





B.A. (Hons.)
Environmental
Studies



JGU O.P. JINDAL GLOBAL UNIVERSITY

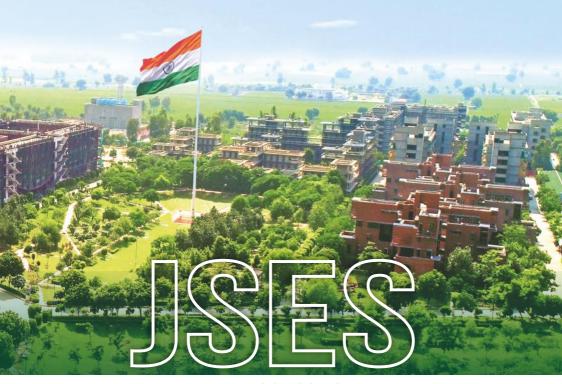
O.P. Jindal Global University (JGU) is a non-profit global university established by the Government of Haryana and recognised by the University Grants Commission (UGC). JGU was established as a philanthropic initiative of its Founding Chancellor, Mr. Naveen Jindal in memory of his father, Mr. O.P. Jindal. JGU is one of the few universities in Asia that maintains a 1:9 faculty-student ratio and appoints faculty members from India and different parts of the world with outstanding academic qualifications and experience. JGU is a research intensive university, which is deeply committed to its core institutional values of interdisciplinary and innovative pedagogy; pluralism and rigorous scholarship; and globalism and international engagement.

JGU has established nine schools: Jindal Global Law School (JGLS), Jindal Global Business School (JGBS); Jindal School of International Affairs (JSIA); Jindal School of Government and Public Policy (JSGP); Jindal School of Liberal Arts & Humanities (JSLH); Jindal School of Journalism & Communication (JSJC); Jindal

School of Art & Architecture (JSAA); Jindal School of Banking & Finance (JSBF) and most recently, the Jindal School of Environment & Sustainability (JSES). JGU has been granted with "Autonomy" by the University Grants Commission and the Ministry of Human Resource Development, Government of India, for receiving the "A" Grade from the National Assessment and Accreditation Council (NAAC). This makes JGU the only private university in the state of Haryana and one of the only two private universities in India to be given. the status of autonomy.

JGU has made history by breaking into the QS World University Rankings 2020. We are also the only Indian private university in the top 150 'young' universities in the world (under 50 years of age) in the QS Young University Rankings 2020. JGU is the youngest University in the world to feature in both these rankings. In September 2019, JGU was selected as an 'Institution of Eminence' (IOE) by the Government of India, making JGU one of only eight private universities in India to be awarded this status.





JINDAL SCHOOL OF ENVIRONMENT & SUSTAINABILITY

In this year 2020, we face an increasing array of environmental challenges that require greater levels of innovation and collaboration among industry, government, academics and communities. Jindal School of Environment and Sustainability (JSES) hopes to lead the world (India/Asia/Global South) toward a sustainable future with cutting-edge teaching, research and practice-based engagement. The School will develop a strategic plan that builds a sustainable future in this extraordinary time. Through national and international collaborations, JSES will promote interdisciplinary studies, joint teaching and research programmes, and a comparative perspective on environment and sustainability issues.

In the academic year 2020-21, JSES will offer:

- Summer school,
- Undergraduate (BA in Environmental and Sustainability Studies);

In the near future, JSES will integrate **Study Abroad; Postgraduate** (Master of Environmental and Sustainable Development, Mater of Environmental Legal Studies, Master of Environmental management/Sciences and policy); **Doctoral programme** (Doctor of Philosophy in Environment and Sustainability)





MESSAGE FROM THE DEAN

DR. ARMIN ROSENCRANZ

A.B. (Princeton University); J.D.; M.A. & Ph.D. (Stanford University)

DEAN & PROFESSOR, Jindal School of Environment & Sustainability

Welcome to the Jindal School of Environment and Sustainability. Environment and Sustainability is an evolving discipline that covers many aspects of our daily lives. A primary goal of the Jindal School of Environment And Sustainability is to offer undergraduate students a concentration in environmental studies with an opportunity to explore how humans interact with the environment, including physical, biological, philosophical, social and legal elements. This includes forests and other public spaces, land use, all forms of energy, climate change, air, water and toxic chemical pollution, wetlands and delta management, transport and transport fuels, sustainability, environmental crimes, biodiversity and wildlife protection, food security, urban environmental issues, natural resources conservation and management, corporate social responsibility, environmental justice, and norms of international environmental law and policy.

By attracting internationally qualified faculty members and pooling together interdisciplinary scholars under a single school, JSES is positioning itself as a producer of knowledge and shaper of careers in environment and sustainability.

ABOUT THE DEAN

Armin Rosencranz, the dean of the Jindal School of Environment and Sustainability, was educated at Princeton (AB-arts bachelor) and Stanford (LL.B; MA and PhD in political science).

At Stanford he had several roles, including student body president, faculty resident in an undergraduate dorm, faculty member and Stanford trustee. He taught energy and climate for many years at Stanford with his late colleague Steve Schneider, with whom he co-edited two books on climate change policy. He taught Environmental and Natural Resources Policy and Law to Stanford undergraduates for 20 years. His courses were cross-listed in ten different departments, including history, political science, human biology and earth systems. He received three student-nominated awards for teaching excellence, including "teacher of the year."

Earlier in life, Armin was a staff member of President Johnson's secret task force on government organization. He also conducted a set of hearings on urban problems for then-Senator Robert Kennedy. He founded Pacific Environment, an international environment NGO, in 1987, and led it for a decade. He was a member of Barack Obama's energy and environment advisory group in 2008.

Armin also taught Climate, Energy and Global Environmental Law at Boalt Hall - UC Berkeley, Golden Gate Law School and Georgetown Law School before teaching these same subjects at Jindal from 2014 onward. Armin has been an Indianist for more than 30 years, and has taught at four Indian law schools. His co-authored book, Environmental Law and Policy in India, is the standard book on the subject in India. He has received five Fulbright awards, including two to India

AIMS & OBJECTIVES

The environmental studies programme must be able to educate about the long-term human prospect of environment and sustainability. It must enable students to understand politics and policy. The School must commit to the goals mentioned below:

- 1 Meet the environmental needs of the 21st century.
- Onstitute a diverse faculty, students and partnerships.
- Offer a transdisciplinary approach to teaching and learning (effectively address environmental issues by integrating perspectives from the natural sciences, the social sciences, and the arts and humanities).
- Apply scientific methods to collect environmental data and evaluate environmental guality.
- Explore policy, regulation, law and governance of environmental issues.
- Invest in building environmental scholarship and environmental leadership.
- Contribute to global and local sustainability challenges.



WHY B.A. (HONS.) IN ENVIRONMENT & SUSTAINABILITY

JSES offers a three-year BA (Hons.) in Environment and Sustainability with a possible specialization of student's choice within a wide pool of electives offered at JGU. JSES graduates must be able to understand the interrelation between the environment and society; to consider environment problems from a global perspective and take a local approach to solving them; to gauge the implications of decisions related to environmental policy. The program will consist of student-initiated projects that put theory into practice with real-world impact. The environmental and sustainability studies programme will address:

- History and Philosophy of Science
- Basic biology related to Environment and Sustainability
- Biodiversity (Flora and Fauna)
- Air, Food, Water, Forest and Marine life
- Environmental science and natural resources management
- Environmental justice
- Environmental Law & policy
- Environmental Governance
- Climate change
- Energy and technology
- Cities, urban planning and the built environment
- Migration and livelihood
- Biodiversity Conservation and restoration
- Community empowerment
- Human-environment interactions
- Sustainable Business



COURSE STRUCTURE





ILAII

- Introduction to Ecology
- Introduction to Human Environment Interaction
- Introduction to Climate Change
- Introduction to Environmental Regulation
- Introduction to Forest and Wildlife

SEMESTER- 2

- Biodiversity
- Global Environmental Policy & Law
- Controlling Climate Change in the 21st Century
- Introduction to Water Law
- Wetlands

2[™] YEAR

SEMESTER- 3

- Globalization, Labor & Environment
- Energy Science & Technology
- Sustainable Food & Agriculture
- Hydrogeology

SEMESTER- 4

- Race, Poverty & Environment
- South Asia: Environment, Development & Security
- Dirty Politics: Regulating Hazardous Chemicals & Wastes
- Environmental Justice

3rd YEAR

SEMESTER- 5

- Oceanography & Marine Biology
- Communities & Ecosystems
- Coral & Sea Level
- Science & Politics In Environmental Decision-making
- Forest Ecosystems & Management

SEMESTER- 6

- Geochemistry: Understanding Earth's Environment
- Introduction to Urban Studies: Shaping & Living the city
- Introduction To Native Peoples & Sustainability
- Environmental Ethics

CROSS REGISTERED **ELECTIVES AT JGU**

Applied Econometrics	Behavioural Economics	Brand Management	
China's Foreign Policy	Communication Skills in English	Compensation & Benefits	
Creating a Start Up: Idea to Launch	CSR, Governance & Development	Design Thinking	
Doing Business in China	Emerging Technology: Impacts on Policy, Law & Business	Entrepreneurship & Opportunity	
Environmental Management & Green Marketing	EU & Approaches to New Technology	Global Citizenship & International Understanding	
Governance of Artificial Intelligence and Blockchain	Happiness at workplace	Law & Practice in United Nation	
Moral Rights in the Digital Era	Negotiation, Mediation and Arbitration	Organization Development and Management of Change	
Political Economy of Public Policy	Psychological Assessment at Workplace	The Evolution of the European Project	

LEARNING **OUTCOMES**

- Learning the basic theories of environmental studies.
- To learn the philosophy behind environmental studies and different movements related to environment.
- To appreciate the various existing theories related to environmentalism.
- Ensuring that students from diverse backgrounds (including differently abled students and students from disadvantaged backgrounds) get a level playing field for their academic endeavours.
- To learn the environmental ethics so that the practical application of students produces some benefit for the society.
- Understanding the economic, cultural and political factors behind the environmental and sustainability issues.
- Appreciating the global nature of environmental and sustainability issues so that they can be applied contextually at all levels including global, national and local.
- Learning the skills required to do critical analysis, qualitative analysis, quantitative analysis and problem-solving exercises for environment,
- To get inter-disciplinary knowledge from other schools of JGU through cross-electives to get a better holistic academic training.
- To learn the skills required for the evauluation of environmental policies.



WHAT COMES AFTER **JSES**

- Real exposure to different opportunities for tackling various environmental, social and ecological issues of the world.
- A critical self-reflection of their roles to tackle the problems related to ecological balance and applying them as responsible citizens of this planet.
- Application of the concepts and methodologies learnt to tackle environmental issues.
- Working with plethora of NGOs at a practical level for conservation of the environment
- Working with various think-thanks to apply their academic learning at a theoretical level for the betterment of the environment.
- Further studies at some world class universities abroad including Ivy-League Universities to further their academic career.
- Using their degree in environment as a foundation for their other careers including law, bureaucracy, etc.



JGU FACULTY PROFIL F



PROF. (DR.) VESSELIN POPOVSKI Professor, Vice Dean and Executive Director, Centre for the Study of United Nations

B.A., M. A., (Moscow State Institute of International Relations): Post-Graduate Diploma European Law (King's College London); M.Sc. (L.S.E., London): Ph.D. (King's College London)



PROF. JUSTICE SWATANTER KUMAR

Distinguished Jurist Professor of Law and Justice Former Chairperson of National Green Tribunal

B.A. LL.B. (Punjab University)



PROF. (DR.) CHARU SHARMA

Associate Professor & Associate Dean (Student Initiatives) and Executive Director, Centre for Environment and Climate Change

B.Sc., LL.B., LL.M. (Delhi University): Ph.D. (Macquarie University, Australia)



PROF. (DR.) MIMI ROY

Associate Professor & Assistant Dean. International Collaborations

B.S. (University of Calcutta); M.S. (Presidency University); M.S., Ph.D. (West Virginia University)



PROF. AMIT I AHIRI

Chief Sustainability Officer (JGU). Associate Professor (IIHEd), Founding Executive Director (CECRAS)

Masters in Environmental Studies (York University, Canada) Graduate Diploma in Sustainability (S.S.B., Canada) M.Sc. in Life Sciences (Bombay University, India)



PROF. (DR.) ANNIKA BOSE STYCZYNSKI **Associate Professor and Assistant Dean**

(Research & International Collaborations) B.A.: M.A. (Europa Universität Viadrina):



PROF. (DR.) TARINI MEHTA

Assistant Professor

Ph.D Environmental Law (Pace University): Master's Degree-Law (University of Cambridge) Bachelor's Degree-Law (University of Warwick) Bachelor's Degree-Philosophy (University of Delhi)



PROF (OR) ARMIN ROSENCRANZ

Dean & Professor, Jindal School of **Environment & Sustainability**

A.B. (Princeton University): J.D.; M.A. & Ph.D (Stanford University)



PROF. GUDMUNDUR EIRIKSSON

Professor & Executive Director. Centre for International Legal Studies, JGLS and Advisor, International Office and Global Initiatives

B.A., B.S. (Rutgers); LL.B. (Hons.) (King's College London); LL.M. (Columbia University)



PROF. (DR.) COSMIN CORENDEA

Associate Professor

J.D. (Faculty of Law. Ecological University): PG Studies (National School for Political & Administrative Studies, Romania); LL.M. Cum Laude (St. Thomas University, Miami): S.J.D. (Golden Gate University, San Francisco)



PROF. KSHITIJ BANSAL

Assistant Professor

B.A. LL.B. (Hons.) (RGNUL, Punjab); LL.M. (University of Barcelona)



PROF. (DR.) SRIROOP CHAUDHURI

Associate Professor (Environmental Studies & Geospatial Modeling) Co-Director, Center for Environment, Sustainability & Human Development (CESH)

B.Sc., M.Sc. (Calcutta University); MS and Ph. D. (West Virginia University, USA)
Post-Doc (Texas A&M University, USA)



PROF. (DR.) TONY GEORGE

Associate Professor

B.A.L.: B.A. LL.B. (Kerala Law Academy College, Trivandrum); LL.M. (University of Kerala); M.Phill. (WBNU.IS. Kolkata): LL.M.: Ph.D (Dalhousie University, Canada)



PROF. ARNAB BOSE

Assistant Professor

B.A. (University of Delhi); M.A. (Jawaharlal Nehru University, New Delhi); MBA (Amsterdam Business School): Ph.D. (O.P. Jindal Global University)



PROF. (DR.) GOVIND SINGH

Assistant Professor

Ph.D. in Environmental Studies (University of Delhi) M.Sc. (Department of Environmental Studies, University of Delhi) B.Sc. (Dval Singh College, University of Delhi)



PROF. FESHAN CHATURVEDI

Assistant Professor

BB.A. LL.B. (Symbiosis Law School) LL M (Stanford Law School)



MR. HARSH VARDHAN BHATI

B.A. LL.B. (Hons.) (O.P. Jindal Global University); LL.M. (Lewis & Clark Law School)



MR. SIDDHANTH PRASAD

LL.B. Hons. (University of Edinburgh): LL.M. (University of Cambridge)



INTERNATIONAL BOARD OF ADVISORS



MR. NICK ROBINSON

BA Brown University JD. Columbia University School of Law

Professor of Law. University Professor on the Environment and Gilbert and Sarah Kerlin Distinguished Professor of Environmental Law Emeritus; Co-Director, Global Center for Environmental Legal Studies, Elisabeth Haub School of Law at



MR. JUSTICE MICHAEL D. WII SON

ID David A Clarke School of Law: Bachelor's Degree, University of Wisconsin-Madison

Associate Justice, Supreme Court of Hawaii



MS. DEEPA BADRINARAYANA

B.A., LL.B., National Law School of India University, Bangalore, India LL.M., Pace University School of Law S.J.D., Pace University School of Law

Professor, Dale E. Fowler School of Law, Chapman University



MR. M.C. MFHTA

Post-Graduation and Law degree from Jammu University

Public Interest Environmental Lawyer, Supreme Court of India



MS. LAVANYA RAJAMANI

LLM. Yale University. D.Phil and BCL, Oxford University, B.A.LL.B. (Hons.), National Law School, Bangalore

Professor of International Environmental Law University of Oxford



MR. SHYAM DIVAN

B.Com and LL.B. University of Mumbai LL.M..University of California. Berkeley

Senior Advocate, Supreme Court of India



MR MICHAFI RITIMM

LL.M., J.D., National Law Center, George Washington University, Washington, D.C. B.A., Williams College, Williamstown, Massachusetts

Jeffrey Bain Faculty Scholar and Professor of Law Lewis & Clark Law School, USA



MR. NAVROZ K. DUBASH

MA and Ph.D, University of California, Berkeley, and AB. Princeton University

Professor, Centre for Policy Research, India



Mr. Naveen Jindal, Founding Chancellor, O.P. Jindal Global University, Dr. Bhure Lal, IAS (Retd.), Chairman, Environment Pollution (Prevention and Control) Authority, Mr. Vijay Kumar Dev, IAS, Chief Secretary, Government of NCT of Delhi, Professor (Dr.) C. Raj Kumar, Founding Vice Chancellor, O.P. Jindal Global University during the Consultation on 'Air Pollution in Delhi NCR: What Can Be Done?' on 22nd December 2018 at NTH Complex, New Delhi.

DEBATE SOCIETY

The adrenaline rush at the sight of a podium, the sheer love for arguing, the camaraderie within a team, the passion to learn and win, and the innumerable stories embedded in our memories with every passing debate, is what the Jindal DebSoc promises to offer year after year. With a greater level of spontaneity in speeches and emphasis on matter and the skill of fleshing out arguments over manner, the Jindal DebSoc provides a platform to find safe place on campus.

JGU MUN

A Model United Nations conference is a simulation of the proceedings that take place at the headquarters of the United Nations in New York, USA. It is an internationally recognized activity, and regarded as a form of enriching JSIA students with experiences in public speaking and diplomacy. We seek to bring together participants to debate on pressing international issues, express views and intriguing ideas to tackle global conflicts and forge friendships along the way.

HUMAN RIGHTS SOCIETY

Human rights are the fundamental rights one has for survival and dignity. The Human Rights Society, over the years worked primarily through grassroots activism and spreading awareness about the systemic oppression faced by millions of people around the world. We've actively worked in areas of child labor and workers' rights.

We brought Renegades – a rock concert with a cause, Monkey Speak – a free speech magazine facilitated by students, Bal Adhikar Sabha – a round table conference on child rights, juvenile justice, Right to Education and advocacy for the rights of children with disabilities, research work on Right to Education and much more.

DIPLOMANIA SOCIETY

JSIA has established a unique academic initiative – Diplomania, which is the first International Relations Society of O.P. Jindal Global University. It focuses on opportunities and challenges in contemporary International Relations. Since its establishment in the year 2018, Diplomania has organised two successful International Youth Conclaves.

SOCIAL SERVICE SOCIETY

The Social Service Society, conceived in 2009, has come a long way since its inception. We have grown from having one program teaching children of construction workers – to running numerous activities simultaneously, both on and off campus, open to all of the JGU students and faculty community. We are an open society that is committed to ensuring that as many people as possible can benefit from our privilege. Our initiatives include teaching children at the Balgram orphanage, the children of the Sodexo staff, and the children at the Rohat primary and secondary school. We also help the members of the Tulip labor colonies with their problems, and the members of the Rohat village with issues relating to governance.



JGU BOOK CLUB

The JGU Book Club is a two-year-old initiative. It has evolved under the mentorship of Professor Nisha Nair. It is an exclusive society for avid readers. It provides a platform for all intellectual minds to come together in evenings of pure imagination. If reading is one's passion, then one can mingle among its kind. As a society that aims at reviving the exquisite and dying culture of reading in JGU also received the prize for The Most Promising New Student Initiative award at University Day'16.

THE ENVIRONMENT SOCIETY

The Environment Society aims at making JGU, a green campus. We wish to initiate sustainable alternatives on campus to achieve our goal. In addition to that, we will be working towards creating a sense of awareness with respect to human impact on the environment and thereby change the attitude of students towards sustainability.

ACADEMIC WRITING SOCIETY

The Academic Writing Society (AWS) is established with the intention of promote quality academic writing amongst the students of JGU and to promote reform in the style of writing with a view to deliver publishable articles. The aim of AWS is to serve as a bridge between the ideas of the students and channel them by providing assistance in both style and substance. AWS will have specific days in a month when guided response will be handed to students registered with the AWS. The primary objective of AWS is to promote dialogue among key issues and cater to the ideas of students with a view to deliver publishable material.

JGU SPORTS SOCIETY

The JGU Sports Society strives to inculcate a strong sporting spirit on campus. It works to promote the sporting culture and promote participation in various sports festivals throughout the country. The main objective of the society is facilitating sportspersons on campus to achieve their full potential and to provide a recreational outlet for all students that lays outside a classroom.

JGU THEATRE SOCIETY

The JGU Theatre Society strives to make a change. The society combines the creative ideas and abilities of all its members to achieve maximum efficiency. Theatre is one of the higher cultural activities that marks us as imaginative and creative.

APERTURE, JINDAL PHOTOGRAPHY & VISUAL ARTS SOCIETY

Welcome to The Jindal Photography and Visual Arts Society. With a new year, a new vision and the same drive and enthusiasm to promote participation and enjoyment of photography in a good humored, relaxed and supportive environment, JPVAS welcomes students of all ages and aptitude, with the society's current members including photographers from across a vast spectrum of ability, from amateurs to professionals. With an aim to help one another, learn more about photography by meeting and discussing the art with like-minded individuals, developing practical photographic skills and techniques, discussing composition and others through practical sessions and critique sessions the society believes in taking advantage of photographic opportunities as they arise and making a lesson out of them.









University hall of residence for students consists of several blocks of buildings designed by a French architect. University has:

- 24x7 health center with medical officer.
- Center for wellness and counselling.
- Washex hospitality solutions.
- 24x7 Security.
- State of the art sports facility includes badminton, tennis, basketball courts, cricket ground, football, volleyball, swimming pool, indoor games, gymnasium, yoga & aerobics.
- Multi-cuisine dinning facility.
- Fully functional branch of ICICI bank with ATMs (ICICI bank and others) on several locations.
- Post office extension/courier office.





A world class food court - Biswamil Bistro reflects the global aspirations and local traditions of JGU. Outlets at this food court are providing multi-cuisine options through brands such as Dominos, Subway, Keventers, Punjab Grill, Bercos, 34 Chowreengee Lane, Breakfast Round the Clock, Moti Mahal, etc.

ILD SALES	UTHER FACILITIES	
CAFÉ COFFEE DAY TUCK SHOP	AMUL ICE CREAM PARLOR	LOOKS TAILORING HOUSE
JUICE & MORE TUCK SHOP	CHAI TAPRI	NATIO BEAUTY PARLOUR
EVER FRESH JUICE SHOP	CONVENIENCE STORE	JUST LOOK MEN'S SALON

NESTLE TUCK SHOP

WELLNESS PHARMACY

SPECIFICATIONS

Programme	B.A. (Hons.) Environmental Studies			
Course Duration	3 Years			
Eligibility Criteria	■ Applicants to B.A. (Hons.) programme at JSES must have successfully passed the examination at the 10+2 level of schooling or its equivalent, Candidates will be selected through a holistic admissions process conducted over three rounds based on a personal statement, supplemental question, X and XII Grade Marks, Faculty Interview and at par JSAT/SAT/ACT score.			
	■ Students completing grade 12 th in 2020 can also apply.			
Accepted Standardized Tests or Competitive Examinations	JSAT / SAT / ACT			
JSAT Weightages	English Verbal – 40% Logical Reasoning – 40% Quantitative Skills – 20%			
Application Fee	₹ 3,000/-			
Programme Fee	₹ 3,00,000/- per annum*	Residential Fee	₹ 2,50,000/- per annum*	
Refundable Security Deposite	₹ 50,000/-**			

^{*}The programme fee and residential fee are subject to an annual increase of upto 10%.

ADMISSION PROCEDURE

Applicants for the B.A. (Hons.) Environmental Studies at JSES can apply direct through our online admission form available at our website. Kindly scan QR code / follow URL to visit our admission page.



1 https://admissions.jgu.edu.in



Scan the QR code to visit admission page

EDUCATION I DANS

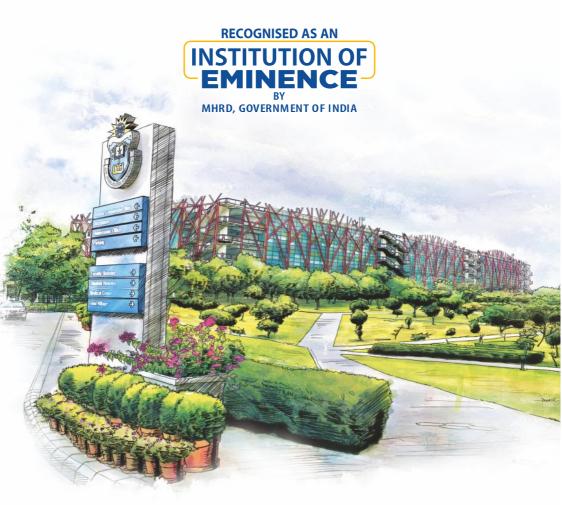
JGU has established tie-ups with AVANSE (ICICI), Dena Bank and Credila (HDFC) to facilitate educational loans for students who are admitted to the B.A. (Hons.) Environmental Studies.

SCHOLARSHIPS

O.P. Jindal Global University awards Merit cum Means Scholarships (MCM) every year. The MCM Scholarship covers the tuition fee only. Scholarship applications will be opened by the University by 1 April and will be awarded to eligible students in July. The eligibility criteria includes annual family income, XII board score, JSAT or standardized examination results and faculty interview score. Weightage will also be given to curricular and non-curricular achievements.



^{**}Fully refundable Security deposit of Rs. 50,000 shall be collected at the time of admission as per university rules.





O.P. Jindal Global University

A Private University Promoting Public Service

















For admission, contact: Mr. Anish Dhiman Assistant Director (Admissions & Outreach)

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JGU - An Initiative of Jindal Steel & Power Foundation

THE YOUNGEST UNIVERSITY IN THE WORLD TO BE RANKED IN

TOP 150 IN THE WORLD QS YOUNG UNIVERSITY RANKINGS 2020



