

TERI SCHOOL OF ADVANCED STUDIES

PLACEMENT BROCHURE

2023

LLM (Environment and Natural Resources Law /
Infrastructure and Business Law)



Chancellor's Message

Established as an institution of higher learning, TERI School of Advanced Studies aims at creating knowledge and human capacity that enables transition towards a more sustainable world.

The foundation of the institute was laid by the Energy and Resources Institute a not-for-profit, independent research organization globally known for its contribution to scientific and policy research in the realm of energy, environment and sustainable development.

As a leader in sustainability education in India and abroad, TERI School of Advanced Studies (TERI SAS) has been transforming students into sustainability professionals who bring sustainable solutions to the problems that hinder growth in rapidly developing countries like ours.

With the help of an interdisciplinary curriculum taught by a multi-disciplinary faculty, the institute imparts world-class education in domains such as climate change, energy, environment, urban development, policy, water resources, biotechnology, geoinformatics and sustainability management among others.

A series of niche programmes offered by the institute that cater to the demands of the industry and are subjected to constant amendments which enable our students to face and resolve issues with ease.

The feedback from the academic peers, employers and other stakeholders always motivate us to work towards improving our teaching methodology and curriculum.

Whether it's the organizations of global relevance such as the United Nations or the organizations that work to bring change at the grass-root level, our alumni are contributing in every aspect of life across continents to make earth more sustainable for future generations.

Therefore, I welcome you all to hire our students who are competent leaders and will be great assets to organisations.



Dr Shailesh Nayak,
Chancellor, TERI SAS



Vice-Chancellor's Message

Dear Development and Industry Partners,

With an aim to create empowered professionals and thought leaders that better aligns the sustainability considerations in pursuit of economic growth and human welfare, TERI School of Advanced Studies (TERI SAS) is a unique institution of higher learning and cutting edge research.

The academic programmes at the TERI SAS have been designed by keeping in mind the challenges of rising population, already depleting and over-exploited natural resources, and opportunities for sustainable development. Over the years, our alumni engaged in diverse domains of various national and international organizations have been the ambassadors of our vision of creating knowledge for sustainable development in both public and private sectors.

The state-of-the-art research by our faculty members helps us to keep our programme curriculum cutting edge, interdisciplinary and solution-oriented. TERI SAS has been a pioneer in sustainability education and it's the unique combination of our multidisciplinary faculty and interdisciplinary curriculum that separates us from the rest of the institutes.

The curriculum ensures that the students inculcate and imbibe the problem-solving attitude through regular engagement with research projects, industry exposure and field visits.

TERI SAS believes in continuously adapting to the change taking place around the world. The feedback from the academic peers at the domestic and international levels, from employers of our alumni and other stakeholders including our students help us to make key amendments in our curriculum and teaching pedagogy.

The multicultural setting comes naturally to TERI SAS as we have students from the diverse regions across India with international students who continuously exchange ideas and experiences, making the institute truly global.

We are certain that you will find our graduates to be competent leaders who adhere to constructive engagements with analytical skills, well versed with contemporary developments in their domains and have solution-oriented approaches. Our graduates will be assets to organizations acclaiming on sustainability.

I welcome you all for the campus recruitment.

Thanking you and best regards,



Prof. Prateek Sharma
Vice-Chancellor(Acting), TERI SAS

About TERI SAS

TERI SAS (earlier TERI University) was established to disseminate knowledge arising from research and development undertaken by The Energy and Resources Institute (TERI), a not-for-profit, independent research institute recognized globally for its contribution to scientific and policy research in the realms of energy, environment, and sustainable development.

In 1999, the University was granted the 'Deemed to be University' status by the University Grants Commission (UGC) and notified vide the Ministry of Human Resources Development, Department of Education, Government of India, notification no. F.9/19/95-U-3, dated October 5, 1999. TERI SAS is also accredited by National Assessment and Accreditation Council (NAAC) with grade "A".

TERI SAS academic programmes are envisioned to provide students with a holistic perspective of the subjects offered and encourage interdisciplinary learning. The University aspires to be an institution of advanced learning which meets the needs of a rapidly growing nation. The University uses modern pedagogical tools, richly supplemented by comprehensive field trips, live industry projects, and hands-on applications.

Administration

The University's Board of Management is responsible for its overall administration and control. All aspects of academic policy are under the purview of the Academic Council, chaired by the Vice Chancellor, which approves curricula, courses and examination results.

ACADEMICS

Since its inception, the wide array of academic programmes offered by TERI SAS have been related to sustainable development and structured around four thematic areas—biotechnology, regulatory and policy aspects, energy and environment, and natural resources.

The University is a first-of-its-kind university in India to dedicate itself to the study of environment, energy, law, water resources, business sustainability and natural sciences for sustainable development.

INFRASTRUCTURE

TERI SAS provides well-equipped laboratories, advanced computer hardware and software, video-conferencing facilities and access to South Asia's most comprehensive library on energy and environment.

Green Campus

Spread over two acres, TERI SAS Green campus comprises of an administrative block, an office block, a convergence and a hostel block. The green campus provides a setting that enhances learning while simultaneously showcasing the concept of modern green buildings including insulation of external walls, terrace insulation, Hunter Douglas louvers, solar water heating system, waste water recycling, rainwater harvesting, solar rooftop system, LED lights and a windmill.

The Academic Council

Chairperson

Prof. Prateek Sharma

Professor & Vice Chancellor (Acting), TERI SAS

Deans

Prof. Ramakrishnan Sitaraman

Professor & Dean(Academic)

Prof. Shaleen Singhal

Professor & Dean(Research & Partnerships)

Prof. Anandita Singh

Professor & Dean(Student's Welfare)

Heads of the Departments

Dr Sudipta Chatterjee

Prof. Vinay Shankar Prasad Sinha

Prof. Naqui Anwer

Dr Sukanya Das

Dr Chaithanya Madhurantakam

Professors

Prof. Arun Kansal

Two Associate Professors from Departments

Dr Chander Kumar Singh

Dr Smriti Das

Two Assistant Professors from the department by rotation of seniority

Dr. Shruti Sharma Rana

Dr Anu Rani Sharma

Nominee by the Vice Chancellor

Prof. Shreekant Gupta

Professor, Delhi School of Economics, University of Delhi

Prof. P.S.N. Rao

Director, School of Planning and Architecture

Prof. Sagnik Dey

Institute Chair Professor, Centre for Atmospheric Sciences, Indian Institute of Technology Delhi

Prof. T C Kandpal

Professor, Centre for Energy Studies, Indian Institute of Technology Delhi

Dr. Vivek Suneja

Faculty of Management Studies, University of Delhi

Prof. Suresh Jain

Professor, IITD

Co-opted Members

Mr. Manoj Chugh

President – Group Public Affairs & Member of the Group Executive Board Mahindra & Mahindra Ltd

Mr. Rahul Mittal

Director, International Tractors Ltd.

Dr Sabhyata Bhatia

Staff Scientist VII, National Institute of Plant Genome Research, New Delhi

Mr. Shubhashis Dey

Director – Climate Policy Program, (Low Carbon Development, Air Quality & Climate Finance), Shakti Foundation

Mr. Niraj Sharma

Chief Scientist, TPE Division, CSIR-Central Road Research Institute

Dr Bidyut Kumar Bhadra

Dy. General Manager, Regional Remote Sensing Centre-North, National Remote Sensing Centre, Indian Space Research Organisation

Dr Madhusudan Sau

Executive Director, R&D Centre, Indian Oil Corporation Limited

Mr. Sudhir Vadehra

Ex-Advisor, Ministry of Power; and Executive Director, REC (Retd)

Controller of Exams

Prof. Shashi Bhushan Tripathi

Secretary

Mr. Kamal Sharma

Registrar (Officiating), TERI SAS

Board of Management

Chairman

Prof. Prateek Sharma
Professor & Vice Chancellor (Acting),
TERI SAS

Deans

Prof. Ramakrishnan Sitaraman
Professor & Dean (Academic), TERI
SAS

Prof. Shaleen Singhal
Professor & Dean (Research &
Partnerships), TERI SAS

Three eminent Academicians nominated by Chancellor

Prof Basabi Bhaumik
Former Professor, IIT Delhi

Dr Sachin Chaturvedi
Director General, Research and
Information System for Developing
Countries (RIS)

Dr Swati Basu
Former Director, National Centre for
Medium Range Weather Forecasting
and Former Scientific Secretary, PSA's
Office, Government of India

Nominee of Sponsoring Society

Dr V.P. Singh
Regional Rep for South Asia,
International Centre for Tropical
Agriculture

Prof. Nitya Nanda
Director, Council for Social
Development

Mr. O P Agarwal
Former IAS and former CEO of WRI

Two teachers (from Prof and Associate Prof)

Prof. Anandita Singh
Professor, TERI SAS

Dr Sukanya Das
Associate Professor, TERI SAS

Secretary

Mr. Kamal Sharma
Registrar (Officiating), TERI SAS

ACADEMICS

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Department of Natural and Applied Sciences

Quality of life depends on the quality and quantity of natural resources available for use in equitable ways. The world today faces an unprecedented challenge of sustainability. Finding a balance between meeting the needs of human population and maintaining integrity of nature around us is the foremost question of our times. It is imperative to understand how natural processes and systems work around us and how to best use them in pursuit of this balance. The Department of Natural and Applied Sciences (DNAS) at TERI SAS is established to impart training for engaging with the questions of natural resource management in a scientifically rigorous manner. It houses faculty members from a diverse academic disciplines with a focus on applied research for informed decision making.

DNAS offers four distinct interdisciplinary masters programs in Biotechnology, Climate Science and Policy, Environmental Science and Resource Management, and Geoinformatics; and two transdisciplinary Ph.D. Programs in Bioresources and Biotechnology, and Natural Resource Management.

Students pursuing their Master's / Doctoral programme at DNAS are exposed to an academically rigorous and interdisciplinary learning environment with a significant emphasis on laboratory work and engagement with contemporary debates, emphasizing exploration and creative thinking and application as essential ingredients of originality in research and learning.

Department of Policy and Management Studies

The primary challenge of the human being is to improve quality of life across generations, an objective now widely recognized as Sustainable Development. This challenge necessitates numerous interventions concerning each of its components: environmental, social and economic. These interventions range from eradication of hunger and poverty to reduction in inequality; from the provision of quality education, good health, decent work environment, water, sanitation, affordable and clean energy to fostering gender equality; from economic growth to effective institutions; from responsible consumption and production to taking urgent actions to combat climate change.

The Department of Policy and Management Studies (DoPMS) at TERI School of Advanced Studies (TERI SAS) aims to contribute to theoretical and empirical enquiry towards informed prescriptions, implementable policies, sustainable practices and management through research, teaching and training. The continued research in sustainability for the business is also one of the key concerns of the Department.

Faculty of the Department have disciplinary backgrounds in Anthropology, Economics, Population Studies, Sociology, Finance & Accounting, Corporate and Commercial Laws, Public Health, Strategy, Business Sustainability, Circular Economy Finance, Climate Finance, Development Studies and Public Policy. Such disciplinary enables the promotion of multi-disciplinary research and learning at the economy-society-ecology interface. The faculties are engaged in active research in their disciplines as well as within the broad theme of sustainable development. This is reflected in their publications, sponsored projects, consultancies and training programmes and supervised research. The faculty regularly engage with the scientific community through seminars and conferences, participate in different forums as experts or resource persons, and engage with the general public through their lectures, print and digital media.

Department of Sustainable Engineering

Over the past half century, the global community has been debating the mode of economic growth, amid challenges of environmental degradation, energy transition and climate change. India among the several emerging economies, though at crossroads, it has chosen a trajectory of sustainable development for ensuring inter-generational equity and inclusiveness in its growth journey. As India is growing economically amid an increased pace of urbanization, the burden on resource utilization and management has increased Substantially. Two prominent sectors such as energy and urban development facing challenges which are bound to increase due to climate change. Addressing these challenges will require trained professionals who can assess the problems, think critically by integrating multiple sectors and create evidence-based solutions. The focus of Department of Sustainable Engineering (DSE) at the TERI SAS is to develop a cadre of professionals having requisite knowledge and skillsets towards addressing the current and envisaged challenges faced by humanity by promoting scientific, technological and policy innovations for strengthening local, regional, and global development agendas.

DSE offers MTech and doctoral programmes in areas of Renewable Energy Engineering & Management (REEM), and Urban Development Management (UDM). The Department is cognizant of the complex environmental, socio-economic, and political challenges that require an integrative approach towards engineering and sustainability. The DSE encourages collaboration with relevant stakeholders including industry, government, academic & research institutions, and multi-lateral organizations to deliver practice-informed research and teaching.

The curriculum of programmes offered by DSE is an eclectic mix of foundational and advanced courses which promotes both critical and creative thinking. The students at DSE are drawn from diverse branches of engineering, science, architecture, and planning which cultivates robust peer learning. The faculty at the DSE has wide experience and expertise across multiple domains, touching upon the two main themes of the Department – renewable energy and urban development.

Coca-Cola Department of Regional Water Studies

The Coca Cola Department of Regional Studies was created in 2014 with a mission to create a cadre of water professionals who can provide systematic solutions to enhance water security. The water science and governance programme aims to prepare regional water champions who can address water problems in a holistic manner that encompasses both the science of water management and the governance and an enabling policy environment with a healthy blend of theory and practice. The teaching programme focuses on cross cutting issues of water resources through science, engineering, legal, socio-economic and institutional dimensions.

The Department offers two Master's level programmes and Ph.D. programme. The M.Sc. programme in Water Science and Governance is an interdisciplinary program with emphasis on development of social, economic, institutional and governance perspectives. The water professionals graduating from TERI SAS are equipped to examine water issues in a trans-boundary and cross-cultural framework transcending environmental science, social, economic and legal discourses. The M. Tech programme in Water Resources Engineering and Management integrates engineering and technological theories with socio-economic principles. The courses address the technical, social, economic, legal and political dimensions of water. Interdisciplinary in its scope and objectives, the programme prepares students for a rewarding and challenging career in water resources management.



COLLABORATIONS

Stressing the importance of the international perspective in its programmes, TERI SAS has entered into Memorandums of Understanding (MoUs) with several international universities aimed at facilitating a mutually beneficial exchange of students, faculty, knowledge, resources, and ideas.

Organisation with which MoU is signed

Freie University, Berlin

The Heller School for Social Policy and Management,
Brandeis University

Himalayan University Consortium Charter University of
Iceland

Sambhram Institute of Technology, Bangalore & TERI,
Bangalore

The University of the West Indies, Kingston, Jamaica

Environment Protection Training and Research Institute,
Telangana, India

Karl-Franzens-University, Graz; Ca'Foscari University,
Venice; Leipzig University, Germany; Utrecht University,
Netherlands; Basel University, Switzerland; Hiroshima
University, Japan; Stellenbosch University, South Africa

Gurugram Metropolitan Development Authority, Haryana

Institute for Future Cities, University of Strathclyde,
Glasgow, United Kingdom

Kwame Nkrumah University of Science and Technology,
Kumasi, Ghana

Future Himalaya Institute (FHI), Kathmandu, Nepal

Faculty of Graduate Studies, University of Sri
Jayewardenapura, Sri Lanka

National Institute of Disaster Management (NIDM), India

Purbanchal University, Nepal

The University of Victoria, B.C., Canada
Deakin University, Australia

SM Sehgal Foundation, Gurugram

CPWD, New Delhi

University of Science, Engineering and Technology,
Gambia

Lomonosov Moscow State University

Linnaeus University, Sweden

Mahindra & Mahindra Ltd.

Humboldt University, Berlin

EKI-Energy Services Limited

Canvest Infracapital Inc., Canada

DHAN Academy, Tamil Nadu

Centre for Public Policy Research, Kerala

Emerson Electric Co (I) Pvt. Ltd, Pune, Maharashtra

National Bureau of Plant Genetic Resources

University of Rhode Island, USA



INFRASTRUCTURE

TERI SAS provides the best equipment and instruments, which includes a state of the art computer hardware and software, well-equipped laboratories, video-conferencing facilities and access to South Asia's most comprehensive library on energy and environment.

Green Campus

Spread over two acres, TERI SAS Green campus comprises of an administrative block, an academic block, a convergence and a hostel block. The green campus provides a landscape that enhances learning while simultaneously showcasing the concept of modern green buildings including insulation of external walls, terrace insulation, Hunter Douglas louvers, solar water heating system, waste water recycling, rainwater harvesting, solar rooftop system, LED lights and Wind turbines.

Laboratories

TERI SAS laboratories are equipped with advanced equipment and facilities to aid and stimulate research.

The different laboratories at TERI SAS are:

Environmental Monitoring Laboratory

The laboratory has been created with the objective of providing a facility with all the basic equipment required for the analysis of environmental samples (soil, waste, water, and air). It caters to the interdisciplinary application of research to all the master's students (science-based) of the Deemed university. This laboratory facility is common for M.Sc./M.Tech. (ESRM, CSP and WSG) programs

Combustion Lab

The combustion lab was established in 2009 with the initial funding received from DST project and MNRE projects. It is a small lab however equipped with instruments used for emission and thermal efficiency testing. Primarily, we conduct experiments based on internationally accepted protocols viz, water boiling test (WBT) and kitchen performance test (KPT) in the above-mentioned lab. The hood methodology is used to capture and quantify the various products of incomplete combustion.

Environment Lab

The laboratory supports master's level experiments pertinent to the laid curriculum. The lab is equipped with instruments required for environmental analysis (soil, water, and air). The laboratory is capable to perform analysis on drinking water, wastewater, surface and groundwater, soil, and sediments, including air quality monitoring, and basic microbial analysis. Laboratory also supports various training programs offered by the university in the associated fields. This laboratory facility is common for M.Sc. (ES, WSG, and CSP) programs.

Centre of Excellence in Thermal Energy Storage

The laboratory is equipped for research on new thermal storage system development for sub-ambient, low, and medium temperature applications and characterizing storage material properties for optimal system design.



Heat transfer laboratory

The laboratory provides hands-on training to students to understand various heat transfer modes, devices and to quantify their characteristics parameters or properties.



Power Systems laboratory

The lab provides fundamental experimental knowledge on different equipments used in electrical power system at various loading conditions and to measure their characteristics.

Hybrid Micro Grid (HMG) laboratory

The lab houses solar PV system, wind turbine, battery energy storage and connected together to develop a hybrid micro grid. The research facility is used for carrying out power flow experiments.

Energy Simulation Laboratory

The lab is equipped with the state of the art software used in Renewable Energy industry. The lab provides in-depth understanding on design, simulation, financial analysis and optimization of various renewable energy technologies for plant/system design and other applications.

Biofuel and Waste Utilization Laboratory

The lab is used to conduct research experiments on the combustion process, fuel properties, biomass conversion, and pyrolysis.

Solar Energy Laboratory

The lab is equipped with outdoor and indoor experimental facilities to conduct experiments on the characterization of solar photovoltaics modules, radiation measurement, and performance analysis of various solar thermal devices/systems.



Geoinformatics Laboratory

The TERI SAS geoinformatics laboratory is well equipped with state-of-the-art equipment such as state-of-the-art computers (workstations), a scanner, printer, plotter, navigation devices, infrared thermometers, etc. It has license for high -end commercial software's like ERDAS Imagine, LPS, ArcGIS, MIKE, GMS, and WEAP along with other advanced support system's mechanism. The laboratory is also equipped with web publishing tools like ArcGIS Advance and ArcIMS Servers. The laboratory is **also fitted with various open-source** geospatial softwares to expose our students to the powerful open-source environment.

The laboratory holds a good repository of geospatial information in both digital and hard formats. The Geoinformatics laboratory of the Department of Natural and Applied Sciences of TERI SAS has a solid network with several research establishments and Universities working in Geoinformatics and other associated fields both within and outside the country. We also support R&D activities of various centres of The Energy Resources Institute (TERI) branches located across the country.



Analytical and Geochemistry Laboratory



The analytical and geochemistry lab caters the needs for research in understanding the earth sciences problems and providing solutions to these problems. The researchers in the laboratory are currently engaged in understanding the natural occurrence of Arsenic, Fluoride and Uranium in groundwater. The lab also has developed prototype nano-materials to remove such geogenic contaminants from groundwater to provide safe drinking water. The lab has established linkages to Lamont Doherty Earth Observatory, Columbia University; Dept. of Engineering,

Massachusetts Institute of Technology, Stanford University. The lab also has developed linkages with institutions in India such as IIT Kharagpur, IIT Guwahati, Jawaharlal Nehru University, SPCB Bihar, Drinking Water Supply and Sanitation, Punjab, Board of Research in Nuclear Sciences etc. The laboratory houses several water field testing kits, flame photometer, double beam spectrophotometer, LED-Fluorimeter, Radiation Survey Meter, Air-dry Oven, Sonicator, pH meter, Muffle furnace, Ion selective Electrodes, Conductivity meter etc.

Biotechnology Laboratory

The Biotechnology Laboratories at TERI SAS are equipped for teaching and research in Biotechnology. The laboratories harbor both basic as well as sophisticated equipment used the modern biotechnology research. In addition to these, the Bioinformatics laboratory is equipped with a high capacity server, workstations and dedicated computers with advanced software such as MATLAB, GCK, PAUP and MacVector. There are two laboratories for M.Sc. teaching and two research laboratories. Furthermore, the students also have access to TERI's research laboratories at Gwal Pahari.



Some of the major equipment installed in the laboratories are listed below:

- | | | |
|--------------------------|-----------------------------|--|
| ●Real time PCR | ●Centrifuges | ●Spectrophotometer |
| ●Zeta Potential Analyzer | ●Incubator Shakers | ●SE 600 Ruby complete, 2D, Vertical Gel unit |
| ●Refrigerators | ●Thermal cyclers | ●2D Gel Electro power supply, EPS 601, GE |
| ●Microscopes | ●EVOX-XL Microscope | ●Gel Doc system XR |
| ●Laminar Flows | ●Nanodrop Spectrophotometer | ●Ice Franking Machine |
| ●Power Pack/Power supply | ●Gene Pulser X Cell | ●Growth Chamber GC - 100 |
| ●BOD Incubator | ●HB-1000 Hybridization Oven | ●Electronic Balances |
| ●Deep freezers -20°C | ●Stereo Zoom Microscope | ●Deep Freezer -80°C |
| | | ●Solar PV Simulator |

Library

One of the key infrastructures of TERI SAS is its well developed and centrally organised library. The library has a number of electronic services and an ever-wider range of resources in order to support teaching, learning and research. The Library also engages in partnership initiatives with academic colleagues and national and international universities. The services are offered electronically through a web-enabled integrated digital information system.



Centre for postgraduate legal studies

CENTRE FOR POSTGRADUATE LEGAL STUDIES

TERI School of Advanced Studies since its inception has been offering courses in the field of law. In addition, the faculty members were involved in several research projects cutting across various disciplines including law. Training programmes on law and regulation were also being conducted at regular intervals. It was decided to consolidate all these activities in the field of law and the Centre for Postgraduate Legal Studies was set up in 2016. It is established as an interdisciplinary centre of excellence dedicated to legal research and teaching on issues pertaining to society and development. The One Year LL.M. programme is offered under the auspices of the Centre.

The Centre for Post Graduate Legal Studies (CPGLS) was established in 2016 and currently offers a doctoral programme in Legal Studies with a focus on Law and Sustainability; a one-year LL.M. in Environment and Natural Resources Law; and also, another one-year LL.M in Infrastructure and Business Law.

Vision: To successfully integrate the values of sustainability in legal education and training.

Mission: To create a pool of legal experts who are exposed to the challenges and opportunities of sustainable development.

Head of the Centre -

Dr. Vidhi Madaan Chadda, is a commerce and law graduate from the University of Delhi. She is a fellow member of the Institute of Company Secretaries of India. She did her Masters in laws (with specialization in corporate laws) and has qualified UGC-NET. She obtained her Ph.D. in the area of Competition law from the Faculty of Law, University of Delhi.

She specializes in the areas of Company law, Competition law, Insolvency law and Tax law. She has been practicing, researching and teaching in the said areas for over a decade. Prior to joining TERI SAS she worked as an Assistant Professor at the Vivekananda School of Law and Legal Studies affiliated to Guru Gobind Singh Indraprastha University, Delhi.

She is a resource person for a number of government and non-governmental institutions like National Training Academy, Ministry of Labour and Employment, Institute of Chartered Accountants of India, Northern India Regional Council - Institute of Company Secretaries of India and other regional chapters of ICSI.



PROGRAMME HIGHLIGHTS

The Programme with a focus on skills development is the only mentorship-based LL.M in India with emphasize on acquiring the required employability skills.

- Courses designed in consultation with industry and contemporary needs focusing on national and international developments
- Courses aimed at balancing theoretical knowledge and practical application
- Wide variety of optional courses taught by legal professionals
- Skill development through research assignments, group work, individual presentations, seminars and workshops

PROGRAMME OUTLINE

Environment and Natural Resources Law has emerged as a newly independent field in legal practice. There is a need for specially qualified legal professionals in this field of law. It is from this perspective that the TERI School of Advanced Studies (TERI SAS) offers a one-year LL.M. programme with specialization in Environment and Natural Resources Law.

Environment and Natural Resources Law: A developing country like India with sizeable population needs to protect the environment in the process of development. While development remains a priority in India, the country cannot afford to ignore environmental concerns which need to be integrated into all economic policies and projects. A specialization in Environment and Natural Resources Law, therefore, assumes great significance. The primary focus of Masters specialization in Environment and Natural Resources Law is to understand how the legal framework can reorient economic activity towards sustainability. This can happen in different ways like prohibiting or regulating environmentally damaging activities, assigning liability for environmental harms, clearly defining property rights and providing adequate incentives for benign environmental activities. The course also addresses the principles of allocation of natural resources according to the concepts of equity and due process. This specialization thus covers a broad range of introductory and specific courses.

PROGRAMME SPECIFIC OUTCOME:

Upon culmination of the programme, the students will be able to:

- Understand and analyze the legal regime on protection of environment both domestic and international also draw its linkages with other branches of law.
- Appreciate the interface between environmental regulation and their implications on the business operations.
- Gain perspective on the legal framework for allocation and management of natural resources and the role of various stakeholders.
- Acquire understanding on the legal response to climate change and its impact on other branches of law.
- Develop and apply skills for undertaking quantitative and qualitative research to analyze data by undertaking project/dissertation.
- Gain hands-experience in identifying gaps in law and policy and ability to connect the theory with its practical implication.

EVENT ORGANISED

National Workshop On The 'E' in ESG: Reflections for Corporate Governance and Sustainability Organised by: TERI School of Advanced Studies, New Delhi in collaboration with National Foundation for Corporate Governance (NFCG), February 11th 2023

The spirit of ESG is not compliance but the contribution to the overall sustainability of the environment, which in turn ensures business continuity. The workshop aimed at creating a consensus on various concepts of environmental factors of reporting under ESG norms, review Indian practices and norms towards the fulfilment of global standards, promote policy changes, and facilitate thought leadership.



SEMINARS

The Future of Energy in Green Hydrogen: Policy and Legal Perspective By- Sufiyan Khan, Paritosh Bisen, Debashish Dash, Priyabrat Kumar

The brainstorming for the effective development of green hydrogen on a global scale is at an alltime high and India is also being a major participant and contributor in this venture. Given its versatility across multiple sectors, India introduced the National Hydrogen Mission in 2021 intending to scale up green hydrogen production and synchronise the country's effort with the best practices throughout the world in the aspects of technology, policy as well as regulation. Indeed, the use of hydrogen as a source of fuel is not a novel idea as it is prevalent in a range of industries, however, it is yet to realise its full potential as it can assist in the Paris Agreement's promise of transitioning into sustainable energy.

'Legal Framework for Solid Waste Management in India: A Critical Analysis' By- Shivangi Vashishta, Meghna Sharma, Yamini Rajora

There is a need to cultivate community awareness and change the attitude of people towards waste, as this is fundamental to developing sustainable waste management systems. Sustainable and economically viable waste management must ensure maximum resource extraction from waste, combined with safe disposal of residual waste through the development of engineered landfill and waste-to-energy facilities. India faces challenges related to waste policy, waste technology selection and the availability of appropriately trained people in the waste management sector.

First Year			
Year	Courses	Credits	Durations
1st Semester	7 common courses	16	18 weeks
2nd Semester	2 common courses and 4 specialisation based core courses and 2 electives	16	18 weeks

Semester 1			
Course No.	Course Title	Type	Credits
MPL 151	Comparative public law/systems of governance	Core	3
MPL 103	Dissertation	Core	2
MPL 141	Economic foundations of environmental and infrastructure law	Core	1
MPL 155	Environmental law and policy	Core	2
MPL 157	Infrastructure law and policy	Core	2
MPL 153	Law and justice in globalizing world	Core	3
MPL 173	Research methods and legal writing	Core	3
MPL 101	Seminar/clinic on contemporary issues in infrastructure and environment	Core	0

Semester 2			
Course No.	Course Title	Type	Credits
MPL 165	Competition law and policy	Elective	2
MPL 104	Dissertation 2	Core	3
MPL 159	Energy law	Elective	2
MPL 102	Seminar/clinic on contemporary issues in infrastructure and environment - II	Core	0
MPL 132	Water resources law	Elective	2
MPL 162	Biotechnology Law	Elective	2
MPL 134	Climate change and law	Elective	2
MPL 156	Environmental Aspects of Business Activities	Core	2
MPL 158	Forest law and policy	Core	2
MPL 182	Hazardous waste law	Elective	2
MPL 152	International environmental law	Core	3
MPL 154	Mining and mineral laws	Core	2
MPL 166	Urban Infrastructure Law and Management	Elective	2

Plastic Waste Management Amendment Rules, 2021: Ban on Single Use of Plastic” By- Kunal Karan, Sparsh Peter, Shubham Sharma

In 2019, at the 4th United Nations Environment Assembly, India had piloted a resolution to combat pollution caused by single-use plastic. In accordance with the resolution and the farsightedness of the Prime Minister Shri Narendra Modi to limit/nullify the use of single-use plastic by 2022, the Ministry of Environment, Forest and Climate Change (MOEFCC) notified the Plastic Waste Amendment Rules, 2021 which identifies Single-use Plastics and prohibits its use by 2022.

A Critical Appraisal of the Energy Conservation (Amendment) Bill, 2022'.by- Jyoti Yadav Sushree Sunanda Sahu, Sabeeha Ali, Drishti Tiwari

The Energy Conservation (Amendment) Bill, 2022 has been introduced with a view to strengthen the principal act of 2001, to help achieve India's Nationally Determined Contributions towards climate change and could potentially help in reducing the carbon usage. Several stakeholders have appreciated the provisions of the bill, and the amendments so proposed. Yet, steps must be taken to ensure the proper implementation of the law domestically, thereby strengthening India's position and negotiating power globally; especially with respect to climate finance from the global north.

Challenges to E-waste Management in India: Response of Law' By- Rananjay Singh Aswal, Mranal Sharma, Parisha Vishnoi, Parul Sharma

E-waste or electronic waste is a notable waste stream these days occasioning from the eruption of electronic products in the past decades due to rapid developments in the technology revolution, consumerism, economic growth, urbanization as well as obsolescence that leads to reduced product lifecycles. Therefore, management and proper regulation of electronic waste have become a point of concern today as it has a harmful impact on the environment as well as on humans dealing with it. India has been ranked at the bottom in a list of 180 countries that were judged for their environmental performances in the 2022 Environmental Performance Index (EPI). India ranks third in the world for e-waste creation, behind China and the USA, according to the Global E-Waste Monitor, 2020. India is one of the world's markets for electronics that is expanding the fastest. Seelampur in Delhi is the largest e-waste dismantling centre of India.

Analysis of India's Long-Term Low Carbon Development Plan: Seeking just, smooth and inclusive sustainability” By- Vanita Awasthi, Paritosh Bisen, Priyabrat Kumar, Mranal Sharma

The practical utility of the LT-LEDS's is for climate justice and the emphasis on a nation's entitlement to an equitable and fair share of the global carbon budget. It also guarantees that there are no obstacles in the way of realising the aim of rapid economic transformation and growth while upholding environmental protection. The COP26 (Conference of Parties) meeting in Glasgow in November 2021 required parties who had not yet declared their LT-LEDS to do so by COP27. After lengthy consultations with numerous governmental agencies, state governments, academic institutions, and civil society organisations, India's LT-LEDS was created at COP 27 in Sharm el-Sheikh, Egypt in 2022, it was submitted to the United Nations Framework Convention on Climate Change (UNFCCC)

“Rivers and their Legal Rights” By- Shubham Sharma, Jyoti Yadav, Parisha Vishnoi, Yash Sharma

The emerging environmental jurisprudence of providing legal rights to rivers hold great promise for the conservation and protection of riverine ecosystems at a global scale. It enables rivers to defend themselves either through an appointed legal guardian or through the active involvement of the community. The development of this rights-based framework in India is still at its nascent stage, requiring the creation of new knowledge to guide the process forward. In this context, the seminar explores three fundamental questions on providing legal rights to rivers in India – whose responsibility is it to uphold the right, to what extent of the river is the right applicable and at what scale would relevant legislations operate? It draws its observations from the global experience of advancement of this jurisprudence while considering the intricacies specific to the Indian system and being guided by the existing scientific understanding of rivers. It thus provides future directions of research to advance the understanding and applicability of the rights-based framework for protecting rivers.

STUDENTS ACHIEVEMENTS

PAPER PRESENTATIONS

“Ensuring Environmental Norms through Green Pilgrimage: A Cardinal Principle of Sustainable Living” at International Conference on Religious Tourism, Department of Management Studies, Babasaheb Bhimrao Ambedkar University Lucknow, Uttar Pradesh- By Md. Sufiyan Khan

“Disaster Management and the Role of Local Governance in India @ 75: Issues, Challenges and the Contemporary Development” at National Conference on Local Governance in India@75 –Issues, Challenges and Contemporary Developments organized by Centre for the Study of Law and Governance, Jawaharlal Nehru University (JNU), Delhi- By Md. Sufiyan Khan



“Environmental Crimes and the Role of Green Criminology: New Model for Sustaining Mother Earth” in International Symposium on Remaking Criminology: Contemporary Insights from the Criminal Justice organized by Delhi Metropolitan Education, Law School, Noida. By- Md. Sufiyan Khan

“Climate Crisis, Disaster Displacement and Stateless Person: An alarm that fails to ring the bell” at 9th International Conference on International Law and Changing Global Order organized by Indian Society of International Law, New Delhi- By. Md. Sufiyan Khan



Climate Change Refugees, Statelessness, and International Law at 9th International Conference on International Law and Changing Global Order- By Sabeeha Ali

Critical Analysis of international Space law regime with special reference to space governance & growing private sector participation at 9th International Conference on International Law and Changing Global Order- By Mranal Sharma

India’s Engagement in Global Climate Governance: Contextualising Conference of Parties 27 at 9th International Conference on International Law and Changing Global Order- By Yamini Rajora & Shivangi Vashistha

“Environmental Sustainability and Corporate Governance: A Liability or Challenge” in the National Workshop on “The ‘E’ in ESG: Reflections for Corporate Governance and Sustainability” organized by TERI School of Advanced Studies, New Delhi and Sponsored by National Foundation for Corporate Governance (NFCG) By- Md. Sufiyan Khan

“Legal and Constitutional Provisions Regarding Minority Development” in National Seminar on Issues of Minority In Jharkhand: Perspectives & Consequences- By Vanita Awasthi

“Women Trafficking” in National Seminar on The Critical Role of the Civil Society Organizations in Combating Trafficking in Human Beings- By Vanita Awasthi

PAPERS PUBLISHED

"Ground water Legal Regime in India: Policy Analysis and Challenges." International Journal of Law Management and Humanities (ISSN 2581-5369)- By Mranal Sharma

"A Study On Project Elephant And How Effective Is The Regulatory Framework" in the Indian Journal of Law and Legal Research, ISSN: 2582-8878, Volume V Issue I – By Drishti Tiwari

"Water Laws And Policies In India: A Critique On Existing Framework" in the International Journal for Legal Research and Analysis ISSN: 2582-6433 Volume 2 Issue 7- By Drishti Tiwari

"Forest Rights Act, 2006: Promise Delivered or Just a Hoax?" in White Black International Legal Law Journal. ISSN 2581-8503; Volume 2 Issue 14.- By Sparsh Peter

"Impact of Infrastructure Demolitions on Environment- A study of the Noida Twin Towers Case" International Environmental Legal Research Journal, (ISBN- 978-81-960677-0-0), Vol. 1, Issue 1- By Sushree Sunanda Sahu

"Environmental Refugees" Conserve For Future, Environmental Law Series II, (ISBN- 978-81-954254-8-8), Damodaram Sanjivayya National Law University, Visakhapatnam. By Sushree Sunanda Sahu

"The Hyogo Framework of Action 2005-2015" Indian Journal of Law, Polity and Administration, March, 2021. Available at: www.ijlpa.com/journal. - By Sushree Sunanda Sahu

"A socio-legal study of acid attacks on women in India", International Journal of Research and Analysis, Vol 2, Issue 6, 2015(ISSN 2347-3185)- By Vanita Awasthi

"Women Trafficking – A curse for the Modern Society", Legal Bloc Journal, Vol 1, Issue 1(ISSN 2395- 0277)- By Vanita Awasthi

"Delineating Foreign Policy of India"– The Asian Journal (ISSN 2349-4271)- By Vanita Awasthi

"COP 21: The Paris Paradigm"– International Journal of Advance Contemporary Research (ISSN 2394-9503)- By Vanita Awasthi

"Human Rights and the Pandemic" International Journal of Integrated Research in Law, Volume II Issue I, ISSN: 2583-0538.- By Shubham Sharma

"Applicability of Forensic Science in Criminal Justice System in India" International journal of research and Analysis, ISSN 2347-3185. By Shubham Sharma

"Unperceived Child Trafficking and Illegal Adoptions Midst Covid-19" International Journal of Legal Science & Innovation, ISSN-2581-9453. By Shubham Sharma

"Marital Rape: Why are Indian laws still confused about this?" Vol. 6 of Issue 4 of International Journal of Socio-legal Research, ISSN-2393-8250. By Shubham Sharma

"Tribal women and their relation with legal perspective" published in Jus Imperator Volume 2 Issue 4 ISSN: 2456-9666 By Shubham Sharma

"Assam on stilts: The recurring story of damage and death", DownToEarth (August 20, 2020)- By Meghna Sharma

"Voluntary" Contributions to PM CARES Fund: A Stone-Hearted Decision?", Bar and Bench- By Meghna Sharma

"Child Pornography and Pornography among Children: Issues and the Way Ahead", Torment 2020, Pen Acclaims, Volume 2 (2020), ISBN:9798648198838.- By Meghna Sharma

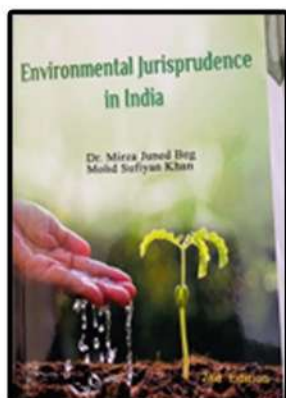
"Healthy Life Still Remains a Distant Dream for Women in India", International Journal of Law Management and Humanities, Volume 3, Issue 2 (2020), ISSN 2581-5369.- By Meghna Sharma

Critically examining the consequences of phasing out of Rule 134A of Haryana school education rules in the light of the Right to Education Act, 2009, Jus Corpus Law Journal By- Shivangi Vashistha

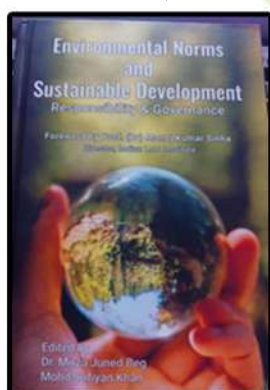
Daily Wage Workers and High Suicide Rates: A Legal Analysis, Jus Corpus Law Journal, Volume 3 Issue 1 - By Shivangi Vashistha

BOOKS AUTHORED & EDITED

Environmental Jurisprudence in India, ISBN NO.978-93-5515-320-3 (2nd Edition, Book Rivers Publication, Lucknow, 2023).- Mirza Junaid Beg & Md. Sufiyan Khan



Environmental Norms & Sustainable Development: Responsibility & Governance, ISBN NO. 978-93-9172-83-8 (Kavya Publications, New Delhi, 2022)- Md. Sufiyan Khan



Students' Profile



Name- Debashish Dash

Academic Qualification- B. Tech (Computer Science), LL.B. (Honors in IP Law)

Institution- RGSOIPL, IIT Kharagpur

Year of Graduating-2017

Topic of Dissertation- Sustainable Blue Economy and International Legal Regime

Area of Interest- Research Organization / Litigation



Name- Drishti Tiwari

Academic Qualification-B.A.LL.B.(Hons.) Spz. Energy Law

Institution- School of Law, University of Petroleum and Energy Studies, Dehradun

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Topic of Dissertation- Energy Transition With Reference To Decentralized Mini Grids

Area of Interest- Litigation / Corporate in-house



Name- Jyoti Yadav

Academic Qualification- B.A.LL.B.

Institution- LLOYD LAW COLLEGE, NOIDA

Year of Graduating-2021

Topic of Dissertation- Wildlife Tourism: Framework to Conserve Wildlife

Area of Interest- Litigation & Research Work



Name- Kunal Karan

Academic Qualification- Bachelor of Arts(Honours) History; Bachelor of Law (LL.B); Post Graduate Diploma- Environment Law & Policy (PGDELP)

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Year of Graduating-2022

Topic of Dissertation- Efficacy of Constitutional Regime for Environment Protection in India

Area of Interest- Private Limited Company, Research Organization



Name- Meghna Sharma

Academic Qualification- BBA LLB

Institution- SYMBIOSIS INTERNATIONAL UNIVERSITY

Year of Graduating-2021

Topic of Dissertation- Environment Impact Assessment in India: An Analysis of Compliance and Post-Clearance Monitoring

Area of Interest- Litigation



Name- Mranal Sharma

Academic Qualification- B.A. LL.B. (Hons.)

Institution- National Law University and Judicial Academy, Assam

Year of Graduating-2022

Topic of Dissertation- Chemical Disaster Management in India: Identifying policy Challenges and furthering disaster risk reduction

Area of Interest- Research/Think Tank & Corporate, Consultancy



Name- Parisha Vishnoi

Academic Qualification- B. Com (Hons.), Advanced Diploma in German Language, LL.B., Post Graduate Diploma in Environmental Laws and Policies, LL.M., MA (Criminal Law and Forensic Science)

Institution- Law Centre-1, Faculty of Law, University of Delhi

Year of Graduating-2022

Topic of Dissertation- Wastage of food at social gatherings

Area of Interest- Litigation and Research



Name- Paritosh Bisen

Academic Qualification- B.A. LL.B (Hons.)

Institution- Hidayatullah National Law University

Year of Graduating-2021

Topic of Dissertation- Understanding the path to Energy Security through Non-Proliferation – A Legal Analysis of Nuclear Regime

Area of Interest- Litigation



Name- Parul Sharma

Academic Qualification- Bba. Llb

Institution- School of law , Guru Gobind Singh Indraprastha University.

Year of Graduating-2022

Topic of Dissertation- Governance challenges in Decarbonisation efforts in road sector.

Area of Interest-Corporate law.



Name- Priyabratt Kumar

Academic Qualification- B.Tech, LL.B.

Institution- Law Centre 2, Faculty of Law, University of Delhi.

Year of Graduating-2022

Topic of Dissertation- Women representation in environmental decision making: An analysis of Environment Protection Act 1986(as executive body) and National Green Tribunal Act 2010 (as judicial body).

Area of Interest- Litigation and Think tank



Name- Rananjay Aswal

Academic Qualification- B.A.LLB (Hons.)

Institution- School of Law, Ansal University, Gurugram

Year of Graduating-2022

Topic of Dissertation- Critical Analysis Of Wildlife Protection, Conservation, And Management In India: A Case Study Of Cheetah Relocation

Area of Interest- Litigation, drafting, environmental consultancy



Name-Sabeeha Ali

Academic Qualification- B.A. LL.B (H.)

Institution- Jamia Millia Islamia

Year of Graduating-2021

Topic of Dissertation- Rethinking Conventional Development Paradigm: A just transition Approach towards India's Energy Sector

Area of Interest- Research Organization



Name- Shivangi Vashishta

Academic Qualification- B.A. (Hons) Economics'15, B.A. LLB'20

Institution- Both from University of Delhi, Campus Law Centre, Faculty of Law, University of Delhi

Year of Graduating-2020

Topic of Dissertation- Climate Change, Gender And Governance

Area of Interest- Research, Litigation, Consultancy



Name- Shubham Sharma

Academic Qualification- B.A.LL.B.

Institution- LLOYD LAW COLLEGE, NOIDA

Year of Graduating-2021

Topic of Dissertation- Wildlife Clearances: Do National Board of Wildlife actually serve the objective of protecting the protected areas.

Area of Interest- Research & Writing



Name- Sparsh Peter

Academic Qualification- LL.B.

Institution- Law Centre-1, Faculty of Law, Delhi University

Year of Graduating-2022

Topic of Dissertation- Urban Drainage: A Governance Perspective

Area of Interest- Litigation and Research



Name- Sufiyan Khan

Academic Qualification- BA.LL.B (Gold Medalist)

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Year of Graduating-2022

Topic of Dissertation- Wildlife crime and Animal Rights

Area of Interest- Research Organisation



Name- Sushree Sunanda Sahu

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Institution- Damodaram Sanjivayya National Law University, Visakhapatnam

Year of Graduating-2021

Topic of Dissertation- Dichotomy Between Development and Environment Protection: A Study of the Bharatmala Pariyojana

Area of Interest- Litigation and Research work



Name- Vanita Awasthi

Academic Qualification- BA.LLB (Hons.)

Institution- Chanakya National Law University, Patna

Year of Graduating -2018

Topic of Dissertation- Soil Conservation: Criticality, Approaches, Fallacies and Prospects

Area of Interest- Litigation, Research organizations, Corporate think tanks



Name-Yamini Rajora

Academic Qualification- B.Sc., LL.B. (IP Law Honours)

Institution- National Law University, Jodhpur

Year of Graduating-2017

Topic of Dissertation- Invasive Alien Species: Policy and Legal Framework in India vis-à-vis Global Scenario

Area of Interest-Research Organization/Think Tank



Name- Yash Sharma

Academic Qualification -B.tech, LLB

Institution -Faculty of Law, Delhi University

Year of Graduating-2021

Topic of Dissertation -Law And Policies Relating To Protection Of River Ganga: Critical Analysis

Area of Interest -Research Organisation

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