



# **MBA-PUBLIC SYSTEMS, BATCH 2018-20**

(2 YEARS FULL TIME, UNIVERSITY OF CALCUTTA)

**ENERGY MANAGEMENT ■ ENVIRONMENT MANAGEMENT**

**PLACEMENT  
BROCHURE  
2019 - 2020**



# **IISWBM**

"Our graduates nurture and build companies"



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**IISWBM**

Indian Institute of Social Welfare and Business Management





## From the Director's Desk

*D*ear potential recruiters,

As you are aware, IISWBM was constituted on 25th April 1953 under the joint initiative taken of the University of Calcutta, the Government of West Bengal, the Government of India and the captains of Industry as the first B-School in India. In a rare gesture to an academic institute, the Government of India released a Commemorative Postage Stamp on IISWBM, on 25th April 2004 in New Delhi. With a glorious past and a bright future, the IISWBM continuously strives to achieve excellence in all its endeavours. The Institute boasts of state of the art infrastructure, strong faculty based successful alumni, excellence hostels, and rich library and placement records. The Master of Business Administration (MBA) in Public Systems Management, controlled and regulated through University of Calcutta, is one of the most sought after programme of the Institute. The Department of Public Systems Management seeks to provide the best possible opportunities to its students and its disseminates all the pertinent knowledge, skills, attitude and values required to produce a successful manager of public system in the field of Environment, Energy, Transport and Logistics and Healthcare.

The IISWBM regularly upgrades its syllabi to keep pace with the changing need of the corporate world and global business scenario. The current batch of MBA Public System Management (PSM) students have gone through rigorous academic training, leadership ventures and internship with leading firms. They are now well prepared and fully equipped to serve corporate bodies, industrial houses, utility providers and R&D establishment and contribute to the growth of the institutions they are taken in.

As the head of the institution, I invite you to interact with my students, evaluate their potential and provide them with the opportunity to work in your organization. I am sure they will prove to be an asset to your firm and finally to the country. I thank you for your sustained support in the making of productive citizens of the country. I am sure the unique bondage the IISWBM holds with you, will grow stronger and deeper with each passing year.

***Prof (Dr) Rajagopal Dhar Chakrabarti***  
***Director***



## From the Desk of HOD, MBA-Public Systems



It is indeed a great pleasure to introduce the students of MBA in Public Systems Management course, who are into specializing in the areas of Energy Management, Environment Management, Healthcare & Hospital Management and Transportation & Logistics Management.

Students from various disciplines, who have joined the MBA in Public Systems Management course in 2018 have already shown their academic skills. During their two years stay, they are encouraged to expand their knowledge-base, interact with industries and also participate in extracurricular activities. Such activities have led the students towards an all inclusive and sustainable growth. They now form a strong resource base for the corporate sector, consulting firms and NGOs and other areas that they may choose to work for.

I am sure that they are ready to embark upon a management career and I wish them well.

**DR. JHUMOOR BISWAS**  
**Head – Department of MBA-Public Systems Management**



# About IISWBM



India's first B-School, Indian Institute of Social Welfare and Business Management (IISWBM), is a name that weighs abundant in legacy.

From the choicest alumni bandwagon to the grandeur of the building stature at the educational hub of Kolkata, the Institute is stately in ways more than one and was constituted on 25th April 1953 by a resolution passed by the Senate of the University of Calcutta. This was the culmination of the joint initiative taken by the University of Calcutta, Government of West Bengal, Government of India and the captains of the industry in India to set up for the first time a management education institute in India, a concept alien to many in the educational fraternity at that time.

The Institute has successfully crossed its Diamond Jubilee Year, signifying over 60 years of an eventful journey in management education in India. IISWBM was thus established by Dr. B.C. Roy, the then Chief Minister of West Bengal as its Founder- President and Prof. D.K. Sanyal as the Founder Director.

Government of India, Department of Posts in recognition of 50 years of glorious existence of the first B-school in the country released a Commemorative Postage Stamp on IISWBM, on 25th April 2004 in New Delhi.

The Institute stands firm on its three pillars:

- 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 awards 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.



# Infrastructure

## Classroom

The spacious air-conditioned classrooms are well equipped with Smart boards, LCD multimedia projector etc. and properly maintained to cater to the academic requirements of the students. The seminar rooms possess all the necessary amenities so that ideas can be exchanged between the students and faculty and even members from other institutes or corporate houses.

## Central Library

The Central Library was started along with the establishment of the Institute in 1953 in order to cater to the academic and research needs of the faculty, research scholars, students, officers and non-teaching staff. Since then, the Institute Library has gone from strength to strength to live up to the expectations of its users. Central Library has open-access facility for the members. It provides lending, reprographic and bibliographic and other services to the students, faculty and other scholars.



The books in the Library are arranged according to the DDC numbers mainly on specialized subjects on Management, Social Welfare, Industrial safety, Transport, Environment, Energy, Health Services, Economics, Mercantile and Labour Law, Bio-Informatics, Sports and Intellectual property etc. The Library subscribes a good number of foreign as well as Indian periodicals and journals. The Library also has e-journals and e-books for the benefit of the users. The Central Library has already implemented the bar-code based circulation system. The members can also search the OPAC through our MIS system. The Institute subscribes to the database ProWess and Crisil.



## Computer Centre

The Computer Centre of the institute is housed on the first floor. It has all the state-of-the-art resources in place to facilitate the academic and administrative activities of the institute. Apart from providing high end academic support to the students, it also provides leased line Internet connectivity, through wireless and wired LAN. Students have access to continuous free Wi-Fi facility at the Institute

## Hostel

The Institute provides safe, separate, well-furnished and comfortable hostel facility to both boys and girls outstation students, subject to availability of seats. Girls Hostel with a capacity of 42 seats and Boys Hostel with 19 seats are situated adjoining to the institute campus. In addition institute may arrange for interested students in obtaining paying guest (P.G.) accommodation.





### Language Laboratory

The Institute has a Web Assisted Language Laboratory to support students in the language learning process. Innovative interactive tools such as digital multimedia control, wireless headsets and microphones are provided not only to enhance language teaching but also to enable instructors accomplish continuous assessment and grading of students' performance.

The facilities in the Language Laboratory allow students to listen to model pronunciation and diction, practice by repeating and record the same, which allows students to compare with the model and conduct self-assessment

### Canteen/Gymnasium

The Institute has a canteen facility offering a variety of healthy cuisine at reasonable and affordable rates. It is essentially a student's zone with free Wi-Fi facility.

The Institute also maintains a well-equipped gym with all modern equipments and a trainer to guide and encourage students to work out daily at the Institute

### Auditorium

The auditorium boasts of a well-designed stage and an audiovisual screen. It is the perfect platform for meetings, stage shows and interactive sessions. The screen complements any kind of audio-visual communication with amplifiers, speakers and an installed projector

### Conference Room

The conference rooms have been constructed on the most modern lines with audio-visual aids. The facility of video conferencing makes it even more industry friendly with the scope of uninterrupted. The conference rooms have in-built speakers to make the conversations distinctly audible. The cordless microphones help the speakers to interchange ideas

### Communication and Soft-Skills Training

The Institute encourages its students to undergo training in communication and soft-skills to improve their presentation and articulation skills through its Soft-Skills Development Department as it is felt that it complements technical skills and knowledge







### **DIRECTOR**

Prof. (Dr.) Rajagopal Dhar Chakraborti, *MA, M.Sc, Ph.D*

### **DEAN**

Prof. (Dr.) Soma Roychowdhury, *M.Sc. (stat), Ph.D*

### **HEAD OF DEPARTMENT**

Dr. Jhumoor Biswas, *M.Sc., M.Tech., Ph.D*

### **PROFESSORS**

Dr. B.K. Choudhury, *B.E., Ph.D*

Dr. Chinmoy Jana, *M.Sc., M.Tech., Ph.D. Head – MBA*

Dr. K.M. Agarwal, *Ph.D*

Dr. Sudeepa Banerjee, *MBA, Ph.D., Head – Computer Department*

Dr. Madhumita Mohanty, *M.A., M.Phil, Ph.D (IIT,KGP), Head – MHRM*

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

Dr. Sumati Ray, *M.Sc, MBA, Ph.D*

Dr. S.K Mallick, *B.Com, (Hons), C.A, Ph.D. (NYU) Head – M.Phil. & Ph.D. Programme*

Dr. Tanima Ray, *M.A. (C.U.), RTP (CSSSC), Ph.D (CU), PDGBM (IIM, Calcutta)*

### **ASSOCIATE PROFESSORS**

Dr. Archana Sharma, *MBA, Ph.D*

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

Dr. Dulali Nag, *M.A, Ph.D (US), Head – MSW*

Dr. Gairik Das, *ME, MBA (UK), Ph.D, Head – MRM*

Dr. Jayanti De, *M.A., M.Phil., Ph.D*

Dr. Sarbani Mitra, *B.Ed., PGDEnvM, PGDSA, MBA, Ph.D, Head – Fire Management*

Dr. Madhab Milan Ghosh, *M.com, PhD*



**ASSISTANT PROFESSORS**

- Mr. Ankan Banerjee, *M.A., PGDSM*  
 Dr. Arindam Dutta, *B.E., M.Tech, Ph.D (Engineering)*  
 Mr. Buddhadi Mukherjee, *MPMIR (Psychology, BHU), DSW (Calcutta), CoA (Mind Mapping), (PDC, Singapore)*  
 Ms. Malini Nandi Majumdar, *MBA*  
 Mr. Manjit Sarkar, *MBA (BU), FDP (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. Sohini Banerjee, *LL.B (Hons), LL.M (University of Cambridge, UK)*  
 Ms. Sona Banerjee, *MA (Education), PGD Mass Communication (JU), CELTA/RSA (Cambridge University)*  
 Mr. Subhasis Ray, *M.Sat, M.Tech (Comp. Sc)*  
 Dr. Surajit Chakraborty, *M.Sc (JU), Ph.D. (BESU)*  
 Dr. Soubarna Pal, *M.Sc (Cardiff University, UK), Ph.D (Cardiff University, UK)*

**GUEST FACULTY MEMBERS**

- Mr. Anupam Datta, *Vice President (Technical), CESC Ltd.*  
 Mr. Gautam Ray, *Vice President (HR), CESC Ltd.*  
 Dr. Arunava Majumdar, *Former Prof. & Head, AIHPH & Professor Emeritus, Jadavpur University*  
 Mr. Angshuman Majumder, *Divisional Engineer, WZBRED*  
 Mr. Al Thumana, *Executive Director, Association of Energy Engineers, USA*  
 Mr. Swapan Kumar Dutta, *Senior Member – AEE (USA), Energy Consultant*  
 Mr. Sudeb Bhattacharya, *Emeritus Scientist, Ex Senior Scientist, Saha Institute of Nuclear Physics, Kolkata*  
 Mr. Dave Lahiri, *Viridian Energy & Environment 1CC, USA*  
 Mr. Prasun Kumar Chakraborty, *Ex-Executive Director, WBPDC*  
 Ms. Rumjhum Ray Chaudhuri, *Sociologist and Independent Consultant*  
 Mr. Tanay Kumar Das, *Consultant Asian Development Bank and Former Chief Engineering, PHED, Govt of West Bengal*  
 Mr. Indradip Mitra, *Sr. Technical Adviser, GIZ GmbH ( Weather Forecasting and Climate Change)*



## Visits by Industry Experts

- 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)



## PLACEMENT PROCESS & 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 Institutes Placement Process may kindly note that delay in announcing/confirming the job offers, may result in the selected/shortlisted candidate being placed in another company.
- If an 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.

**Availability of Students for Joining : June' 2020**



# 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

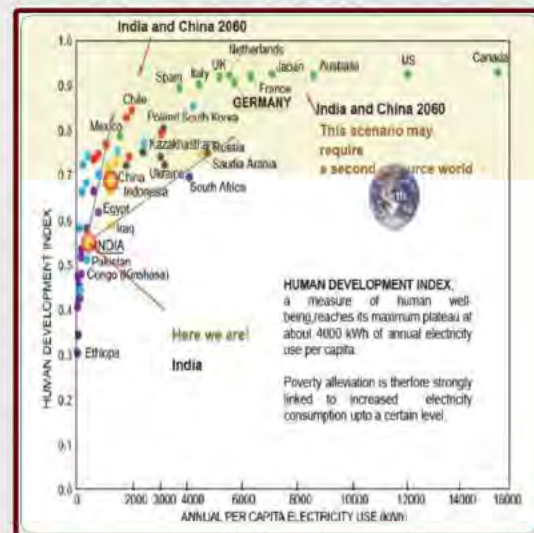
Indian economy is growing fast. Our targeted annual GDP growth rate is 8.5 to 9%, as per the "India Vision 2020" document published by Indian Planning Commission. To sustain this growth, India must add generating capacity at the rate of 10,000 MW per annum or its equivalent i.e., to grow by five times 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)**.





## Energy Management Course Curriculum

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 & 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

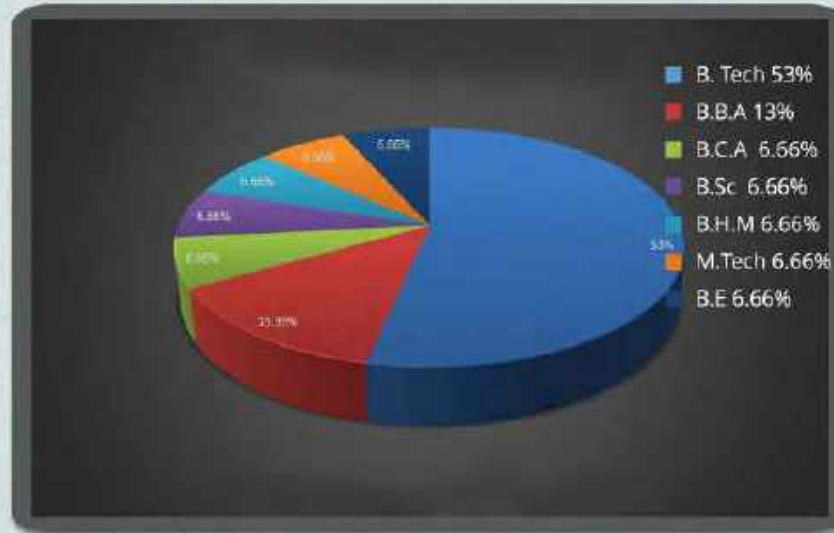
## INDUSTRIAL VISITS:

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





# Batch Diversity

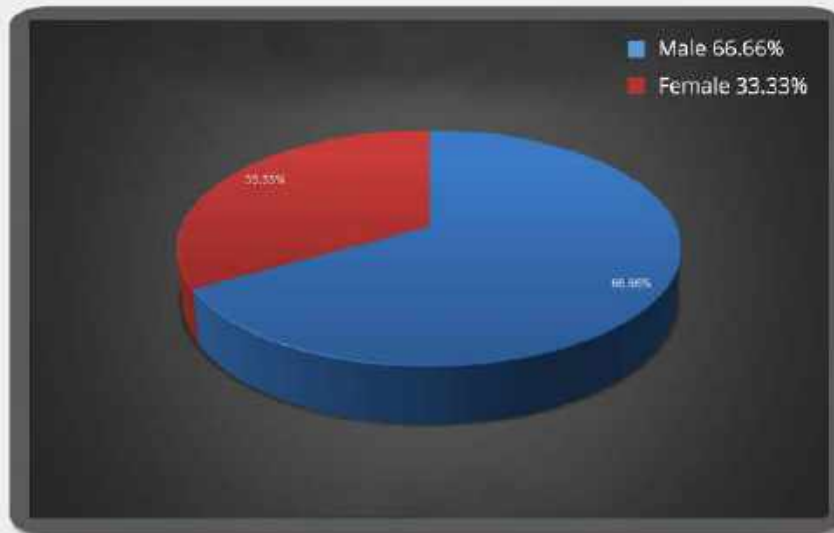


## ENERGY MANAGEMENT 2018-2020

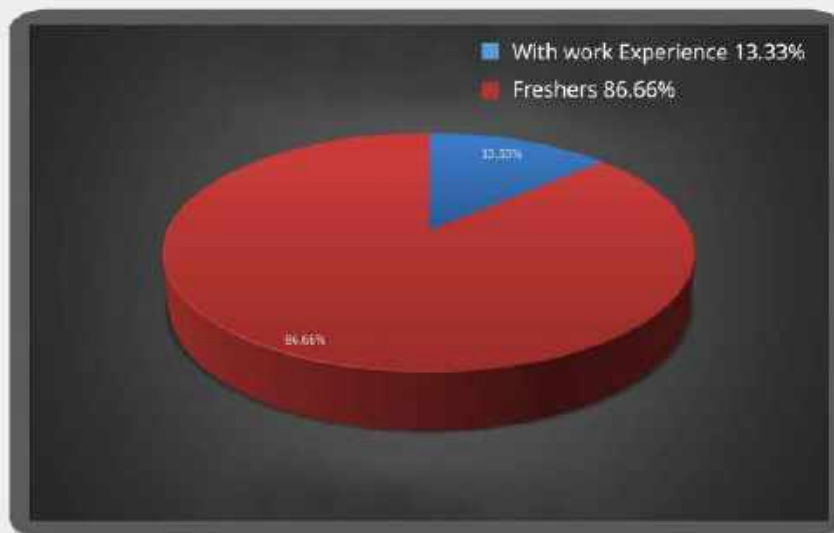




## Gender Diversity 2018 - 20



## Work Experience 2018 - 20





## Students' Profile for Energy Management



### ARGHYA MAJUMDER

**Age:** 25

**Nationality:** Indian

**Graduation:** B.TECH (Mechanical Engineering)

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

**Internship organization:** Grant Thornton LLP

**Title:** Carbon Footprint Assessment

**Work experience:** DEE Power Corporation (Duration: 4 Months)

**Skills:** Advance Excel



### ATAUS SAMAD

**Age:** 27

**Nationality:** Bangladeshi

**Graduation:** BBA (H)

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

**Internship organization:** ProdiPan

**Title:** Child Centred Climate Change Adaptation (CCCCA) Project in Bangladesh

**Work experience:** Fresher

**Skills:** MS Excel , MS PPT



### BIBHUSITA GHOSE

**Age:** 29

**Nationality:** Indian

**Graduation:** B.TECH (Electrical Engineering )

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

**Masters:** M.TECH(Electrical Engineering)

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

**Internship organization:** East Coast Sustainable

**Title:** (Performance Achieve & Trade) PAT Scheme : Implementation , Achievements , Challenges

**Work experience:** Wbsecl, Teekay Environmental Engineering Private Ltd., PGCIL (Duration: 36 Months)

**Skills:** AutoCad





### DEBOSMITA CHAKROBORTY

**Age:** 22

**Nationality:** Indian

**Graduation:** BHM

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

**Internship organization:** EWX in Association with Verdox

**Title:** Water Footprint Standards & Protocols

**Work experience:** Fresher

**Skills:** Bachelor of Music from London School of Music and Knowledge on Basic Excel



### DEEPYAMAN KOLEY

**Age:** 23

**Nationality:** Indian

**Graduation:** B.TECH (Electrical Engineering)

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

**Internship organization:** Energy Efficiency Services Limited

**Title:** Solar Street Light Programme

**Work experience:** Fresher

**Skills:** MS Excel, Matlab, Robotics



### KOEL SARKAR

**Age:** 22

**Nationality:** Indian

**Graduation:** BCA

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

**Internship organization:** BG Associates

**Title:** Effect of Poor Power Factor In An Electrical Network & Various Means for Its Improvement For The Benefit of Utilities As Well As Consumer

**Work experience:** Fresher

**Skills:** PHP ,My SQLi , Python



## Students' Profile for Energy Management



### RATUL CHAKRABARTY

**Age:** 24

**Nationality:** Indian

**Graduation:** B.E (Electrical Engineering)

**University:** Burdwan University

**Internship organization:** PeriUrja Energy

**Title:** Creating Standard Operating Procedures (SOP) Of The Current Processes : Creation & Implementation Of SOP

**Work experience:** Fresher

**Skills:** Diploma in Informaton Technology Application & Certification in Computer Drawing Course



### RUDRA KABI

**Age:** 23

**Nationality:** Indian

**Graduation:** BBA (Sales & Marketing)

**University:** Burdwan University

**Internship organization:** Power Tech Energy Solutions

**Title:** Active Participation In Energy Audit & Involvement In Business Development Activities

**Work experience:** Fresher

**Skills:** OS 7,8,10 , MS Office, Excel, 2007, 2010, 2016, Advance



### SANGEETA ROY

**Age:** 24

**Nationality:** Indian

**Graduation:** B.Tech (Electrical Engineering)

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

**Internship organization:** E-Cube Energy

**Title:** Improvement of Power Quality & Its Benefits in The Industries

**Work experience:** Fresher

**Skills:** Advance Excel , C Language





### SUBHANKAR KUNDU

**Age:** 25

**Nationality:** Indian

**Graduation:** B.Tech (Information Technology)

**University:** Burdwan University

**Internship organization:** West Bengal Electronics Industry Development Corporation Limited (WEBEL)

**Title:** Energy Analytics In Electronic Industry

**Work experience:** Fresher

**Skills:** MS Excel, MySQL, Tableau, Java



### TAMAL KANTI DAS

**Age:** 26

**Nationality:** Indian

**Graduation:** B.Tech (Information Technology)

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

**Internship organization:** West Bengal Electronics Industry Development Corporation Limited (WEBEL)

**Title:** Energy Data Driven Modeling To Manage Energy Demand In Electronic Industry

**Work experience:** Fresher

**Skills:** MS Office, R Language



### TAPTI SAHA

**Age:** 23

**Nationality:** Indian

**Graduation:** B.Tech (Electronics & Instrumentation Engineering)

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

**Internship organization:** Energy Efficiency Services Limited

**Title:** Building Energy Efficiency Programme (BEEP)

**Work experience:** Fresher

**Skills:** Advance Excel, Core Java, MS Powerpoint



## Students' Profile for Energy Management



### TUHIN GHOSH

**Age:** 27

**Nationality:** Indian

**Graduation:** B.Tech (Electrical Engineering)

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

**Internship organization:** Exide Industries Limited

**Title:** Energy Management & Total Productive Maintenance (TPM) In The Production Of Lead Acid Batteries

**Work experience:** Fresher

**Skills:** Advance Excel, Python



### ANIRBAN DEY

**Age:** 22

**Nationality:** Indian

**Graduation:** B.Sc (H) (Chemistry)

**University:** University Of Calcutta

**Internship organization:** PeriUrja Energy

**Title:** Solar Forecasting & Asset Turnover Ratio(Solar Asset Management)

**Work experience:** Fresher

**Skills:** NPTEL Course On Solar PV & Renewable Energy



### ANTORA BAIDYA

**Age:** 25

**Nationality:** Bangladeshi

**Graduation:** B.Tech(Information Technology)

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

**Internship organization:** Rupantar

**Title:** Sanitation and Hygiene for Communities vulnerable to Climate change

**Work experience:** Fresher

**Skills:** Big Data, Hadoop, Data Analytics

# Partial List of Illustrious Alumni for 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)  
Infrastructure MSME Manufacturing  
Excellence & Satisfactory of CII

**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 Recruiters (Energy Management)





## Course Overview, of 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.



## Environment Management Course Curriculum

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:

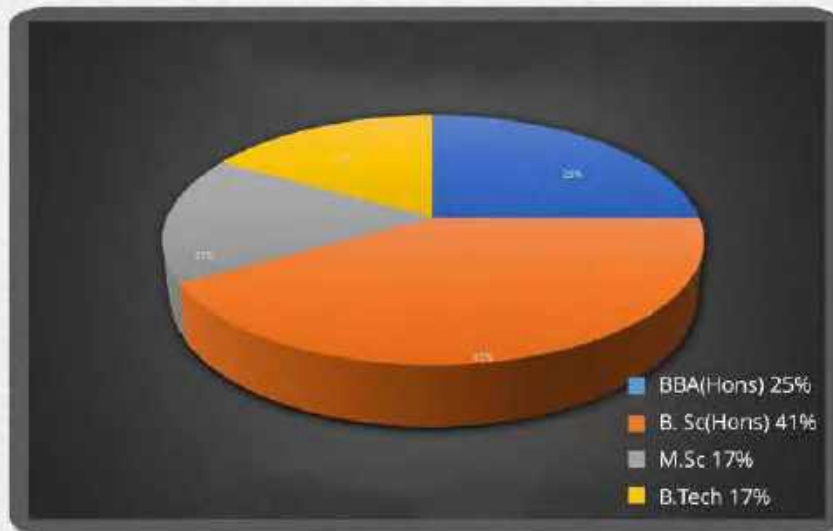
- **Water Laws and Ownership Issues'** held at National Ground Water Training and Research Institute,Raipur.Central Ground Water Board,Ministry of Water Resources, River Development and Ganga Rejuvenation
- **Participated in workshop on 'Solid Waste, C&D Waste, E-Waste& Hazardous Waste Rules 2016 & SBM'** 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

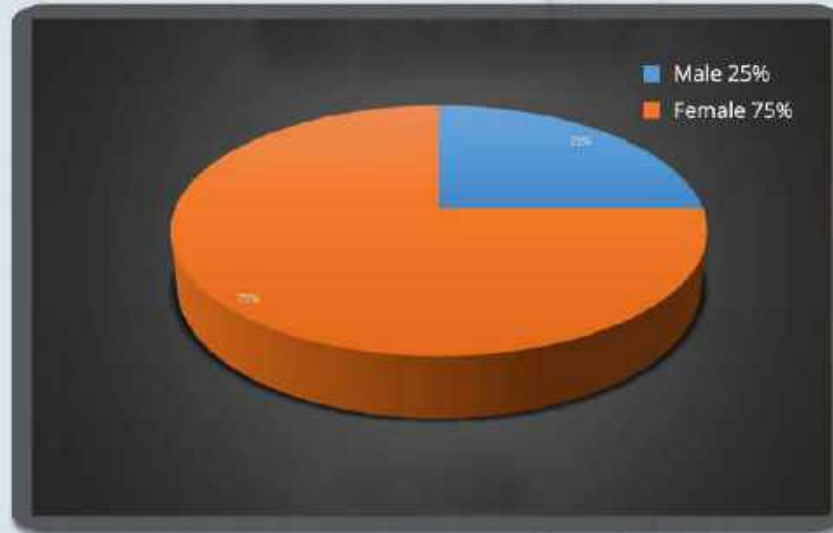


## ENVIRONMENT MANAGEMENT 2018-2020

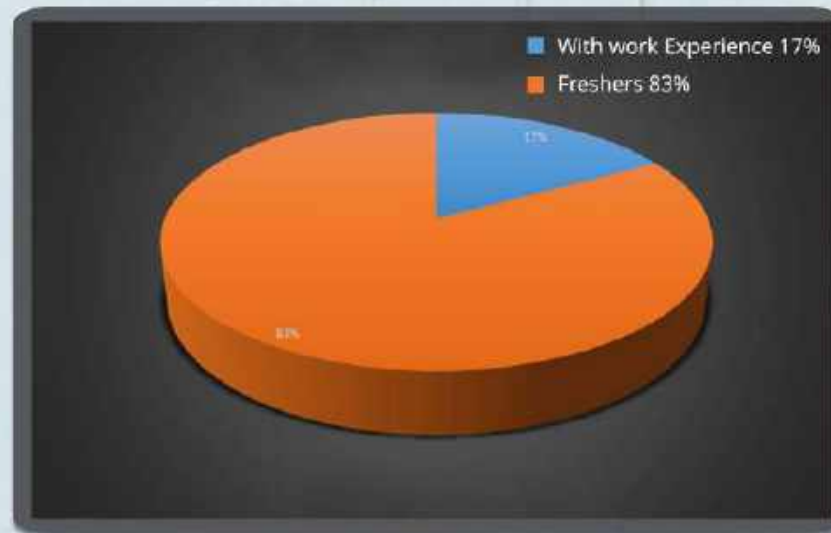




## Gender Diversity 2018-20



## Work Experience 2018 - 20



## Students' Profile for Environment Management



### ABHINAV CHOUDHURY

**Age:** 22

**Nationality:** Indian

**Graduation:** BBA(Hons)

**University:** Techno India University, Saltlake, Kolkata

**Internship organization:** WEBEL

**Title:** Electronic Waste Management in Electronics Industry - Issues and Strategies

**Work experience:** Fresher

**Skills:** Team Worker, Patient and fast learner, Committed towards work, Organised



### AISHWARYA RAY

**Age:** 22

**Nationality:** Indian

**Graduation:** BBA(Hons)

**University:** Techno India University, Saltlake, Kolkata

**Internship organization:** Greentech Environ Management Pvt. Ltd.

**Title:** Economics of Solid Waste Management in various municipalities in the state of West Bengal- case study on KMC

**Work experience:** Fresher

**Skills:** Knows Adobe Photoshop, Singing, Team Worker, Responsible, Competitive



### ANKITA SAHA

**Age:** 21

**Nationality:** Indian

**Graduation:** BBA (Hons)

**University:** Techno India University, Saltlake, Kolkata

**Internship organization:** Greentech Environ Management Pvt. Ltd.

**Title:** Economics of Solid Waste Management in various municipalities in the state of West Bengal

**Work experience:** Fresher

**Skills:** Adaptable and Flexible, Focused, Patient Learner, Diligent





**BROTOTI DAS**

**Age:** 26

**Nationality:** Indian

**Graduation:** B.Sc Hons (Bachelor of Science in Botany)

**University:** Presidency University, Kolkata

**Masters:** M.Sc. in Botany

**University:** Presidency University, Kolkata

**Internship organization:** Grant Thornton

**Title:** Solid Waste Management in a North Indian Smart City

**Work experience:** Fresher

**Skills:** Certified in Advanced Excel, Team Worker, Adaptable



**DEEYA SINHA**

**Age:** 22

**Nationality:** Indian

**Graduation:** B.Sc Hons(Bachelor of Science in Chemistry)

**University:** Lady Brabourne College, Kolkata

**Internship organization:** United Breweries Ltd.

**Title:** Safe Work Permit in Breweries (EHS)

**Work experience:** Fresher

**Skills:** Knows Advanced Excel, Active Team member, Diligent, Strong written and verbal communication skills



**ISHITA DEY**

**Age:** 27

**Nationality:** Indian

**Graduation:** B.Sc Hons(Bachelor of Science in Geography)

**University:** Surendranath College, Sealdah, Kolkata

**Masters:** M.Sc. in Geography

**University:** Vidyasagar University

**Internship organization:** Medicare Environmental Management Pvt. Ltd. (Ramky)

**Title:** Impact of Bio Medical Waste Management

**Work experience:** 10 Months-Former Class Teacher at North Kolkata Public High School

**Skills:** Pursuing Spl.B.ed from NSOU, Computer Course - D.I.T.A, Hard Working, Group Management

## Students' Profile for Environment Management



### PRITHWISH KUMAR SAHA

**Age:** 27

**Nationality:** Indian

**Graduation:** B.Tech (Chemical Engineering)

**University:** Haldia Institute of Technology, under MAKAUT

**Internship organization:** CEE (Centre for Environment Education)

**Title:** Learning about Perception thereafter developing strategies for Solid Waste Management

**Work experience:** 2 Years - Global Adsorbents Pvt. Ltd.

**Skills:** Knows Advanced Excel, Hardworking, Determined, Humanitarian



### RESHMA KHAN

**Age:** 23

**Nationality:** Indian

**Graduation:** B.Sc Hons(Bachelor of Science in Zoology)

**University:** Jogomaya Devi College, Kolkata

**Internship organization:** CEE (Centre for Environment Education)

**Title:** A Comparative study of solid wastes generated in schools of West Bengal through Waste Audit under the Urja Chetana project.

**Work experience:** Fresher

**Skills:** Team Worker, Flexible and Adaptable, Drawing, Photography



### RITUPARNA BASU

**Age:** 27

**Nationality:** Indian

**Graduation:** B.Tech (Civil Engineering)

**University:** Sanaka Educational Trust Group, Durgapur, under MAKAUT

**Internship organization:** United Breweries Ltd.

**Title:** Lock Out and Tag Out in Breweries (EHS)

**Work experience:** Fresher

**Skills:** Know Spanish (A1), Auto Cad





### SAMRAT MUKHERJEE

**Age:** 24

**Nationality:** Indian

**Graduation:** B.Sc Hons (Bachelor of Science in Chemistry)

**University:** ST Paul's Cathedral Mission College, Kolkata

**Internship organization:** TUV Nord

**Title:** Market Research on Energy, Climate Change and Sustainability Services.

**Work experience:** Fresher

**Skills:** Knows Advanced Excel, Strong Communication Skills, Multitasking, Systematic and Organised



### SHREYA BHATTACHARJEE

**Age:** 21

**Nationality:** Indian

**Graduation:** B.Sc Hons(Bachelor of Science in Environmental Science)

**University:** Asutosh College, Kolkata

**Internship organization:** Medicare Environmental Management Pvt. Ltd.(Ramky)

**Title:** Bio Medical Waste Management Process

**Work experience:** Fresher

**Skills:** Hardworking, Optimistic, Persistent, Determined



### Simi Mitra

**Age:** 21

**Nationality:** Indian

**Graduation:** B.Sc Hons (Bachelor of Science in Geography)

**University:** Bijoy Krishna Girls College, Howrah

**Internship organization:** Linde

**Title:** Hazard Identification and Risk Assessment at Jamshedpur Plant of Linde India Ltd. (HIRA)

**Work experience:** Fresher

**Skills:** Knows Advanced Excel, Good and Patient Learner, Ability to work under pressure

## Partial List of Illustrious Alumni of Environment Department

- 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, Sustainability Initiatives, Frost and Sullivan
- Sohini Ghosh Dastidar - Program Manager EHS, Amazon
- Indranil Mitra - EHS Manager, Jones Lang La Salle



## Partial List of Recruiters (Environment Management)



# CORPORATE RELATIONS CELL

## **PRITAM KAR**

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### **Placement Officer**

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

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#### **Sangeeta Roy**

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Email: energy.environment2020@gmail.com



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

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