



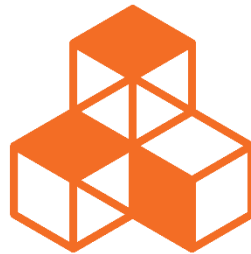
# AMITY UNIVERSITY

**HARYANA**

(Accredited with Grade 'A' by NAAC)

## Report on Sustainable Development Goal

**9** INDUSTRY, INNOVATION  
AND INFRASTRUCTURE



## SDG 9: Industry, Innovation and Infrastructure

**Year 2021**



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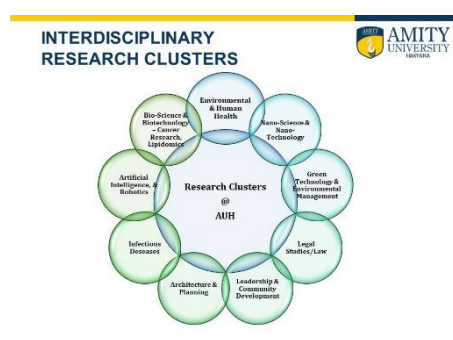
Amity University Haryana, a research and innovation driven University, is truly committed to the cause of ‘innovation and entrepreneurship’. The ‘Vision’ of Amity University Haryana (AUH) is “to be a world class centre of creativity and innovation and to contribute to the progress of humanity through excellence in education, industry and society relevant research and extension services.”

## 1. RESEARCH & INNOVATION INFRASTRUCTURE

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 400+ dedicated full time faculty members, experts in their field, are strongly committed to the cause of research and innovation.

- **Interdisciplinary Research Clusters**

Amity is committed to promote interdepartmental translational research in areas of high national and global relevance such as Cancer Research, Lipidomics, Computational Biology, Infectious Diseases, Nano Science and Technology, Environment and Human Health, Climate Research, Agriculture and Herbal Drug Design and Technology.



- **Directorate of research & Publications**

DRP is responsible to create a repository of all the innovation ideas, research and publications.

- **Centres for Excellence**

At Amity University Gurugram multiple Centres of Excellence have been established to promote Research and Development in diversified areas. The details may be found at: [https://www.amity.edu/gurugram/centre\\_of\\_excellence.aspx](https://www.amity.edu/gurugram/centre_of_excellence.aspx)

- **Amity Patent Cell** is highly active in promoting ‘patenting culture’ among faculty, students and research scholars.

- **Research Laboratories**

The research ecosystem of the University is strongly supported by over 100 most high-tech laboratories. It offers cutting edge practical exposure to the students and train them to be industry ready professionals.

- **Central Instrument Research Facility (CIRF)**

The Central Instrument Research Facility (CIRF) is housed at Amity University Haryana, Gurugram provides a central facility of latest and advanced analytical instrument for research and for promoting interdisciplinary research.

- **Library**

The libraries at AUH are an integrated knowledge resource centre that is stocked with more than 50 thousand books, periodicals, references, national and international journals, conversing all aspects of academic studies and research materials. The Library has online journals and access to e-journals, databases etc., extensive E-database such as - EBSCO, IEEE, ACM Digital Library, Oxford University Press, Institute of Physics, Nature Journal, Portland Press, Royal Society of Chemistry, Taylor & Francis, American Institute of Physics, AIP,DELNET, SCC Online, Manupatra.

## 2. INDUSTRY INTERACTION

Regular industry interaction forms an integral part of the academic curriculum as it helps the students not only get industrial exposure but also a chance to understand the global business practices, to know more:



## 3. RESEARCH PROJECTS, PUBLICATIONS AND PATENTS:

During the last year, over 115 research and consultancy projects received grants worth Rs 35.21 Cr from Govt & Non Govt agencies, major science & technology organization such as:- DST, UGC, RFBR, SERB, ICMR, FIST, MNRE, DBT, etc. The University has filed 175 patents. 15 authored books, more than 200 book-chapters and 4900 research paper were

published by faculty and students in reputed national and international journals. The Patent Facilitation Centre provide needed support to faculty in patent filing process.

#### **4. ENTREPRENEURSHIP AND START-UP ECOSYSTEM:**

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.

##### **❖ Amity Innovation Incubator**

Incubator at Amity University Haryana has a clear philosophy to encourage and incubate technology based new enterprises with innovative products and services with a mandate to strengthen collaboration between industry & academia and turn ideas into visible businesses have to encourage the students for entrepreneurship. The thrust areas are ICT, Environment & Health Care, Agribusiness, Biotechnology and Nanoscience, Artificial Intelligence & Robotics

**Broadly, Amity Innovation Incubator provides the following services to its incubatees:**

- Mentoring and Advisory
- Financial Advisory and Support
- Infrastructure and Support

Amity Innovation Incubator, Gurugram is supported by Ministry of Electronics and Information Technology under MeitY Startup Hub TIDE 2.0 G3C Incubation Centre

- More than 28 Student start-ups
- Strong pipeline of high potential innovative start-up ideas
- More than 50 events on Entrepreneurship promotion and workshops have been organized during last one year to support existing entrepreneurs and students community
- Direct support to Meity Entrepreneurs via academic partnership with University
- Strong advisory and mentoring committee with decades of relevant experience and networking with more than 1000 leading companies and a pool of more than 200 industry mentors. Networking with other Institutions/Labs/Academia: MoUs with reputed international Universities and R&D Centres for education and research.



### ❖ **Entrepreneurship Cell (E-Cell):**

Further, **E-Cell operating** is actively involved in creating an ecosystem of entrepreneurship and start-ups in the campus by involving students in various entrepreneurial events & activities, providing various opportunities to students to interact with entrepreneurs and helping them in developing business ideas and providing start-up support to the students through Amity Incubation Centre.

- Entrepreneurship Awareness Camps
- Fortnightly lecture series – ‘Real Entrepreneurs, Real Story’
- Idea and design thinking workshops
- B. Plan competitions
- Hackathons
- Entrepreneurship Boot camps
- Brainstorming sessions

### ❖ **Institute Innovation Council under Ministry of Human Resource Development, Government of India**

Amity University Haryana Institution Innovation Council is primarily responsible for fostering entrepreneurial skills amongst students and assisting budding entrepreneurs by providing them with necessary resources. Our vision is to develop, support and deliver the Entrepreneurship spirit among students in their quest to achieve success in establishing their venture at all junctures. Our mission is to explore the opportunities for self-employment and inculcate the spirit of ‘Entrepreneurship’ in young Amitians and nearby societies to foster the brightest ideas to one platform and convert them into business.

### ❖ **Rural Innovation and social Entrepreneurship (RISE)**

Amity rural innovation incubator will incubate rural innovation based ventures virtually through its execution partner and Amity Venture fund will invest Seed Capital in those

ventures to take it to the next level. Execution partner will scout & select potential innovations and provide on ground incubation support to the ventures for running it successfully. The 'Rural Innovation Incubator' (RII) at AUH is aimed at providing low cost need based technological solutions for rural areas which are technically feasible, economically viable, socially acceptable, environment friendly, consistent with household endowment and relevant to the needs of rural people. Under RII, students have done a survey of nearby villages and worked out on providing alternative solutions to the power and energy needs of these villagers. As a result, the incubator has 'beta-tested' Solar technology in Langra village. The Solar Street Lights and Solar Batteries have been installed and their results were monitored. The feedback has been taken from the local villagers which was very positive and enthusiastic.

#### ❖ **Courses on Entrepreneurship and Skill Development**

AUH is a multidisciplinary University offering UG, PG and PhD programmes in various disciplines of Science, Technology, Management, Liberal Arts, Law, Earth & Environmental Science and Medical & Allied Health Sciences in which about 6000 students are enrolled, including over 500 PhD research scholars.

- 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;
- The University has been 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 Corporation (NSDC) and other sector Skill Development Councils to impart skill based courses to students;

## ❖ University Spin offs

Amity Innovation Incubator & ECell worked towards motivating students' ideas and help them to convert into ventures. More than 28 ideas converted into ventures in recent years and few of them graduated are listed below:

- **Plabs Solutions Private Ltd** is an enterprise based upon an innovative idea with Intellectual property right, received funding from Meity for support its Pre-Doctor diagnosis platform. PreDoc is India's First AI based Audio Visual Platform used for Diagnostics of Symptoms of a Patient.
- **Legal Bites:** Mr Mayank Shekhar alumni student of Amity Law School, his venture Legal Bites is an Ed-tech platform. The website offers opportunities in the form of competitions, events and jobs relevant to the legal fraternity. It has constantly been working to create affordable, high-quality particulars on cases, codes, articles and interviews while catering a cosmopolitan responsibility
- **Elnio Fitment Pvt Ltd:** Mr. Ayush Awasthi, engineering graduate had a dream to start something of his own and started venture during final year of engineering. It specializes in casual and official wear for males and females.
- **Samzan Pvt Ltd:** BBA Graduates from Amity Business School Mr. Faizan & Ms. Samiya started this venture during their graduation at Amity. SAMZAN PVT LTD is a renowned and trustworthy manufacturer and supplier of cookware products, household products & food products.



The following is a list of Start ups:

S No	Startup/Venture Name	Website of Startup
1	PreDoc	<a href="http://www.predoc.ai">www.predoc.ai</a>
2	CancerX	<a href="https://www.cancerx.co.in">https://www.cancerx.co.in</a>
3	NEO Online Ventures Pvt. Ltd (Brand Name: EzyLegal)	<a href="https://www.ezylegal.in">https://www.ezylegal.in</a>
4	Lastmile Care Pvt Ltd	<a href="https://lastmilecare.in/">https://lastmilecare.in/</a>
5	Edudap India Pvt Ltd	<a href="http://www.edudap.com">www.edudap.com</a>
6	TCV COFFEE VAULT BEVERAGES PVT. LTD. (The Coffee Vault)	<a href="http://thecoffeevault.co.in">http://thecoffeevault.co.in</a>
7	ERESHA TECHNOLOGY INNOVATORS PRIVATE LIMITED	<a href="https://www.tajas.in">https://www.tajas.in</a>
8	Oralens Healthcare Pvt Ltd	<a href="http://www.oralens.com">www.oralens.com</a>
9	kulyantran	<a href="http://kulyantran.com">kulyantran.com</a>
10	Nanolatticex LLP	
11	Aigroedge	<a href="https://www.aigroedge.com/">https://www.aigroedge.com/</a>
12	Legal bites	<a href="https://www.legalbites.in/">https://www.legalbites.in/</a>
13	SAMZAN	<a href="https://samzan.in/">https://samzan.in/</a>
14	Elinio Fitment Pvt Ltd	<a href="https://jamies.in/">https://jamies.in/</a>

## 5. COLLABORATIONS/MOUs

The University has entered into various national and international collaborations and MoU to strengthen the ecosystem of education, research and innovation. A few are listed below:

S. No	Institution	Type
1	PHFI	Venture Capitalist
2	Media and Entertainment Skills Council	Knowledge
3	Management and Science University	Education Institute
4	Taiwan Education & Culture	International Agency
5	UAS International A Unit of United Accrual Services Pvt. Ltd. & UAS International Holidays Pvt. Ltd.	Corporate
6	IIT Bombay	Education Institute

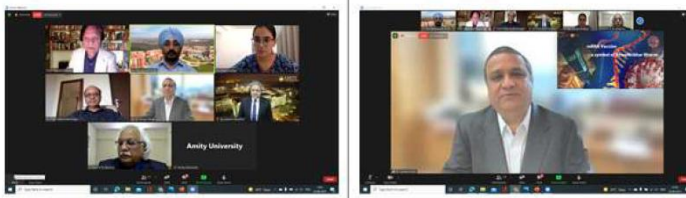


## 6. EVENTS:

During the year, the centre has organised various events and activities to inspire and support young entrepreneurs. A glimpse is presented below.



### WEBINAR ON “MRNA VACCINE IS THE SYMBOL OF ATMANIRBHAR BHARAT” 14TH AUGUST 2021



Scientific talk on development of mRNA vaccine against COVID-19 organized by AIB & AIISH on 14-08-2021 The Speaker: was Dr. Sanjay Singh, CEO, Gennova Biopharmaceuticals Ltd

### WORKSHOP ON “TEXTILE TESTING TECHNOLOGY” BY A MITY INSTITUTE OF DESIGN (FASHION DESIGN) 11-19TH MAY’2022

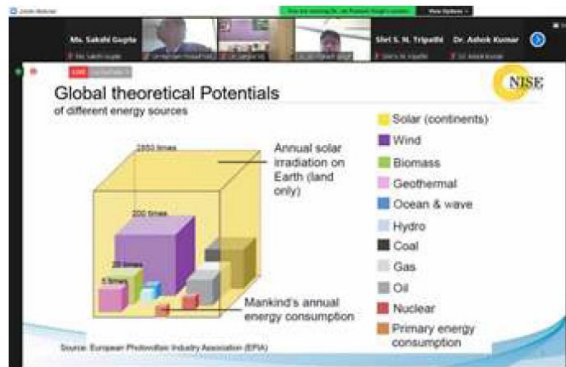


AMITY INSTITUTE OF DESIGN (Fashion Design) organized a textile testing workshop was organised from 11th-19th May’22. Students worked on the whole pallet from analogue to digital, which followed the range of the educational programme from the classic textile tool disciples of woven textiles.



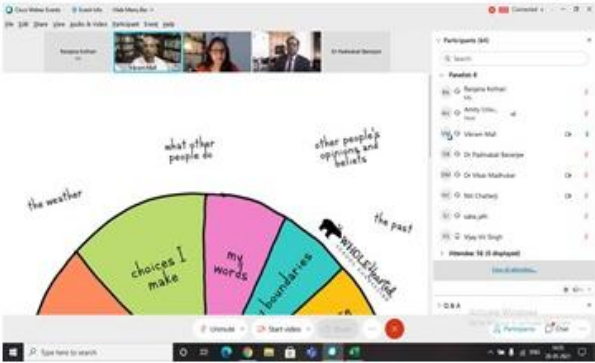
## WEBINAR ON “GREEN TECHNOLOGIES FOR MITIGATION OF GLOBAL WARMING & CLIMATE CHANGE” 4TH APRIL 2022

The Department of Civil Engineering, Amity School of Engineering Department (ASET) coordinated a Webinar on “Green Technologies for mitigation of Global Warming & Climate Change” The theme was on increasing trend of average temperature of the air near Earth’s surface, the threat of global warming appears to be true. Research and Scientific studies have revealed that the global atmosphere concentrations of Carbon Dioxide, (Co2), Methane (CH4) and Nitrous Oxide (N2O) have increased due to anthropogenic activities. These gases are called Green House Gases (GHGs) responsible for increasing global average temperature and causes adverse effects on ecosystem. The coordinators were Dr HRP Yadav, Professor and Head, Civil Dept. Ms Sakshi Gupta, Assistant Professor and Dr Tanvi Gupta, Assistant Professor, Department of Civil Engineering, ASET



**Entrepreneurship awareness during Orientation 2021: entrepreneurship drive at Amity University – Gurugram held during orientation for new batch with motive**

An initiative to inspire, create & support student entrepreneurs. Mr. Vijay Vir Singh Vice-President Amity Innovation Incubator, presented his view points on the topic: ‘Startup With Amity Innovation Incubator. Dr. Vikas Madhukar, Dy Pro Vice Chancellor, Head Amity Innovation Incubator Amity University Gurugram addressed the audience and shared his views on the importance of entrepreneurs and entrepreneurship. More than 1000 students were addressed online.



**SUPPORTED BY**  
MEITY STARTUP  
AMITY INNOVATION INCUBATOR  
GURUGRAM

### HOW START-UPS CAN DESIGN A SUSTAINABLE BUSINESS MODEL ?

Wednesday, 25th Aug 2021 | 04.00 pm

**SPEAKER:**  
  
**Mr. Anuj Bali**  
Founder-Anbac Advisors

For registration :