online Session on Entrepreneurship, Professionalism & Ethics by Mr. Rajnish Sinha-Director, Ambirisk in September 2020.
- Online Session on ISO Certifications by Mr. Dev Deepta Nandy in September 2020.
- Online session on Carbon Markets and Career growth in this industry by Mr. Abhishek Shrivastava and Mr. Pawan Kumar Kundi in October 2020.
- Mr. Arindam Saha, Jt. CEO, Ticker Plant Ltd. delivered a lecture on Energy Management on EnCon day on the 14th of December 2018.
- Mr. Ashok Sarkar, Senior Energy Specialist & Team Leader, Energy Efficiency Project, World Bank delivered a talk on Energy Management & World Bank on 26th February 2019.
- Dr. Anindya Bhattacharjee, Executive Director, Celestial Earth and Sr.Consultant, KPMG delivered a talk on Energy Management on 14<sup>th</sup> September 2018
- Mr. Tapas Kr. Ghatak Former Project Director, MSW, (JICA) and In-Charge Environment Cell, KMDA, Department of Urban Development, Government of West Bengal delivered a talk on Environment Management on 14<sup>th</sup> September 2018
- Mr. Subhro Sen, Senior Coordinator, Energy Access and Communities Climate Change and Energy, WWF-India delivered talk on Renewable Energy and Climate Change on 11<sup>th</sup> May, 2018 at 14.00 hrs. to the 2<sup>nd</sup> Semester students of Environment Management and Energy Management (session 2017-2019)
- Mr. R C Dutta, Chief Inspector of Safety, Govt. of West Bengal delivered a talk on industrial safety on 8<sup>th</sup> September, 2017 to the 3<sup>rd</sup> semester students of Energy Management (session 2016-2018)
- Dr. Gour Das, Board of Directors, Peerless Hospital and renowned social activist delivered a talk on rural development & management on 3<sup>rd</sup> September, 2017 to the 3<sup>rd</sup> semester students of Energy, Environment and Health Care & Hospital Management (session 2016-2018)
- Mr. Tanul Chakraborty, Area Manager-Business Development, CG Power and Industrial Solutions Limited delivered a talk on energy efficient products and energy management on 3<sup>rd</sup> September, 2017 to the 3<sup>rd</sup> semester students of Energy Management (session 2016-2018)
- Mr. V B Mahendra, CMD, Encon Thermal Engineers Pvt Ltd. delivered a talk on energy efficiency and best practices on furnace and solar, on 3<sup>rd</sup> September, 2017 to the 6<sup>th</sup> semester students of Energy Management (session 2016-2018)
- Mr. Bijayan Srivastava, Environment Manager, Reshmi Group delivered talk on industrial sustainable during the month of July, 2017 to the 2<sup>nd</sup> semester students of Environment Management (session 2016-2018)
- Mr. Indranil Mitra, Energy Consultant, Genpact, delivered talk on industrial safety during the month of July, 2017 to the 4<sup>th</sup> semester students of Environment Management (session 2016-2018)

# VISITS & SEMINARS

## Energy Management

### SEMINARS:

- **Building services through intelligent network**  
Organised by State electrical engineers association west Bengal
- **AIMA ( All India Management Association) Regional Management Conclave**  
**Topic:** leadership at the age of disruption
- **BCCI Energy and Environment Conclave**  
**Topic:** Disruptive innovations in energy transitions
- **TERI, GRIHA Council**  
**Topic:** Energy Building Simulation

### INDUSTRIAL VISITS:

- **Asphaltium (road) Department Kolkata Municipal Corporation**
- **Aditya Birla Insulators**
- **Jaya Shree Textiles**
- **Hindustan National Glass**
- **IEST Shibpur**
- **Tata Mettaliks**
- **CESC**

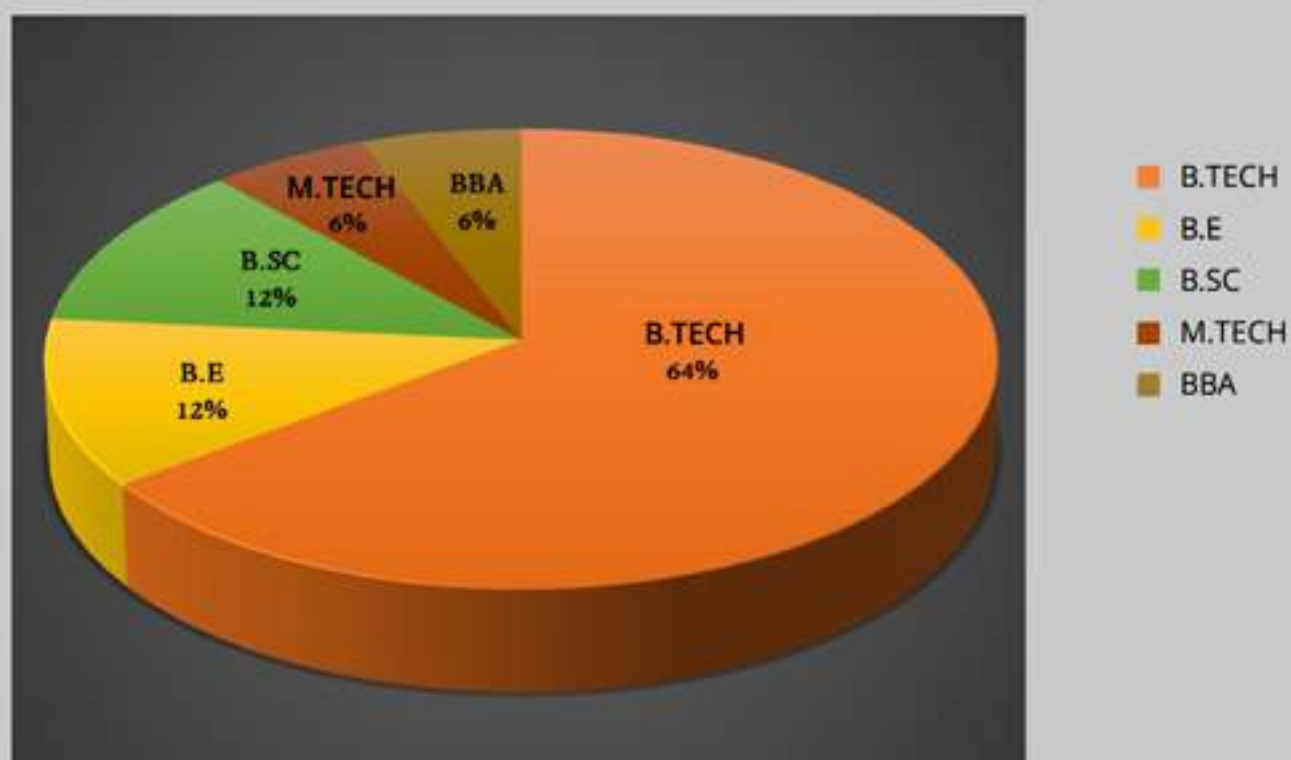
This year it could not be arranged due to Covid 19.



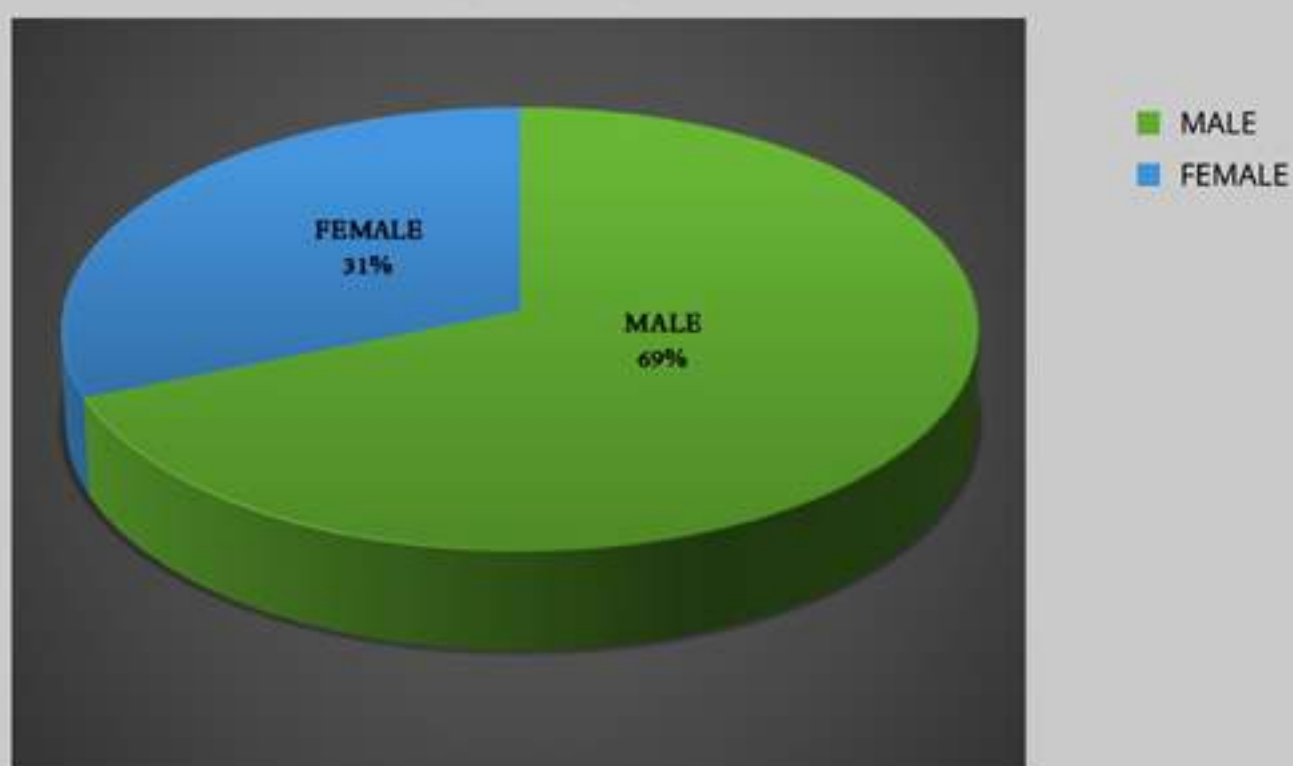
# BATCH DIVERSITY

## Energy Management

*Batch Diversity of Energy Management (2019-2021)*



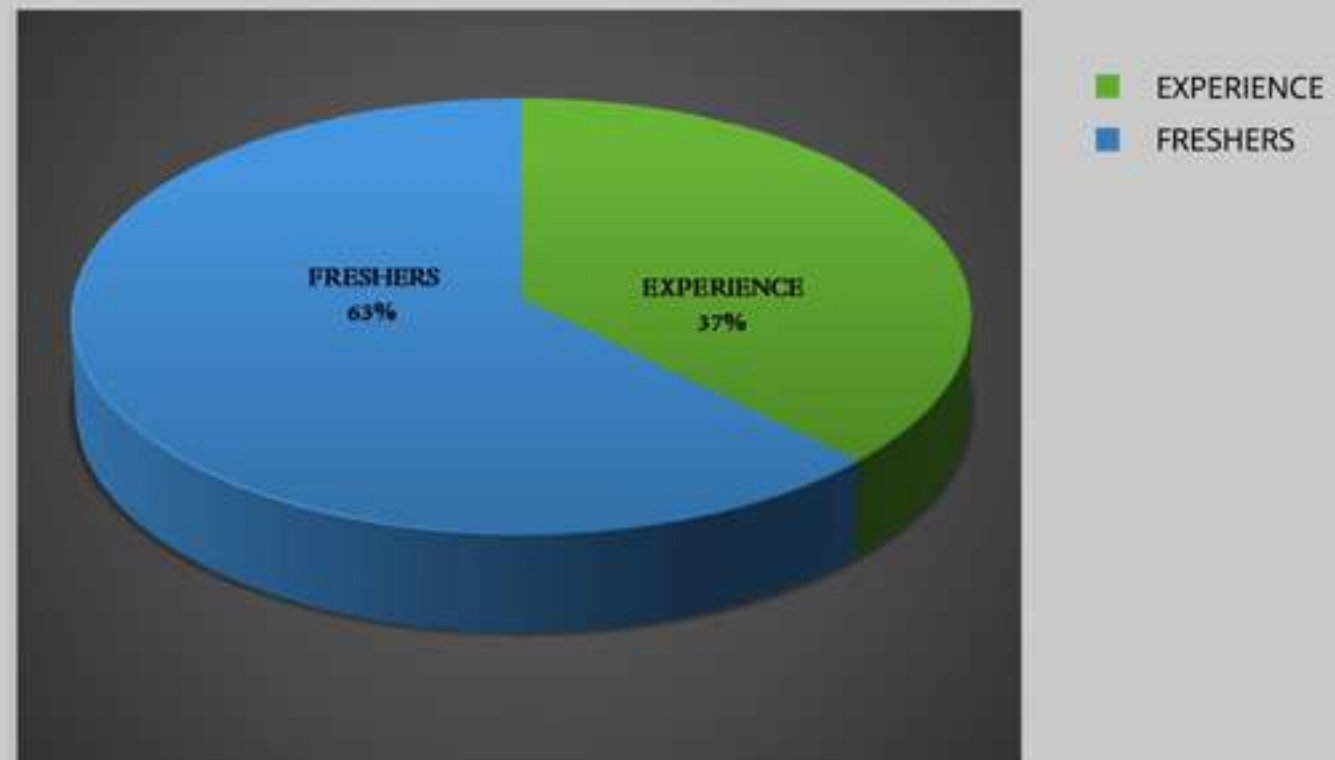
*Gender Diversity Energy Management (2019-2021)*



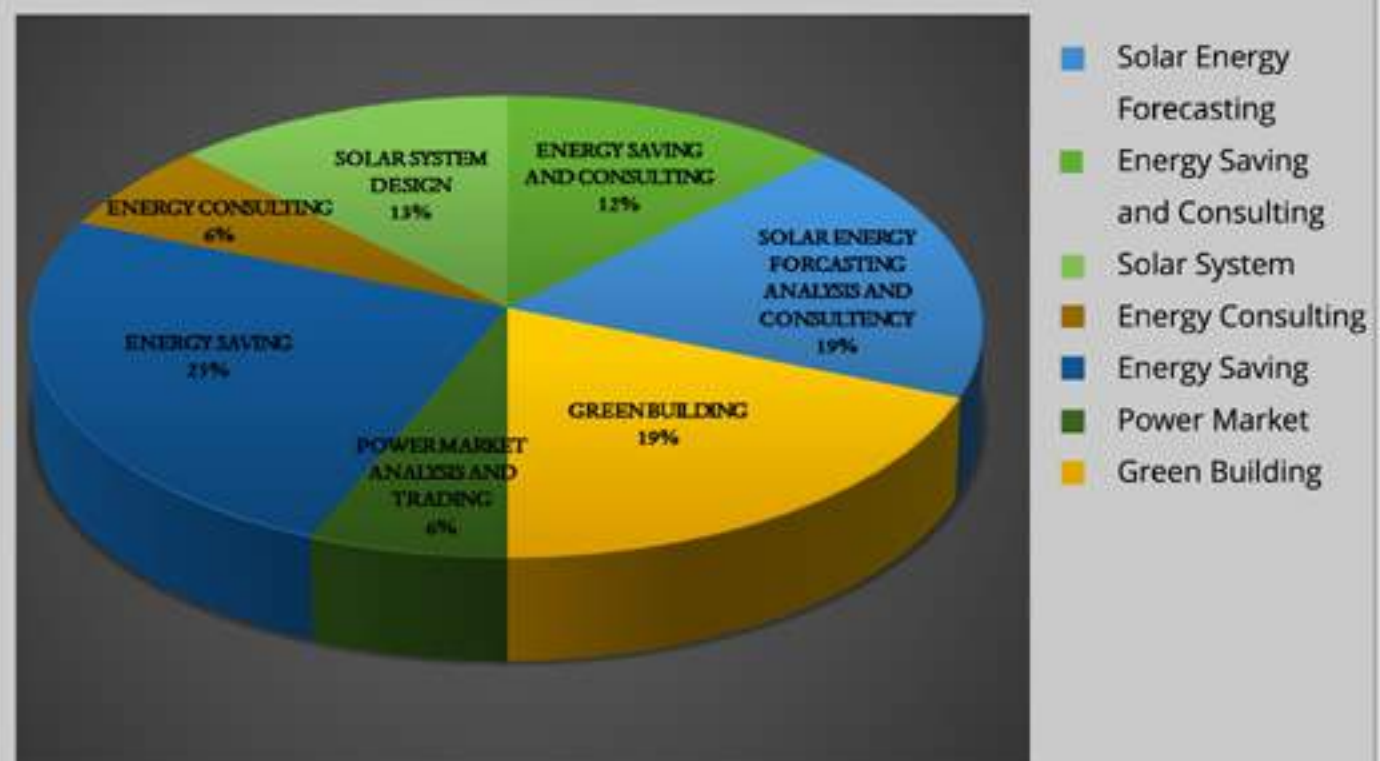
# BATCH DIVERSITY

## Energy Management

*Work Experience of Energy Management (2019-2021)*



*Internship Sector Classification of Energy Management (2019-2021)*



# STUDENTS PROFILE

## Energy Management



**SAMBIT GHATAK**

24-08-1997

**Graduation:** B. Tech (Electrical) from Haldia Institute of Technology

**University:** Maulana Abul Kalam Azad University of Technology

**Internship organization:** (EESL) Energy Efficiency Services Limited

**Title:** Unnat Jyoti Affordable LEDs for all(UJALA) scheme by EESL.

**Work experience:** Fresher



**JOYDEEP DATTA**

26-06-1996

**Graduation:** B.Tech(Applied Electronics and Instrumentation) from Rcc Institute of Information Technology

**University:** Maulana Abul Kalam Azad University of Technology

**Internship organization:** (EESL) Energy Efficiency Services Limited

**Title:** EV Based Transportation and Other Transportation, Electricity Act and Tariff

**Work experience:** Fresher



**ARIJIT DAS**

Age: 08-06-1992

**Graduation:** B.TECH (Electrical Engineering ) from Adamas Institute of Technology

**University:** Maulana Abul Kalam Azad University of Technology

**Internship organization:** (EESL) Energy Efficiency Services Limited

**Title:** Cloud based monitoring of Pump using IoT

**Work experience:** 12 months



**SASWATA DIRGHANGI**

30-07-1996

**Graduation:** B.Tech (Electronics Communication and Telecommunication) from Rcc Institute of Information Technology

**University:** Maulana Abul Kalam Azad University of Technology

**Internship organization:** Earthworx

**Title:** Full System design of 100 kW Grid-Connected Solar Photovoltaic (SPV) Power Plant.

**Work experience:** Fresher

# STUDENTS PROFILE

## Energy Management



### SAYANTAN GANGULY

06-04-1995

**Graduation:** B.E (Electrical And Electronics Engineering) from Acharya Institute of Technology, Bangalore

**University:** Visvesvaraya Technological University (VTU)

**Internship organization:** Verde Consulting Pvt. Ltd.

**Title:** Desk Research on CDP Supply Chain , Water Management and Electrical Safety

**Work experience:** Fresher



### KRISHNA KUMAR KALINDI

15-04-1994

**Graduation:** B.Sc (Chemistry Hon.) from Katras College Katrasgarh

**University:** Vinoba Bhave University

**Internship organization:** Earthworx

**Title:** System Design of 150 kW Solar Power Plant Net Metering

**Work experience:** Fresher



### DEBOJYOTI MALLICK

10-12-1994

**Graduation:** B.Tech (Electronics and Communication Engineering) from Maharaja Institute of Technology Bhubenshwar

**University:** Biju Patnaik University of Technology

**Masters:** M.TECH (Communication System Engineering) from ITER Bhubeneshwar

**University:** Siksha 'O' Anusandhan

**Internship organization:** Geogrid Innovations & Consulting LLP

**Title:** Working on Satellite images for cloud estimation, segmentation techniques, motion estimations used in solar forecasting

**Work experience:** Fresher



### ARIJIT CHATTOPADHYAY

20-12-1996

**Graduation:** B.Tech (Electrical) from Hooghly Engineering and Technology College

**University:** Maulana Abul Kalam Azad University of Technology

**Internship organization:** En-Simulated Solutions LLP

**Title:** Building Energy Simulation on eQUEST Software

**Work experience:** Fresher

# STUDENTS PROFILE

## Energy Management



### PUSPAK GHOSH

27-09-1996

**Graduation:** B.Tech (Mechanical) from Techno India, Salt Lake

**University:** Maulana Abul Kalam Azad University of Technology

**Internship organization:** Geogrid Innovations & Consulting LLP

**Title:** Solar Panel Design for MWp Power Plant and Energy Forecasting Modelling

**Work experience:** 12 months



### RITWIK JHA

02-10-1996

**Graduation:** B.Sc(Biotechnology) from Rcc SVIMS

**University:** Maulana Abul Kalam Azad University of Technology

**Internship organization:** En-Simulated Solutions LLP

**Title:** A Project on Eco-Niwas Samhita & IGBC Green Homes

**Work experience:** Fresher



### KINKINI CHAKRABORTY

23-07-1994

**Graduation:** B.Tech (Electrical) from Techno India, Salt Lake

**University:** Maulana Abul Kalam Azad University of Technology

**Internship organization:** (EESL) Energy Efficiency Services Limited

**Title:** EVM (Electric Vehicle Model) Transportation and other Transportation, Electricity Act and Tariff

**Work experience:** Fresher



### ARPITA DEY

10-12-1992

**Graduation:** B.Sc (Physics) from SSLNT Mahila Mahavidyalaya Dhanbad

**University:** Vinobha Bhave University Hazaribagh

**Internship organization:** (EESL) Energy Efficiency Services Limited

**Title:** A business idea on smart farming implementation by cloud monitoring using IoT and solar energy in the state of West Bengal.

**Work experience:** 36 months

# STUDENTS PROFILE

## Energy Management



### TANUSHREE HANSDA

30-07-1993

**Graduation:** B.E. (Construction) from Jadavpur University

**University:** Jadavpur University

**Internship organization:** Manikaran Power Limited

**Title:** Analysis of State-wise Open Access Implementation in India

**Work experience:** 46 Months



### KUNTALA MITRA

01-09-1995

**Graduation:** BBA (Honours, Finance) from Scottish Church College

**University:** University of Calcutta

**Internship organization:** En-Simulated Solutions LLP

**Title:** Framework Development of the website and assessment of the policies of a consulting company providing services related to Energy Efficiency, especially in Building Sector

**Work experience:** Fresher



### TANUSHREE MUKHERJEE

28-10-1993

**Graduation:** B.Tech (Biotechnology) from BCET Durgapur

**University:** Maulana Abul Kalam Azad University of Technology

**Internship organization:** Geogrid Innovations & Consulting LLP

**Title:** Creation of live dashboards for energy forecast and analysis

**Work experience:** 30 months



### SAYANTI MITRA

07-02-1983

**Graduation:** B.Tech (Electronics and Communication) from St. Thomas College of Engineering and Technology

**University:** Maulana Abul Kalam Azad University of Technology

**Internship organization:** (EESL) Energy Efficiency Services Limited

**Title:** Building Management Systems

**Work experience:** 6 Months

# PARTIAL LIST OF ILLUSTRIOUS ALUMNI

## Energy Management

### DR. INDRADIP MITRA

Energy Management Batch  
1995-98, Senior Technical Advisor,  
GiZ GMBH

### DEBAPRATIM BHADRA

Energy Management Batch  
2001-2003 (Day)  
Centre of Excellence, ACC Cement,  
Odisha  
INDUSTRY, HEAD ENERGY AND  
ENVIRONMENT

### AVINASH KUMAR

Energy Management Batch  
1998-2001 (Evening)  
Johnson & Johnson  
REGIONAL BUSINESS MANAGER

### DEBDUT SARKAR

Energy Management Batch  
2008-2010 (Day)  
E-cube Energy Trading Pvt. Ltd.  
VICE PRESIDENT (ADVISORY  
SERVICE)

### ARPAN DAS

Energy Management Batch  
2010-2012 (Day)  
Tata Consultancy Services  
SYSTEM ANALYST

### ARINDAM SAHA

Energy Management Batch 2001-04,  
Jt. CEO. TickerPlant Ltd.

### DEEPAK HANSDA

Energy Management Batch  
2009-2011 (Day)  
Energy Efficiency Services Limited  
DEPUTY MANAGER

### SHIVRAM MUKHERJEE

Energy Management Batch  
2009-2011 (Day)  
Fujisoft Vara Private Limited  
MANAGER (CONSULTING)

### SAMRAT GHOSH

Energy Management Batch  
1994-1996 (Day)  
West Bengal Electronics Industry  
Development Corporation  
MANAGER IP

### MAMTA SWARNAKAR

Consultant, Grant Thornton

# PARTIAL LIST OF INTERNSHIP ORGANISATIONS

## Energy Management



# PARTIAL LIST OF PLACEMENTS RECRUITERS

## Energy Management



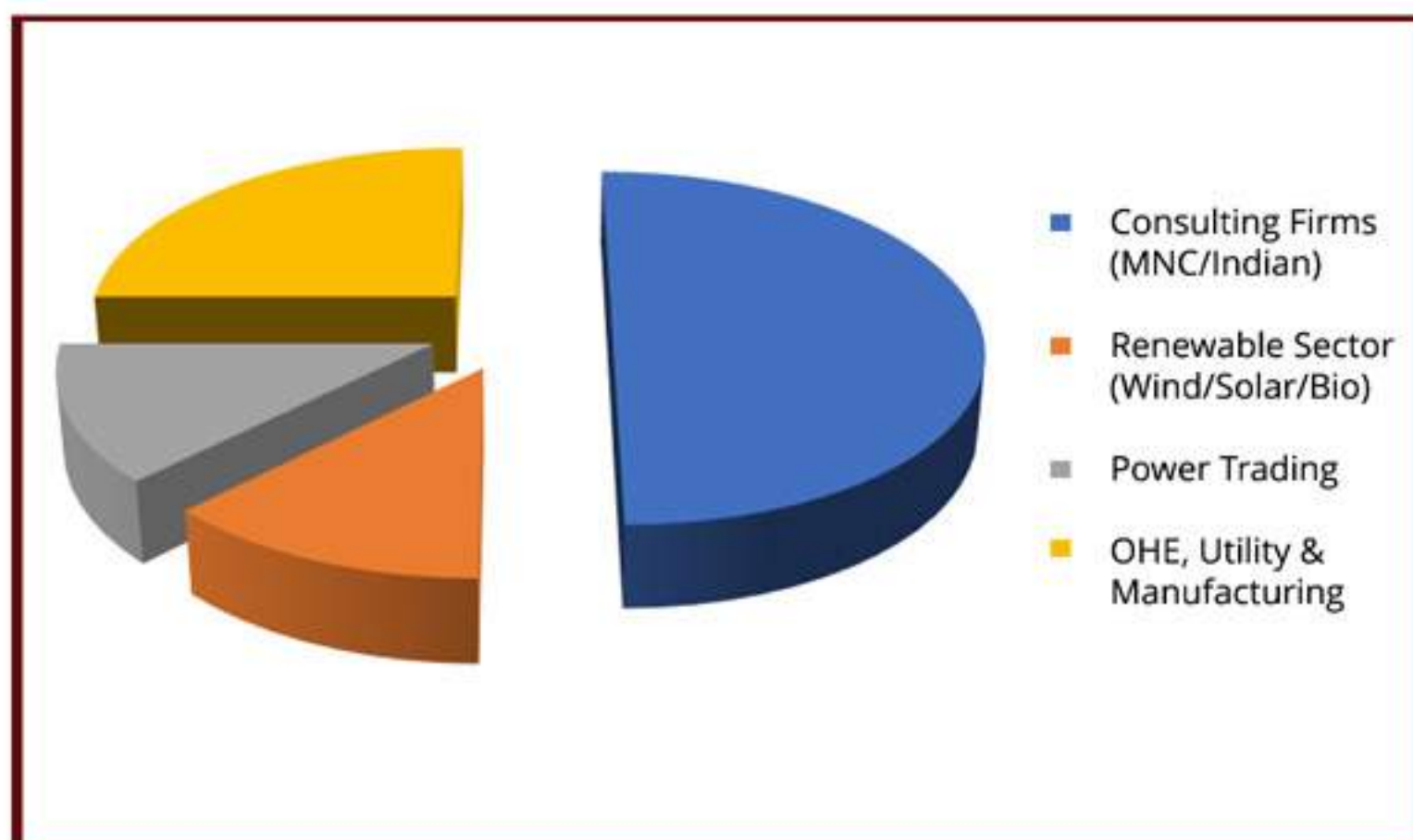
# PLACEMENT SNAPSHOT

## Energy Management

MBA – PUBLIC SYSTEMS (ENERGY MANAGEMENT) 2018-20:

Academic Year	2018-2020
Percentage of students placed	90%
Highest CTC	7.50 LPA
Average CTC	4.00 LPA
First time recruiters	60%
Summer Internship	100%

\*\* Prominent Recruiters – Grant Thornton, Lafarge Holcim (ACC-Ambuja) – Geocycle, EKI Energy/Enking Intl., Manikaran Power Trading, etc.



# COURSE OVERVIEW

## Environment Management

In the recent past, the corporate world has experienced a many-fold increase in the need to meet environmental standards in trade and business practices. This warrants business houses to take more responsibility for environmental degradation.

Accordingly, the beginning of 21st century experienced the first changing business environment in our country as well as the gradual changes in customer's expectations which have made it necessary to take a proactive approach to deal with the problems relating to environmental pollution control, sustainable development and management.

Globally the major concern in environment management is determining the ways in which industrial action can be made compatible with nature. When we say that business should contribute to the good of society, it implies that business has an obligation to both the stakeholders and also to the environment.

However, it is a fact that environmental regulations alone cannot solve the environmental problems. Implementation of regulations always remains an issue. Gradually awareness about environmental issues is increasing amongst policy makers and public in general. Therefore, environmental management is not only a compliance issue, but also a strategic business practice globally. For example, green awareness and eco-friendly productions etc. have become buzzwords that indicate increasing industrial awareness on environmental issues. The focus of our environment management program is on how to incorporate environmental issues into business practices, so that the entire business process is focused towards environmental concerns.

As environmental considerations are likely to be a source of profound changes in the business practices, the curriculum of our MBA-PS (Environment Management) course has been designed in a manner to train budding environment managers for tackling environment issues in sustainable and cost-effective manner.

This program covers Land Resource Management, Management of Ecology, Forest and Wildlife, Air Pollution Monitoring and Control, Water Pollution – Monitoring and Control, Management of Socio-Economic Environment, Environmental Economics, Solid and Hazardous Waste Management, Environmental Impact Assessment, Risk Analysis and Disaster Management, Industrial Safety and Occupational Health, Remote Sensing and GIS, Environmental Legislation and Trade and Environment.

# COURSE CURRICULUM

## Environment Management

Semester I	
Paper Code	Paper Name
101	Management Principles and Practice
102	Managerial Statistics
103	Organizational Behavior
104	Management Information System
105	Business and Government
106	Managerial Economics
107	Management Science
108	Management Skills and Ethos

Semester II	
Paper Code	Paper Name
201	Marketing Management
202	Research Methodology
203	Human Resource Management
204	Management Accounting and Finance
205	Natural Resource Management
206	Water Resource Management
207	Management of Ecology, Forest and Wildlife
208	Management of Socio-Economic Environment

Semester III	
Paper Code	Paper Name
301	Air Pollution – Monitoring & Control
302	Water Pollution – Monitoring & Control
303	Management of Soil, Noise & Odour Pollution
304	Solid & Hazardous Waste Management
305	Environmental Impact Assessment
306	Risk Analysis & Disaster Management
307	Industrial Safety & Occupational Health
308	Environmental Economics

Semester IV	
Paper Code	Paper Name
401	Remote Sensing & GIS
402	Environmental Legislation
403	Environmental Management Systems
404	Climate Change and Trade & Environment
405	Project work/Internship in the Area of Specialization
406	Dissertation Paper in the Area of Specialization
407	Viva Voce (Theory paper/Dissertation) on Subject of Specialization

# VISITS & SEMINARS

## Environment Management

### SEMINARS:

- Online Session on Entrepreneurship, Professionalism & Ethics by Mr. Rajnish Sinha-Director, Ambirisk in September 2020
- Online Session on ISO Certifications by Mr. Dev Deepta Nandy in September 2020
- Online session on Sustainability and Bio Medical Waste Management by Dr. Susanta Podder, GM Sustainability and Environment at Aditya Birla Group in September 2020.
- Online session on Carbon Markets and Career growth in this industry by Mr. Abhishek Shrivastava, Senior Manager HR and Mr. Pawan Kumar Kundi, Senior Manager Business Development in October 2020.
- 'Water Laws and Ownership Issues' held at National Ground Water Training and Research Institute, Raipur. Central Ground Water Board, Ministry of Water Resources, River Development and Ganga Rejuvenation
- Participated in workshop on 'Solid Waste, C&D Waste, E-Waste & Hazardous Waste Rules 2016 & SBM' organized by Department of Mechanical Engineering, Jadavpur University, Kolkata
- Attended a seminar on "Water, Sanitation and Hygiene for All Sustainability Issues under Rural Indian Conditions" in IEST, Shibpur in 2018
- Kolkata Clean Air in associated with Earth Day Network and Switch On 2018
- Celebrating Earth Day 2019 in IISWBM Premises

### INDUSTRY VISITS:

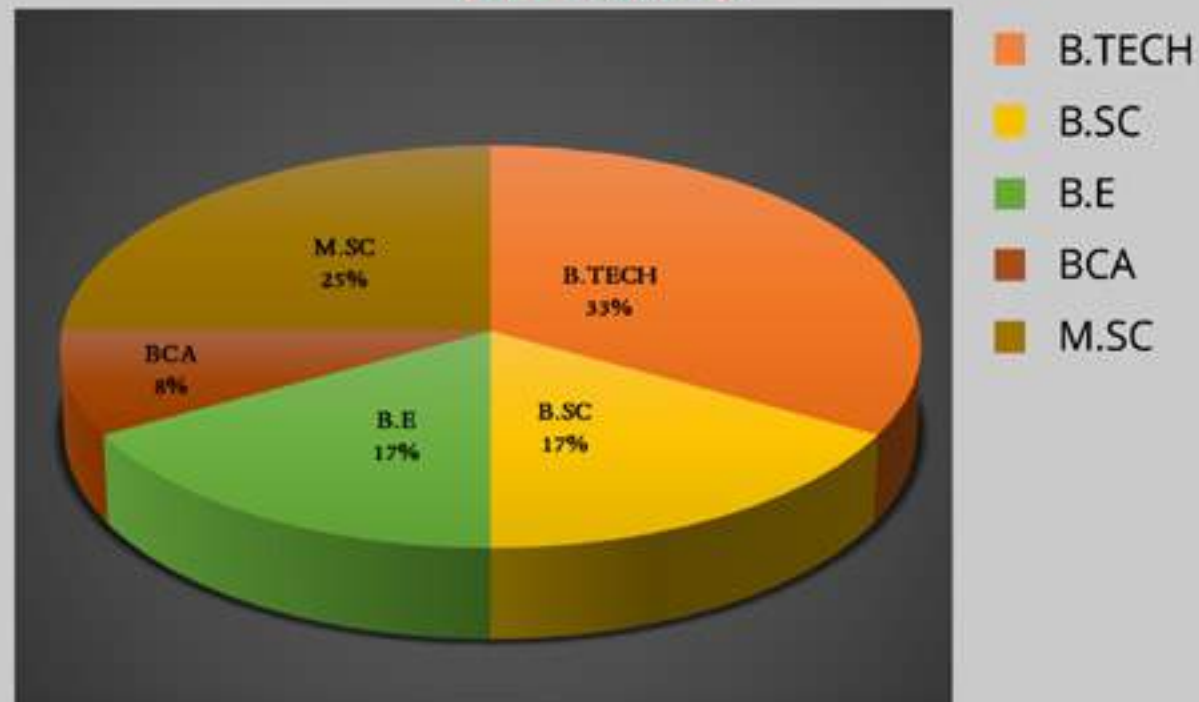
- Field visit to Kidderpore Ship Yard
- Field visit to Kottadih Open cast mines



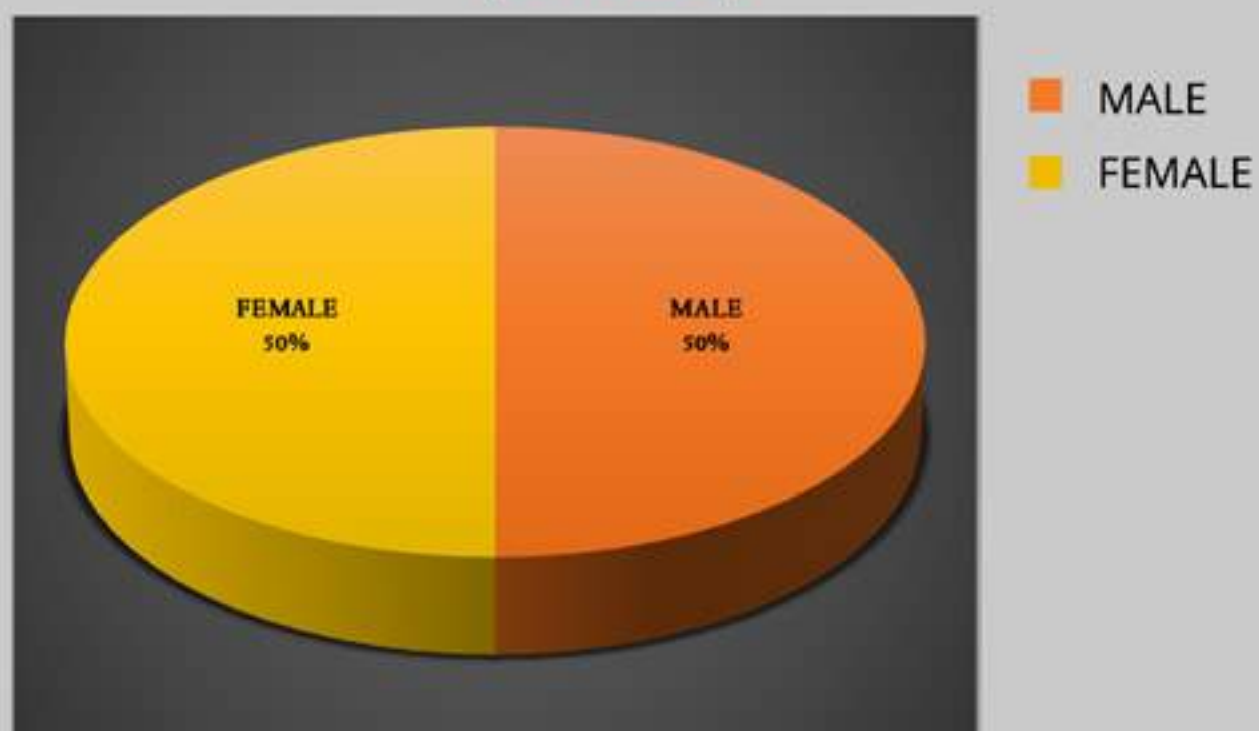
# BATCH DIVERSITY

## Environment Management

***Batch Diversity of Environment Management  
(2019-2021)***



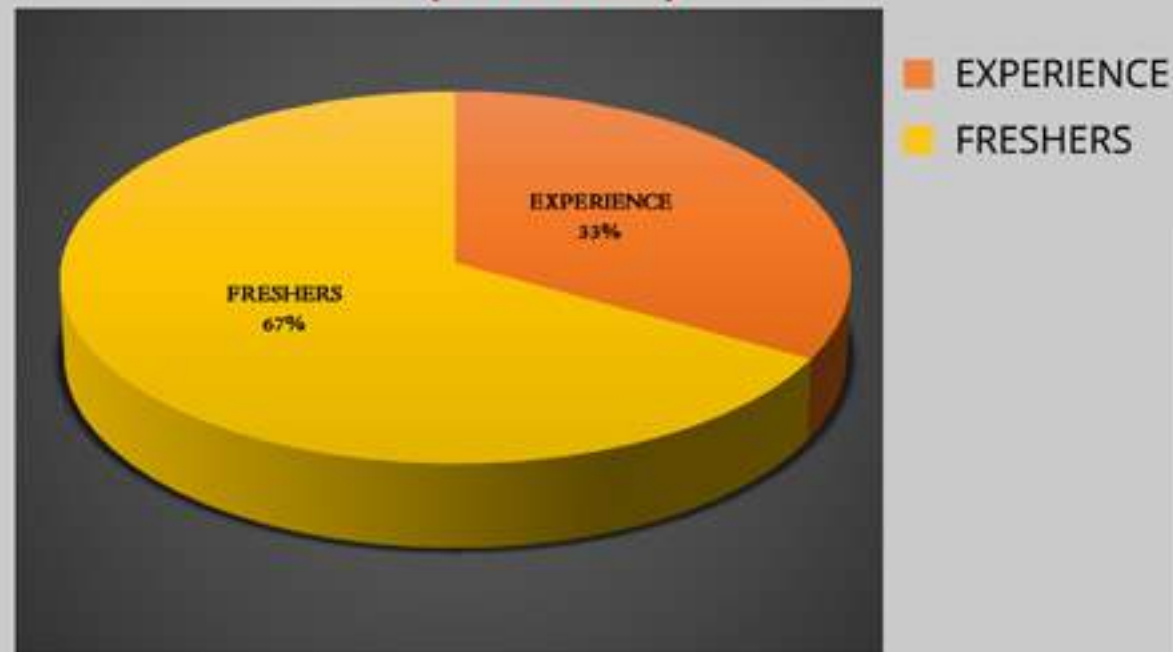
***Gender Diversity of Environment Management  
(2019-2021)***



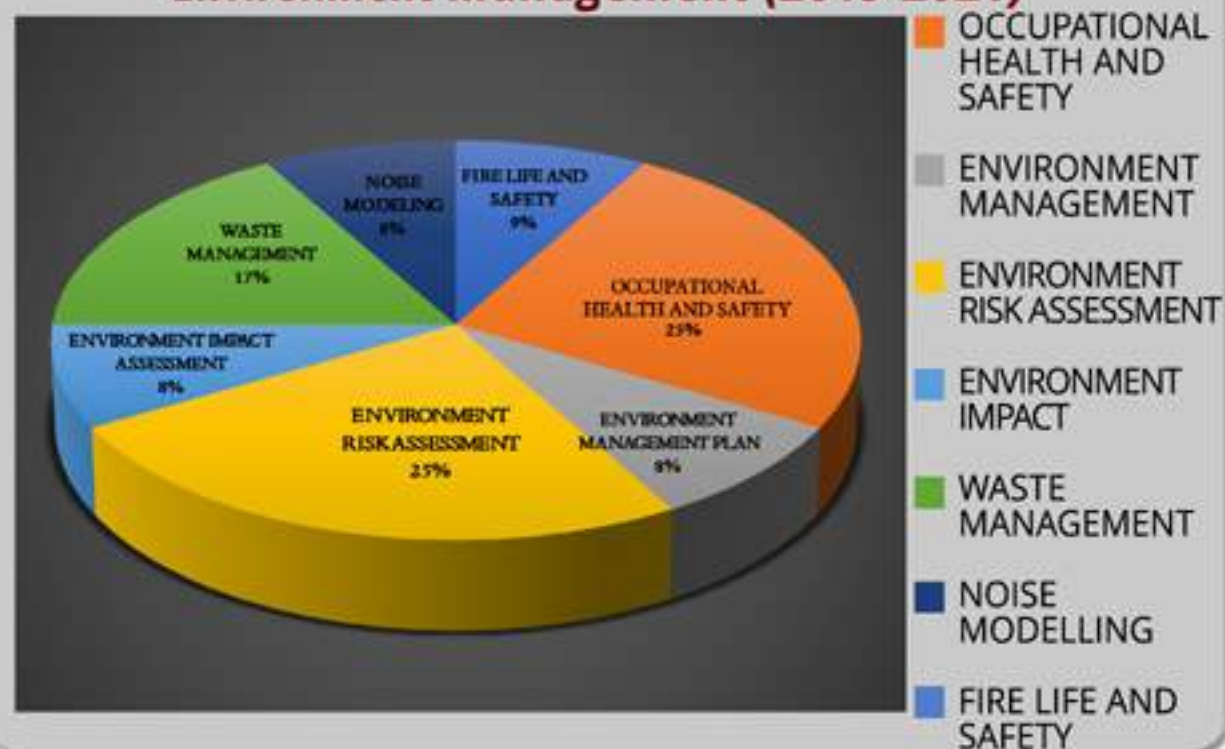
# BATCH DIVERSITY

## Environment Management

**Work Experience of Environment Management  
(2019-2021)**



**Internship Classification of  
Environment Management (2019-2021)**



# STUDENTS PROFILE

## Environment Management



### PRATYAY GANGULY

23-03-1998

**Graduation:** B.TECH (mechanical) from Uttarakhand University

**University:** Uttarakhand University

**Internship organization:** AmbiRisk Research and Management Consultancy India Pvt. Ltd.

**Title:** Fire life safety and emergency preparedness and response plan for schools

**Work experience:** Fresher



### SOUMYADEEP DAS

18-09-1993

**Graduation:** B.Sc from Vivekananda College

**University:** University of Calcutta

**Internship organization:** AmbiRisk Research and Management Consultancy India Pvt. Ltd.

**Title:** Occupational Health and Safety Management systems ISO 45001-2018 Standard, Manual of ABC Company Ltd.

**Work experience:** 30 Months



### ARUSHARKO SENGUPTA

23-10-1994

**Graduation:** B.Sc Zoology (H) from Asutosh College

**University:** University of Calcutta

**Internship organization:** AmbiRisk Research and Management Consultancy India Pvt. Ltd.

**Title:** Environment Management Plan For the Manufacturing and Repairing of Vehicle Radiators

**Work experience:** Fresher



### PRITWISH MUKHERJEE

Age: 25-12-1992

**Graduation:** B.E from VTU Bangalore

**University:** Visvesvaraya Technological University

**Internship organization:** AmbiRisk Research and Management Consultancy India Pvt. Ltd.

**Title:** Environmental Risk Assessment Report of Fan Manufacturing unit

**Work experience:** Fresher

# STUDENTS PROFILE

## Environment Management



### ROHIT BISWAS

**14-11-1994**

**Graduation:** B.TECH (mechanical) from Neotia Institute of Technology Management and Science

**University:** Maulana Abul Kalam Azad University of Technology

**Internship organization:** AmbiRisk Research and Management Consultancy India Pvt. Ltd.

**Title:** Environmental Risk Assessment Report Of Automobile Service Centre

**Work experience:** 5 months



### CHIRAG AGARWAL

**17-11-1990**

**Graduation:** B.E (CHEMICAL) from BMS College of Engineering

**University:** Visvesvaraya Technological University

**Internship organization:** AmbiRisk Research and Management Consultancy India Pvt. Ltd.

**Title:** Occupational Health and Safety Management systems ISO 45001-2018 Standard , Manual of ABC Company Ltd.

**Work experience:** 59 Months



### SWEKSHA SHARMA

**24-08-1997**

**Graduation:** BCA from Gaya College

**University:** Magadh University

**Internship organization:** AmbiRisk Research and Management Consultancy India Pvt. Ltd.

**Title:** Environmental Risk Assessment report of perfume Manufacturing and Packaging Company

**Work experience:** Fresher



### ANKITA PAUL

**Age:** 12-07-1995

**Graduation:** B.TECH from Narula Institute Of Technology

**University:** Maulana Abul Kalam Azad University of Technology

**Internship organization:** AmbiRisk Research and Management Consultancy India Pvt. Ltd.

**Title:** Occupational Health and Safety Management System -ISO 45001-2018 Standard, Manual of CSM Technology

**Work experience:** 12 Months

# STUDENTS PROFILE

## Environment Management


**SAYANI CHAKRABORTY**

09-03-1994

**Graduation:** B.Sc Geography (H) from Women's College Calcutta (Bagbazar)

**University:** University of Calcutta

**Internship organization:** Earth Work

**Title:** Strategies on how to develop circular economy with respect to hazardous waste management in Kolkata

**Work experience:** Fresher


**MEGHA GUPTA**

10-03-1994

**Graduation:** B.Sc (H) Environmental Sc. from Asutosh College

**University:** University of Calcutta

**Internship organization:** Bongs Prayukti International Pvt. Ltd.

**Title:** Characterization of Baseline Environment for Road Projects in India Constraints and opportunities.

**Work experience:** 30 Fresher


**AHELI TALUKDAR**

07-11-1997

**Graduation:** B.Sc Botany (H) from Surendra Nath College

**University:** University of Calcutta

**Internship organization:** Earth Work

**Title:** Strategies on how to build circular economy with respect to municipal solid waste management in Saltlake, Bidhannagar Area, Kolkata.

**Work experience:** Fresher


**TULIKA BARMAN**

Age: 17-02-1996

**Graduation:** B.Tech (CIVIL) from Techno India College of Technology

**University:** Maulana Abul Kalam Azad University of Technology

**Internship organization:** Bongs Prayukti International Pvt. Ltd.

**Title:** Comparative Analysis of Various Noise Modeling Software and Offline Tools for Assessment of Impact in Highway Projects.

**Work experience:** Fresher

# PARTIAL LIST OF ILLUSTRIOUS ALUMNI

## Environment Management

- **Mr. Bratin Roy**, Vice President, Head of Industry Service, TÜV SÜD South Asia; South - East Asia, Middle East; and Africa.
- **Dr. Anamitra Anurag Danda** – Founder – Elephant in the room-sustainability by design.
- **Ms. Haimanti Poddar**, Senior Regional Adviser-Climate Change and Energy at British Deputy High Commission.
- **Mr. Rajib Kumar Debnath** - Independent Consultant , Ex Director at EY, Executive Director at Grant Thornton, Director - Environment & Sustainability Services at Deloitte
- **Mr. Mainak Hazra**, Head of Environment, India – Arcadis
- **Mr. Debanjan Bandyopadhyay**, Partner at ERM
- **Ms. Monali Keya Hazra** - Programme Management Specialist - Clean Energy and Climate Change, USAID India
- **Mr. Pratim Brahmachari**, EHS Manager India, Flipkart
- **Rajnish Sinha** - Director, Ambirisk India
- **Krishnendu Datta** - DGM Operations, (Medicare Environmental Management Pvt. Ltd.) Ramky
- **Chandan Roy** - Program Manager, EY
- **Sohini Ghosh Dastidar** - Program Manager EHS, Amazon
- **Indranil Mitra** - EHS Manager, Jones Lang La Salle
- **Swarnabha Bandyopadhyay** – Director , Prayukti International

# PARTIAL LIST OF RECRUITERS

## Environment Management



# PLACEMENT SNAPSHOT

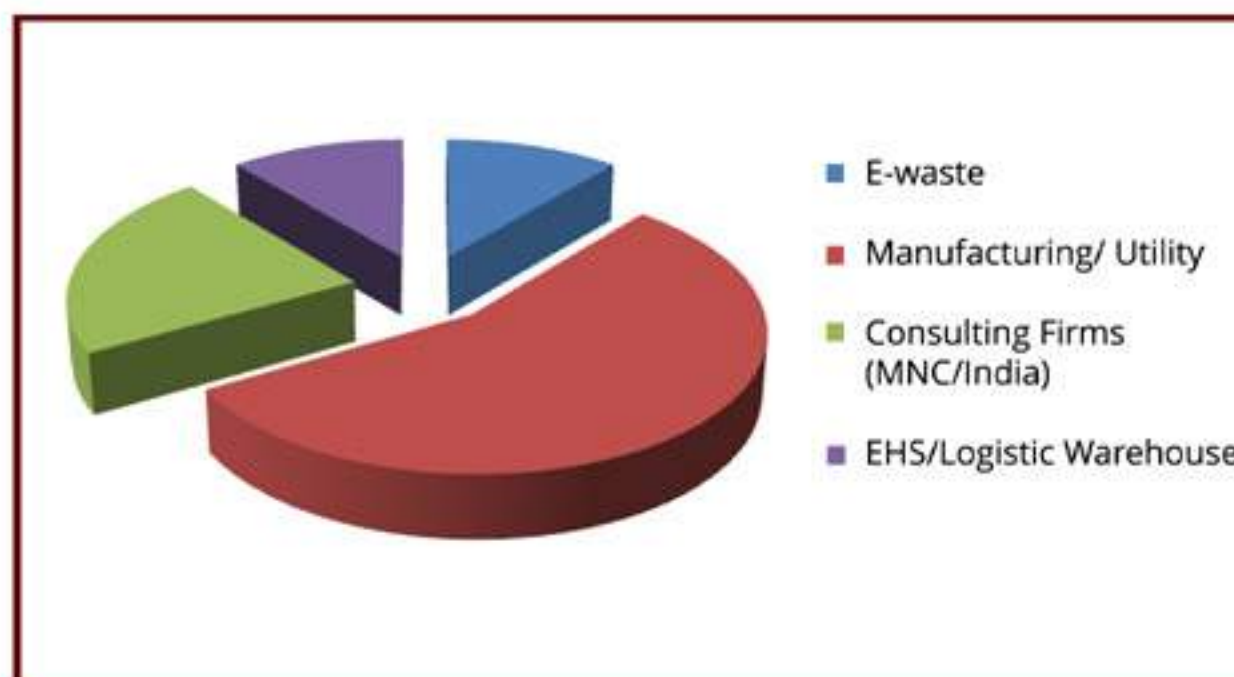
## Environment Management

### MBA – PUBLIC SYSTEMS (ENVIRONMENT MANAGEMENT) 2018-20:

Academic Year	2018-2020
Percentage of students placed	90%
Highest CTC	7.50 LPA
Average CTC	3.40 LPA
First time recruiters	69%
Summer Internship	100%

\*\* Prominent Recruiters – Amazon, Flipkart, Lafarge Holcim (ACC-Ambuja) – Geocycle, EKI Energy / Enking Intl., Rashmi Metaliks, Prism Johnson, Hulladek, etc.

### MBA PUBLIC SYSTEMS (ENVIRONMENT MANAGEMENT) 2018-20



# CORPORATE RELATIONS CELL

## **PRITAM KAR**

### **Placement Officer**

Email: pritam@iiswbm.edu;

iiswbm.mbaps.campusplacement@gmail.com

Handheld: +91 9871175189

Board Line No. : - 033 2241 3079 (Direct), 033 2241 3756 (Ext: 406)

## **VISHAL FRANCIS GAITANO**

### **Senior Manager Placements**

Email: vishalfrancis@iiswbm.edu

Handheld : +91 9748600403

## **ARINDAM MUKHERJEE**

### **Placement Officer**

Email: arindammukherjee@iiswbm.edu

Handheld : +91 9432538974



### **STUDENT PLACEMENT COORDINATORS ENERGY MANAGEMENT**

◀ **Puspak Ghosh**  
8335852864

**Tanushree Hansda** ▶  
8293975359

Email: iiswbm.mbaps.campusplacement@gmail.com



### **STUDENT PLACEMENT COORDINATORS ENVIRONMENT MANAGEMENT**

◀ **Arusharko Sengupta**  
9748759569

**Ankita Paul** ▶  
8617767265

Email: iiswbm.mbaps.campusplacement@gmail.com



## Special mention to Arijit Das of Brochure Committee for his sincere efforts.



Since 1953

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