



AMITY
UNIVERSITY
— HARYANA —

NAAC 'A'
GRADE
ACCREDITED UNIVERSITY

REPORT ON SUSTAINABLE DEVELOPMENT GOAL

17 PARTNERSHIPS
FOR THE GOALS



YEAR 2021-22



PREAMBLE

Amity University Haryana is built on a foundation which embodies all the qualities that have made Amity institutions world-class over the last two decades. It has instituted global standards in education, training and research with state-of-the-art infrastructure and the latest teaching methodologies. With industry-integrated curricula and collaboration with academic institutions, NGOs and Research Labs; the University trains future leaders of the corporate world by blending modernity with tradition in each of its students.

Relationship to Support the Goals

Amity University Haryana is a research and innovation driven university. It has developed strong relationships with Academic Institutions for conducting research in terms of joint Ph D and working on research projects. Presently, AUH faculty members have collaboration with Div. of Pathology, Gola, Khiri, UP, National Brain Research Centre, Manesar, ICGEB, New Delhi, Department of Applied Chemistry, Delhi Technological University, Regional Centre for Biotechnology, Researcher, Molecular Oncology Lab. Shemyakin-Ovchinnikov Institute, Dpt. of Bioorganic Chemistry, Russian Academy of Sciences, NIPGR, New Delhi, Ulster University to name a few. There are research projects funded by DBT, DST, MNRE, ICMR, Global Affairs Office. Yuan Ze University, Ministry of Textiles, Central Sanskrit University to name a few wherein faculty members have collaborated with researchers from India and abroad.

The faculty members and students are involved in clean energy research which are funded by different Government & Non- Government Agencies viz. Sustainable use of unconventional fibers of Indian Himalayas for Agro Textiles (funded by Ministry of Textiles), Development of Novel metamaterials using nanoferrite composites for microwave absorber application (funded by SERB), Metal Complexes of cyclic N-donor ligands for electro-/Photo-catalytic reduction of Carbon dioxide (funded by DST-Haryana), Green-synthesized nanoparticles



Fig 1: Nutrition Awareness program at Fazalwas village



Fig 2: Meeting with Gwalior villages Sarpanch for conducting developmental work under UBA



Fig 3: Meeting with Gwalior villages Sarpanch for conducting developmental work under UBA

dispersed liquid crystals for display applications (funded by SERB-SURE), Development of High-resolution future climate scenarios for the NCR region under climate change and urbanization (funded by SERB-SURE) and Development of Nanomaterials for High Density Application (funded by Global Affairs Office, Yuan Ze University) amounting to Rs. 20203948.

AUH is recognised by National Institute of Solar Energy as a training partner for Suryamitra Skill development program. The objective of this skill training program is to create manpower for the solar industry. A skill

development program "Integrated approach in science technology and skilling for sustainable future" funded by DST Haryana is also conducted at AUH.

Amity University Haryana is recognised as a Partnering Institution for the Unnat Bharat Abhiyan, a flagship program of the Ministry of Education. Five villages have been selected to conduct developmental work in the field of renewable energy, mental and physical health, skill development and entrepreneurship.



Fig 4: Epilepsy Awareness program at Gwalior village



Fig 5: Solar Training at Fazalwas Village under UBA

Publication of SDG Reports

No Poverty

Eradicating extreme poverty for all people everywhere by 2030 is a pivotal goal of the 2030 Agenda for Sustainable Development. As per reports, extreme poverty, defined as surviving on less than \$2.15 per person per day at 2017 purchasing power parity, has witnessed remarkable declines over recent decades.

AUH has played an important role in eradicating poverty by providing quality

education to students from all economic strata. It has created a culture of Service before self and students are engaged in transferring knowledge to kids from the slums and also help them by providing books, clothes and food. Military training camps are conducted regularly for all students of AUH to train them for the future requirements, to make them responsible citizens. Skill development training programs for staffs, lab assistants are conducted to enhance their knowledge and equip them with the skills that are required for sustaining in the ever changing economy.



Fig 6: Skill Development program organized for non teaching staff at AUH

Zero Hunger

As emphasized by the Food and Agriculture Organization of the United Nations, "Wasting less, eating better and adopting a sustainable lifestyle are key to building a world free of hunger. The choices we make today are vital for a secure future of food."

At AUH the students undergo a week long orientation program wherein they are exposed to the culture of Zero Food Waste.

There are student clubs who are involved in creating awareness among the mass regarding sustainable environmental practices. Agriculture is an integral part of AUH. Amity University Haryana houses a full fledged Herbal garden, Agrivoltaic plant, Go-Shala (Cow Shed) and farmland where all seasonal vegetables are grown. This helps students in learning the sustainable agri-technology.



Fig 7: Herbal Garden at AUH supported by Ministry of AYUSH



Fig 8: Agrivoltaic plant at AUH developed by faculty members in association with local farmers.

Good Health and Well Being

Amity University Haryana is continuously working for the betterment and upliftment of the community by conducting several social awareness programs and activities to serve the society. Paramedical professionals are indispensable pillars of global healthcare, contributing their expertise and dedication to enhance patient care and outcomes. Student's graduating from Amity Medical School of Amity University Haryana in various domains of health and allied sciences are specialized in vocational domains like Nutritionists, dieticians, optometrists, audiologists, speech language pathologists, nurses, and medical lab technologist. Considering research being an integral part of health care systems, there are many other courses offered by AMS like clinical research, public health, and stem cell technology, which could provide a strong assistance to practicing doctors and surgeons. Students also opt for Hospital Administration after successful completion of master's in public

health. All these courses help in producing many allied health professionals who can make a strong and lasting impact on the healthcare ecosystem. Recognizing and valuing their vital role is crucial for building a stronger and more comprehensive healthcare system worldwide. The University is meaningfully contributing to the SDG-3, Good Health and Wellbeing through following measures:

- Extension, Educational and Outreach Events
- Linkages with various hospitals, corporates, NGO's, wellness sector and organizations are the initiatives taken to collaborate not only for placements but also to conduct mass drives such as blood donation camps, first aid trainings etc.
- Faculty of Health and Allied Sciences have many collaborations with local, national, and international levels for prosperity of a Medical and paramedical educational institute.



- The Academic curriculum is designed in such a way which helps the students to grow professionally and achieve the skills required at their workplace. The industry integrated curriculum helps the students to receive hands-on training and interaction with the industry experts.
- Faculty of Health and Allied Sciences organizes the events which are led by students such as rallies, role plays, skits, and camps. The rehabilitation programs are organized through tele and video consultations. Other educational events are organized as webinars, panel discussions, and live videos.

Amity University with basic objective to create social awareness amongst the students. A "DIET CLINIC" is a remarkable initiative in the direction of overall health and wellbeing taken by the Department of Dietetics & Applied Nutrition in which free diet counselling is being given to various inmates including faculty, staff and students of the university on regular basis to keep them aware about the healthy lifestyle and its impact on overall health and wellness. Additionally, Free eye checkup and hearing test is also offered at Amity University by concerned departments.

Outreach initiatives are being carried out at



Quality Education

Sustainable Development Goal 4 aims to ensure inclusive and equitable education and promote lifelong learning opportunities. UNESCO the world education leaders have been laying stress on environmental education; and promoting cultivation of the 21st century skills amongst students which encompasses three key domains: Learning, Literacy and Life skills for enabling individuals to lead fulfilling and balanced lives; crucial for success in the modern world as a well-rounded, adaptable, & socially responsible individuals.

At Amity University Haryana we contribute to SDG-4 through:

1. Teaching and learning activities.
2. Cutting edge research activities
3. Institutional practices
4. Various collaborations and partnerships with eminent national and international organizations and institutions.

Teaching and Learning Activities

Amity University Haryana is committed to providing quality education to the students and foster andragogical training to its faculty members. The various programs offered at various UG and PG levels are related to educating students on sustainability besides the core subjects. Value added courses, open electives provides students a holistic learning experience at AUH.

Research at AUH

Amity University Haryana strategic plan focuses on maintaining high quality research with substantial international, national, and local impact. The research conducted at the university gives impetus to address societal needs and create innovative intellectual property rights which can be used to cater to the sustainability goals of the rural and urban community.

The infographic features the Amity University Gurugram logo and a NAAC Grade A accreditation badge. It highlights three scientists: Prof. (Dr.) Indu Shekhar Thakur, Prof. (Dr.) Abul Thakur, and Dr. Kamal Kumar. Each scientist's name, title, and department are listed below their respective portrait.


AUH houses an air quality monitoring station established in collaboration with the Indian Institute of Tropical Meteorology (IITM-MoES), Pune. It has a centralized instrumental research facility which is created by funding from DST FIST program and other research funding awarded to faculty members by various funding agencies.

The infographic shows a laboratory setting with researchers in white coats. It features the CIRF logo and a grid of various scientific instruments. The text describes the facility as a central hub for research and interdisciplinary work, staffed by qualified personnel and available to students, industries, and other academic institutions.


Gender Equality

Education is a lifelong process that is vital to India's economic and social progress. Gender inequality is a factor which is a major factor affecting the sustainable development goals of a country. At Amity University Haryana, exclusion in education is created when gender overlaps with other disparities such as race, ethnicity, class, disability, and geography. There is no discrimination based on curriculum, learning materials, teaching

pedagogy, teacher education, management, administration, assessment, and monitoring and evaluation processes in the educational system at AUH. The HR policy followed at AUH, do not discriminate faculty or staff based on the gender. The hiring of faculty and staff is done based on merit only. At AUH to ensure that the education system supports gender-equitable experiences for all, targeted policies, practices, and research are conducted to maintain the holistic teaching learning experience at AUH.



on the occasion of
International
Women's Day



Amity School of Liberal Arts,
Amity University Haryana

ORGANIZING
PANEL DISCUSSION ON
GENDER EQUALITY TODAY FOR A SUSTAINABLE TOMORROW

8th March 2022 | 3:30 PM to 4:30 PM
VENUE: DLG 07, B-BLOCK BASEMENT

PANELISTS

Prof. Hemant Kumar Jha, Coordinator M.A. English, ASLA, AUH
Dr. Vinod Kumar, Assistant Professor, ASLA, AUH
Dr. Sapna Sharma, Assistant Professor, ASLA, AUH
Dr. Shradhanvita Singh, Coordinator Political Science, ASLA, AUH
Dr. Pooja Thakur, Coordinator History, ASLA, AUH

COORDINATORS

Dr. Supriya Sanju.
Coordinator, Amity Centre for Sanskrit and Indic Studies, Amity School of Liberal Arts

Dr. Abhishha Singh
Assistant Professor, Amity School of Liberal Arts

Clean Water and Sanitation

Amity University Haryana uses subterranean bore wells, to extract all the water required for domestic and drinking purposes on campus. Recycled water is used for irrigation, gardening, chiller plant cooling towers, and civil construction projects.

An overview of campus water consumption and management is provided below:

- 1. Water Source:** The university primarily relies on underground bore wells to extract water for domestic and drinking purposes on its campus. Water from these bore wells is stored in six underground water tanks, each with a capacity of 50,000 liters. The university extracts approximately 3 lac (300,000) liters of water daily from these bore wells.
- 2. Recycled Water:** In addition to bore well water, recycled water is used for purposes such as flushing, gardening, cooling towers for chiller plants, and civil construction projects. This is a sustainable

practice to reduce the demand on fresh groundwater.

- 3. Water Usage:** The university uses around 4 lakh (400,000) gallons of water each day, with the majority of this water coming from the bore wells. The total water usage includes water for domestic, drinking, and other campus needs.
- 4. Overhead Tanks:** The overhead tanks on campus are equipped with sensors that detect when water levels are low and automatically refill them with water from the bore wells. This ensures a continuous and reliable supply of water for the university's 6000 people, including staff, faculty, housekeepers, and students.

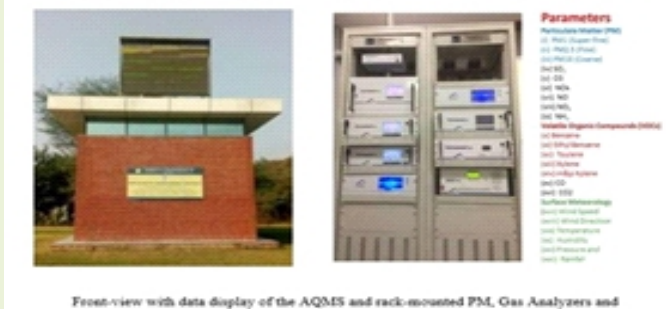
Efficient water management is crucial, especially in regions where groundwater resources are relied upon for daily needs. Monitoring water usage, promoting recycling, and installing water meters are all steps in the right direction to conserve and manage water resources responsibly.



Affordable and Clean Energy

The University is relentlessly contributing to transform the campus into a clean and green campus thereby contributing to the SDG 7 through following measures:

- Research, educational programs and collaborations focused on clean energy practices
- Green campus initiatives, measuring energy wastes & mitigation plan, energy efficient technology adoption
- Supporting Government of India in Renewable Energy policy implementation
- Integrating energy efficiency measures into University's policy framework
- Promoting energy conservation and energy efficiency through various outreach programs to local and regional community.



Community based research work in clean energy translation is one of the major initiative taken by AUH. Under Unnat Bharat Abhiyan, AUH has taken initiatives to educate people from villages regarding the sustainable energy sources and the innovative technologies.



Decent Work and Economic Growth

Amity University Haryana provides decent work space to all faculty, and staff. There are more than 200 non-teaching staffs who are employed from the local community. They are provided with skills training as per the job requirement. They are employed in different job roles based on their skill set starting from Lab Assistant, Office staff, Gardener, drivers, cleaning staff, and also for Operations & Maintenance of the university facilities. They are even provided on time salary, uniform and provided free medical facility on-campus in the AUH medical school. This has helped in improving the socio economic condition of people in the nearby five villages.

Industry Innovation and Infrastructure

Amity University Haryana, a research and innovation driven University, is truly committed to the cause of 'innovation and entrepreneurship'. The 'Vision' of Amity University Haryana (AUH) is *"to be a world class centre of creativity and innovation and to contribute to the progress of humanity through excellence in education, industry and*

society relevant research and extension services."

The University is committed in **integrating education with human values**, in pursuit of research, nurturing innovations, development of innovative products and innovated systems in an environment of learning. The competent pool of 346 dedicated full time faculty members, experts in their field, is strongly committed to the cause of research and innovation.

Directorate of research is responsible for creating repository of all the innovation ideas, research and publications at AUH. Central Instrumental Research Facility, Centres of Excellence, Amity Patent Cell, Various funded Research Labs are involved in cutting edge research and development. Overall research ecosystem of the University provides an excellent opportunity for setting-up start-ups and facilitate in nurturing the innovation culture of the university and act as an accelerator of commercialization of the research outcomes of the University and also be advantageous for the entrepreneurs to connect them with industry, society and government entities and achieve maximum efficiency in the development of companies.



Reduced Inequalities

Amity University Haryana provides equal opportunity to all individuals based on the HR Policy Manual which is in place since its inception in 2010 and revised in 2021. Based on the merit and screening by the committee, teaching and non teaching staff are employed in the university. To date there are

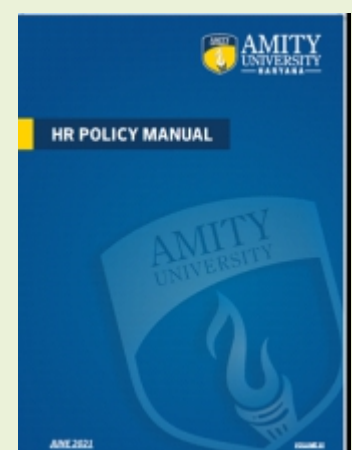
516 male and 240 female employees which include both teaching and non teaching staff and faculty members.

Amity University Haryana also provides equal opportunity to all students and there is no discrimination made based on caste or gender.



An extract from the HR Policy Manual regarding “EQUITY AND INCLUSIVITY”

AUH, set up in 2010, has now emerged as a young and vibrant campuses, and has been able to recruit some of the best minds because of its Three-Tier HR policy of selecting faculty and staff without regard to race, caste, creed, religion, ethnic origin, ancestry, gender and linguistic identity and irrespective of disability, age, protected status, genetic information, military service or other identities. It is important to endorse the goals of providing equal opportunity and affirmative action within the University, and to ensure the ethos of diversity in the AUH so that the University community is able to advance the academic purposes of the University.



Sustainable Cities and Communities

The population of India is increasing constantly. There is a need to build modern, sustainable cities. Goal 11 is about using new, intelligent urban planning to create safe, affordable and resilient cities with green and culturally inspiring living conditions.

Amity University Haryana is committed to the United Nations Sustainability Development Goal (SDG) 11 to aim for Sustainable cities & Communities. This document summarizes some of the initiatives taken by the AUH towards addressing this.

In order to minimize any negative environmental impact of its operations, the University is conscious of its obligations to conserve the environment and adheres to the

sustainable development concept. Since its establishment, the institution has ensured its growth is in keeping with the principles of environmental justice by caring for its resource base, which includes native vegetation, the water environment, and architectural design. As a result, the university regions' total output has improved relative to its surroundings. University buildings naturally incorporate passive green elements, such as sunken areas designed to lower summertime temperatures.

Amity conduct research/filled patents, copyrights, organised events and offer courses on sustainable urban planning and renewable energy. Amity has collaboration with local community, govt and businesses to create and promote sustainable solutions.

Sustainable stay at campus



Responsible Consumption and Production

Amity University Haryana is committed to promote sustainable management practices and efficient use of resources to deliver responsible consumption and production patterns through its operations by implementing sustainable policies and practices. University Waste Management Policy places a strong emphasis on recycling and reusing various waste types in order to save natural resources, safeguard public health and the environment, decrease toxicity, and minimise landfilling and/or incineration

Garbage Shed



Open Area Dustbin



The organic waste collected from farm house is disposed through bio gas production and composting infrastructure available at campus. The by-products are further utilized locally for heating and manure.



The University is committed to promoting sustainable consumption and production through several modules contained within courses delivered like MBA sustainability management, M.Tech. (Solar & Alternate Energy), M.Sc. (Renewable Energy) M.Tech (Atmospheric Technology and Climate Management), M.Sc. (Environmental Sciences and Management), B.Sc. (Hons) - Earth Sciences etc.

Amity faculty and students are committed to do research on the same and published articles in renowned journals, filled patents, and organised events to aware community.

Climate Action

Amity University Haryana is strongly committed to the goal of environmental sustainability and playing an impactful role to ensure compliance in terms of SDGs. The quality and scale of Amity University Haryana's efforts to transform it into a sustainable campus have been duly recognized as India's first University and Asia's 2nd to earn LEED Platinum Certificate from US Green Building Council and among top 200 global campuses in previous Impact Ranking. The University is meaningfully contributing to SDG – 13 i.e. Climate Action, through the following important measures and frameworks:

Nature Just Development plan of the University to make it a Green Campus

Low Carbon energy transformation

Incorporating Environmental and Sustainability components in imparting education

Integrating climate change measures into university policies, strategies, and planning

Collaborative education and research to address environmental and climate change impacts, adaptation, impact reduction, and mitigation.



Promoting environmental consciousness and practices through various outreach programs to the local and regional communities, thus benefiting the society and nation.



Life Below Water

Amity University Haryana is committed to the Sustainability Development Goal 14 to conserve life below water. Our faculty and students are actively involved in research work in this field and we have as many as 5 Publications related to this SDG in 2021-2022. AUH has a water sensitive waste disposal policy available at https://www.amity.edu/gurugram/pdf/amity_university_haryana_ssr_cycle1.pdf. A proper procedure is followed for segregation of dry and wet waste at source itself followed by collection and disposal, without compromising sanitation and hygiene. A very effective waste collection infrastructure is maintained for segregation of waste. A small recycling unit in form of composting and biogas unit are also maintained to supplement in house requirements of organic manure and energy need. University discourages uses of plastic; particularly single use plastics in campus. There are two authorized vendors M/s Arya Pvt Ltd. And M/s Resource E waste Solutions Pvt Ltd to dispose solid wastes like tube lights, glass batteries etc.). AUH has a well defined policy on Environmental Consciousness and Sustainability Policy, under which reduction and rational use of plastic is one important aspect. It is available on university website at <https://www.amity.edu/gurugram/naac-document.aspx>. (Under WEP-AUH Wellness Policy)

Life on Land

Amity University Haryana is committed to the Sustainability Development Goal 15 to conserve life on land. Our faculty and

students are actively involved in research work in this field and we have high impact Publications related to this SDG in 2021-2022. Events related to sustainable use of land are regularly conducted. Examples are webinar entitled "Earth Day 2022: Restore Our Planet" conducted. To maintain biodiversity of current ecosystem we have a herbal garden and on campus organic farms. The production of the organic farm was (i) pulses and legumes, (ii) wheat and cereals, (iii) spices and herbs and (iv) potatoes. There is a dairy on campus and milk production from this was approx. 90000 liters.

Peace, Justice and Strong Institutions

Amity University Haryana is committed to the United Nations Sustainability Development Goal (SDG) 16 to aim for peace justice and a strong institution. The University recognizes the important of accountability across and within institutions and implemented a number of policy measures and guidelines to ensure justice, fairness and ethical behavior. The organizational structure lends itself to sustaining institutional capacity and education effectiveness through involvement of stakeholders in various Committees/ Boards.

Grievance redressal committees maintain records through Minutes of Meeting and ensure their effective implementation.

https://assessmentonline.naac.gov.in/storage/app/hei/SSR/105499/5.1.6_1578419459_3926.pdf

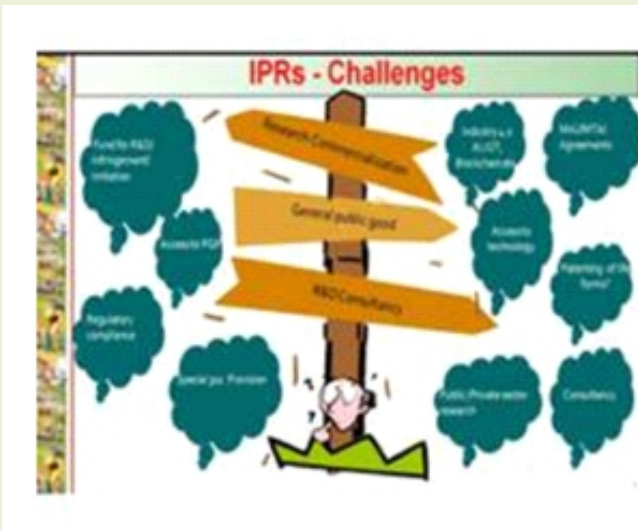
The University is committed to promoting Peace, Justice and Strong Institutions through various programmes.

All financial data of AUH are audited as per government rules and regulations this data is freely available in the public domain on:

https://www.amity.edu/gurugram/naac/important_documents_naac/7.1.8/audited%20a

[nnual%20report%202018-2019.pdf](#)

AUH has bodies to recognize and engage local stakeholders, including local residents, local government, local private and local civil society representatives.



MEANINGFUL EDUCATION AROUND THE SDGS

The University has a commitment to provide meaningful education around the SDGs across the university through various programs & courses, extra-curricular & co-curricular activities and other outreach community activities. The University is both dedicated programmes and courses covering various aspects of SDGs. MBA and Executive MBA (Sustainability Management) is focus on producing sustainable change leaders for industry <https://www.facebook.com/AmityUniversityGurgaon/videos/1026133524597305/> M.Tech (Solar and Alternative Energy) and M.Sc (Renewable Energy) is focused on SDG 6,7 & 13. A minor specialisation elective is offered to all Undergraduate (UG) students of university. Environmental Science is compulsory course for all UG students. Further, various programmes such as Science, Engineering, Architecture, Nursing, Health, Fine art, Entrepreneurships (sustainable startups) etc also covers courses relevant to SDGs.

University organises various events to give insightful experience to students pertaining to various issues related to health, mental well-being, Environment and Climate, Gender Diversity, Economic issues, and topics pertaining to all other SDGs <https://www.amity.edu/gurugram/events> Various aspects of sustainability are taught through dedicated programmes and courses covering various aspects of sustainability. The University is actively engaged in various outreach educational activities through its students, alumni and faculty which are contributing significantly to SDGs goal achievement in wider community such as free health check-up camps, awareness programs for local community, supporting underprivileged and poor people, Free Blook

test camp, Health Awareness Rally, School outreach activities, Pulse Polio Immunization Programme, Free COVID 19 Vaccine camps etc are regular part.

University organises webinars, workshops, conferences to give students insight for real world expertise in strategic renewable energy, climate, water, good air, Health & Wellbeing, skills, education, etc for almost all the disciplines as well as depth understanding in various fields such as solar, wind energy, biogas & biomass etc. Students learn through classroom as well as from these extracurricular activities and working to enhance life of nearby societies, to prepare them as skilled work force.

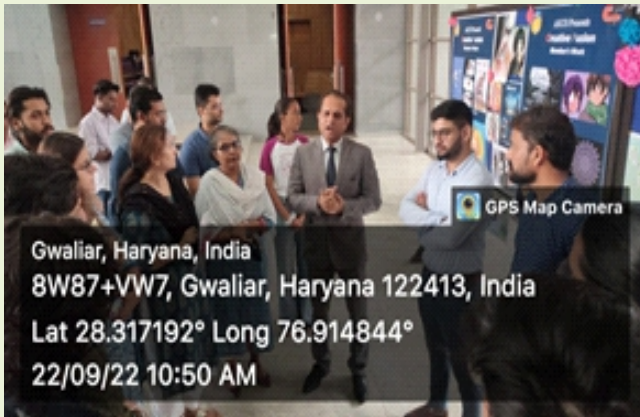
<https://www.amity.edu/gurugram/mtech-solar-and-alternate-energy>

<https://www.amity.edu/gurugram/naac/1.2.1%20new%20courses.pdf>

<https://www.amity.edu/course-list.aspx?fd=Sustainable%20Development&Programs=Post%20Graduate>

Co-Curricular and extracurricular activities outside classroom: this learning resource gives information about the Goals, their complexity and strategies for achieving them, ways students can contribute and stresses the importance of working together to achieve them. They relate justice, equity, and sustainability with ideas on combine working themes and by providing environmental education, which teaches many disciplines Topics include reducing waste, cooperation, our links with others, diversity, and local and national news.

Through outreach programs, students make connections between the local and share their learning with others



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22/09/22 10:50 AM



Gwaliar, Haryana, India
8W87+VW7, Gwaliar, Haryana 122413, India
Lat 28.317186° Long 76.914867°
22/09/22 10:47 AM



NATION AND NATIONALISM 2022

Dare To Write.



NATIONAL ESSAY WRITING COMPETITION
AMITY LAW SCHOOL

Participation Open for All



SUSTAINABLE SPECIFIC PROGRAMMES & COURSES

- A) Programmes Dedicated to Sustainability
- B) Minor Specialization Elective Track offer to all Under Graduate Programmes
- C) Compulsory Course for all Under Graduate Programme

A) Programmes Dedicated to Sustainability: -

Sr No	Programme Name	Level	URL
1.	MBA (Sustainable Management)	Post Graduate	https://www.amity.edu/gurugram/mba-sustainability-management
2.	Executive MBA (Sustainable Management)	Post Graduate	https://www.amity.edu/gurugram/executive-mba-sustainability-management
3.	M.Tech. (Solar & Alternate Energy)	Post Graduate	https://www.amity.edu/gurugram/mtech-solar-and-alternate-energy
4.	M.Sc. (Renewable Energy)	Post Graduate	https://www.amity.edu/gurugram/msc-renewable-energy
5.	M.Tech (Atmospheric Technology and Climate Management)	Post Graduate	https://www.amity.edu/gurugram/mtech-atmospheric-technology-and-climate-management
6.	M.Sc. (Environmental Sciences and Management)	Post Graduate	https://www.amity.edu/gurugram/msc-environmental-sciences-and-management
7.	B.Sc. (Hons) - Earth Sciences	Under Graduate	https://www.amity.edu/gurugram/bsc-hons-earth-sciences
8.	Ph.D. (Earth and Environmental Sciences)	PhD	https://www.amity.edu/gurugram/phd-earth-and-environmental-sciences

B) Minor Specialization Elective Track offer to all Undergraduate Programmes

Sl. No.	Track with details of courses	No of credits to be earned for getting a minor degree	Prerequisites if any
1.	<p>Climate Science Semester 1- AST2151- Basics of Climate Science Semester 2- AST2251- Introduction to Earth System Science Semester 3- AST2351- Cloud Microphysics and Chemistry Semester 4- AST2451-Climate Change: Impact, Vulnerability and Adaption Semester 5- AST2551- Primer of Oceanography Semester 6- AST2651- Fundamentals of Climate Variability and Modeling</p>	18	No prerequisites
2.	<p>Disaster Management & Sustainable Built Environment Semester 1-DSM2151-Introduction to Disaster Management Semester 2-DSM2251-Resilience Building for Built Environment Semester 3-DSM2351-Emergency Management Semester 4-DSM2451-Rehabilitation Reconstruction and Recovery Semester 5-DSM2551-Climate Change Adaptations and Sustainable Development Semester 6-DSM2651-Geoinformatics in Disaster Management</p>	18	No prerequisites
3.	<p>Dietetics & Nutrition Semester 1-DAN2151-Principles of Nutrition Semester 2-DAN2251-Family Meal Management Semester 3-DAN2351-Basics Dietetics Semester 4-DAN2451-Advanced Dietetics Semester 5-DAN2551-Community Nutrition Semester 6-DAN2651-Food Chemistry</p>	18	No prerequisites
4.	<p>Environmental Management Semester 1- ENV2151- Environmental Studies-I * Semester 2- ENV2251- Environmental Studies-II * Semester 3- ENV2351-Environmental Pollution and Waste Management Semester 4- ENV2451-Environmental</p>	12 (Available from Sem-3, Total Credits: 12) *	No prerequisites

	<p>Management and Industrial Safety</p> <p>Semester 5- ENV2551-Environmental Economics and Globalization</p> <p>Semester 6- ENV2651-Sustainable Development Practices</p>	<p>mandatory for all undergraduate courses and is taught in three different schemes during first year</p>	
5.	<p>Entrepreneurship</p> <p>Semester 1-MGT2152-Orientation Programme in Entrepreneurship</p> <p>Semester 2-MGT2252-Exploring Business Opportunity Semester 3-MGT2352-Developing a Business Model</p> <p>Semester 4-MGT2452-Translating Business Model into Startup Semester 5-MGT2552-Advanced Programme in Entrepreneurship: Growth Semester 6-MGT2652-Advanced Programme in Entrepreneurship: Expansion</p>	18	No prerequisites
6.	<p>Environmental Health & Climate</p> <p>Semester 1-AST2152-Linkages between Environment and Health</p> <p>Semester 2-AST2252-Climate Change and Implications on Public Health</p> <p>Semester 3-AST2352-Diseases in Contemporary Society</p> <p>Semester 4-AST2452-Air, Water and Soil Pollution, Environmental Health Professions</p> <p>Semester 5-AST2552-Ground-based and Satellite Remote Sensing</p> <p>Semester 6-AST2652-Instrumentation Lab</p>	18	No prerequisites
7.	<p>Human Rights</p> <p>Semester 1- LAW2152-Concept and Theoretical Understanding of Human Rights</p> <p>Semester 2- LAW2252-Systems, Organizations and Instruments of Human Rights</p> <p>Semester 3- LAW2352-Contemporary Human Rights Situations and Issues</p> <p>Semester 4- LAW2452-Specific Themes in</p>	18	No prerequisites

	Human Rights Semester 5- LAW2552- Legislation Themes in Human Rights Semester 6- LAW2652-Report Writing and Thesis Preparation (Human Rights)		
8.	Polymer Technology Semester 1-PTE2151- Polymerization Semester 2- PTE2251-Waste Plastic Recycling Semester 3-PTE2351- Polymer Technology Semester 4-PTE2451- Rubber &Tyre Technology Semester 5-PTE2551-Polymeric Nano Composites Semester 6-PTE2651-Bio-Medical Plastics	18	Physics,Chemistry , Maths/Biology in class 12 th
9.	Renewable Energy Semester 1-SAE2151- Renewable Energy Conversion Systems Semester 2-SAE2251- Introduction to Solar Thermal Engineering Semester 3-SAE2351- Introduction to Solar Photovoltaic Semester 4-SAE2451- Energy from Wastes Semester 5-SAE2551- Renewable Energy for Heat Applications Semester 6-SAE2651- Energy Audit and Energy Management	18	No prerequisites

C) Compulsory Course for all Under Graduate Programme:- Environmental Studies is mandatory for all undergraduate courses and is taught in three different schemes during first year.

[https://www.amity.edu/gurugram/naac/1.3.2%20value_added_courses_manual/1.3.2%20value_added_courses_manual/environmental%20studies%20-%20syllabus%202018%20\(all%20ug\).pdf](https://www.amity.edu/gurugram/naac/1.3.2%20value_added_courses_manual/1.3.2%20value_added_courses_manual/environmental%20studies%20-%20syllabus%202018%20(all%20ug).pdf)

Sustainable development is the pathway to the future we want for all. It offers a framework to generate economic growth, achieve social justice, exercise environmental stewardship and strengthen governance.

-Ban Ki moon

The United Nations Sustainable Development Goals (SDGs) are the focus of Amity University Haryana of Eminence. The four pillars of our approach to the SDGs are research, teaching, basic institutional practices, and collaborations.

17 PARTNERSHIPS FOR THE GOALS

