



AMITY UNIVERSITY

HARYANA

(Accredited with Grade 'A' by NAAC)

Report on Sustainable Development Goal



SDG 17: Partnerships for the Goals

Year 2021



Campus: Amity Education Valley, Gurgaon (Manesar) - 122413 (Haryana) | Tel.: +91(0)-124-2337015 / 16
Gurgaon Office: Amity International School Campus, Sector-46, Gurgaon - 122001 (Haryana) | Mob.: +91-98-184-99225
Website: www.amity.edu/gurgaon | E-mail: info@ggn.amity.edu; admissions@ggn.amity.edu

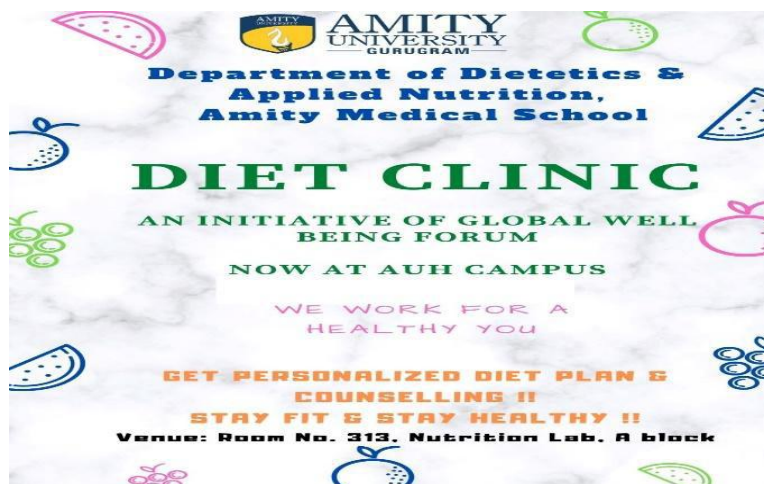
Amity University Haryana is committed to partnership approach and engaged with National, International, Government Agencies, NGOs, Academia, Industry, Policy Think Tanks, and Local Bodies for the betterment of society in a sustainable and inclusive manner. Amity has collaborated through MOUs for high-end research, joint projects, teaching and knowledge sharing, students' internships, and community engagement and development, and multidimensional social impact programs through webinars, awareness programs, conferences, and social outreach activities.

RELATIONSHIPS WITH REGIONAL NGOS AND GOVERNMENT

The University is closely working with Government and NGOs on multiple initiatives to mark a positive impact in the society and contributing towards the achievement of various SDGs. The University is involved in regular activities for welfare related to health and food activities for the communities nearby and in Gurugram. Health activities organized are preventing blindness, conducting health camps, blood donation camps in association with the Red Cross Society, spectacles distribution with eye check-ups, hearing and speech consultancies, etc.

Few such examples are as follows:

- SDG 3: A “DIET CLINIC” has been started by the Department of Dietetics & Applied Nutrition in which free diet counselling has been provided to the students and staff of the Amity University on daily basis to make them aware about the healthy lifestyle and its impact on overall health and wellness.



Audiology and Speech Pathology clinic



Optometry and Vision Science Clinic

- SDG 3: Amity University Haryana conducted the nutrition awareness program under the aegis of **Unnat Bharat Abhiyan** by the Ministry of Human Resource Development. The event was conducted in the nearby village Fazalwas on 9th December 2021.

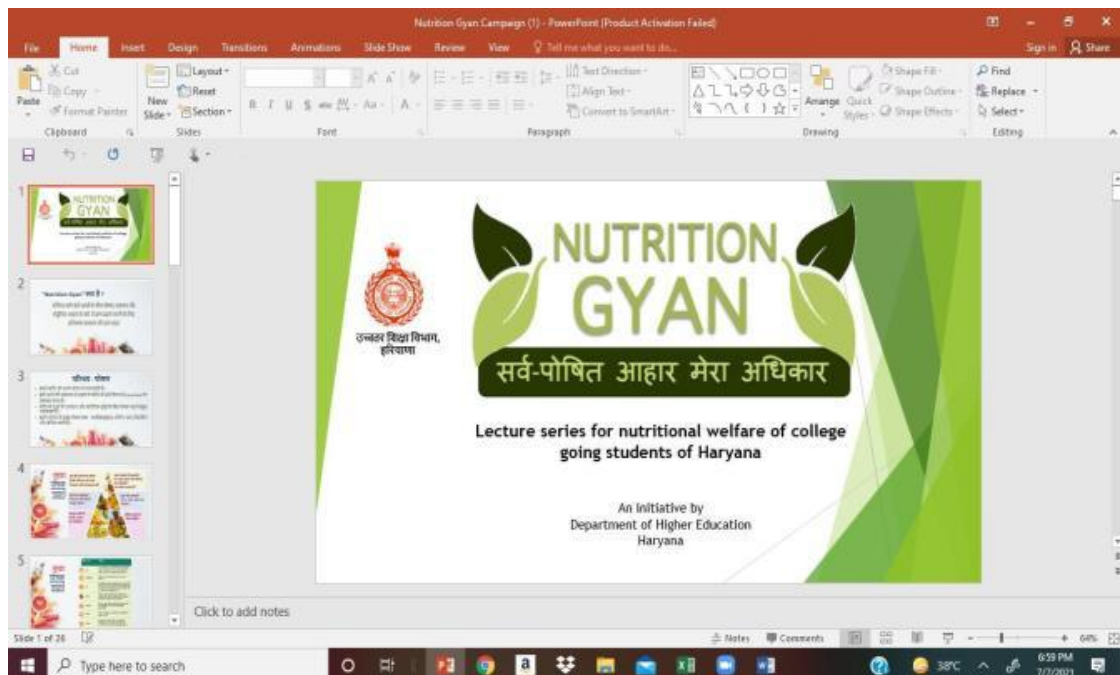


UNNAT BHARAT ABHIYAN

- SDG 3: The Blood Test camp was organized on 3rd Sept 2021 morning at 9: 30 AM, at Glass Hall (Seminal Hall) - B-Block, Amity University Haryana. The team of 5 people (Lab Director-1, Lab Manager -01, Senior Scientific Officer-1 and Lab Technician-02, from Zen Health Services Pvt Ltd, Gurugram arrived and initiated the event. Blood testing service, one test free from the Total cholesterol, blood sugar, and Creatinine. Remaining tests panels offered on discount along with free BP, weight, BMI, SpO2 and Heart Rate testing was done for Amity students, faculty, staff and community people. A total of 114 participants were benefited in this the camp.



- SDG 3: AUH in collaboration with Government of Haryana, organized a lecture series in the state colleges named “NUTRITION GYAN”. The theme of the series was for nutritional welfare of college going students of Haryana. It was an initiative of the Department of Higher Education, Haryana. Selective Students of M.Sc. Dietetics & Applied Nutrition II and IV semester, B.Sc. DAN VI Semester and Ph.D. Scholars were the flag bearers of these lecture series. These students were trained and prepared to undertake the presentation in over 142 colleges of Haryana through online mode. A stipend of Rs.500 per lecture was also paid to the students for presentation by the Department of Higher Education, Government of Haryana.



SDG 4: Education Outreach activities beyond Campus - The university ensures inclusive and equitable quality education and promotes lifelong learning opportunities for all. Going beyond the horizons of textbooks and making something innovative is certainly a measure to improve an individual in practical terms. The university has adopted nearby five villages for spread of education and upliftment of the rural and urban folk thereby, providing a more sustainable future for all. The students are trained to practice the values of contributing to the societal development by giving back what they have learnt. The university implements this practice by conducting classes for the marginalized and uneducated adults in the villages adopted. The students at the university conducted activities like blood donation camps, health awareness camps, green environmental initiatives, women empowerment sessions, gender sensitization etc. which enriched the learning experiences of the students. AUH conducted many health-related awareness programs, educational activities and role plays in community areas on topics such as - prevention from anemia, International Geriatric Day, briefed villagers about discrimination, stigma and prejudices and the importance of COVID vaccination.



International Geriatric Day

Prevention from Anemia

- **SDG 5: Self Defense Training** - All the female students undergo 7-days military cum leadership training camp held at AUH. Students are trained by veterans of the armed forces in self-defense techniques and are also instilled with a sense of patriotism. This training empowers the young women students of the university that instills them with confidence and trust. In this way they not only get a taste of military but also turn out to be a confident and empowered individual who is ready to face the world.



Female student doing March Past during military training



Female student taking their meal during military training



Female student in camps during military training

- SDG3, SDG 4 and SDG 9: MoUs with international educational and research institution and medical and healthcare organizations to promote quality education, better health and well being, and promoting innovation and industry integration. Faculty members are working on multiple projects of great importance funded from DST, DBT and collaborating with medical and healthcare organizations. Ministry of Skill Development and Entrepreneurship had empanelled AUH as training partner under PM YUVA Yojna to educate and equip potential and early stage entrepreneurs. The University has target to impart formal training of entrepreneurship and prepare 2,500 entrepreneurs in next 5 years. under this Entrepreneurship course is being offered as full time Flexible certification course with 18 credit and 6 tracks. Various programmes are offering Entrepreneurship development as one of the subjects for the awareness and understanding of entrepreneurship. The University has been selected for the prestigious ‘Hunar Sai Rojgar Tak’ under the scheme of Capacity Building for Service Providers’ of Ministry of Tourism.



- SDG 7: AUH is recognized by National Institute of Solar Energy to conduct Suryamitra Skill Development Program, a project funded by Ministry of New and Renewable Energy since 2016. ‘Suryamitra Skill Development’ offers training programme on Solar PV Installation with the support of National Institute of Solar Energy. Till date five batches of Suryamitra training has been successfully delivered which created 150 skilled manpower for RE sector and solar entrepreneurs.





AMITY
UNIVERSITY
— GURUGRAM —

IN
COLLABORATION
WITH



NISE
National Institute of
Solar Energy

Invites Applications for



SURYAMITRA SKILL DEVELOPMENT PROGRAM

SOLAR PV INSTALLATION TRAINING

ELIGIBILITY:
ITI (Electrical/Electronics) or Diploma (Electrical, Electronics, Mechanical) Pass out. Final year students can also apply.



Suryamitra Trainees at Amity University Haryana

SDG 14: AUH has been awarded a high societal impact project to rejuvenate a wastewater pond at nearby Bilaspur village in Haryana by using nano technology and transfer into a fresh water pond. The project was funded by Gurujal and undertaking home, Ministry of Jal shakti, Government of India. This project mainly focused on cleaning of the pond was undertaken using 100KLD Moving Bed Biofilm Reactor technique along with Ferrite based nanoparticles as heavy metal adsorbents. The pond in Bilaspur village is currently being revived. Once the project will be completed the ecosystem of the area will be enhanced by improving and impacting the lives of more than 10,000 villagers. Based on invention for wastewater treatment two patents have been filed and three research articles have been published.



- SDG 16: MOU to promote Peace, Justice and Strong Institutions

The University has been selected for the prestigious ‘Hunar Sai Rojgar Tak’ under the scheme of Capacity Building for Service Providers’ of Ministry of Tourism; The University has selected by National Institute of Solar Energy, Ministry of Renewable Energy for ‘Suryamitra Skill Development’ Training in Solar PV Installation; MoU with National Skill Development.

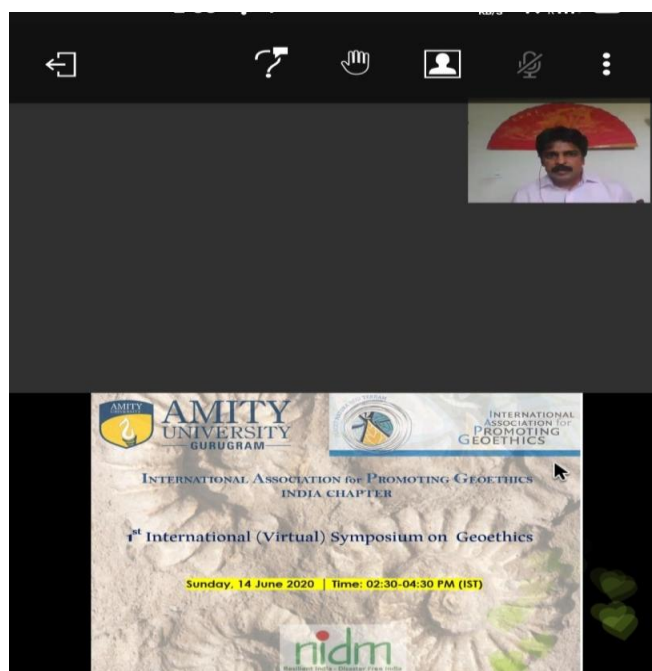
CROSS SECTORAL DIALOGUE ABOUT SDGS

University is committed in engagement of its resources to drive impact through cross sectoral dialogues. The University senior officials along with faculty organize and attend various events National, International and local level such as conferences, seminars, workshops, round table on various key issues pertaining to SDGs.

SDG 7 & SDG 13: International Symposium on Air-Pollution: Causes, Mitigation and Strategic Planning in which Scientists and Officers from Government institutions such as Central Pollution Control Board, CSIR, Indian Metrological Department etc have

participated. Strategic policy recommendations submitted to Government on the issue.

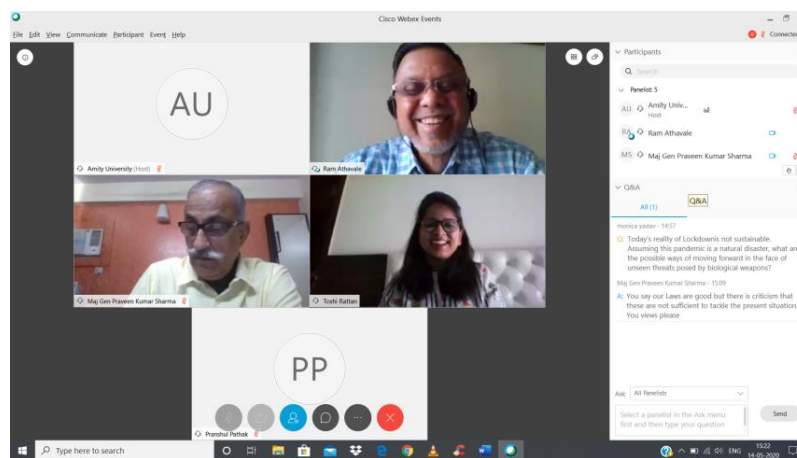
SDG 14: Amity University Haryana organized 1st International Webinar (Virtual) Symposium on Geoethics. This was a unique initiative and the event highlighted that proper and deep education on ethical issues in geosciences has been evolving in recent times, although not as quickly and deeply as necessary. Speaker at the Webinar was Prof. (Dr.) Devesh Walia of North-Eastern Hill University, Shillong. The theme of the research propagates the agenda of SDG 14. Geoethics is the research and reflection on the values which underpin appropriate behaviors and practices, wherever human activities interact with the Earth system. Geoethics provides a framework from which to define ethical professional behaviors in both geosciences and engineering, and to determine how these should be put into practice for the benefit of society and environment. Many of the professionals dedicated to Earth Sciences have been not in touch with such new concepts and tendencies as the concept of Geoethics. Objectives of the event encompass ethical and social problems related to management of land, sea coasts and open oceans keeping in perspective conservation of marine resources in conjunction with socio-environmentally sustainable supplies and conservation of energy and geo-resources, reduction of environment and marine pollution, and resilience of society related to natural-anthropogenic hazards, and risk mitigation strategies in an inclusive and sustainable manner. All these objectives of the Webinar promote the basic intent of SDG 14.



SDG 3 & SDG 12: Awareness session on Drug Abuse by Narcotic Control Bureau, Govt. of India.

SDG 12: Amity Law School organized a Webinar on the topic 'Bio-Warfare, Bio-Terrorism and Bio-security'. The idea behind this Webinar was to enlighten the participants on the topic and provide them with an assessment of the present crisis being faced as well as similar future crisis that may arise so that correct and authentic information is available to all on the crucial yet not so common subject. Proper information generation and awareness on impending dangers arising out of bio-warfare, bio-terrorism and bio-security are very

important for building a responsible society that in turn has to promote responsible consumption and production practices in conformity SDG 12. The Speaker for the said Webinar was Col. (Dr) Ram Athavale, a proud military veteran and a CBRN Security Specialist. The Webinar highlighted the alarming threats of Bio-Warfare and Terrorism and acquainted the participants with the meaning and scope of terminology like CBRN, HAZMAT and various hazard signs. Col Athavale highlighted the CBRN threats existing today and categorized them under two heads viz, natural and manmade. Bio-Terrorism as explained by the esteemed Panelist is deliberate and not the accidental release of manmade Bio-Warfare agents. The Webinar equipped and enlightened the participants about the crucial issue of Bio-Warfare, Bio-Terrorism and Bio-Security and addressed the need of development of a Bio Secure environment and promote responsible social practices that necessarily entail responsible consumption and production practices as envisaged by SDG 12.



International collaboration

The Amity University Haryana mission is to promote international collaboration and cooperation. Amity University Gurugram is responsible for providing research leadership, which normally includes promoting and facilitating leading- edge research, including collaborative and interdisciplinary research; building, and providing sufficient support for, a community of innovative researchers to enhance research capacity at the university. The university has MOUs with several top international universities towards achieving these goals https://www.amity.edu/gurugram/mou_collaboration.aspx

Several research publications were published in collaborations with international institutions and authors.

<https://www.amity.edu/gurugram/research-publications.aspx>

One Asia community theory project was funded by Japan based One Asia foundation <https://www.amity.edu/gurugram/event-detail-normal.aspx?event=9424&events=events>.

This project helps students to enhance their awareness of Asia, Asian cultures and history and also to interact with eminent Asian scholars and it builds around mutual cooperation among Asian countries to enhance wellbeing and education.

COLLABORATION FOR SDG BEST PRACTICES

Amity University Haryana works as per UN mandate to create University as ‘living lab of sustainability’ by adopting best practices to take care of its energy, water, vegetation and waste management, use of solar energy, water treatment and its reuse, rainwater harvesting (Zero Water Discharge campus), native vegetation plantation and many more. As a result, Amity University Haryana has been awarded LEED Platinum Certificate, thus becoming India’s first and Asia’s 2nd University.



Best practices of each Institution are transmitted across University to strengthen the student’s platforms for holistic development of each student of the University. Several MOUs were signed with international institutes and several international publications reflect our commitment towards this objective.

https://www.amity.edu/gurugram/mou_collaboration.aspx

<https://www.amity.edu/gurugram/research-publications.aspx>

COLLABORATION WITH NGOS FOR SDGS

At Amity more than 22 Students’ club are actively contributing to the SDGs and creating the positive impact on community. Students Club Saakar, Shakti, Udaan and Yuva are actively engaged in various activities pertaining to education, for poor, providing food to poor, and many other social activities for community development, healthcare, and youth empowerment. Udaan, student organization at AUH lights up the path of knowledge in the lives of those children who are not capable of affording their own education, but who still don't give up the dream of soaring high in the clouds. SAAKAR is a student led organization working in the fields of social awareness and action, based in Amity University Gurugram, Haryana, India.

SAAKAR, Amity University Haryana's Youth Social Responsibility Group under the Dean of Students Welfare in collaboration with DRAMEBAAZ and AMOLI SOCIETY FOR WOMEN, successfully organized a 2-day event called WOMEN EMPOWERMENT MISSION from 7th – 8th October 2021. The drive lead by young Saakarians was centered around providing sanitary pads to the doorsteps of Gurugram's underprivileged adolescent females and women. The drive also focuses on creating awareness around COVID norms and menstrual hygiene.



<https://www.amity.edu/gurugram/student-club.aspx>

Amity is a ‘research & innovation driven University’ and its research output is significantly contributing to the various SDGs active research programs directed towards sustainability including Clean Environment & Energy, Bio Energy & BIo-Fuel, Nano Science & Technology, Polymer Science & Technology, etc.

<https://www.amity.edu/gurugram/research-publications.aspx>

Collaboration with NGOs for internship, project work and other live projects for the students of Psychology, Nursing and Social Work programmes addressing their problems and issues.

S. No.	Name of NGOs	Details of Collaboration
1	Khushboo - A day-care centre for Intellectual Disability, Gurgaon, Haryana, India	Developing individual and group therapy plans for the children with intellectual deficit.
2	Continnua Kids - A center for multiple disability, Gurgaon, Haryana, India	Developing individual and group therapy plans for the children with communication disorder.
3	Public Health Foundation of India	to increase the production of medical specialists
4	Samarpan Trust	Social Work
5	The Earth Saviours Foundation	Social Work
6	Diksha Special School	Social Work
7	Lokopriya Gopinath Bordoloi Regional Institute of Mental Health LGBRIMH, Tezpur, Assam	Social Work
8	Vidya Sagar Kaushalya Devi Memorial Health Centre	Social Work

The Suryamitra Project is administered by NISE, an autonomous institute under Ministry of New and Renewable Energy, Government of India established to facilitate the Research & Development, Testing, Certification, Skill Development activities in the field of Solar energy technologies.

https://suryamitra.nise.res.in/All_TPs.html

MEANINGFUL EDUCATION AROUND THE SDGS

The University have 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 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 underprivilege 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>

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 Under Graduate 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</p> <p>Semester 1- AST2151- Basics of Climate Science</p> <p>Semester 2- AST2251- Introduction to Earth System Science</p> <p>Semester 3- AST2351- Cloud Microphysics and Chemistry</p> <p>Semester 4- AST2451-Climate Change: Impact, Vulnerability and Adaption</p> <p>Semester 5- AST2551- Primer of Oceanography</p> <p>Semester 6- AST2651- Fundamentals of Climate Variability and Modeling</p>	18	No prerequisites

2.	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	18	No prerequisites
3.	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	18	No prerequisites
4.	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 Management and Industrial Safety Semester 5- ENV2551-Environmental Economics and Globalization Semester 6- ENV2651-Sustainable Development Practices	12 (Available from Sem-3, Total Credits: 12) * Environmental Studies is mandatory for all undergraduate courses and is taught in three different schemes during first year	No prerequisites

5.	<p>Entrepreneurship Semester 1-MGT2152-Orientation Programme in Entrepreneurship Semester 2-MGT2252-Exploring Business Opportunity Semester 3-MGT2352-Developing a Business Model 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 Semester 1-AST2152-Linkages between Environment and Health Semester 2-AST2252-Climate Change and Implications on Public Health Semester 3-AST2352-Diseases in Contemporary Society Semester 4-AST2452-Air, Water and Soil Pollution, Environmental Health Professions Semester 5-AST2552-Ground-based and Satellite Remote Sensing Semester 6-AST2652-Instrumentation Lab</p>	18	No prerequisites
7.	<p>Human Rights Semester 1- LAW2152-Concept and Theoretical Understanding of Human Rights Semester 2- LAW2252-Systems, Organizations and Instruments of Human Rights Semester 3- LAW2352-Contemporary Human Rights Situations and Issues Semester 4- LAW2452-Specific Themes in Human Rights Semester 5- LAW2552-Legislation Themes in Human Rights Semester 6- LAW2652-Report Writing and Thesis Preparation (Human Rights)</p>	18	No prerequisites

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%20added%20courses%20manual/1.3.2%20value%20added%20courses%20manual/environmental%20studies%20-%20syllabus%202018%20(all%20ug).pdf)