



# AMITY UNIVERSITY MAHARASHTRA

Established vide Maharashtra Act No. 13 of 2014, of Government of Maharashtra, and recognized under section 2(f) of UGC Act 1956.

A

## Report on Contribution to Sustainable Development Goals Year 2020



Amity University Maharashtra, Bhatan Post - Somathne,  
Mumbai - Pune Expy, Panel, Bhatan Pada,  
Maharashtra 410206



## **President's Message**

### **Dr. Aseem Chauhan**

**President, Amity University Maharashtra**



I am delighted to see the contribution of the Amity University Maharashtra in Sustainable Development Goals, with immense pleasure and a sense of pride!

A core part of Amity Education Group, this campus is one of the leading educational institutions in the country. The University has a strong foundation of value-based education integrated with best academic practices that make this campus a world-class institution. The campus has instituted global standards in education, training, and research activities backed by state-of-the-art infrastructure and the latest teaching methodologies with a sustainable ecosystem. The University has a core faculty comprising qualified researchers from prominent institutions and eminent visiting faculty from renowned organizations.

The University offers a variety of programmes at the Under Graduate and Postgraduate level as well as Doctoral programmes in the areas of Management, Engineering, Biotechnology, Computer Science, Information Technology, Commerce, Journalism and Mass Communication, Fashion Design & Technology, Architecture, Pharmacy and various emerging areas of studies.

The University believes in nurturing talent through regular co-curricular activities along with excellence in academics. The academic ecosystem strives to blend modernity with tradition in each of its students with the mission to train future leaders of the corporate world. The quality of education delivery and knowledge transfer happens at the AUM with careful awareness about the sustainability of the environment and society. The University inculcates the values in the Students and Employees to think about all sections of society and environmental sustainability. The well-designed curriculum ensures the holistic development of students and equips Amitians with emotional intelligence, team spirit, leadership qualities, and discipline. Besides core academic programs, the mandatory components of the curriculum, including behavioral science, foreign languages, communication skill, and instill life skills and leadership traits in students.

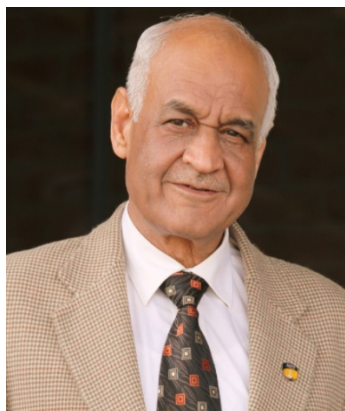
On the occasion of the release of this collective Report on the Contribution of the AUM towards the 17 Sustainable Development Goals (SDGs) in the year 2019- 2020, I am delighted and satisfied to see the high amount of contribution done by the Students and Employees of the University. I am very confident that Amity University Maharashtra will contribute with higher amount in the coming years.

I wish success to all Students and Contributors in their future endeavors.

## Vice Chancellor's Message

### **Lt Gen (retd) VK Sharma**

**Officiating Vice Chancellor, Amity University Maharashtra**



I am pleased to present this Special report of Amity University Maharashtra on the Contribution of the University toward the Sustainable Development Goals. The young, eager minds equip themselves with the knowledge and skills required to explore the changing landscape of the economy and world. Along with the teaching and process, the students are also getting aware of their need to the deprived society.

The University offers an amalgamation of traditional and modern world practices and knowledge accumulation. The special focus of the University is on the Sustainable Development Goals and training the future human resource with a high amount of social responsibility, community outreach, good health, and wellbeing in daily life. The faculty members continuously engage themselves to provide research outcomes with reference to the SDGs and involve students in these activities.

While specialization in new and ever-evolving technologies in diverse fields is imminent, higher education synchronized with interdisciplinary learning makes academics relevant. Higher education cannot be restricted to watertight compartments of pure academics. It encompasses leadership skills such as human behavior, communication, language, presentation, environment sustenance, inclusivity, and time management.

I am very happy that the faculty members have encouraged the student to participate in the United Nations Millennium Fellowship Program, and 15 Students got selected with the consistent development of the students and success with flying colors. Under the guidance of the faculty mentors, the students have successfully contributed to the Sustainable Development Goals and completed the given projects.

The University empowers its students through a holistic curriculum which includes training in personality development and confidence building, developing communication skills, team building through sports activities, learning discipline through military training camps, and so on. The impeccable training gives a decisive edge to students in placement drives, which are considered the best across the country.

Amity University Maharashtra is committed to creating a center of excellence in higher education by imbibing strong human and ethical values and professional acumen, thus making it a highly sought-after academic institute.



## Pro-Vice Chancellor's Message



### **Dr. A.W. Santhosh Kumar**

**Ph.D., FAMPV, FNAAS, FIAAM, PDF(NIH,UC Davis,USA)**

The name “**Amity**” stands synonymous to “ **EDU-NATION**” – with a lineage of glory and valor in educational heritage, Amity always aims at “**Education nationwide**”. With more than 23 campus in India and 12campuses located internationally, Amity is one among the top Universities in India. We at Amity “**Educate to Innovate**”.

**The future depends on what we do in the present- Mahatma**

**Gandhi.**

Amity-Mumbai's educational mandate focuses mainly on outcome based education that is implemented in **17 Institutes offering more than 100 programs at UG, PG and PhD. levels**. The University also in houses many centers of excellences with internationally acclaimed faculty who are dedicated to academic rigor and research capabilities in the fields of Computer science, Information technology, Biotechnology, management, law, humanities, clinical psychology, media and communication, architecture, fine arts and other high priority areas of higher education. We also have collaborative programs offered by leading industrial and corporate companies. The ambience of the campus and the serenity of the environment contribute to the richness of learning possibilities and effective utilization of student centric curricular and extracurricular activities. We implement education through renowned faculty who are recognized nationally and internationally in their domain of research.

The major vantage point of **Amity-Mumbai** is its global placements, a strong network with major industries in the area with a 360° approach to skill based learning. The **Corporate Resource Center (CRC)** at the campus achieves scale-up placement achievements both nationally and internationally every year. We at Amity-Mumbai believe in imparting world class education through a well-structured curriculum, taught by our well competent and reputed faulty through new and innovative pedagogical initiatives. One of the unique facilities of Amity-Mumbai is its national and international collaborations and student mentoring activities through co-opted international resident programs for students.

As a research oriented institution, Amity- Mumbai focuses on cutting edge research with **Center of excellence in Genomics & Proteomics and drug discovery, Center for Excellence in Astrobiology, Center for computational biology & translational research. Center for Excellence in Nanotechnology, A versatile “ Cognitive learning -Laboratory”, TATA innovative center for excellence in automobile engineering etc.,**



that has put the institution a launching pad for the students to pursue their career with a strong knowledge and hands-on experience.

Our institutes are of national repute with our alumni placed globally. Adding pinnacle to the glory are the hostels and other on campus facilities that make the inmates self-reliant and feel at home. The student is the most important person on our campus. We create opportunities and inspire students to achieve their goals. We recognize that in addition to our students' academic pursuits, they lead full, rich lives and need our support. Hence Amity- Mumbai offers more than just a great learning experience. It broadens horizons and challenges assumptions. Thus, we make the newer generation face the challenge ahead through knowledge, skill and attitude to be the best in the world.

Joining Amity University Maharashtra with more than 15 years of administrative experience from the United States of America (USA), I am indeed proud to serve Amity-Mumbai and be an integral part of the “**Amity Family**”.



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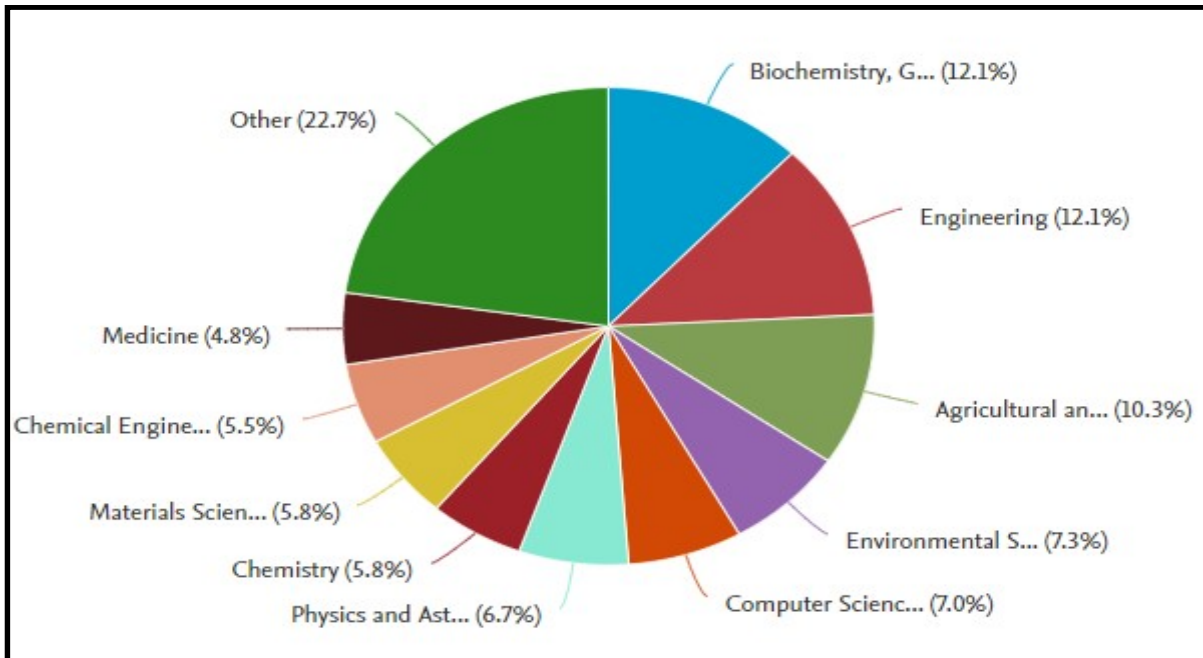
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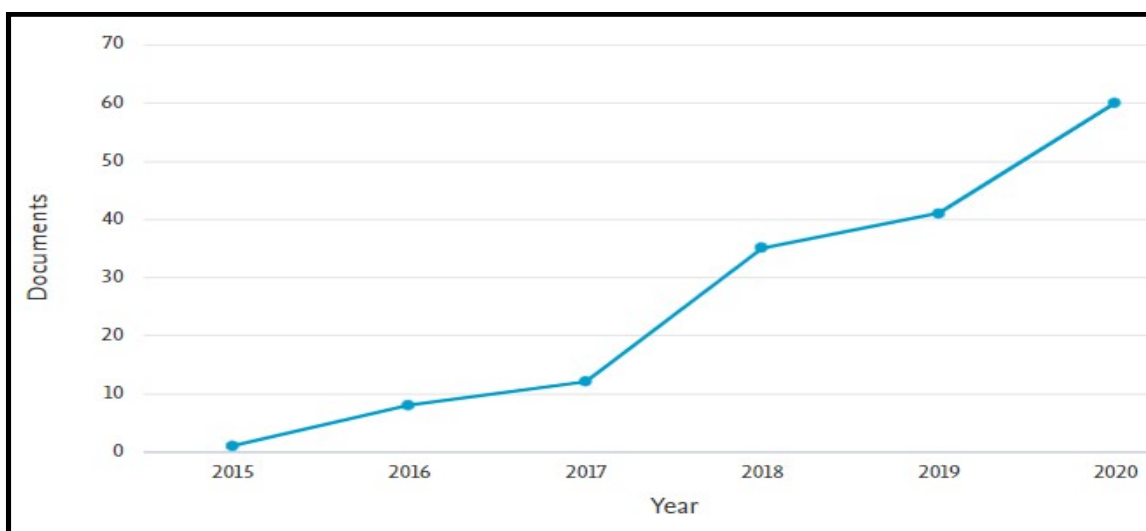
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## Research Contribution of the AUM till 2020

Amity University Maharashtra has published total 157 Scopus indexed Papers till the year 2020. The University has contributed 60 and 41 research papers in year 2020 and 2019 respectively.



**Figure 1 Scopus Publication by Amity University Maharashtra Year 2015 to 2020.**

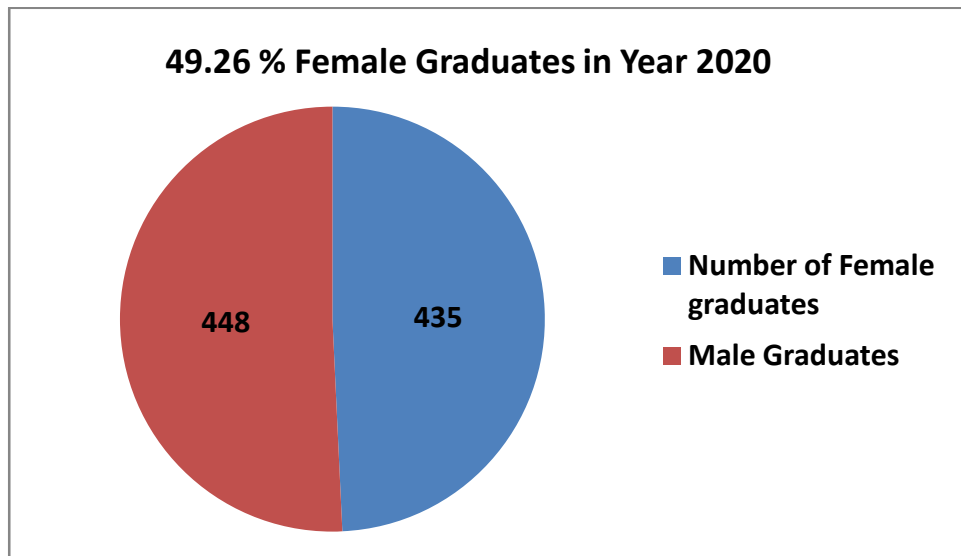




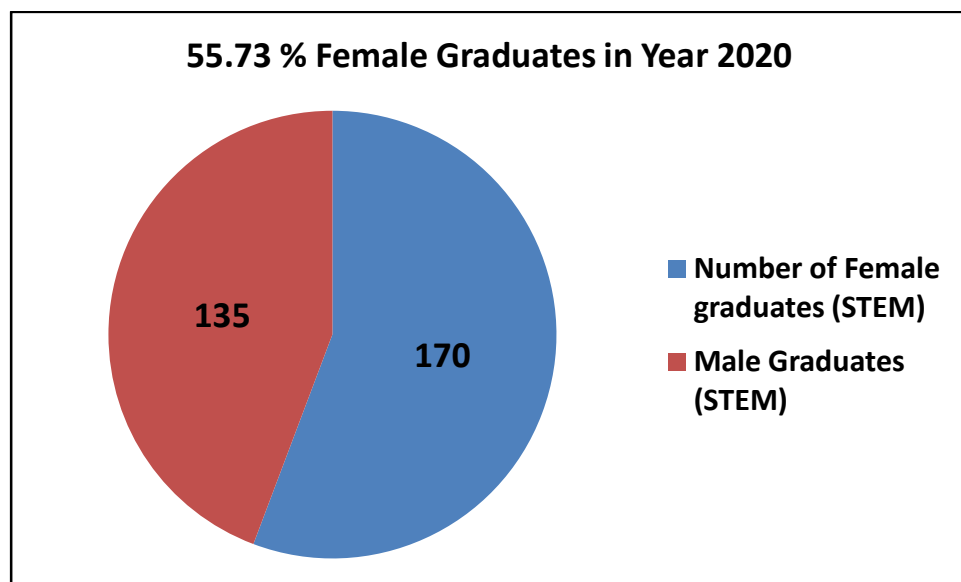
**Figure 1 Year Wise Scopus Publication by Amity University Maharashtra Year 2015 to 2020.**

### **Tracking Women’s Graduation Rate Year 2020**

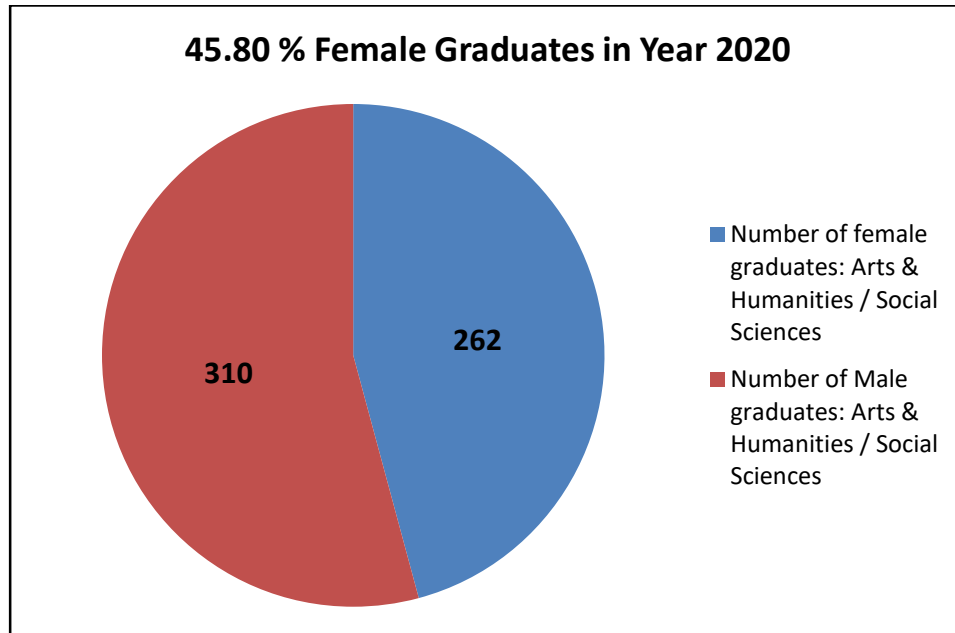
The AUM has overall 49.26 % female graduates in year 2020. There are 55.73 % female graduates in year 2020 in Science, Technology, Engineering, and Mathematics. There are 45.80% female graduates in year 2020 in Arts & Humanities and Social Sciences.



**Figure 3: Overall Female and Male Graduates in year 2020**



**Figure 4: Science, Technology Engineering and Mathematics Female and Male Graduates in year 2020**



**Figure 5: Overall Female and Male Graduates in Arts, Humanities and Social Science year 2020**

### **Students Selection in United Nation’s Millennium Fellowship 2020**

Amity University Maharashtra has focus on the development of social responsibilities and values among the Students and the Faculty members. The special efforts has been taken by the Environment Science Faculty Member to promote the prestigious Millennium Fellowship opportunity for the Under Graduate pursuing Student in the University. The effort in this direction has resulted into the selection of the 15 Students OF AUM to contribute into the UN’s Sustainable Development Goals (SDG). Student has got opportunity to understand the global scenario and efforts taken towards the sustainability. The Students have contributed into the Decent Work and Economic Growth, Quality Education, Zeo Hunger, Responsible Consumption and Production, Climate action, Good Health and well Being.

Sr.no	Student Name	Millenium Fellowship 2020
1	Mr. Abhishek Yadav	Decent Work And Economic Growth
2	Mr. Deepanshu Garg	Quality Education
3	Ms. Archita Biswas	Quality Education
4	Ms. Palak Gupta	Quality Education
5	Ms. Gayatri Nitin Joshi	Quality Education
6	Ms. Yogita Raju Patil	Quality Education
7	Mr. Finny Sam Thomas	Quality Education
8	Mr. Jovel Varghese Jose	Quality Education
9	Mr. Amit Nandi	Quality Education
10	Mr. Siddhartha Dutta	Quality Education
11	Ms. Natasha Karanjia	Zero Hunger
12	Mr. Chirag Kaushik	Zero Hunger
13	Ms. Mrittika Sarkar	Responsible Consumption And Production
14	Ms. Jyotsna J.	Climate action
15	Ms. Amisha Dusane	Good Health And Well-Being



UNITED NATIONS  
**academic  
impact**

Sharing  
a Culture  
of Intellectual  
Social  
Responsibility

 **Millennium  
Fellowship**

**JYOTSNA J.**

**Amity University  
Maharashtra, India**





**UNITED NATIONS academic impact**  
Sharing a Culture of Intellectual Social Responsibility

**Millennium Fellowship**



**AMIT NANDI**  
Amity University  
Maharashtra, India

**UNITED NATIONS academic impact**  
Sharing a Culture of Intellectual Social Responsibility

**Millennium Fellowship**



**SIDDHARTHA DUTTA**  
Amity University  
Maharashtra, India

**2020**



**Mrityika Sarkar**  
Amity University  
Maharashtra, India

**UNITED NATIONS academic impact**  
Sharing a Culture of Intellectual Social Responsibility

**12 RESPONSIBLE CONSUMPTION AND PRODUCTION**

**Millennium Fellowship**

2020



## Chirag Kaushik


Amity University  
Maharashtra, India



Sharing a Culture of Intellectual Social Responsibility




2020





## Natasha Karanjia

Amity University  
Maharashtra, India



Sharing a Culture of Intellectual Social Responsibility



2020



## Amisha Dusane

Amity University  
Maharashtra, India



Sharing a Culture of Intellectual Social Responsibility



2020



## Jovel Varghese Jose

Amity University  
Maharashtra, India



Sharing a Culture of Intellectual Social Responsibility



2020



## Finny Sam Thomas

Amity University  
Maharashtra, India



Sharing a Culture of Intellectual Social Responsibility



**2020**



**Yogita  
Raju Patil**

Amity University  
Maharashtra, India



Sharing  
a Culture  
of Intellectual  
Social  
Responsibility



**2020**



**Gayatri  
Nitin Joshi**

Amity University  
Maharashtra, India



Sharing  
a Culture  
of Intellectual  
Social  
Responsibility



2020



## Palak Gupta

Amity University  
Maharashtra, India

UNITED NATIONS  
academic  
impact

Sharing  
a Culture  
of Intellectual  
Social  
Responsibility



2020



## Archita Biswas

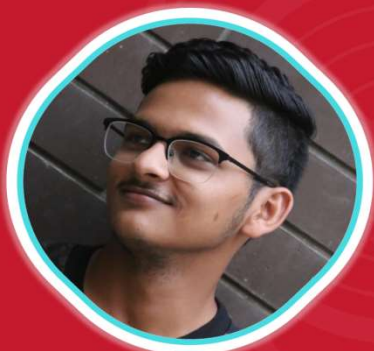
Amity University  
Maharashtra, India

UNITED NATIONS  
academic  
impact

Sharing  
a Culture  
of Intellectual  
Social  
Responsibility



2020



## Deepanshu Garg

Amity University  
Maharashtra, India

UNITED NATIONS  
academic  
impact

Sharing  
a Culture  
of Intellectual  
Social  
Responsibility





### **GOAL 1: No Poverty**

The University has made efforts to reduce poverty in society by conducting various activities conducted in joining efforts by the Student and faculty members, such as donating various necessary items to the nearby Fanaswadi Village. The food and clothes are distributed to the tribal and poor people.

The ASFDT school has conducted Design interventions for community outreach activities to enhance the cloth design skill of the village woman. The Activity has been conducted since 2016 and is conducted every year.

The University has donated and distributed the food packets during the Covid-19 pandemic.

### **Share Karein Care Karein**





Amity Institute of Behavioral and Allied Sciences, Amity University Maharashtra, organized the "Share Karein Care Karein" program with the idea of helping the socio-economically backward section of society. The intent of helping people was not because "we want to help someone" but of "helping people with what they need". Therefore, everyone from Amity Maharashtra came and donated something as a gift to this tribal community.

Date: 11th November 2018

Venue: Fanaswadi village near Amity University  
Maharashtra

Time: 6 pm to 9 pm

### **Event Name: Design Intervention For Community Outreach**

**School :** ASFDT

**Event Conducted:** Every Year 2016 onwards to date





Amity School of Fashion Design and Technology has been actively giving back to society through its dedicated Community Outreach Programme, 'Design Intervention for Community Outreach', wherein women of the neighboring villages/ peri-urban areas are trained in various design-oriented skills to become professionals and provide income generation opportunities. The courses include traditional Indian embroideries, techniques of crochet, macramé, pattern making & sewing. The course work includes creating beautiful hand-made fashion apparel, accessories, and other household products. Owing to an exceptional response to the course, Rotary Club (Smart-city) has signed an MoU with Amity School of Fashion Design and Technology. A full-fledged Certificate program consisted of six levels encompassing various skills of Fashion Design and Textiles. This program primarily aims at empowering them to be successful entrepreneurs or take up job opportunities in the fashion industry. Students actively participate in course development and teaching these courses. It is a rewarding experience for the students to work closely with the less privileged sections of society and make a difference in the lives of the community's people.

The program focuses on providing training in various design-oriented skills to women of the neighboring villages. To empowering them by opening avenues of income generation and helping them to become professionals.

1st Level - 'Traditional Embroidery Sitiches' (Paramparik Kadhai).

2nd Level - 'Traditional Embroidery and Yarn Craft.'

3rd Level - Introduction to Sewing and Basic Patterns (Foundation course for subsequent courses).

### **Event Details :**

**<https://www.amity.edu/mumbai/asfdt/event-detail-normal.aspx?mpgid=1821&pgidtrail=1822&typeld=2&EventsId=10318>**

### **Food Packet Distribution**

During the critical time of the CoVID -19 pandemic, the University has taken the initiative to feed the poor people and distribute the food items





## **MoUs active for GOAL 1: No Poverty**

### **MoU with Param Foundation**

The MoU is signed with Param Foundation after realizing the difficulties faced by the community living in the villages in the neighborhood of the University Campus. This exposure has equipped Amity University Maharashtra to technically understand the needs of the residents of these villages and carry out activities to equip them by skill and knowledge. The MOU is signed on 20<sup>th</sup> March 2020.

AUM has the intent and human resources to provide skill development and training in cutting and stitching and related areas for community development project in villages around AUM. Param foundation, Navi Mumbai has provided thirty sewing machines to ASFDT AUM as support in the area of skill development and training in cutting and stitching for community development.



### Collaboration with NGOs for SDGs

Amity Institute of Liberal Arts (AILA) at the Amity University Maharashtra collaborating with the various NGOs like Udan Foundation, YRG Care, Kotak Foundation, Wockhardt Foundation, Reliance Foundation, Shree Mukti Sanghatana, SWASTI, Childline 1098, Khula Asman, TISS CSR Hub, and Sanjeevani – Life beyond Cancer.

Through these collaborations, the Bachelor of Social Work (BSW) students actively participate in a field visits, social work, and community activities. The outcome of these activities is to provide awareness among the poor and deprived sections of society. The University's contribution is for the various Sustainable Development Goals such as Good Health and Well-beings, Zero Hunger, No Poverty, and many more.

Amity Institute of Liberal Arts - AUM has communicated with the five schools from the Bhatan village near Amity University Maharashtra, and the Students have started the fieldwork. Communication with the school principals initiated washing hands, value building, morale building, and inculcating healthy habits. Faculty Ms. Meera Limaye, Faculty member AILA initiated the Activity with the woman group and trained them for bread making and selling and starting a shop at Bhatan Village.

The summary of the activities ongoing with various NGOs as following.

NGO	Activity Summary
<b>YRG Care</b>	YRG Care works with HIV Positive children. They conduct residential camps. AUM Two students are working with YRG Care NGO
<b>Kotak Foundation</b>	Ms. Meera Limaye Madam communicated with CRC and arranged to send students for fieldwork and internship. In Even Semester 2020, a total of 8 students conducted fieldwork.
<b>Wockhardt Foundation</b>	In association with the Wockhardt Foundation, 02 Students have worked in the field, and the Organ donation awareness camps were conducted in 4 colleges. At Fanaswadi, fruit-bearing plants donated 02 pants for each house. A total of 70 plants were



	donated.
<b>Reliance Foundation</b>	AUM Four students worked for the fieldwork and internship. They work on-site at slum areas Navi-Mumbai, Aeroli, Katkari Pada, Working on Mal-Nutrition.
<b>Shree Mukti Sanghatana</b>	AUM 01 Girl Student worked as an intern, and she created the group of Ragpickers women. In addition, she created awareness about savings and Wet Compost making camp. The Activity resulted in the In-orbit space, Big Bazaar (Vashi).
<b>SWATI</b>	SWATI works in Community development (Health-related, prevention, and awareness). During the State level meeting, the BSW faculty received an Award and trophy. There is planning to conduct a WASH project in collaboration. In addition, SWATI people Visited Amity and conducted a lecture.
<b>Khula Asman</b>	Khula Asman works on the Psychology issues of children, Community development. How to council on movement therapy (Use of Dance), Best out of West. Two students of AUM conducted a leadership development and team-building workshop near a Lallu Bhai Compound Municipality school.

## GOAL 2: Zero Hunger

### Food Packets Distribution during Covid Time

As a vision to help the low-income families in the difficult times of Covid- 19, AUM has planned the food packet distribution. Apart from the daily administration of our campus and related issues, AUM undertook Social Obligations, and distributed 1250 food packets to the needy over three successive days, from 03 to 05 May 2020, by venturing into, Red Zone areas.



Food packets distribution was organized on 03,04 and 05 May 2020, at Panvel Municipal Corporation (PMC), for relief camps, under them. The Packets are prepared, at AUM, in the canteen, and the distribution team includes Mr. L Choughule, Assistant Director Security, Mr. Ketan Mukadam, Senior Executive Admin and Supervisor, and two support staff with AUM driver. In addition, food packets are distributed to a Police Post in Panvel at Village Phanaswadi, a tribal village near AUM, in addition to PMC.

The Food Packets Distribution to poor people and migrant workers is done as per the Directions from Hon'ble C VI sir. Total budget for food packets: Rs. 25,000/- . The University authorities have coordinated with the local authorities and distributed the food packets at authorized locations. The photographs have been taken at the time of distribution.

**[Yoga Club Amity Mumbai with Gayatri Pariwar Mumbai Youth Group Dated 18th Aug at Sangli 2019.](#)**



Yoga Club Amity Mumbai, in association with Gayatri Pariwar Mumbai Youth Group, has taken the initiative for flood relief. Due to the flood in Western Maharashtra (India) regions like Sangli, Kolhapur, and Satara. Many people got trapped in this flood, and they were in bad condition and needed help and support.

The contribution by the faculty and students have done in either of the below three ways:

- A) Prepare kits from home of selected items
- B) Contribute individual items from the list
- C) Monetary contribution with which we will prepare the kits

Option A) Kit from home including edible items minimum 1kg each of Rice, Any Lentil, Wheat flour, edible oil, and spices. These items can be given in one bag.

Option B)

**\*List of NEEDED ARTICLES\***

1. Milk Powder
2. Sugar
3. Tea Powder
4. Bath Soap
5. Edible Oil
6. Wheat Aata, Salt, Rice, Dal



7. Match Box
8. Sanitary Napkins
9. Antiseptic Cream
10. Electrol Powder
11. Ready-to-eat items like Biscuits, Namkeen etc.

**Option C)** No hard cash contributions transfer only. The donation is made through Paytm/google pay/PhonePay/Payzapp etc, @9323612230\*

The Screenshot are used.

### **COLLECTION CENTRE**

Main Building,

Near Entrance Gate,

Amity University

Mobile: Dr. Rekha 9820794095

#### **Student coordinator:**

Ms. Anjana 9000922483 ( The material contributions in respective cartons was kept near Entrance).

\*The Contributors contributed from 15th to 16th August up to 4 PM. The packets were distributed on 18th Aug at Sangli. The small contribution done by each member from AUM has contributed to the social cause.

## **Students Selection in United Nation's Millennium Fellowship 2020**

Amity University Maharashtra has focused on developing social responsibilities and values among the Students and the Faculty members. The Environment Science Faculty Member has made special efforts to promote the prestigious Millennium Fellowship opportunity for the Under Graduate pursuing Student in the University. The effort in this direction has resulted in selecting the 15 Students of AUM to contribute to the UN's Sustainable Development Goals (SDG). The Student has got an opportunity to understand the global scenario regarding SDG Goal 2- Zero Hunger. The students have interacted with the other Millennium fellows students from all over the World, participating from the different universities of the World. Students were prepared the various



awareness activities to contribute towards the outcome of the Zero Hunger Goal. As a result, two Students got selected to have SDG 2: Zero Hunger.

Sr.No.	Student Name	Millennium Fellowship 2020
1	Ms. Natasha Karanjia	Zero Hunger
2	Mr. Chirag Kaushik	Zero Hunger



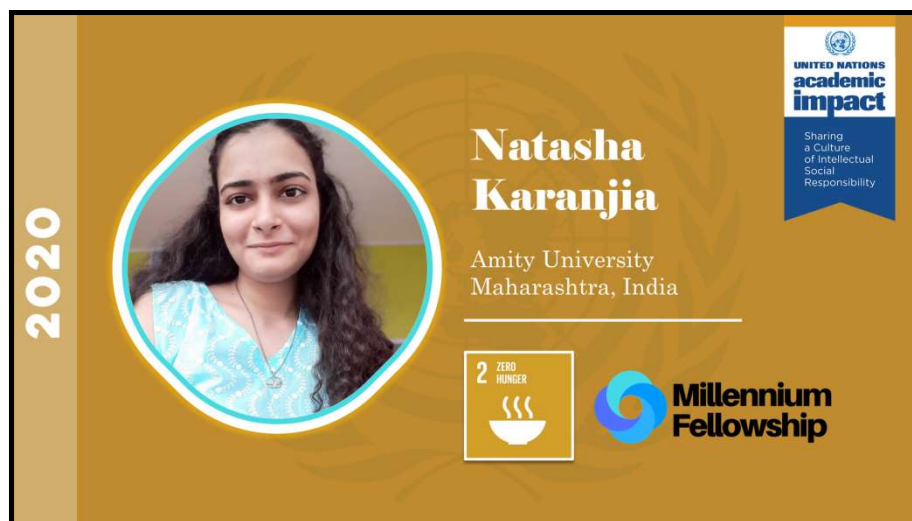
2020




**Chirag Kaushik**  
Amity University  
Maharashtra, India

UNITED NATIONS  
**academic impact**  
Sharing a Culture of Intellectual Social Responsibility

2 ZERO HUNGER





2020



**Natasha Karanjia**  
Amity University  
Maharashtra, India

UNITED NATIONS  
**academic impact**  
Sharing a Culture of Intellectual Social Responsibility

2 ZERO HUNGER





### GOAL 3: Good Health and Well-being

AUM has signed MOU with Jagruti Rehabilitation Center to combat mental health at the individual and community level. MoU is signed with the Society for the Rehabilitation of Crippled Children for the training, testing, analysis, and implementation of therapy. MoU is signed with the Public health department for the student training in Clinical psychology. MoU is signed with LTM Medical College and General Hospital Sion for the psychotherapy sessions. MoU is signed with the Institute of Acupuncture and Natural Medicine, New Delhi.



AUM has conducted the "Share Karein Care Karein" program at Fanaswadi village near Amity Mumbai. The activity is to help the socio-economically backward section of society with the intent "we want to help someone" but of "helping people with what they need". Everyone from Amity Mumbai came and donated something as a gift to this tribal community. The Clothes, stationery, toys, books, water bottles, Tiffin boxes, accessories, shawls, bed sheets, footwear, bags, sanitary napkin packets, and toiletries are donated.

The Construction workers workshop is arranged to understand levels of stress management. The 30 workers appreciated and reported relief in their stress levels post-workshop.

International Day against Drug Abuse and Illicit Trafficking was conducted on 26 June 2020. AUM celebrated 5th International Yoga Day on Friday, 21 June 2019. A yoga session with training and practice session conducted from 9.30 to 10.30 am by the Yoga Trainer Mr. Sharad Joshi.

Yoga Sessions conducted from 5.00-6.00 PM on Monday to Friday for Asana, Pranayam and Meditation techniques dated 21 January 2019 onwards. One-hour Yoga Workshop at AUM by Mr. Dilesh Telwane, Yoga University, Navi Mumbai on 10 October 2019.

The University shares the Sports facility with the neighboring village Bhatan and Bhatan Pada people and invites them to come and play various games on the cricket basketball court, football court, and volleyball court. The friendly matches are games played between the villagers and the employees of the University. The village government school students are also invited to play the games on the University Playground.

The Amity Clinic was established on campus to provide health care facilities. The doctor is appointed to look after the student and employee health and medical issues. The facility also includes sexual and reproductive healthcare services. Special counseling is provided to the students with the expert Doctor in the field, and the counselor from the AIBAS-AUM School.



AUM- Counseling Centre "Way for Well-Being", is an initiative by AIBAS/ Dean Student Welfare during this pandemic and beyond. The center focuses on the emotional and behavioral wellbeing of Amity students. The counseling services are available to all students on all working days for two hours, based on prior appointments. AIBAS published the newsletter on "Mental Health & Suicide Prevention" dated 8 November 2019, PsychInsight Edition 1. AIBAS has arranged First National Conference on "Community Mental Health: Exploration and Explanation" being organized by AIBAS on 14th and 15th February 2020 in Auditorium A1 block and released a book of research articles and abstracts for all students and faculty members.

## List of MOUs

Level	Partner for SDG	Contribution to SDG
<b>International</b>	University of Cincinnati	SDG3
<b>International</b>	Wuyi China and Evergreen University	SDG3
<b>National</b>	Institute of Acupuncture and Natural Medicines, New Delhi.	SDG3
<b>Regional</b>	LTM Medical College and General Hospital Sion, Mumbai	SDG3
<b>Regional</b>	Jagruati Rehabilitation Center Taloja, Navi Mumbai	SDG3
<b>Regional</b>	Public Health Department Government of Maharashtra	SDG3
<b>National</b>	Prokaryote Lab	SDG3 & SDG4
<b>National</b>	VrovaFacets	SDG3 & SDG4
<b>National</b>	Annotation Analytics	SDG3 & SDG4
<b>National</b>	Gumpro	SDG3 & SDG4

### MOU with University of Cincinnati

The Amity Institute of Biotechnology and the University of Cincinnati entered into the cooperation between their faculty and scientists, departments, and research center within fields that are mutually acceptable and visits by and exchange of doctoral students, faculty members, and scientists for research and courses. The Scope of the MOU covers Intellectual Property and Publications for the duration of 5 years. The MOU is signed on 13th April 2021.



### **MOU with Wuyi China and Evergreen University**

Symposium on Art, Culture, and Mind is organized to bring together students from AIBAS, Amity University, India; WuYi University, China; and The Evergreen University, USA, to share the cross-cultural ideas on Art, Culture and Mind, specific to their country of origin and culture. Our objective for the Symposium is for students to interact in small groups and then share their new learning and cultural competency in the larger group. Under the Collaboration, the International Symposium on Cross-Cultural Learning “Art, Culture and Mind” were conducted on November 21, 2020

### **MOU with Prokayote Lab (Hydrocarbon)**

Amity Institute of Biotechnology at Amity University Maharashtra and Prokaryotes Lab Pvt. Ltd, Bangalore, India entered into 15th July 2019 on Sustainable Development Goals and following objectives

- a) Conduct joint research activities on the project entitled "Development of Hydrocarbon degrading Kit" and within the fields of interest with projects that are mutually agreed upon and subject to the availability of funds.
- b) Participate in conferences, symposia, and seminars of mutual interest
- c) Collaborate in joining research in the thrust areas of the respective company institute, and file patents, and publish research findings.
- d) Cooperate to solicit joint proposals for funding from various funding agencies and exchange scientific information and documentation, both written and electronic.

### **MOU with Vrovafacets**

Amity University Maharashtra and Vrovafacets Private Limited Bangalore Signed MOU on 5th January 2021 for Sustainable Development Goals and in the benefits of the Community with the following objectives:

- a) Conduct joint research activities on the project entitled "Product of high-quality food-grade agar from seaweed" and within the fields of interest with projects that are mutually agreed upon and subject to availability of funds.
- b) Participate in conferences, symposia, and seminars of mutual interest



c) Collaborate in joint research in the thrust areas of the respective Company-University, file patents, and publish research findings.

d) Cooperate to solicit joint proposals for funding from various funding agencies and exchange scientific information and documentation, both written and electronic

### **MOU with Annotation Analytics**

Amity University Maharashtra and Annotation Analytics Pvt. Ltd, Gurgaon Haryana, Singed MOU on 9th December 2019 for Sustainable Development Goals and in the benefits of the Community with the following objectives:

a) Conduct joint research activities on the project entitled "Product of high quality food grade agar from seaweed" and within the fields of interest with projects that are mutually agreed upon and subject to availability of funds.

b) Participate in conferences, symposia, and seminars of mutual interest

c) Collaborate in joint research in the thrust areas of the respective Company-University and file patents, and publish research findings.

d) Cooperate to solicit joint proposals for funding from various funding agencies and exchange scientific information and documentation, both written and electronic

### **MOU with Gumpro**

Amity University Maharashtra and Gumpro Drilling Fluids Pvt Ltd, Mumbai Singed MOU on 6 November 2019 for Sustainable Development Goals and in the benefits of the Community with the following objectives to execute the project entitled "Production of Gum for drilling fluids using biotechnological approach", subject to the availability of funds. Under the Collaboration, the Chiller Unity for Reactor equipment was delivered and installed.

### **MOU Signed with the Society for the Rehabilitation of Crippled Children**



AIBAS -AUM Singed the MoU with the Society for the Rehabilitation of Crippled Children dated 23 September 2019. The Collaboration is for the Approval for placing M.Phil. Clinical Psychology Students and the future activates related to Good Health and Well-being.

### **MOU Singed LTM Medical College and General Hospital Sion, Mumbai**

AIBAS -AUM Singed the MoU with LTM Medical College and General Hospital Sion, Mumbai Dated 26 December 2019.

### **MOU Singed Jagruti Rehabilitation Center Talaja, Navi Mumbai**

AIBAS-AUM has signed the MoU with Jagruti Rehabilitation Center Talaja, Navi Mumbai Singed dated 12 February 2020 for the following objectives.

- Capacity Building in Primary Care to deliver quality mental health.
- Provide quality secondary care and advice to primary Care
- Use Principles of Clinical Psychology as appropriate
- Enhance public education on mental health to combat stigma against mental health
- Collaboration to enhance mental wellbeing
- Participate in developing training in mental health at the individual and community level.
- Mental Health training to providers of education and social work.

### **MOU Singed Public Health Department Government of Maharashtra**

AIBAS-AUM has signed the MOU with the Public Health Department Government of Maharashtra. Dated 4 January 2020

### **MOU with the Institute of Acupuncture and Natural Medicines, New Delhi.**

The memorandum of Understanding is signed on 9 December 2020 between the Amity University and Institute of Acupuncture and Natural Medicines, New Delhi.

The possible areas of cooperation are

- a) Joint Research
- b) Joint projects
- c) Dissertation projects for AU and IANM
- D) Organizing Join Seminars and Conferences
- e) Joint publication
- f) Internship to the Students
- g) Any other collaborations deemed to be fit from time to time.

### **Amity Clinic**

AUM has established the Amity Clinic at the University premises with necessary facilities to treat a patient with urgent and first aid requirements such as Wheel Chair, Bed, Oxygen Cylinder, Medicines, Medical Doctor and Nurse to look after the patient may be a student, staff or visitor.







## STRESS MANAGEMENT IN CONSTRUCTION WORKERS

A workshop was conducted for 30 highly stressed workers who were handpicked on the basis of their results on the questionnaire. Initially, the workers were given a brief introduction about what stress is, the various causes of stress, its damaging effects, the importance of stress etc.





A rapport was created before we conducted the activities; we made sure that the workers were comfortable with the environment. The activities consisted of interactive sessions that the workers thoroughly enjoyed and had an eye-opening learning experience.

The survey was designed with the help of their mentor. It was divided into five sections- Demographic Details, Family Details, Work Details, Stress and Recreation and Recreation and Leisure Time Activities. They were also asked if they ever thought whether they felt 'life was worthless.' To maintain confidentiality, the name was taken according to a CWID, which consisted of their initials and their age. Under 'Stress and Recreation,' 'yes/no' was provided, and if 'yes' was answered, they were asked to rate from one to five, one being the lowest and five, highest. The questionnaire gave us information about any medical ailments they had, the strength of their family, and how financially strong they were. We also got some brief information about the kind of work they are currently doing and how much they're getting paid for it. They were asked time and again if they're satisfied with their work so that if there was any kind of glitch or a stutter and if they were lying about things. They were asked about their future plans to see how satisfied or dissatisfied they were with their job. Recreational activities were also questioned to know if they have involved themselves with any substances and if so, we asked how much they consumed and determined if it could be categorized under bus

The activities conducted were as follows-

- 1) Bursting the Balloon- A balloon was given to each participant, and they were asked to go around and pop each other's balloons. After a few seconds, only a few people had balloons still in their hands. The balloon here indicates stress, the participants were busy bursting/ helping others with their stress, they didn't think about their own stress.



2) Passing the ball- The participants were split into five groups of six people each. One group was called at a time, and they were given balls, of different shapes and colors, at intervals. Each ball was indicative of one kind of stress, and they were asked to stand in a circle in an orderly manner (they were given numbers). They were asked to pass around the ball in that order, one by one. Eventually, there were many balls for them to handle, and they dropped at least one ball. The activity was repeated with all the groups one by one. This shows that if you juggle a lot of things at once, you will get stressed and lose control of some important aspect of your life.

3) Popping the Balloon- There participants were given one balloon each, and they were asked to blow the balloon as big as they thought their stress level was. Extra balloons were provided if needed. After everyone had at least one balloon blown by them in their hand, they were asked to pop their respective balloons and then were asked how they felt after they burst their stress. The aim of this activity was to show them that people get stressed because of overthinking and excess work. The balloon popped because there

was too much air in it, and letting out all the negative emotions relaxes the mind and helps overcome stress.



These activities were followed by a lecture on stress management which highlighted their main causes of stress. This lecture also facilitated ways to reduce these stressors, which was well understood by the workers. A yoga session was later conducted, which helped them feel some peace and calm at the moment. The session was conducted by a third-year student who is a part of AmiYoga. The two sessions combined helped them understand effective stress management.

A vote of thanks was delivered, and feedback was taken from the construction workers about the workshop. They were presented with hampers at the end of the workshop and were provided with refreshments after concluding the session.

## Workshop on Art Based Therapy



Art in some or other form is used by each and every person of the society regardless of their age, religious, ethnic, socioeconomic, or geographical background. Now it is well accepted and considered useful with children and old age people as well. So Amity Institute of Behavioural and Allied Sciences organized one workshop on Art Based Therapy for all first-year students by Khula Asman team dated 13 March 2019. A total of four trainers facilitated the workshop in which they divided 130 students into four groups. It helped the students to gear up themselves to use the creativity in them when dealing with people facing emotional and mental problems. Some of the basic ideas worked on were:

- 1 Connecting emotions with the body.
- 2 Improving ability to convey thoughts and emotions in a more comfortable manner.
- 3 Understanding of one's self.
- 4 Bringing out the inner self through art and creativity.
- 5 Anchoring one's emotions and then helping out others.

Students were told about places and circumstances where these elements can be implemented in daily life. Activities like drawing and acting also took place in the workshop. Overall the workshop through the easiest way but effectively conveyed the message.

### Ami-Yoga Club Activity

The club aims to achieve the holistic development of students and help manage stress and anxiety. The practice of yoga keeps students relaxed, imbibes the right attitude in them, and brings together physical and mental disciplines to achieve a peaceful body and mind. The regular practice of yoga also helps in increasing flexibility, muscle strength, and body tone. The club sensitizes and motivates students to engage in regular yoga practices, including sessions on Surya Namaskara, Pragyia Yoga, and Pranayama, after college hours. Ami-Yoga invites eminent speakers to increase awareness about the various benefits of yoga in daily life. Ami-Yoga also celebrates International Yoga Day every year with much fanfare on the premises.



### Free Medical Checkup Camp

A free medical health checkup camp for villages of Bhatan and Bhatanpada, Rigadh Maharashtra organized by Amity University social work students with the support (AKK) Asha ki kiran foundation, Panvel and (TEAS) Tarai Environment Awareness Samiti NGO working in Health & Education sector on 8 February 2019, Day- Friday at Raigadh JILA PARISAD SCHOOL- Bhatan, Panvel. Health specialists of AKK foundation, including one physician and a dentist with team members of AKK arrived at the school at 11:30 setup

with standee, banners, and basic medicines including first aid box were set up by member's and amity social work volunteers. Social work students had spared the invitations of free health checkup camp in the village by distributing pamphlets door to door. Free physician examination and dental checkup were provided approximately 160 people from the village, including school students of Bhatan came for a health checkup, doctor's advised them varies medicine and consultation during camp. Camp for successfully organized under the guidance of Mrs. Meera Limaye and Mr.Pandurang sir social work faculties from AILA, AUM. Camp was coordinated by Noor, Surabhi, Happy, Sebin, Saaz, Arpan, Ajay, Divyesh, Kratika, Kajal and Tannushriya .

### SOME PICTURES OF HEALTH CAMP (Date- 8 th February 2019)



### Social Work Exposure visits

Amity Institute of Liberal Arts has conducted the exposure visit to understand the social work opportunities in Collaboration with the various NGOs working in the health and wellbeing domain. The students have understood.

No	Date	Name of Organization	Working on Issues	Place
1	16/08/2019	Paraplegic Foundation	Physically challenged	Sion
2	23/08/2019	Khula Aasman	Movement Therapy	Mankhurd
3	30/08/2019	Aasha Ki Kiran	De-addiction center	Panvel
4	06/09/2019	Shantivan	Leprosy and old age home	Panvel
5	13/09/2019	Udan Trust	HIV/AIDs	Panvel
6	20/09/2019	SUADHA	Rehabilitation and Tribal welfare	Kalyan

## Ami Psyche Club Activity

Ami Psyche Club promotes and spreads awareness about mental health and wellbeing through simple day-to-day practices as well as activities.



The Club members organize activities that revolve around social ties to foster bonds and friendships to deal with stress and anxiety issues; a sense of purpose to give a meaning (direction) to life and enhance mental and emotional wellbeing of people; understand challenging and novel experiences to learn perspective as well as learn the art of connecting to people to stimulate healthy growth.

Apart from these activities, members of the Ami-Psyche Club meet regularly to plan and organize small group discussions, team building games etc. Different events of Ami-Psyche emphasize on



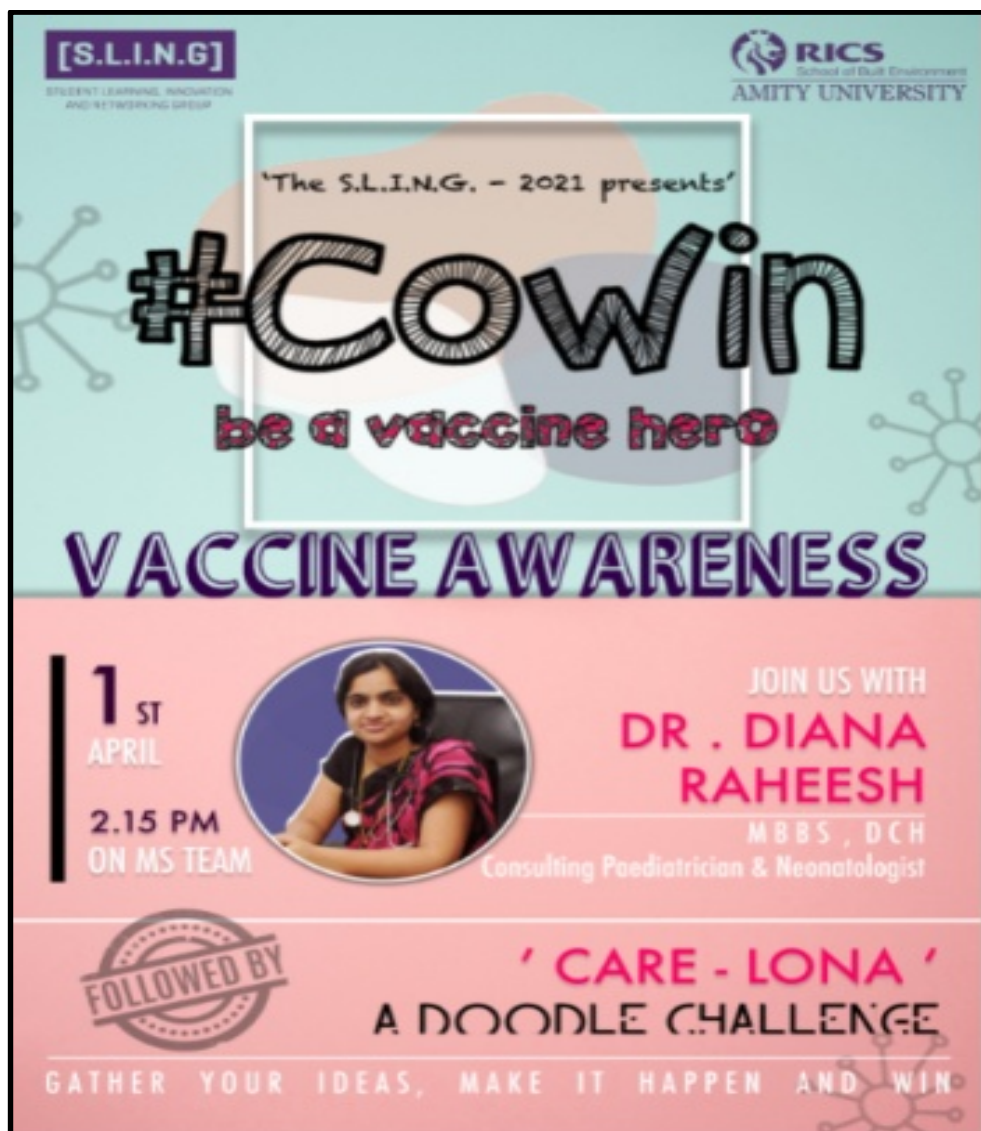


- Social Ties: The importance of bonds and friendships are explained to individuals to help them cope with stress and problems
- Developing A Sense of Purpose: Helping students to develop a perspective on having a sense of purpose to lead a quality life and maintain strong wellbeing physically, mentally, and spiritually.
- Learn the art of challenging: Various activities make students experience challenges and learn key lessons from adverse situations. The club activities provide a conducive environment, resources, and support to overcome challenging situations that stimulate personal growth and mental wellbeing.

A wide range of activities which were organized on significant occasions included a street play (skit) titled 'Suicide Prevention' on the occasion of Suicide Prevention Day (10-11 September); a 'Smile' contest to mark World Smile Day (6 October); an event on World Mental Health Day (10 October); 'Acts of Random Kindness (ARK) to commemorate World Kindness Day (11-13th November); a short film contest to mark International Day of Social Justice (20 February); an event on Zero Discrimination Day (1 March); Poster contest titled 'What's Your Happiest Memory?' to commemorate International Day of Happiness (20 March); and an event on World Health Day (7 April). These events and activities sensitized people to the importance of emotional wellbeing.

### **Lecture Arranged by RICS SBE AUM**

CoWin Be a Vaccine Hero, an awareness session by Dr. Diana Sahesh conducted on 1 April 2020, who has been a warrior in the fight against this virus since the beginning, shared her views on Covid Vaccines and Q &A



## Memorandum of Understanding with Institute of Acupuncture and Natural Medicines, New Delhi

The memorandum of Understanding was signed on 9 December 2020 Between Amity University and the Institute of Acupuncture and Natural Medicines, New Delhi.

The possible areas of cooperation are

- a) Joint Research
- b) Joint projects
- c) Dissertation projects for AU and IANM
- D) Organizing Join Seminars and Conferences
- e) Joint publication
- f) Internship to the Students
- g) Any other collaborations deemed to be fit from time to time.

## Comprehensive Program on Screening and Prevention of Suicide in Young Adults

The course is part of UNESCO's Open Education for a Better World Project. It is completely free of cost and online. The course is a type of small training for all the participants, which will require minimum involvement of 15 to 20 hours of investment in total. The main objective of the course is to provide the right knowledge of suicide sensitization, required skills in identification, screening, and assisting at-risk youth (Assessment and counseling skills), and promotion of suicide prevention (campaigning and sensitization in higher education campuses and other platforms).



**Course Developer:** Dr. Rekha Waghani , PhD (Psy)

**Mentors:** Linda Mebus (TU Delft- Netherlands) and Marija Komatar(Slovenia)

**Mode:** Online Open Course

### GOAL 4: Quality Education



The AUM has regular practice to arrange the programs to provide the quality education and value addition in recent topics in the various fields. All schools at AUM arrange various programs for the school specific and encouragement of the participation from the outside of the University.

The various programs such as Career Counseling Lectures, Webinars, Expert Talks, Workshops, Seminars, conferences, conclaves, Faculty Development Programs, Community training programs, Sports activities, Yoga and Club activities are regularly conducted by the all schools in year 2019 & 2020. The education activities includes the sessions and knowledge transfer activities for participants from outside of the University. The sessions are arranged considering by and large not only the professional education, but considering the sustainability as one of the target.

### **Students Selection in United Nation's Millennium Fellowship 2020**

<b>Sr.no</b>	<b>Student Name</b>	<b>Millenium Fellowship 2020</b>
1	Mr. Deepanshu Garg	Quality Education
2	Ms. Archita Biswas	Quality Education
3	Ms. Palak Gupta	Quality Education
4	Ms. Gayatri Nitin Joshi	Quality Education
5	Ms. Yogita Raju Patil	Quality Education
6	Mr. Finny Sam Thomas	Quality Education
7	Mr. Jovel Varghese Jose	Quality Education
8	Mr. Amit Nandi	Quality Education
9	Mr. Siddhartha Dutta	Quality Education

### **MOU with List of Foreign Universities for Quality of Education**

List of foreign institutes having exchange programs (both student and faculty) with our institutes. The Global Study Programmes and 3 Continent programmes offered by Amity University Maharashtra in collaboration with the Following universities.

1. University of Birmingham



2. University of Queensland, Australia
3. Deakin University, Australia
4. Queen Mary University of London
5. Curtin University
6. Swinburne University of Technology
7. University of Northampton
8. University of Canberra
9. RMIT University
10. Brunel University, London
11. University of New Castle, Australia
12. University of Denver
13. Adelphi University, New York
14. University of Massachusetts, Amherst
15. Presidio Graduate School
16. Iowa State University
17. Monash University
18. University of Western Australia
19. University of Kentucky
20. University of Portsmouth
21. La Trobe University, Australia
22. University of Roehampton, London
23. Columbia University/
24. John Hopkins University – whiting school of Engineering
25. Lincoln University

## Events Conducted by Amity Business School

Sr. No.	Name of the Event	Short Description of the Event	Date of the Event	AUM Resource	Outside participants Woman	Outside Male Participants
1	Faculty Development Program on Research and teaching pedagogy	FDP was aimed at: Crafting a Class and Case analysis using participative tools Use of Project Matrix as pedagogy for effective teaching and a live project discussions Inception of Research frame as pedagogical effectiveness in class and curating publications Operations Research as instrument for making impactful learning in class-room by improving pedagogical innovation Delivering an effective class using mixed pedagogy including electronic methods and case writing with students New age content for effective class design Co learning and design of curriculum Experiential learning and mapping of gaps in students approach for effective career outcome Creating Students driven institutional framework Managing E learning / Blended learning to improve learning outcome	17th-19th July; 29th -31st July 2019	Prof. Ashok Pundir, NITIE, Prof. Ganpathy, NITIE, Prof. Saurav Borah (IIM Ahmedabad)	12	8
2	Workshop-MCX-IPF Interactive session	An interactive session for MBA students on commodity market exchange in India, regulated by SEBI. The session aimed at training the young minds on risk management using financial instruments like futures and options.	06-Sep-19	Shrikant Koundinya, Training & Education Department, MCX India.	35	30
3	Symposium On "Corporate Seeding and Career Progression"	Invited guests discussed on the pre requisite preparations to enter the corporate world.	18-Oct-19	Mr. Alok Sheopurkar, Head-HR HDFC Funds Mumbai, Dr Chandra Mauli Dwiwedi, Head-HR, ESDS, Mumbai and Dr. Rani	101	79

				Desai, Managing Partner, Center of Strategic Mindset,		
4	Workshop On Experimental Marketing	The objective of workshop was learn managing brand media investment , strategic and executional decisions on media plans for their brands & Media planning + Strategy	23-Nov-19	Mr. Mrutyunjay Mohakul	10	15
5	Webinar-Cross Cultural Connection of Digital Transformation	The webinar is aimed to inform the students about cross cultural connection of digital transformation. Digital transformation is the process of using digital technologies to create new — or modify existing — business processes, culture, and customer experiences to meet changing business and market requirements. Failure to align the effort with employee values and behaviors can create additional risks to an organization’s culture if not managed properly, whereas a comprehensive and collaborative effort can help shift the culture to understand, embrace, and advance digital transformation.	08-May-20	Professor Jessica Lichy, ICDRAC Business School, Lyon, France	45	40
6	Professional Coaching Program	Webinar Series is a knowledge sharing session that provides a forum for professionals across the globe to come forward and share their expertise, innovations in practice, recent findings from their field with budding & aspiring Management students.	23 Oct & 27 Oct 2020	Dr. Ameya Tanawade and Dr. Himani Singhal	100	104
7	Workshop on Recruitment Metrics & Analytics	Recruitment Metrics and Operations workshop was conducted for MBA HR students with the objective of helping the students to understand recruitment analytics on a deeper and more practical level	05-Dec-20	Ms. Shefali Paliwal, HR Manager at Liberty Mutual Insurance	12	8
8	Simulation Faculty Deveopement Workshop	Simulation is normally used to assess the current, or predict the future, performance of a business process. The concept is designed to help practitioners and business owners discover new ways to improve their business processes through the use of mathematical, statistical and other analytical methods. Whipped Tool game tournament was played between four faculty teams.	28-Nov-20	Dr. Maninder Khalsa / Mrs. Roopa G, Learnbiz Solutions	7	5

9	Workshop on Market Forecasting and Modelling	A domain workshop on Market Forecasting and Modelling was organized for the third semester students of MBA (Marketing and Sales) and MBA (General- Marketing) with an objective of enhancing students' understanding of application of market forecasting tools in various business contexts. The four hour rigorous workshop was conducted on December 3, 2020 through Microsoft Teams.	03-Dec-20	Mr Mrutunjay Mohakul, Lead - Measurement and Research (Brand Strategy / Sales), ByteDance,	10	15
10	Workshop on Six Sigma for international operations	Six Sigma is a method that provides organizations tools to improve the capability of their business processes. This increase in performance and decrease in process variation helps lead to defect reduction and improvement in profits, employee morale, and quality of products or services.	05-Dec-20	Mr. Sameer Kumar- Co-Founder Apex Ally	52	38

### Events Conducted by Amity School of Applied Science

Name of the Event	Short Description of the Event	Date of the Event	AUM Resource	Outside participants Woman	Outside Male Participants
Quiz	Organized annual 'Science quiz competition on theme 'Science in everyday life'	02/08/2019	Online mode	51	38
Webinar	Webinar on the topic "Build your resume to succeed in post-pandemic world"	18 <sup>th</sup> May 2020	Faculty Trainer, Online Lectures	31	42
Webinar	Webinar on "The Higgs Boson, Gravitational Waves, and First Image of a Black Hole Discoveries that Marked the Decades"	4 <sup>th</sup> June 2020	Faculty Trainer, Online Lectures	23	41



## Events Conducted by Amity School of Engineering and Technology

Name of the Event	Short Description of the Event	Date of the Event	AUM Resource	Outside participants Woman	Outside Male Participants
TECHNICIA 2K19	The main objective was to foster innovation and the amalgamation of various interdisciplinary fields of engineering. In total 20 events were planned which attracted a footfall of approximately 800 students. TECHNICIA 2K19 decorated the campus premises incorporating the constructional waste and converting it in to master pieces for every event. The students utilized innovative ways of portraying each and every event with expressive models.	28/01/2019	Faculty and Infrastructure resources	300	500
Seminar on “Native Android Development Using Kotlin”	The objective of this technical lecture was to enlighten our students about “Native Android Development Using Kotlin”.	20/02/2019 to 21/02/2019	Faculty and Infrastructure resources		
6th Go Kart Design Challenge/Galgotias University and Buddh International Noida	GKDC is a contest formulated to enhance the approach of students practicing Engineering and Diploma courses. This event is fundamentally all about designing and fabricating a Go Kart at very low expenditure. Teams have to manufacture Go Karts yielding optimum performance. The teams participating in this contest have to go through two rounds, Pre-Final Round (PFR) and Final Round (FR)	22/02/2019 to 28/02/2019	Faculty and Infrastructure resources	0	8
Funding Proposal and Research Publications	The main aim of this seminar was to disseminate the information to the faculty and researchers about the quality writing of research papers, selection of reputed journals, Thesis writing and how to write funding proposal.	03/11/2019	Faculty and Infrastructure resources	10	25
Live Practical Workshop on Defense UAV	UAV's and Quadcopter making Workshop will benefit our students and will also attract many participants from other colleges.	14/03/2019 to 15/03/2019	Faculty and Infrastructure resources	5	15

<p>Workshop on “Introduction to Python Programming</p>	<p>The workshop began with the speaker introducing Python as a programming language. The major advantages and uses of Python was discussed. The workshop focused on a hands-on approach for students to get familiar with the Python language. The main objective was to teach the students basic programming concepts in Python and familiarize the students with packages like Numpy and Matplotlib that are useful for Linear algebra and data visualization, which would further motivate them into exploring different computer science paradigms based on Python.</p>	<p>15/03/2019 to 19/03/2019</p>	<p>Faculty and Infrastructure resources</p>	<p>20</p>	<p>30</p>
<p>Guest Lecture on Experimental Methods in Aerodynamics</p>	<p>Any engineering problem can be solved by using experimental techniques or computational techniques. The experimental methods in aerodynamics involve understanding of measurement devices and their limitations. The lecture was organized to make the students aware of experimental techniques used in the field of aerospace engineering.</p>	<p>19/03/2019</p>	<p>Faculty and Infrastructure resources</p>	<p>10</p>	<p>30</p>
<p>Seminar on “Application of Engineering Geology in Civil Engineering”</p>	<p>In all types of heavy construction like building tower, dams, reservoirs, highways, bridges, traffic and hydropower tunnel and retaining structure, knowledge of geology is essential for civil engineers. The geological information about the site of construction (or excavation) and about the natural materials of construction is of paramount importance. This information is vital for planning realistic and designing and economic excavation of one and all of such projects.</p>	<p>29/03/2019</p>	<p>Faculty and Infrastructure resources</p>	<p>7</p>	<p>15</p>
<p>Seminar on “Plate Tectonics: An Unifying Theory</p>	<p>Plate tectonics explains nearly all of Earth's major surface features and activities. These include faults and earthquakes, volcanoes, mountains and folds, and even the origin of the continents and ocean basins. The framework encompasses all other explanations of large scale geological phenomena. With the knowledge of the plate tectonics civil engineers will have an idea of sensitive belts all over the world and they will have to take precautionary measures while building the structures accordingly.</p>	<p>29/03/2019</p>	<p>Faculty and Infrastructure resources</p>	<p>7</p>	<p>15</p>

Guest Lecture on “Touchless and TouchScreen Technology and Introduction to Big Data Analytics	The workshop began with the speaker introducing Big Data and Analytics as individual terms and the correlation between them. Later the speaker also introduced terms like Data Warehouses, Data Mining and their role in Big Data Analytics. The need for Big Data in the present industry was discussed. The lecture was focused on introducing Big Data Analytics, its basic concepts and the tools used in the industry for the same to the students.	29/03/2019	Faculty and Infrastructure resources	25	30
PCB Design Workshop	The workshop was aimed to provide knowledge about Complete PCB Designing using Cad tools, also to test electronics & electrical circuit in software environment. PCB design software named Proteus have been used to make physical PCB. Almost 20 students from ECE and EEE have participated in the workshop.	04/07/2019	Faculty and Infrastructure resources	5	10
Guest Lecture on Block Chain Technology	To make our students acquainted with Block Chain Technology	13/04/2019	Faculty and Infrastructure resources	20	30
Workshop on Machine Learning Tools for image applications	To make our students acquainted with Machine Learning Tools for image applications	15/04/2019 to 16/04/2019	Faculty and Infrastructure resources	25	35
How to use Scientific Calculator	How to effectively use Scientific Calculator	30/08/2019	Faculty and Infrastructure resources	20	40
Special Lecture on Nanotechnology	Special Lecture on Nanotechnology	30/08/2019	Faculty and Infrastructure resources	20	30
"Internet of Things and Its Applications in Real Life"	"Internet of Things and Its Applications in Real Life"	16/11/2019	Faculty and Infrastructure resources	25	40

Technicia 2020	Amity School of Engineering and Technology organized one of the most awaited annual technical festivals TECHNICA 2020 consisting of a plethora of events, some new and some classics. The function was inaugurated by our honourable Chief Guest, Mr. Brajesh Nahar, Vice President at Tata Steel BSL Ltd., Mrs Raj Nahar and Prof. (Dr.) D. S. Rao, Vice Chancellor, Amity University Maharashtra, Dr. Ravi Manuja, Registrar, Amity University Maharashtra, and Dr. Shrikant Charhate, Director, Amity School of Engineering and Technology. The combined footfall for Technicia 2020 was around 1270 participants from institutes in Mumbai, Pune, Surat, Hyderabad, Tamil Nadu, etc, who participated in 22 events with an audience of around 2500 students.	23-01-2020 to 24-01-2020	Faculty and Infrastructure resources	400	870
Workshop-General Awareness on Non-Destructive Techniques	The guest speaker presented various NDT methods through her presentation and videos.	21-02-2020	Faculty and Infrastructure resources	20	30
Characteristics of High Subsonic Jet flows	Amity Guest Series : Acoustic characteristics of the nozzle flow plays an important role in noise generated due to engine. The investigation of the same is required to certify the aircraft. Dr. Nikam delivered the talk about acoustics of high subsonic jet flow. He discussed various aspects of the experimental investigation of aero-acoustic characteristic of high-speed jet. He is an Associate Professor, Mechanical Engineering Department at K. J. Somaiya College of Engineering.	11/05/2020	Faculty and Infrastructure resources	20	38

Blockchain in Healthcare	Amity Guest Series : An interactive and very informative session was delivered by Mr. Pankaj Ojha, having more than 15 years of experience in IT industry. He is currently working with Harbinger Systems, Pune. In his current organization he was the leading member in taking initiative in Healthcare vertical.	15-05-2020	Faculty and Infrastructure resources	40	62
The International Students Olympiad in Hot Bulk Forging Technologies 2020	The International Students Olympiad in Hot Bulk Forging and Extrusion Technologies 2020 was arranged online in May 2020 by 34 Universities from 13 countries. This year 121 students participated in the competition. 114 students in forging and 7 students in extrusion technology. Competition between students in hot bulk forging section consisted of the following steps: students got a drawing of an axisymmetric part after machining and designed the hot forged part and die impression for the final forging, determined the necessary technological chain for its manufacturing and then simulated the proposed forging process. Almost the same stages in the extrusion section.	16-05-2020	Faculty and Infrastructure resources	3	5
Applications of Linear Algebra in Engineering	Webinar : Linear algebra is fundamental in modern presentations of geometry, including for defining basic objects such as lines, planes and rotations. There are many applications of linear algebra in engineering fields. It helps to solve complex engineering problems and provides the solution. Dr. Dishant Pandya is an Assistant Professor at Pandit Deendayal Petroleum University, Gujarat. He delivers the talk on various areas in engineering where linear algebra is widely used such as printers, computer science and technology, aerospace engineering. There were more than 20	19-05-2020	Faculty and Infrastructure resources	20	25

	students who participated in the webinar.				
Innovation	Interactive Webinar about the latest innovations.	23-05-2020	Faculty and Infrastructure resources	15	20
Latest Trends in IT	FDP : Technology is improving almost every year with new innovations. So that to give awareness about the latest technology trends in information technology to faculties of different organization, this FDP has been organized. Different ideas of multiple research and project development opportunities by all these technologies explored in this FDP.	27-05-2020 to 29/05/2020	Faculty and Infrastructure resources	30	60
GNU Octave	Workshop : GNU Octave is an open source software similar to MATLAB. The workshop was for the beginners and aimed to introduce the students and the faculties to the open source software and teach them basic commands of GNU Octave. More than 65 participants from various regions of India had participated in the workshop. The participants were motivated to use open source software wherever possible.	28-05-2020 to 30-05-2020	Faculty and Infrastructure resources	23	30
Advanced Techniques in Civil Engineering	Webinar Series : This event was timely and significant in that it came at a time when the entire India is in lockdown due to COVID-19 pandemic. The online platform facilitated both internal and external students, faculties and people participation with ease. 1) Dr. Santosh M. Pingale covered the topic on recent natural disasters that India faced and challenges to face such as COVID 19, cyclone- Amphan, heat waves, locust attacks, droughts and floods. 2) Mr. Rajesh A Vaidya	29-05-2020 to 30-05-2020	Faculty and Infrastructure resources	10	38

	described the importance of marine projects, various marine structures, mode of marine product handling and practical aspects of mega project planning. 3) Dr. V. B. Deshmukh gave the lecture on different types of ground improvement techniques and their effectiveness, and use of Prefabricated vertical drains (PVD) in soft soil improvement. 4) Dr. Sreedhar Ganapuram gave a very informative and detailed talk on use of internet GIS (Geographic information system), web mapping, problems faced in distributed GIS and its applications.				
Moodle E-Learning Management System	FDP : Introduction to LMS and activities on same, hands on training	29-05-2020 to 31-05-2020	Faculty and Infrastructure resources	60	190
New Edge B Tech Programs	Carrier Counseling Webinars : The webinar was organized to inform students and parents about opportunities in various engineering programs	16-04-2020	Faculty and Infrastructure resources	30	70
Webinar for Mechanical and Automobile Engineering	Carrier Counseling Webinars : The webinar was organized to inform students and parents about opportunities in Mechanical and Automobile Engineering	23-04-2020	Faculty and Infrastructure resources	5	12
Webinar for Electronics and Communication Engineering	Carrier Counseling Webinars : The webinar was organized to inform students and parents about opportunities in Electronics and Communication Engineering	24-04-2020	Faculty and Infrastructure resources	5	18

Webinar for Computer Science & Engineering	Carrier Counseling Webinars : The webinar was organized to inform students and parents about opportunities in Computer Science & Engineering	25-04-2020	Faculty and Infrastructure resources	15	43
Webinar for Civil Engineering	Carrier Counseling Webinars : The webinar was organized to inform students and parents about opportunities in Civil Engineering	28-04-2020	Faculty and Infrastructure resources	6	15
Webinar for Aerospace and Aeronautical Engineering	Carrier Counseling Webinars : The webinar was organized to inform students and parents about opportunities in Aerospace and Aeronautical Engineering	30-04-2020	Faculty and Infrastructure resources	8	17
Impact on Education sector and right path for graduates while choosing right institution	Carrier Counseling Webinars : The webinar was organized to inform students and parents about opportunities in various engineering programs	02-05-2020	Faculty and Infrastructure resources	9	20
What Next After Graduation?	Carrier Counseling Webinars : The webinar was organized to inform students and parents about opportunities in various fields.	08-05-2020	Faculty and Infrastructure resources	35	65
Role of Computer Science in COVID 19 (shiksha.com)	Carrier Counseling Webinars : The webinar was organized to inform students about the Role of Computer Science in COVID 19 Situation.	13-05-2020	Faculty and Infrastructure resources	30	50
Engineering Education Post COVID-19	Carrier Counseling Webinars : The webinar was organized to inform students and parents about Engineering Education Post COVID-19	15-05-2020	Faculty and Infrastructure resources	22	40
INTERNATIONAL CONFERENCE ON RECENT ADVANCES	The theme of the conference was to provide an International platform to researchers, scientist and industry personnel to engage in scientific discussion on	26-06-2020 to 27-06-2020	Faculty and Infrastructure resources	100	200



<p>IN COMPUTATIONAL TECHNIQUES (E-ICRACT 2020)</p>	<p>the current research and the latest advancements in computational fields of Engineering and Technology which facilitates for the exchange of new innovative ideas. IC-RACT 2020 aimed at drawing new knowledge and ideas in these fields of Engineering by involving the researchers, students, academicians and the professionals to integrate the latest trends in technology and allied fields to contribute to the society at large. e-IC- RACT 2020 received 178 paper submissions from India and all over the world. All papers underwent a rigorous review process and every research paper was reviewed by at least 2 experts to ensure good quality papers and finally 92 papers were selected for presentation and publication in the Elsevier-SSRN proceedings. Total 9 sessions were conducted during these 2 days. Among 9 sessions, Total 5 Sessions were conducted on Advances in Computational Techniques and its Applications (CSE), where 48 Papers were selected for presentation by 148 Authors. 3 Sessions were conducted in the area of Civil, Mechanical and Aerospace Engineering, where 28 Papers were presented by 84 authors. 1 session was there on Electronics and Communication, where 12 papers were presented by 30 authors.</p>				
<p>Designing Basics with AutoCad</p>	<p>Workshop for students of X-XII : The speaker has delivered a very informative session on “Designing Basics” using AutoCAD-2021. He gave a brief introduction to general Engineering Design process and delivered the hands-on workshop on how to use, widely used designing software, AutoCAD 2021.</p>	<p>03-06-2020 to 05-6-2020</p>	<p>Faculty and Infrastructure resources</p>	<p>37</p>	<p>60</p>

Mechanical Webinar Series	Webinar : Day1 : Participants got information and knowledge regarding application of Mechanical Nanostructuring Methods. These methods can enhance properties of Metal. Future of Mechanical nanostructuring methods in energy materials application. Day2 : Speaker enlightened the participants with his research work he has done to achieve better results. Also the topics of Nanocutting fluids covered in 1hr session.	05-06-2020 to 06-06-2020	Faculty and Infrastructure resources	32	60
Moodle E-Learning Management System	FDP On Special Demand of faculty & Institutions : Introduction to LMS and activities on same, hands on training	05-06-2020 to 07-06-2020	Faculty and Infrastructure resources	31	50
Webinar on Top Soft Skills to Achieve Desired Goals	Webinar on Top Soft Skills to Achieve Desired Goals	20-08-2020	Faculty and Infrastructure resources	40	70
Webinar on Maintaining Mental Hygiene in College Life	Webinar on Maintaining Mental Hygiene in College Life	20-08-2020	Faculty and Infrastructure resources	30	80
Webinar on Making the most of our Engineering Life	Webinar on Making the most of our Engineering Life	21-08-2020	Faculty and Infrastructure resources	30	50

Webinar on Introduction to Astro and Space Biology	Webinar on Introduction to Astro and Space Biology	26-08-2020	Faculty and Infrastructure resources	30	70
One Day Workshop on "Art of Autodesk Fusion 360 for Manufacturing"	One Day Workshop on "Art of Autodesk Fusion 360 for Manufacturing" was organized to introduce the software "Autodesk Fusion 360" for students of Mechanical Engineering, Aerospace Engineering, Aeronautical Engineering and Automobile Engineering backgrounds.	09/08/2020	Faculty and Infrastructure resources	30	40
Guest Lecture on "Opportunities in Automotive Engineering"	Guest lecture was organized to familiarize students with the latest technology and practices in Automotive engineering and future prospects about this fascinating field of Automotive Engineering.	09/08/2020	Faculty and Infrastructure resources	7	14
National Workshop on " Virtual Reality and Augmented reality"	National Workshop on " Virtual Reality and Augmented reality"	19-09-2020	Faculty and Infrastructure resources	10	32
Innovation Day Program	The main aim of Webinar on “Innovation and Opportunities in 3D Printing” was to create awareness about innovation and opportunities in 3D Printing	28-9-2020	Faculty and Infrastructure resources	78	100
One Day Workshop on Open source, Git and Github	Introduction to open source and how to do open source contribution. Learn Git commands and important concepts including branching and distributed version control. A brief rundown of the GitHub platform and how it can be used to manage your projects.	17-10-2020	Faculty and Infrastructure resources	15	30
One Day Workshop on HTML and CSS	Introduction to building your own website using basic HTML and CSS. Learn to make your own portfolio page with your own designs.	18-10-2020	Faculty and Infrastructure resources	25	60



One Day Workshop on Introduction to Python	It is no secret that Python has various applications in the current IT industry, and mastering it would mean gaining a big head start from your peers. Our guest speaker, Harshit Shukla, who is the Head of Training & Development at Techficient. The objective of this event was to introduce the basics of Python language.	25-10-2020	Faculty and Infrastructure resources	32	60
Webinar on Road Construction Technology	The webinar on topic 'Modern trends of pavement design and construction' by Shri. Rajib Chattaraj, SE. PWD, West Bengal and Bitumen grades delivered by Mr. Achintya Chakraborty gave lot of insights to the students and faculties of Amity University Maharashtra on road design and construction. The talk covered the factors affecting the pavement design, recent loadings considered in India and different grades of bitumen and their applicability to Indian conditions.	10th Nov. 2020	Faculty and Infrastructure resources	35	60
3 Days National Level Online Workshop on "LaTeX"	LaTeX is a high-quality typesetting system that has been designed for the production of technical and scientific documentation. It is the de facto standard for the communication and publication of scientific documents. LaTeX is available as free software. It helps to format the document on the go without getting distracted from the content. The workshop was open to all students, research scholars and faculties of any institution / university. The participants were encouraged to use LaTeX as their thesis writing software.	18th - 20th December 2020	Faculty and Infrastructure resources	29	60

### Events Conducted by Amity School of Languages

Name of the Event	Short Description of the Event	Date of the Event	AUM Resource	Outside participants Woman	Outside participants Men
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Faculty Development Programme on "Shifting Paradigms: Teaching and Research in Language and Literature"	ASL organized the FDP to inculcate an advancing approach towards research and teaching among teachers and research scholars.	01.07.2019 to 08.07.2019	FDP sessions	3	0
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### Events Conducted by Amity Institute of Travel and Tourism

Name of the Event	Short Description of the Event	Date of the Event	AUM Resource	Outside participants Woman	Outside participants Men
Tourism Tomorrow: a talk show on the future of tourism academics and Career Opportunities	AITT organized talk show for BTTM and open for outside participants on 1st August 2020 , on Tourism Tomorrow: a talk show on the future of tourism academics and Career Opportunities. The talk show was conducted by two guests: Guest 1: Mr. Aditya Bhide, Head, Products and Marketing, Countryside Adventure Holidays Guest 2: Mr. Gagan Singhal, Deputy General Manager Sales FCM India MICE. A total of 155 students registered. Target Audience for the event were the students those who have cleared their HSC examinations from any board and state/and their parents; students who are in their final year of graduation or diploma from any streams; and have an interest in pursuing a career in the tourism industry.	1st August 2020	Online Lecture	70	85

World Tourism Day Celebrations	World Tourism day is internationally celebrated on 27th September, due to the pandemic, students have planned and organized virtual tours, showcasing various aspects of pre and post pandemic scenarios of tourism.	26th September 2020	AITT Youtube Channel	260	300
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### Events Conducted by Amity School of Fashion and Design Technology

Name of the Event	Short Description of the Event	Date of the Event	AUM Resource	Outside participants Woman	Outside participants Men
Prophecy, Inter-College Fashion Design Competition	The Fashion Show "Prophecy" showcased the upcoming trends and fashion styles that are soon to bloom out into innovative and creative designers.	22nd Feb 2018	Fashion Show - Inter College Competition	8	2
StyleQ 2018	Deliberations are undertaken on a current topic of relevance and most recent researches in the field are shared as oral and poster presentations. A book of papers was prepared as a compilation of research presentations done during the conference.	22nd March 2018	Annual National Conference	10	5
Prophecy, Inter-College Fashion Show Competition	The Fashion Show "Prophecy" showcased the upcoming trends and fashion styles that are soon to bloom out from innovative and creative designers.	22nd Feb 2019	Inter College Fashion show Competition	8	3

StyleQ 2019	Deliberations are undertaken on a current topic of relevance and most recent researches in the field are shared as oral and poster presentations. A book of papers was prepared as a compilation of research presentations done during the conference.	28-29th March 2019	Annual National Conference	17	5
FDP- "Colour Matching & Metamerism"	In colorimetry, metamerism is a perceived matching of colors with different spectral power distributions. It is one of the factors that make up the identity of a business and most marketing campaigns are typically grounded on it. It is the process of transferring a particular color across different technologies or platforms. FDP for Colour Matching & Metamerism was done to highlight the above points.	23 <sup>rd</sup> October 2019	FDP	10	5
Bombay Times Fashion Week (BTFW), Spring-Summer Edition	Amity School of Fashion Design & Technology has always believed in doing fashion with a soul. The collection titled 'Pratha', stemmed from the fashion school's initiative of reviving India's cultural ethos and bringing it on the forefront of fashion. The collection was about India and how the people of the nation are still striving to keep their roots alive when it comes to traditions. Innovative designs and chic outfits were showcased by the students in four different sets.	13th March 2020	Fashion Show	80 attendees	120 attendees
Design Development	How a thought can be converted into a pattern is what this webinar focused on. Primarily using design ideation process/methodology and its implementation techniques.	14th April 2020	Career Counseling Webinar – 1	115	80
Design Your Image	The webinar focused more on image styling and importance as well as its impact on overall representation of any individual.	16th April 2020	Career Counselling Webinar – 2	120	75

Design Rules	As part of Promotional Activities, this webinar was conducted keeping in mind the principles & elements of design for better wardrobe management.	18th April 2020	Career Counselling Webinar - 3	125	70
The New Normal for Higher Education – Re-inventing Teaching Learning	Enlightening Webinar given on how today's tech savvy, future ready universities are gearing up today for a industry ready and smarter individual and holistic learning. The event was conducted by Univariety	18th May 2020	Webinar	115	80
Augmented Reality	What is AR, AR In Areas of Retail, - Real World Examples of AR, Challenges with AR were discussed.	28th May 2020	Career Counselling Webinar - 4	110	75
Textile Crafts	The webinar talked about the importance of traditional crafts and arts of our country with emphasis on how they can be used in uplifting any garment of day to day use. It also talked about the designers and celebrities (national & international) showcasing the textile crafts of our country.	2nd June 2020	Career Counselling Webinar – 5	117	25
Digitalization of Designs in Fashion	The webinar talked about digitization of a design, that is converting a 2D flat image to 3D workable image using various software's and their tools (Photoshop, Illustrator & CorelDRAW). Emphasis was laid on the importance of digitization in the current world of fashion.	9th June 2020	Career Counselling Webinar - 6	120	44
Careers in Design	The edutainment webinar event was about the futures of design careers in the industry when we discussed the possibilities of entrepreneurship, freelancing, re-thinking existing job roles, re-shaping of the industry and its impacts, innovation and start-ups.	12th June 2020	Edutainment Webinar 1	70	80



Creative Paradigms in Higher Education	The webinar focused at the various latest and relevant creative teaching-learning education system for higher education. It importance of changing with times and various ways to achieve it was explained.	14th June 2020	Edutainment Webinar 2	157	20
Careers in Product Design	The webinar focused on how product design can help a graduate look for jobs in multinational corporations and how thriving businesses in covid are gradually demanding more and more focus in product design. It also focused on understanding how a product designer combines a talent of design with an understanding of the production and marketing of consumer goods.	14th June 2020	Edutainment Webinar 3	137	40
Amitians Live - ASFDT Insta Live event	Fun filled Open-ended Student driven Discussion Live on Instagram. Topics of discussion were – College Life, Hostel Life & balancing work and fun in the same campus.	16th July 2020	Promotional Activity	150	60
Sustainable Fashion Startups and how to start one	On the Innovation day, a talk on “Sustainable fashion start-ups and how to start one.”	28th September 2020	Innovation Day Celebration 2020 -	45	10

## Events Conducted by Amity Institute of Liberal Arts

Name of the Event	Short Description of the Event	Date of the Event	AUM Resource	Outside participants Woman	Outside participants Men
Interdisciplinary workshop with AIBAS	Suicide is a silent epidemic in India. And preventing students from taking such steps this workshop was organized and 110 students from ASLA, AIBAS and students from other schools also participated in this workshop	2018	No	0	0
World Environment Day 2018 at Phansad	Interdisciplinary visit for spreading awareness and Legal Aid camp organized at Phansad, Tal Murud, Dist Raigad.	2018	No	0	0
Interdisciplinary event with ASCO	visit to Jambhulpada for community walk for photography and to understand tribal culture	2018	No	0	0
Training Program on 'Road Safety'	Training Program on 'Road Safety' at AMU in collaboration with United India and Castrol.	2018	No	1	3
SWASTI – state level meetings	SWASTI – state level meetings, for implementing project on health and education in 2018.	2018	No	1	2
WASH project	WASH project in 5 schools around AUM was implemented by social work students.	2018	No	0	0
US-China Trade War	Seminar was organized on 'US-China Trade War'	2019	No	0	1
Exports Imports of India	Seminar on 'Exports Imports of India' was organized	2019	No	2	1



QUIZONOMICS	Quiz Competition 'QUIZONOMICS' organized for entire AUM on 'Business, Economics and Finance'	2018	No	0	0
Career Conclave	Two Day Online National Level 'Career Conclave'(2019)	24-25/07/2020	Online Lectures	0	7
'Changing World Order through Covid – 19'	National Level Online Essay Writing Competition on 'Changing World Order through Covid – 19'	31/05/2020	Online Lectures	0	0
India & Covid 19	National Online Quiz Competition on 'India & Covid 19'	31/05/2020	Online Lectures	0	0
How to Deal with Civil Services Exams	National Webinar on 'How to Deal with Civil Services Exams'(2019)	2019	No	0	1
Human Security & Pandemic'(2020)	Two-days International Online Conference on 'Human Security & Pandemic'(2020)	23-24/11/2020	Online Lectures	3	11
Model UN Assembly Debate	'Model UN Assembly Debate' (April, 2019)- Inter school competition for Amity University Maharashtra.	Apr-19	No	0	0
Intervention of Social Worker in Criminal Justice	One day workshop for the students of social work– 'Intervention of Social Worker in Criminal Justice' 17th January 2020	17/01/2020	No	2	2
COVID 19 and the Lockdown	Webinar on 'COVID 19 and the Lockdown': Response of the Government and CSOs Shri. K J Joy and Abraham Samuel, SOPPECOM, Pune on 29th May 2020	29/05/2020	Online Lectures	2	2
Higher Education & Students' Development	National Webinar on 'Higher Education & Students' Development' on 18th & 19th July 2020	18/07/2020	Online Lectures	0	0
Women's International Day	Felicitation of women who have achieved mile stones in their lives by doing outstanding work	03/08/2018	No	3	0

Women Empowerment	Women Empowerment – started two self help groups of women from Bhatan Village with the concept of small savings.	2018	No	2	0
Women Empowerment & Welfare: Recent Issues & Trends	Book Launch & Webinar on 'Women Empowerment & Welfare: Recent Issues & Trends' (24th December, 2020)	24/12/2020	Online Lectures	2	0
Violation of Women Rights in Modern India: Present and A Way Forward	Webinar on 'Violation of Women Rights in Modern India: Present and A Way Forward'	20/11/2020	Online Lectures	1	0

### Events Conducted by Amity Institute of Biotechnology

Name of the Event	Short Description of the Event	Date of the Event	AUM Resource	Outside participants Woman	Outside participants Men
Staff Development Program	Technology for Health Awareness	17/12/2020	Online Lecture	NA	NA
Principals Conclave 2019	Amity University Maharashtra organized its maiden Principals' Conclave on 5 th December 2019. The event witnessed the presence of some extremely prominent educationists and had thought provoking panel discussions by them through the day. The conclave kick started with a campus tour for all the guests, followed by the welcome address by Hon' Vice Chancellor, Dr. D. S. Rao. There were 4 Panel discussions and a presentation that took place during the day on extremely important topics pertaining to the education domain. The guests were extremely pleased with the execution of the event and the hospitality by	05/12/2019	auditorium	NA	NA

	Amity University Maharashtra. As a token of appreciation, all the guests were felicitated with a memento and an Amity University Maharashtra kit.				
Faculty Development Programme On Elementary Concepts of Systems Biology and Molecular Modeling	The programme was designed to benefit faculty members/researchers for enhancing their professional skills. The program was planned to take into consideration industry needs, NABL accreditation, and research applications for the benefit of teachers and research scholars. The topic covered in the event on day one was genomic data analysis using GEO2R, gene set enrichment analysis, functional annotation, target identification using metabolic pathway study	10 - 11 Jan 2019	Faculty Trainer	16	11
Workshop For Medical Practitioners On Molecular Diagnostic Techniques In Collaboration With Thyrocare	Certificate of Workshop on Molecular Diagnostic Techniques in association with Thyrocare Technologies Ltd. This workshop was aimed to train the Doctor's working in various hospitals in India in the latest diagnostic techniques which can be applied to their routine diagnosis process.	17-21 Jun 2019	Faculty Trainer	10	10
Organized Guest Lecture On CADD And Biosimilars	Dr. Virupaksha A. Bastkar invited to conduct as one day session for M. Pharmacy candidates of Bharati Vidyapeeth on CADD and Bio-similars on "14th October 2019".	14-Oct-21	Faculty Trainer	17	20

<p>Two Day Industry-Academia Collaborative Workshop On “Recent Trends In Molecular Modeling And Drug Designing</p>	<p>The workshop was aimed to present the faculties and fellows of biotechnology, pharmacy as well as allied sciences the techniques of molecular modelling and computer aided drug design aspects. They were familiarized with the contemporary techniques like molecular docking, pharmacophoric mapping, force field applications, protein simulations as well as SAR – Structure activity relationship, QSAR - Quantitative Structure activity relationship analysis, Drug development case analysis etc.; The programme was designed to benefit faculty members /researchers/budding technologist for enhancing their professional skills in drug designing &amp; development. The program was planned to take into consideration industry needs, NABL accreditation, and research applications for the benefit of teachers and research scholars. Even drug development for COVID-19 as well as Drug Hackathon Project – Govt. of India initiative was also elucidated</p>	<p>19-20 Nov 2020</p>	<p>Faculty Trainer</p>	<p>98</p>	<p>157</p>
<p>Innovation Mela</p>	<p>Encouraging women Students as Entrepreneur</p>	<p>28 &amp; 29 Feb 2020</p>	<p>NA</p>	<p>15</p>	<p>NA</p>

## Events Conducted by RICS SBE AUM

Name of the Event	Short Description of the Event	Date of the Event	AUM Resource	Outside participants Woman	Outside participants Men
A joint workshop on Sustainability and Property Development Process	<p>Approach 1 - Environmental Economics exercise Understand the environmental aspects of existing institute building. Considering the high operations cost, workout, a "retrofitting plan" considering environmental and economical aspects. Create a pitch for the board of directors to adopt green practices.</p> <p>Approach 2 - Green makes business sense Talking about emerging trends in Real estate and various financial models for green buildings. Select a project and workout a business case for township / commercial/ hotel/ infrastructure project taking into consideration the environmental aspects to create "sales pitch" for developer.</p>	6th April 2018	Cafeteria, Classrooms	20	0
Lecture Series	Session on "Sustainability in construction- Green Building" by Ms. Priyanka Kocchar, Regional Manager, Market Transformation, Green Business Certificate Institute (GBCI)	17th August 2018	Cafeteria		
Lecture Series	Women in Built Environment by Lorraine Gaytten, FRICS & Prof. Sarah Wilkinsen, FRICS	10th September 2018	Cafeteria	NA	NA
Lecture Series	Deesha Vora, Co-Founder & Chief of Product @Superwise took a session and interacted with the faculty and students	th October 2018	Cafeteria	NA	NA
Meet-up	Women's Welfare Committee Meeting - A quick review for the well being of the students across the School of Built Environment	19th October 2018	Cafeteria	NA	NA

Womans Day Celebration	Ms. Shalaka Lalwani - Principal Architect - Urban Planner, she explained how women have played significant roles in different walks of life and how various geopolitical and socio-economic factors have influenced the engagement and contribution of women.	8th March 2019	Cafeteria	NA	NA
Lecture Series	Session on "Circular Economy, Leading a Sustainable Way of Life and Basics of E-waste management" by Pooja Elizabeth Abraham, Co-Founder, Green Ambassadors	20th Feb 2019	Cafeteria	NA	NA
Womans Day Celebration	Charu Singhania, Assistant General Manager at Gera Developments Pvt. Ltd. delivered a lecture wherein she spoke about RERA and how it has helped shape and benefit the entire real estate sector.	12th March 2020	Cafeteria	NA	NA
Lecture Series	Ms. Divya B. Malcolm conducted a session on "Elements on Lease Draft"	15th May 2020	Cafeteria	NA	NA
Seminar	The webinar was conducted towards creating awareness towards opportunities in Built Environment for Civil Engineers.	12-Oct-18	Mr. Abhishek Panchal	23	41
Seminar	The webinar was conducted towards creating awareness towards opportunities in Built Environment for Civil Engineers.	16-Oct-18	Mr. Abhishek Panchal	27	32
Seminar	Risk Identification, Analysis and Management in Construction	12-Sep-19	Dr. Sanjay Patil	17	28
Seminar	The webinar was conducted towards creating awareness towards opportunities in Built Environment for Architect	23-Sep-19	Prof. Amol Shimpi	22	47
Faculty Development	"Tips to write a winning research proposal"- FDP was conducted by Prof Dr Sanjay Patil for the Civil	5th October 2020	Faculty Trainer,Online		





Program (FDP) on 'Research Proposal, Funding Agencies, Product Development and Consultancy'	Engineering college Pune.		resources		
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## Events Conducted by Amity School of Architecture and Planning

Name of the Event	Short Description of the Event	Date of the Event	AUM Resource	Outside participants Woman	Outside participants Men
Green Basket	Green compost is an entrepreneurship organization started by Mr. Jayant Joshi from Thane, Mumbai. He gave presentation regarding awareness programme on composting method of bio-waste. He presented to the faculty members the effective ways of composting bio-waste. He also had some tools to implement it and he retails those tools to the public. This presentation was successful and it helped the participants to disseminate the knowledge gained through this presentation to the students and the society we are part of.	20.06.2018	Mr. Jayant Joshi-Micro Biologist and ASAP, ASFA faculty	0	1
Experiencing Space Through the Eyes of a Specially Abled	Sanrachna an event organized by students of ASAP was held at Urban Haat CBD Belapur, the event was attended by the students of ASAP, ASFA AUM as well as 6 other Architecture colleges of Navi Mumbai where Ar Suhel Makandar(Asst Prof. ASAP AUM) conducted a workshop on the theme Experiencing Space Through the Eyes of a Specially Abled. The workshop is conducted on the mandate that all public space shall be universally accessible. The Workshop was attended by more than 40 students.	02/08/2019	AUM Faculty and Student Volunteers from ASAP & ASFA	7	9
Rotary Youth Leadership Award- RYLA	Rotary club of Panvel organised this programme and workshop at AUM. Students and faculty of ASAP were the participants of the event. Students got to know the the skill set required to be a leader, subsequently how a leader manages his time and works in team work were explained by different speakers to the studnets and a small workshop	02/05/2020	AUM Faculty and Student Volunteers from ASAP & ASFA	1	3

	<p>was also held to address the students as to how the industry works especially when the students walk out into the real world what is expected of them. Students were given task to choose leader, to perform and think as leader. To take decision by having conversation with the team members for effective outcome. In all it was very interactive and outcome based programme.</p>				
<p>Visit to Yusuf Meherally Centre &amp; Go Green Nursery</p>	<p>Yusuf Meherally Centre is a voluntary organization, which is registered under the Societies Registration Act, 1860 and the Bombay Public Trust Act, 1950. The Centre was started in 1961 in memory of Yusuf Meherally, and was formally inaugurated in 1966, by Dr. Zakir Husain, the then vice president. The Centre is in health care, education, empowering women and Adivasis (tribal), employment generation and relief. Abhijit Shirodkar, Asst.Prof Krati Agrawal, Asst. Prof. Laxmi Ramnani, Asst. Prof. Suhel Makandar, Asst. Prof. Sushant Jagnade.</p>	<p>15.03.19</p>	<p>ASAP Faculty Members</p>	<p>2</p>	<p>32</p>
<p>Innovative onsite construction techniques and skill development long duration program</p>	<p>A farmhouse was designed by Ar.Onkar Kulkarni in Wayfale Farms (district Sangli, Maharashtra) and built during the lockdown period from June to October 2020 . A number of experiments were tried out on site - such as laterite stone construction and basalt stone construction (in legendary architect Nari Gandhi style), cow dung plaster, adhesive motifs, ferrocement chajjas, simple and indigenous construction techniques with a blend of modern technologies, use of old car glasses as roof lights etc. Executed without any skilled labor, with the help of laymen, the farmhouse is now quite comfortable to live in, with minimum requirements and devices and a temperature</p>	<p>27.05.2020 to 31.10.2020</p>	<p>NA</p>	<p>3</p>	<p>9</p>

	difference of 4 degrees between the outside and inside temperatures.				
Experiencing Space Through the Eyes of a Specially Abled	62nd Zonal NASA Convention 2019 Zone 2 was organized at Amity University Maharashtra, the event was attended by the students of ASAP as well 26 other colleges from Maharashtra, Gujarat and Madhya Pradesh. Ar Suhel Makandar conducted a workshop on the theme Experiencing Space Through the Eyes of a Specially Abled. The students were asked to conduct role play and document the hurdles that a especially abled person shall face in the public place. This exercise helped students understand the design considerations for Specially Abled People.	23.09.2019	Conference Hall, Faculty and Student Volunteers from ASAP AUM	21	17
Knowledge Series Webinar # 1: Effects on Designing Post Covid19	In this first in the series of online webinars, Ms. Ponkshe talked about how the field of designing would be affected in the post Covid19 scenario and how we as designers should be geared up for the same. She also presented some of her projects.	30.07.20	Online	N/A	N/A
Students' Project Presentations	Six students of the B.Arch. Graduating Batch of 2020 and three students of the BID Graduating Batch of 2020 presented their Project works online - 2 Architecture and 1 Interior Design student showcasing each day. They also answered questions that were put to them by the participating online audience.	14.07.20 to 16.07.20	Online	N/A	N/A
Knowledge Series	The third in the series, this was a panel discussion that was	25.07.20	Online	N/A	N/A

Webinar # 3: Panel Discussion - A Step Ahead (Part I) - Counseling for PG Studies after B.Arch. & B.Plan.	aimed at exposing the students to the different courses available to them after graduation in Architecture & Planning. The discussion was also directed towards the importance of selecting the right course and right institution, the filling of application forms correctly, facing interviews and finally, the job prospects.				
Knowledge Series Webinar # 4: Panel Discussion - A Step Ahead (Part II) - Counseling for PG Studies in Design after B.Arch., BID & B.Plan.	The fourth in the series, this too was a panel discussion but it was directed at exposing the students to the different design courses available to them after graduation in either Architecture, Planning or Interior Design. The students got an insight into the design fields and the various course options available in Indian and abroad along with an approximate idea of the cost component of the same.	01.08.20	Online	N/A	N/A
Knowledge Series Webinar # 5: Understanding Aluminum Composite Panels	Fifth in the series of online webinars, this was conducted by Mr. Faizer Ali Dastagir who is the National Head of Projects for Viva Composite Panel Pvt. Ltd. In addition to presenting the products of his company, He also showcased projects wherein the presented products were used. He also discussed the ways of fitting the products, with the help of detailed drawings.	20.08.20	Online	N/A	N/A
Annual Student Design Competition 2020 - Energy of Figure	This was an Annual Student Design Competition that was launched for the second year students of ASAP & ASFA from AUC, AUK & AUM and also for the new students of ASAP & ASFA at AUM who had been admitted to the	23.08.20	Online	N/A	N/A



	respective programs and had paid their fees.				
Knowledge Series Webinar # 6: Advanced Structures. Day 1: Space Structures	This was the sixth in the series of online webinars. Ar. Mahesh Mokha, who has a deep knowledge of advanced structures, talked to the students about Space Structures on Day 1 of a two-day event. His discussions were supported by relevant photographs of structures and simultaneous line sketches.	25.08.20	Online	N/A	N/A
Knowledge Series Webinar # 7: Part I: Facility Management: An Emerging Field & Part II: Admission Process & Life at Texas A&M University, USA	This was the seventh in the series of online webinars and it was divided into two parts. In the first part, Dr. Sarel Lavy exposed the students to the emerging field of Facility Management and the courses that are offered by Texas A&M University. In the second part, Mr. Dhiraj Saraogi talked about the admission process for PG courses in the US, in general and about life on A&M campus in particular.	09.09.20	Online	N/A	N/A
Knowledge Series Webinar # 8: Study From Home: The Ergonomic Aspects	Eighth in the series of online webinars, this one was aimed at inculcating the right practices and postures in students and faculty members alike, during their work from home period. Both the speakers Dr. Dhepe & Ms. Shah spoke in a very matter-of-fact manner which could be easily understood by the audience. The presentation interspersed with very elaborate drawings and sketches as well.	16.09.20	Online	N/A	N/A
Knowledge Series Webinar # 9: Bridging the Gap between	This was webinar no. 9 and it was organized due to the efforts of CRC, AUM. Mr. Vipin Jog roped in Ar. Kulkarni who very willingly agreed to share his views and	19.09.20	Online	N/A	N/A

Academics and Design Industry	experiences on the topic of the relation between academics and design industry. Ar. Kulkarni also showcased the wide range of work that is being handled by the India office HOK, an international firm with its presence in three continents.				
World Architecture Day Celebrations. Day 1: Release of Books of Students' Projects & Academic Information	Inaugural Session of the World Architecture Day Celebrations. Release of the books of the projects of students of the graduating batch of 2020 & their academic information, at the hands of Prof. Jayalakshmi (Architecture) & Ar. Leena Nimbalkar (Interior Design & Planning).	09.10.20	Online	N/A	N/A
Knowledge Series Webinar # 10: Cost Effective Sustainable Architecture	Ar. Mangesh Jadhav very lucidly and with drawings and photographs explained how sustainable structures could be designed at an affordable price. He showed projects that were designed at different locations in the country.	10.10.20	Online	N/A	N/A
Knowledge Series Webinar # 11: Working in a World Changing Design Firm	Ar. Yogesh Jog placed before the students a totally different perspective of what it is like to work in an international firm and the enormous scale of the projects that they design - projects that are both sustainable and humane.	10.10.20	Online	N/A	N/A
Knowledge Series Webinar # 12: Speak & Span: "You Become Me"	Webinar no. 12 was aimed at improving the communication and presentation skills of both, the faculty and students. Prof. Manapure guided the participants on how to go about it with the help of some very effective audio-video examples. There was a very interesting open house session after the presentation where the participants asked and discussed issues with the speaker.	24.10.20	Online	N/A	N/A
Expert Lecture on Interior Design	Prof. Rajendra Tamhane delivered a Lecture on the profession of Interior Designing, focusing on the awareness	01.07.21	Online	N/A	N/A

	amongst the prospect students.				
Experiencing Space Through the Eyes of a Specially Abled	62nd Zonal NASA Convention 2019 Zone 2 was organized at Amity University Maharashtra, the event was attended by the students of ASAP as well 26 other colleges from Maharashtra, Gujarat and Madhya Pradesh. Ar Suhel Makandar conducted a workshop on the theme Experiencing Space Through the Eyes of a Specially Abled. The students were asked to conduct role play and document the hurdles that a especially abled person shall face in the public place. This exercise helped students understand the design considerations for Specially Abled People.	23.09.2019	Conference Hall, Faculty and Student Volunteers from ASAP AUM	21	17
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Knowledge Series Webinar # 2: LEAP - Learning Everything About Paints	This was the second in the series of online webinars. Mr.Ranjan Mistry discussed the different products of Berger Paints and then explained the applications of paints. He also dwelled on the problems that arise before, during and after painting and their respective solutions.		Online	N/A	N/A



## Events Conducted by Amity School of Communication

Name of the Event	Short Description of the Event	Date of the Event	AUM Resource	Outside participants Woman	Outside participants Men
A Tribute To Female Superstar Sridevi	Amity School of Communication (Amity University Maharashtra Campus) pays tribute the first female superstar of Indian Film Industry Late Sridevi, by arranging a special film screening of her milestone film SADMA .	On March 1, 2018	NA	NA	NA
International Women's Day & Photo Inauguration	Amity School of Communication (Amity University Maharashtra Campus) celebrate International Women's Day by inaugurating photo wall dedicated to women as well as for all female teaching staff.	03/08/2018	NA	NA	NA
Celebration Of 79th Birth Anniversary Of Legendary Bollywood Music Composer RD Burman	Amity University Maharashtra celebrated 79th birth anniversary of legendary Bollywood music composer Rahul Dev Burman on 27th June 2018.	27th June 2018	NA	NA	NA
Veteran filmmaker Shyam Benegal inaugurates Film Society at Amity University, Maharashtra	Octogenarian film-maker Shyam Benegal, who was the Chief Guest on this occasion, inaugurated the 41st Film Society at Amity University, Maharashtra today.	09/05/2018	NA	NA	NA

Guest Lecture By Talent Acquisition Head of Prime Focus World	Mr Aniruddha Dasgupta -Talent Acquisition Head of Prime Focus World Key Points discussed among were currents trends in M&E industry, Skill gap study of M&E industry in India, Reasons for this gap and skills needed and required by the VFX and post production artist in an industry. It was a very interactive session.	29/03/2019	NA	NA	NA
Workshop On Zbrush Modeling	The purpose of this workshop was to give demonstration and guidance to students about the use of Zbrush Software in Gaming, Vfx and 3d printing technology.	29/03/2019	NA	NA	NA
Amity University Maharashtra Hosted Democracy Wall By The Print	The Media event of Democracy Wall at Amity University Maharashtra was inspiring, engaging and a golden opportunity to interact with speakers from various walks of life.	27-Sep-19	NA	NA	NA
Amity University Maharashtra Celebrated World Animation Day	Amity School of Communication faculty members and students celebrated the World Animation Day on 08th November 2019.	08-Nov-19	ONLINE	NA	NA
Amity University Maharashtra Organizes A Webinar On Synchronizing Sound in Cinema	Amity School of Communication (ASCO) and Amity Film School (AFS), Mumbai organized a webinar on “Synchronizing Sound in Cinema” by Industry Expert Mr. Puneet Samtani, an Indian Music Producer and Sound Engineer.	11-Mar-21	ONLINE	NA	NA
“CONTEMPORARY CHALLENGES IN FILM MAKING” by Industry Expert Industry Expert Mr. Abhinay Deo	Amity School of Communication (ASCO) and Amity Film School (AFS), Mumbai organized a very enriching webinar on “CONTEMPORARY CHALLENGES IN FILM MAKING” by versatile Film Director Mr. Abhinay Deo.	18-Mar-21	ONLINE	NA	NA

"THE KEY CONCEPTS OF CINEMATOGRAPHY" by HIGHLY Acclaimed Ace Cinematographer Mr. ANIL MEHTA.	Amity School of Communication (ASCO) and Amity Film School (AFS), Mumbai organized quite an engrossing, highly interactive and engaging '120'-minute Webinar on "THE KEY CONCEPTS OF CINEMATOGRAPHY" with Indian Film Industries Highly Acclaimed Ace Cinematographer Mr. ANIL MEHTA	09-Apr-21	ONLINE	NA	NA
Media Misinformation and Viral Deception and Fake News by Dr. Sumit Narula. Session 1	Dr. Sumit Narula, Director, Amity School of Communication, Public Relations, Deputy Head, AMITY TV, Editor in Chief: Journal of Content Community and Communication (Scopus, UGC CARE & ICI Indexed), Chairman, Centre of Excellence for Detection of Fake News and Disinformation Gwalior, M.P.	12th April 2021	ONLINE	93(UG + PG STUDENTS)	93(UG + PG STUDENTS)
Media Misinformation and Viral Deception and Fake News by Dr. Sumit Narula. Session 2	Dr. Sumit Narula, Director, Amity School of Communication, Public Relations, Deputy Head, AMITY TV, Editor in Chief: Journal of Content Community and Communication	16th April 2021	ONLINE	Registered 117/Attended 107(UG + PG STUDENTS)	Registered 117/Attended 107(UG + PG STUDENTS)
90 minute, International Webinar Cum Training FREE "Workshop on Character Design and Motion Graphics" by TOON BOOM	Mr.Daniel Santos, 2D & 3D - Animator and Designer, Canada. Mr. Harry Ravelomanantsoa, Technical Software Sales Specialist at Toon Boom Animation, South Africa.	20-Apr-21	ONLINE	Registered 190/ Attended 181	Registered 190/ Attended 181
Expert Lecture on MASS COMMUNICATION IN THE DIGITAL ERA: ACADEMICS AND CAREERS	Dr. Meenakshi Upadhyay, Associate Professor, ASCO, AUM	8th May 2021	Online	Attended - 60 (Out bound)	Attended - 60 (Out bound)



Expert Lecture on WHAT'S NEW? WHAT'S NEXT? Advertising in the Multimedia Environment.	Dr. Anushka Kulkarni, ASCO, AUM	30-Jun-21	Online	Attended - 52 (Out bound)	Attended - 52 (Out bound)
Expert talk on Exploring the world of Animation, VFX and Gaming	Mr. Sudhakar Kalgutkar, Mr. Nitesh Gole, Mr. Bharat Santhalia, Mr. Mahesh Ahire.	8th July 2021	Online	Attended - 65 (Out bound)	Attended - 65 (Out bound)
Interactive and Engaging Online Webinar on " <b>LIFE OF SHORTS</b> "... <b>Film in Today's Time and Age</b>	Mr. Cyrus Dastur Founder of SHAMIANA (Asia's Largest Film Company) Moderator - Dr. Nima John, Officiating Head of Institution, ASCO & AFS, AUM, Mumbai.	17th August 2021	Online	Attended by 234	Attended by 234
Different Aspects in Film Making Process	Ritabrata Mitra – Assistant Professor (Amity Film School/ Amity School of Communication) & Milind Mahale - Associate Professor (Amity Film School/ Amity School of Communication)	18th August 2021	Online	ON GOING CURRENTLY	ON GOING CURRENTLY
Industrial Visit To National Film Archive of India	Amity University Maharashtra organised an educational trip to National Film Archive of India for the students of Amity School of Communication Accompanied by three faculty members	25/04/2018	NA	NA	NA

### Events Conducted by Amity Institute of Information Technology

Name of the Event	Short Description of the Event	Date of the Event	AUM Resource	Outside participants Woman	Outside Male Participants
National Conference on Machine Learning (NCML 2019)	<p>The NCML 2019 conference was organized on Tuesday, 26<sup>th</sup> March 2019, to discuss the current state-of-the-art and advances in the field of Machine Learning. This conference brought the academicians, researchers, industry leaders and students together to discuss the and share their research work in the form of the full papers, and presentations during the paper presentation tracks.</p> <p>The students of Information Technology &amp; Computer Science background as well as the participants from the multiple disciplines taken benefit through the expert key note speeches, and the Paper presentations during the NCML 2019. The Conference proceedings with the ISBN: 978-93-5351-521-8 is published on the conference day</p>	26 <sup>th</sup> March 2019	Conference Hall	25	35
MindZone	MindZone -The Online Sports and Games Quiz Competition conducted on 24th October 2020, during Sanghatan 2020. Selected 22 participants were participated in the event.	24th October 2020	AUM Faculty	10	12
Exploring React JS For Web Development	Webinar on Career Opportunities in Exploring React JS For Web Development, Mr. Kalpesh Deo, Director Software Engineering, Venturit, and Dr. Manoj Devare	6th June 2020, 11.00 am	Mr. Kalpesh Deo, Director Software Engineering, Venturit,	28	34



Internet of Things for Manufacturing Industry: A Case Study	Webinar on Career Opportunities in Internet of Things for Manufacturing Industry: A Case Study by Mr, Milind Saindane, Director, Instron Technologies, and Dr. Manoj Devare	11th June 2020 11.00 am	Mr, Milind Saindane Director, Instron Technologies,	12	28
Microsoft Azure Cloud	Webinar on Career Opportunities in Microsoft Azure Cloud and Mr. Abhay Pandey Senior Cloud Consultant , Genpact, and Dr. Manoj Devare	11th June 2020 1.00 pm	Mr. Abhay Pandey	14	31
Data Visualization and Career Opportunities in IT	Webinar on Career Opportunities Data Visualization and Career Opportunities in IT	4 May 2020, 11.00 am	Dr. Manoj Devare	12	23
High Performance Computing	Webinar on Career Opportunities High Performance Computing	8 June 2020, 11.00 am	Dr. Manoj Devare	8	19
Machine Learning and Career Opportunities in IT	Webinar on Career Opportunities Machine Learning and Career Opportunities in IT	21 April 2020 11.00 am	Dr. Manoj Devare	5	26
Internet of Things and Career Opportunities in IT	Webinar on Career Opportunities Internet of Things and Career Opportunities in IT	<sup>th</sup> 19 May 2020 11.00 am	Dr. Arun Saxena	13	27
Data Mining: Research Trends and Market Frontiers	Webinar on Career Opportunities Data Mining: Research Trends and Market Frontiers	<sup>th</sup> 18 May 2020 2.00 pm	Dr. Preeti Gupta	3	31
Artificial Intelligence: Exploring Natural Language Processing	Webinar on Career Opportunities Artificial Intelligence: Exploring Natural Language Processing	<sup>th</sup> 16 May 2020, 11.00 am	Ms. Kirti Kakde	4	26
Exploring the Laravel MVS Framework for the Web Application Development	Webinar on Career Opportunities Exploring the Laravel MVS Framework for the Web Application Development	<sup>th</sup> 15 May 2020, 10.00 am	Mr. Sukhvinder Singh	13	32



## **GOAL 5: Gender Equality**

### **Introduction**

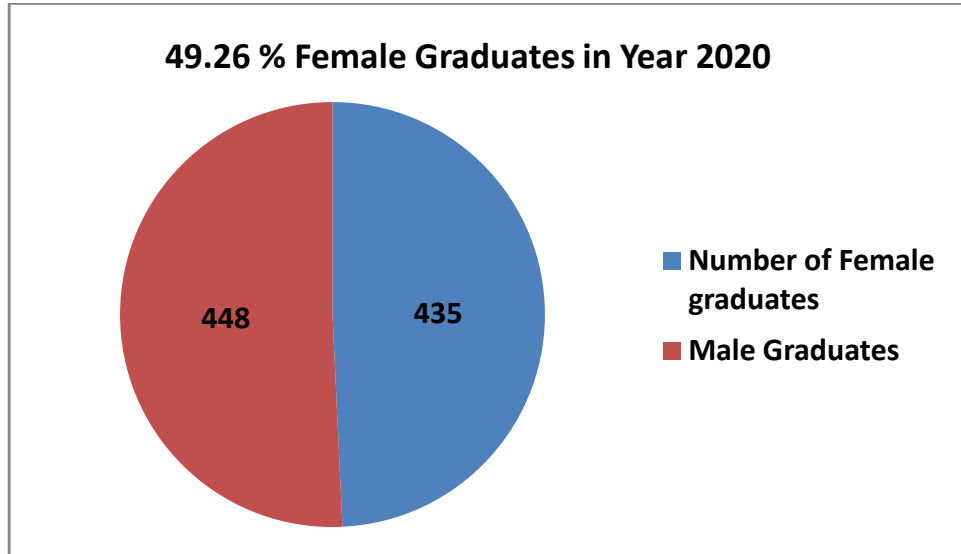
The University has various policies that effectively protect gender equality and provide equal opportunity to Woman Employees and students. The Maternity Leave, non-discrimination against the Woman, non-discrimination against Transgender are effective at the University.

AUM has a special focus and care for the Woman concerning working culture and leaves to the employees. There is an extended duration to the Woman Ph.D. student in the Ph.D. submission duration.

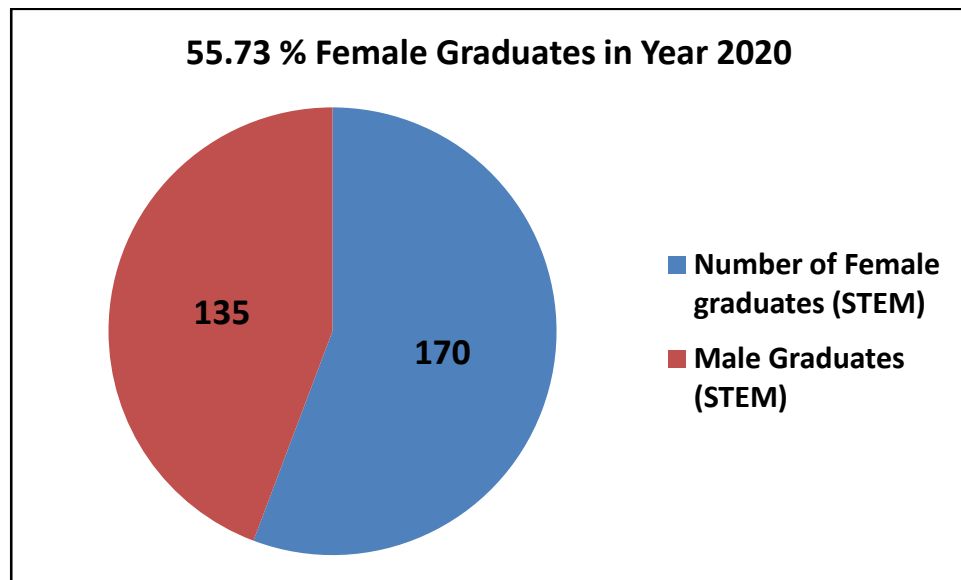
The University has the Woman Grievance committee to report the concerns of the woman employees and the students. As a result, University has a good proportion of women leaders in academics and senior positions in University.

### **Tracking Women's Graduation Rate Year 2020**

The AUM has overall 49.26 % female graduates in the year 2020. There are 55.73 % female graduates in the year 2020 in Science, Technology, Engineering, and Mathematics. There are 45.80% female graduates in the year 2020 in Arts & Humanities and Social Sciences.

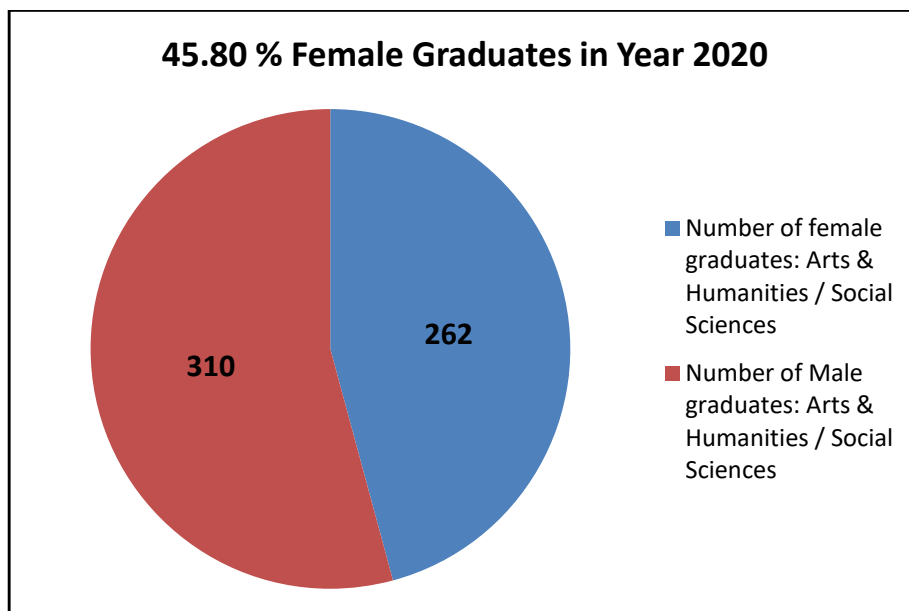


**Figure 1: Overall Female and Male Graduates in the year 2020**



**Figure 2: STEM Female and Male Graduates in the year 2020**





**Figure 3: Female and Male Graduates in Arts, Humanities and Social Science year 2020**

### **Social Work Activity for Gender Equality**

#### **Let's Make World A Better Place for "HER"**

Dated 14<sup>th</sup> March 2018 Amity Institute of Liberal Arts conducted the program on Let's Make World A Better Place for "HER". The local School students were called to understand Mentoring lecture from the Police Authority to inspire the Girl Students about their future career opportunities.



## Workshops and Lectures conducted

### Gender Sensitization

Amity University Maharashtra Had Organized an Event On Gender Sensitization To mark Women's Day 2019, dated 12 Apr 2019



In collaboration with Majlis Legal Centre, Amity Law School organized an event on Gender Sensitization To mark Women's Day 2019, and the chief guest of the event was Adv. Nausheen Yousuf Mandviwala. A half-day program gave students a platform to express their opinions using verbal (Skits, slogans, jingles/songs, and speech) and non-verbal (Posters, banners, and charts) expressions. This event focused on the rights of women, and the students were judged by a panel of judges and were given awards and certificates for their participation.

The objective of the event was to:

- 1) Focusing on the rights of women.
- 2) Concerning recent changes and their acceptance in society.





concerns of LGBTQ clients. Various questions which were pondered during the workshop were: What is gay-affirmative counseling practice? The questions which were covered in the session were what unique life stressors that face LGBTQ populations are? What are the tenets to do affirmative practice? Actual case discussions in small groups to practice using the perspectives and tenets. Students were sensitized about various mental health issues which clients from the LGBTQ community may face.

<https://www.amity.edu/mumbai/event-detail-normal.aspx?Event=9275&Events=Events>

### **Woman's Day Celebration**

**School:** RICS SBE

**Date:** 8th March 2019



Ms. Shalaka Lalwani - Principal Architect - Urban Planner, explained how women have played significant roles in different walks of life and how various geopolitical and socio-economic factors have influenced the engagement and contribution of women.

## Woman's Day Celebration

**Date:** Celebrated on 12th March 2020

Charu Singhania, Assistant General Manager at Gera Developments Pvt. Ltd., delivered a lecture wherein she spoke about RERA and how it has helped shape and benefit the entire real estate sector.



## Woman's Day Celebration

Speakers were Trupti Puranik, Poorva Rathore, Ankita Chelani, Sudhi Agarwal, Priti Pandey & Renuka Mandlik

Date: 11th March 2021









## **GOAL 6: Clean Water and Sanitation**

Cleanliness of the University Premises is a daily activity to provide a healthy and fresh environment outdoor and indoor. The regular cleaning of the floor space, Circulation space, faculty, and classrooms is a daily activity at the AUM. In addition, clean, purified drinking water is provided to all students and staff at the AUM. Each floor at the University has a provision of drinking water to facilitate for the visitors as well. In addition, the Canteen and hostels have a provision for clean drinking water.

The students are educated and encouraged through the Compulsory course Environment Studies (EVS) at the First and Second semesters of the first year of the Under Graduate course at AUM. Students are also time-to-time educated for the values, ethics, social responsibilities, and environmental cleanliness. Students are also timely educated to use the water wisely and save clean water for responsible production and consumption strategies.

The University is located in green surroundings with a pollution-free environment. Therefore, the used water is purified at the purification plant established on the University Campus premises. After the purification of the used water, the processed water is used in the garden of the University.

### **Green Amity Clean Amity**

The University has the “Green Amity Clean Amity” Signature, and following the Indian Governments initiative of “Swaccha Bhatat Abhiyan”.



## Clean Drinking Water Facility for the Students and Staff at AUM



## Water Recycling Plant at AUM



### **Cleanup Drive in Collaboration with AIESAC**

Amity University Yoga Club collaborated with AIESEC in Navi Mumbai and organized its clean-up drive in Panvel city, called Clean Up Navi Mumbai, on 20th of October 2019 near Panvel Railway station Circle near Amity Bus Boarding area between 8.00 am to 10.00 am. A total of 120 students from Amity Mumbai will be joining the cleanliness drive.

The primary aim of this social project is to bring a sense of awareness about the importance of sanitation and cleanliness of our surroundings and how it affects our lives and the changing climate. Through this project, we also aim to bring awareness to the 17 Sustainable Development Goals of the United Nations and its relevance and motivate people to take action in their ways to achieve these goals. In this project, we also aim to inspire the volunteers to incorporate sustainability in their personal lives, for example, by reducing their usage of single-use plastic products and adopting more sustainable lifestyles. AIESEC has invited a social media influencer, Ankita Chawla



(@hustlerani), for the event to enlighten the youth about the importance of sanitation and the cleanliness of their surroundings.

Ami-Yoga Club In association with AIESEC in Navi Mumbai, Organized 'Clean Up Navi' Drive in Panvel. The Drive also officially collaborated with Panvel Municipal Corporation. The Drive was attended by more than 100 volunteers from Amity University Maharashtra. The clubs Ami-Psych, Ami-Litz, and the student body of AIBAS actively joined hands for this event.





The event gained support from various age groups in society. Right from senior citizens to young children, volunteers from all age groups participated.

The primary aim of this social project was to bring a sense of awareness about the importance of sanitation and cleanliness of our surroundings and how it affects our lives and the changing climate.

Through this project, we also aimed to bring awareness to the 17 Sustainable Development Goals of the United Nations and its relevance and motivate people to take action in their ways to achieve these goals.

In this project, we also aimed to inspire the volunteers to incorporate sustainability in their personal lives, for example, by reducing their usage of single-use plastic products and adopting more sustainable lifestyles.

## **GOAL 7: Affordable and Clean Energy**

As a Power Purchaser, Amity University Maharashtra has signed the Power Purchase Agreement (PPA) with Clean Max Enviro Energy Solutions Private Limited as the power producer dated 6th April 2018. The agreement is for Design, Manufacture, Supply, Erection, Testing, and Commissioning, including warranty, operation & maintenance of Grid Connected Roof-top Solar Photovoltaic and Small Solar Power Plants in Resco Mode.



### **Battery Operated Cars**

Battery Operated Cars are available at the AUM premises to facilitate the in-Campus Work, such as passengers' commute.





## Photos of Solar Pallet

The university's vision is to generate energy from renewable sources and minimize the electricity from the conventional electrical grid. Therefore, the renewable energy utilization facility, i.e., solar pallets, are installed at the rooftop of the University buildings. The surplus energy generated is sent to the electrical grid.



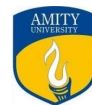


## **GOAL 8: Decent Work and Economic Growth**

### **Introduction**

The University provides the good opportunity to the Teacher, non-teaching and the contractual workers with decent wages. The University follows the regulations and guidelines provided in the Government of India, University Grants Commission (UGC), Government of Maharashtra, and other regulatory bodies. The

The Employee Provident Fund (EPF), Health Insurance and regular salaries are provided to all the employees. All the full time and contractual employees are connected with the banking facility.



The University provides the good working environment and ambience at the University premises. The University working hours are from Monday to Friday, starting at 9.00 am to 5.00 pm. Which includes the one hour or lunch break.

There is zero tolerance to the child labor and modern slavery at the University premises.

## Students Selection in United Nation's Millennium Fellowship 2020

Sr. No.	Student Name	Millenium Fellowship 2020
1	Mr. Abhishek Yadav	Decent Work And Economic Growth





## GOAL 9: Industry, Innovation and Infrastructure

The University has Strategic Partnerships with Tata Technologies. The collaboration with Tata Technologies has established the Laboratories on Automobile and Aeronautical Engineering with cutting-edge industrial equipment like 3D-Printer, Computer Numerical Control Lab consisting of several equipments, Vistara Aeroplane Design facilities, and Simulation setup at the AUM premises. In addition, Tata Technologies provides industry experts and student placements AUM's Philosophy of Developing the Strategic Partnership has brought the Industry to the doorstep of the Academic Institution with the high rate of placements.

### Partners for SDG

Level	Partner for SDG	Contribution to SDG
National	JMS Mining Pvt Ltd.	SDG9
National	CEMS	SDG9
Regional	Instron Technologies	SDG9
Regional	Digitech Confidential	SDG9

### Innovation Equipments

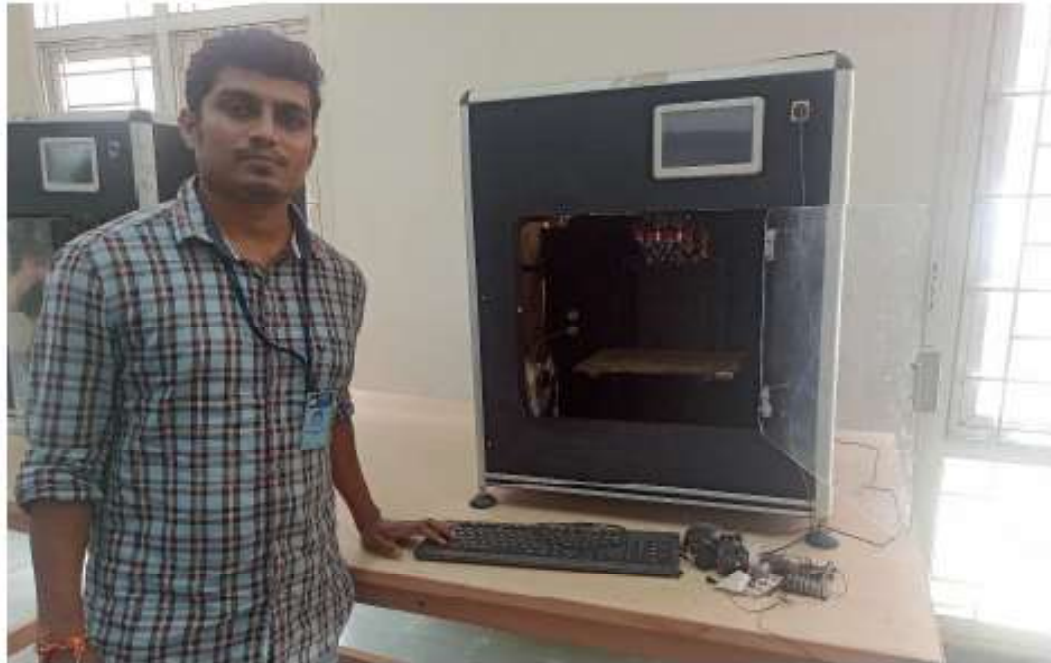
This report consists of the

- 1) Equipment purchase and delivery bills for CNC Lab (04 Bills Number)
- 2) Photographs of CNC Machine, 3D- Printing, CNC Laser Cutting Machine, Computer Lab, Robotic Assembly line, Welding Robots at Amity University Mumbai.
- 3) Events Photographs Conducted under the CNC Lab.
  - Design Autodesk Fusion 360 on 8 October 2020, 7th June - 11 June 2021.
  - Innovation Day Webinar on " Innovation and Opportunities in 3D Printing"

CNC Machine



3-D Printer



CNC Laser Cutting Machine



Computer Lab



Robotic Assembly Line



Welding Robot





## MoU Signed with CEMS

The AUM's Steps towards the Industry, Innovations and the Infrastructure Development the Memorandum of Understanding is signed between the Amity School of Engineering & Technology, AMITY University Maharashtra and Centre of Excellence in Maritime & Shipbuilding (CEMS).

Amity School of Engineering & Technology, Amity University Maharashtra, has signed MOU with the Centre of Excellence in Maritime & Shipbuilding (CEMS) on 3rd Feb 2020. CEMS is promoted by the Indian Registrar of Shipping, Sagarmala, Ministry of Shipping, Govt of India. CEMS has Software and Physical Lab facilities in Mumbai and Vizag set up by Siemens India Ltd of worth Rs 800 Crore. This will help to avail lab facilities set up by Siemens at Powai and Vizac for students and faculty of Amity.

The main objectives of MOU are:

- Access and training for students of Amity
- Diploma and Certificate courses at nominal cost
- Training for pass-out students
- Internships to the Amity students
- Faculty Development programs and access to the labs
- Availability of labs for undertaking industry projects and experiments
- Research scholars can use CEMS labs
- CEMS will set up a remote centre at Amity.

Further, there will be access to high-end software and facilities like CAD/CAM, Robotics, Plant Design, Product Design, and Digital manufacturing, applicable to some schools and research scholars/students.

## MoU with JMS Mining Pvt. Ltd.





Memorandum of Understanding (MoU) Between Amity School of Engineering & Technology, Amity University, Maharashtra And JMS Mining Pvt. Ltd. Dongfang Electric (DEC) Building, 3rd Floor, Premises No. - 16, MAR - 1111, Action Area - 1A, New Town, Rajarhat, Kolkata - 700 163, WB, India Is signed on 03/06/2021. JMS (A Simplex Infrastructures Associate Company) is a mining company that has pioneered in introducing Mass Production Technology (MPT) using Continuous Miners (CM) in underground coal mines in India and is leading in the Industry. The scope of the activity under this collaboration will be contained with respect to Coal mines for Proximity Detection.

### **MoU with Instron Technologies**

Amity Institute of Information Technology has entered into the MoU with Instron Technologies with the following objective.

- The MoU is for the research and academic development of faculty and students of the Institution and the mutual benefits of both collaborating parties.
- These functional MoUs with institutions/industries will allow the students for internship, on-the-job training, project work, student and faculty exchange and collaborative research with the mutual understanding between both parties.
- Bridge the gap between Industry and academics by training students in industrial approaches and technologies.
- Train and motivate students to ideate and implement their ideas that solve social and industrial problems.
- Bringing holistic thinking in students, and train students, and doing initial mentorship.
- Enable students to participate and bag laurels at National and International level Conferences/Seminars/Contests.
- Increase employability by developing technical skills in the students.
- Providing the best technical internships to the students from the college.
- Conducting workshops on the latest technologies by industry experts.



- Encourage cross-functional learning by facilitating multi-disciplinary areas.
- Connect with student in the college and have a constant conversation with them to motivate them to become best IT professional possible.
- Facilitate joint research using company's and college premises.
- Provide research projects to teaching faculties to enhance the quality of education.
- Educating the students about the various opportunities available in the IT Industry.

### MoU with Digitech Confidential

- Amity Institute of Information Technology has entered into the MoU with Digitech Confidential dated 8<sup>th</sup> June 2020 with **the** following objective.
- The MoU is for the research and academic development of faculty and students of the Institution and the mutual benefits of both collaborating parties.
- Bridge the gap between Industry and academics by training students in industrial approaches and technologies.
- Train and motivate students to ideate and implement their ideas that solve social and industrial problems.
- Bringing holistic thinking in students, and train students, and doing initial mentorship.
- Enable students to participate and bag laurels at National and International level Conferences/Seminars/Contests.
- Increase employability by developing technical skills in the students.
- Providing the best technical internships to the students from the college.
- Industry experts will conduct workshops in the latest technologies like GDPR & Data Protection Policies, Data Subject Access Requests, and Data Processing Agreements.
- Encourage cross-functional learning by facilitating multi-disciplinary data protection and security-related projects.
- Establish connect with the student in the college and have a constant conversation with them to motivate them to become the best IT professionals possible.
- Facilitate joint research using company's and college premises.



- Provide research projects to teaching faculties to enhance the quality of education.
- Educating the students about the various opportunities available in the IT Industry.

## Amity Centre of Excellence in Astrobiology MoUs



## Paras Defense and Space Technologies Limited

### Space Technology Development

Amity University has signed an MoU with Paras Defence and Space Technologies Ltd. to collaborate on the design and development of microgravity-based research hardware. This allows Amity's students to undertake hands-on training in building spaceflight hardware and software systems.

## Open University UK

### Astrobiology Research, Student Training and Education Outreach

Amity University and Open University UK signed an MoU in September 2019. One of the primary focal areas of collaboration is the exploration of hypersaline microbial environments that are early Mars analogues. Amity and OU are also partnering on engaging with the general population for Space education outreach.

## Blue Marble Space Institute of Science

### Astrobiology Education and Communication

Amity and BMSIS have been collaborating since August 2016 on Astrobiology education, outreach and science communication. Blue Marble Space has a vast



network of space scientists from NASA, NSF and major universities in the US, Europe and other parts of the world.

### **Mars Society Australia**

#### **Mars Analogue Research and Education**

Amity and Mars Society Australia (MSA) have been partners since August 2016 while exploring Ladakh, India, as an early Mars analogue. MSA researchers have mentored Amity students on Mars habitat design projects.

### **Birbal Sahni Institute of Palaeo sciences**

#### **Mars Analogue Research and Education**

Amity students and researchers are actively collaborating with scientists at BSIP to work on the geo-scientific aspect of the field.

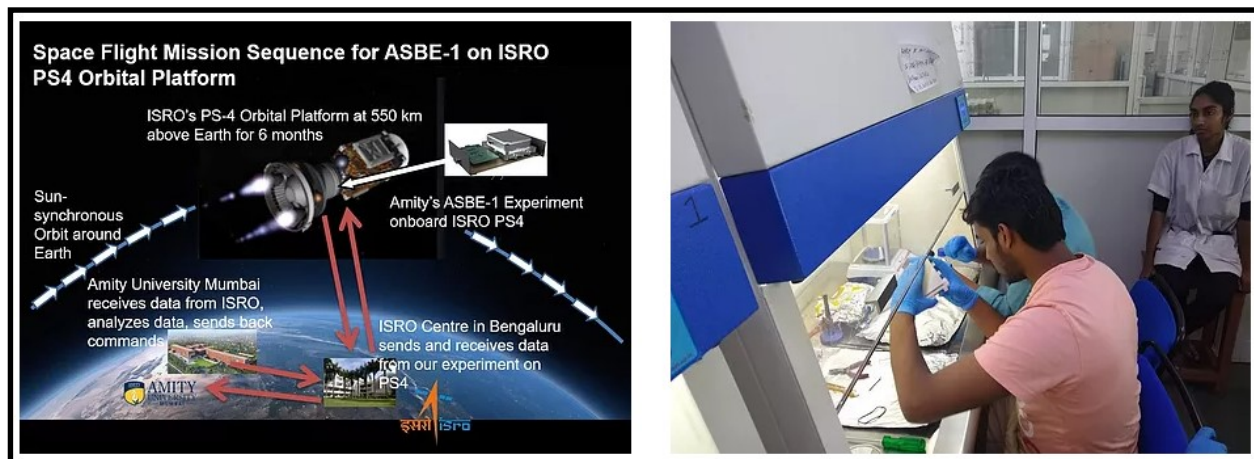
### **SatSure**

#### **Mars Analogue Research and Education**

SatSure is providing remote sensing data to the researchers. The data about Earth will help researchers understand more about particular analogue sites.

## Amity Centre of Excellence in Astrobiology Research

### Microgravity Bioscience Experiments For Low Earth Orbit



Our Centre is involved in studying the impact of reduced gravity on the growth and health of high-yielding plant crops. We have designed and developed in partnership with Paras Defence and Space Technologies Limited, the Amity Space Biology Experiment-1 (ASBE-1) selected for flight as part of the Satellite SpaceShare Package on the ISRO PSLV C49 PS-4 platform.

#### Amity Space Biology Experiment-1 (ASBE-1)

The Amity Space Biology Experiment-1 (ASBE-1) is our first spaceflight experiment. It has been designed and developed at Amity University Maharashtra in partnership with Paras Defence and Space Technologies Limited. The experiment has been selected for flight as part of Satellite SpaceShare Package on ISRO PSLV C49 PS-4 platform. This will be India's first biological experiment in Space.



ASBE-1 Engineering Team with the flight payload prior to handover.



ASBE-1 Team integrating plant samples within hardware for tests.

### Research Motivation

- Gravity sensors are critical to plant survival, affect fundamental plant biology.
- To support humans in space, need to study the effect of space environment, mainly microgravity on the growth of high-yield plants.
- Learning exercise for students in design, assembly of space payload.
  - Hardware design, fabrication and assembly
  - Spaceflight software coding and testing
  - Life science payload handling and integration
  - Spaceflight Documentation and Presentation

### Callus samples

**Why plant?**

- Remarkable developmental plasticity = Regeneration capacity
- High versatility, respond to environmental challenges

**Why Callus?**

- Whole plant can be regenerated in one step
- Slow growth, time to study each stage of changes

Fengler et al., 2015, Arabidopsis callus

Media with clonip

Our payload image: Callus Nirofiana - 1 month old

ATM PIC Lab Callus lab 3 months old

## ASBE-1 Team

Project Manager: Dr Siddharth Pandey

Science Leads: Dr Renitta Jobby (Assistant Professor, Biotechnology, Amity University Maharashtra)

Dr Pamela Jha (Assistant Professor, Biotechnology, Amity University Maharashtra)

Mechanical Engineer: Mr Kartik Agrawal (B Tech AE 4th year, Amity University Maharashtra)

Electrical Engineer: Mr Akshay Ghaywat (B Tech EE 4th year, Amity University Maharashtra)

Software Engineer: Mr Ashish Sam (B Tech CSE 4th year, Amity University Maharashtra)



Biotechnologist: Ms Abigail Fernandes (MSc Biotech, Amity University Maharashtra)

## **Off-Earth Drilling Technology Development**

Lunar water and minerals are precious space resources that will support human exploration and future trade and commerce. With Chandrayaan-1, India has confirmed a significant presence of water in the Lunar south pole region. Data from Chandrayaan-2 will reveal the global abundance and locations for further analysis. The subsequent missions would require acquiring subsurface samples to characterize the volatiles and identify the locations at the south polar region. Drilling is a crucial piece of technology that would be required to search for signs of life under the surface of Mars and Icy Moons. Our lab is involved in studying the effect of the lunar near-surface and subsurface environment on the performance of drill systems for sample collection and handling systems.

## **Lunar Drill Development Summer Internship 2020**

Students from Amity University Maharashtra and IIT Bombay are currently undertaking summer internships with Dr Siddharth Pandey, studying various aspects of lunar drill design and analysis.

### **Team**

Neha Maanju, B Tech 2nd Year, ME, IIT Bombay

Nilay Awasthi, B Tech 3rd Year, ECE, Amity University Maharashtra

Sipra Sonali Pradhan, B Tech 2nd Year, ME, IIT Bombay

Vedanth Sharma, BTech 2nd Year, AE, IIT Bombay



## **MoUs Signed by Amity Institute of Bio-Technology**

### **MOU with Prokayote Lab (Hydrocarbon)**

Amity Institute of Biotechnology at Amity University Maharashtra and Prokaryotes Lab Pvt. Ltd, Bangalore, India entered into 15th July 2019 on Sustainable Development Goals and following objectives

- a) Conduct joint research activities on the project entitled "Development of Hydrocarbon degrading Kit" and within the fields of interest with mutually agreed-upon projects and subject to the availability of funds.
- b) Participate in conferences, symposia and seminars of mutual interest
- c) Collaborate in joining research in the thrust areas of the respective company institute, file patents, and publish research findings.
- d) Cooperate to solicit joint proposals for funding from various funding agencies and exchange scientific information and documentation, both written and electronic.

### **MOU with Vrovafacets**

Amity University Maharashtra and Vrovafacets Private Limited Bangalore Singed MOU on 5th January 2021 for Sustainable Development Goals and in the benefits of the Community with the following objectives:

- a) Conduct joint research activities on the project entitled "Product of high-quality food-grade agar from seaweed" and within the fields of interest with projects that are mutually agreed upon and subject to availability of funds.
- b) Participate in conferences, symposia and seminars of mutual interest
- c) Collaborate in joint research in the thrust areas of the respective Company-University, file patents and publish research findings.
- d) Cooperate to solicit joint proposals for funding from various funding agencies and exchange scientific information and documentation, both written and electronic





### **MOU with Annotation Analytics**

Amity University Maharashtra and Annotation Analytics Pvt. Ltd, Gurgaon Haryana, Singed MOU on 9th December 2019 for Sustainable Development Goals and in the benefits of the Community with the following objectives:

- a) Conduct joint research activities on the project entitled "Product of high-quality food-grade agar from seaweed" and within the fields of interest with mutually agreed-upon projects and subject to availability of funds.
- b) Participate in conferences, symposia and seminars of mutual interest
- c) Collaborate in joint research in the thrust areas of the respective Company-University, file patents, and publish research findings.
- d) Cooperate to solicit joint proposals for funding from various funding agencies and exchange scientific information and documentation, both written and electronic

### **MOU with Gumpro**

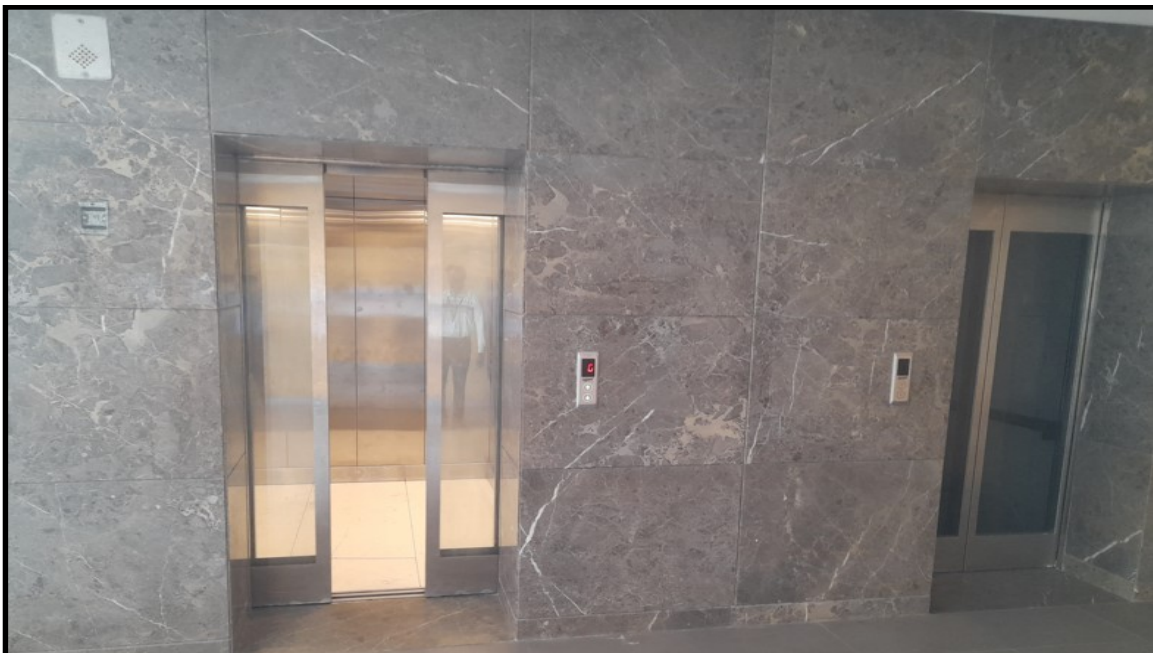
Amity University Maharashtra and Gumpro Drilling Fluids Pvt Ltd, Mumbai Singed MOU on 6 November 2019 for Sustainable Development Goals and in the benefits of the Community with the following objectives to execute the project entitled "Production of Gum for drilling fluids using biotechnological approach", subject to the availability of funds. Under the collaboration, the Chiller Unity for Reactor equipment was delivered and installed.

## **GOAL 10: Reduced Inequality**

The University has established the infrastructure with careful provision for persons with disabilities. The Walking Ramps, the Elevators, Wheel-chairs are available at the various academic and administrative blocks. The Battery Operated small Vehicles are available from the moment from one block to the other block.

The University also provides equal opportunity to the personals with disabilities. The University also gives admission to students with disabilities and maintains a good environment and provisions at the various stages of academics. For example, special care is taken during the examination, academics, evaluations of such students.

### **Elevator Facility for the Person with Disabilities**



## Ramp for the for the Person With Disabilities



## Ramp Facility at Multiple Buildings for the for the Person with Disabilities





## Through the Eyes of a Specially Abled

School: Amity School of Architecture and Planning

Sanrachna, an event organized by students of ASAP was held at Urban Haat CBD Belapur, and the event was attended by the students of ASAP, ASFA AUM as well as six other Architecture colleges of Navi Mumbai where Ar Suhel Makandar(Asst Prof. ASAP AUM) conducted a workshop on the theme Experiencing Space Through the Eyes of a Specially Abled. The Workshop is conducted on the mandate that all public space shall be universally accessible. More than 40 students attended the Workshop.

Date of Event: 02/08/2019

Participants:

AUM faculty and Student Volunteers from ASAP & ASFA



# EXPERIENCING SPACES THROUGH THE EYES OF SPECIALLY ABLED

BY AR. SUHEL MAKANDAR  
21<sup>ST</sup> SEPTEMBER 2019

This workshop will be dealing with different activities that will help one in learning, experiencing and recognising the different challenges and obstacles that are faced by specially abled or elderly people. It will help to influence the participants in considering the issues of these people and also help one to understand the design strategies and aspects that should be applied in the communal areas.

**62<sup>ND</sup> YEAR ZONAL NASA CONVENTION ZONE 2**  
Z247 - AMITY SCHOOL OF ARCHITECTURE AND PLANNING, MUMBAI

**INCEPTION** 

<b>ZONAL PRESIDENT</b> PARSHVA SHAH sp2@nasaindia.co +91 99795 11103	<b>ZONAL CONVENOR</b> CLARYSE D'CRUZ zone2con@nasaindia.co +91 75062 42440	<b>UNIT SECRETARY</b> AAYUSHI IYER z247@nasaindia.co +91 96194 38331	 INCEPTION		 EMBARK	 National Association of Students of Architecture
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## GOAL 11: Sustainable Cities and Communities Certification

### Leadership in Energy & Environmental Design (LEED) Green building Rating Certification

Amity University Maharashtra has fulfilled the requirement of the Leadership in Energy & Environmental Design (LEED) Green building Rating Certification Established by the US Green Building Council and Verified by Green Business Certification Inc. LEED V4 ( Building Design and Construction: New Construction and Major Renovations) GOLD Certificate was issued to AUM in July 2018.





## Maharashtra Pollution Control Board Has Grant The Renewal Of Consent

Maharashtra Pollution Control Board has granted the renewal of consent to operate (PART-1 & 2) with amalgamation for Educational Complex & Hostel Buildings Dated 02/12/2020, under section 26 of Water (Prevention & Control of Pollution) Act 1981 and Authorization under Rule 6 of Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered, and the consent is hereby granted subject to the terms and conditions.

## Rain Water Harvesting Plan

Rain Water Harvesting plan is approved with a proposed Capacity of 800 Kld. by Maharashtra State Road Development Corporation Ltd.

Population :		
Students		8000
Hostel & Residential		4000
Staff		800
Visitors		600
Total number of students & staff		4800
Description	Required Capacity	Proposed Capacity
Domestic water tank	483 Kld	495 Kld
Flushing water tank	282 Kld	396.552 Kld
Sewage Treatment Plant	765 Kld	800 Kld
Rain water harvesting tank	2412.72 Kld	2412.72 Kld
Fire fighting tank	As per CFO	Proposed
Underground Fire storage tank	50 Kld x 4 = 2,00,000 ( No. of structures above 15.00 mt. height	225 cum

Provided 12 nos. Rain Water storage tanks of 8.0 meter dia, 6 meter deep having a water depth of 4.0 meter.

Capacity of 1 rain water storage tank =  $(3.14 \times (8)^2 \times 4) / 4 = 201.06 \text{ cum.}$

Capacity of 12 rain water storage tank =  $12 \times 201.06 = 2412.74 \text{ cum.}$



### **Provision of Automatic Organic Waste Converter**

Amity University Maharashtra has made a provision for the Automatic Organic Waste Converter From Green Envirotech Vendor having the capability of handling up to 250 kgs/day organic waste and converting to compost within 48 hours, fabricated in MS Sheet complete with two nos. Reversible 3 phase motors, MS Axle with cutting and churning blades, heaters, blower, automatic control panel with digital temperature controller etc., of size 2.00 x 1.00 X 1.20 Mtrs complete.

### **Workshops and Seminars**

#### **Innovative On-Site Construction Techniques and Skill Development**

Innovative on-site construction techniques and skill development long-duration program  
Conducted by Amity School of Architecture and Planning

#### **Short Description of the Event:**

A farmhouse was designed by Ar. Onkar Kulkarni in Wayfale Farms (district Sangli, Maharashtra) and built during the lockdown period from June to October 2020. A number of experiments were tried out on-site - such as laterite stone construction and basalt stone construction (in legendary architect Nari Gandhi style), cow dung plaster, adhesive motifs, ferrocement chajjas, simple and indigenous construction techniques with a blend of modern technologies, use of old car glasses as roof lights etc. Executed without any skilled labor, with the help of laymen, the farmhouse is now quite comfortable to live in, with minimum requirements and devices and a temperature difference of 4 degrees between the outside and inside temperatures.

**Date of the Event:** 27.05.2020 to 31.10.2020

Total No. of Outside participants (Count) Woman: 03

Total No. of Outside participants (Count) Men: 09





AMITY SCHOOL OF ARCHITECTURE & PLANNING, MUMBAI

PRESENTS

# KNOWLEDGE SERIES WEBINAR #10

Topic:

## **COST EFFECTIVE SUSTAINABLE ARCHITECTURE**

Speaker:

**Ar. Mangesh Jadhav**

*Founder,  
Nirmittee Architects*



WORLD  
**ARCHITECTURE**  
DAY 2020

**Saturday, October 10<sup>th</sup>, 2020**

Time: **10:00 a.m. (IST)**

**Live On:**

Google Meet: [meet.google.com/ijb-shzz-kma](https://meet.google.com/ijb-shzz-kma)





## Visit Yusuf Meherally Centre & Go Green Nursery

The Visit organized by the Amity School of Architecture and Planning

### **Short Description of the Event :**

Yusuf Meherally Centre is a voluntary organization, which is registered under the Societies Registration Act, 1860, and the Bombay Public Trust Act, 1950. The Centre was started in 1961 in memory of Yusuf Meherally and was formally inaugurated in 1966, by Dr. Zakir Husain, the then vice president. The Centre is in health care, education, empowering women and Adivasis (tribal), employment generation, and relief.

Date of the Event : 15.03.19

**Resource Person :** Prof. Abhijit Shirodkar, Asst.Prof Krati Agrawal, Asst. Prof. Laxmi Ramnani, Asst. Prof. Suhel Makandar, Asst. Prof. Sushant Jagnade.

**Total No. of Outside participants (Count) Woman:** 02

**Total No. of Outside participants (Count) Men:** 32

### **Seminar on “State-of-the-art in Construction Techniques”**

School & Department : Civil Engineering, ASET

Resource Person : Mr. Rajesh A. Vaidya, Reliance Industries





The seminar covered new construction techniques available in India in different application areas such as India's 1st 1,65,000 cum Ethane storage tank, Bandra-Worli sea link bridge, Surveys for Deepwater Oil & Gas Project, Laying of underwater cables, Deepwater foundations & subsea structures.

**Objective(s) of the Event :**

- To impart the knowledge of handling real-time projects in different domains.
- To understand the present construction techniques.



## A Joint Workshop On Sustainability And Property Development Process

6 <sup>th</sup> April 2018 RICSSBE AUM & BNCA Joint Workshop	
Timings	Event Name
11-11.15 am	Diya lighting Ceremony (Dean & Directors with visiting faculty)
11.20- 11.50 am	Property development process & MOEF (Pooja Sastry)
12.00-12.20 pm	Real Estate Finance Basic concepts (Navneet Sharma)
12.20- 12.50pm	Sustainability Introduction through Case Study (Nidhi Dixit)
1-1.30 pm	Lunch
1.30-3 pm	Students Interaction with Pragnesh Trivedi
3-3.30 pm	Future action plan with learnings & feedback from students
3.30- 4pm	Tea & Snacks
4-4.30 pm	247 park Mumbai case study (Amol Shimpi)
4.30-5pm	Opportunities in Built Environment Sector (Amol Shimpi)
5-5.30pm	Certificate distribution

Organizer :

**RICS SBE AUM & Bhanuben Nanavati College of Architecture for Women (BNCA)**

**Date of Event:** 6th April 2018

**Short Description:**

***Approach 1 - Environmental Economics exercise***

Understand the environmental aspects of the existing institute building. Considering the high operations cost, workout, a "retrofitting plan" considering environmental and economic aspects. Create a pitch for the board of directors to adopt green practices.

***Approach 2 - Green makes business sense***

Talking about emerging trends in Real estate and various financial models for green buildings. Select a project and work out a business case for township/commercial/ hotel/ infrastructure project taking into consideration the environmental aspects to create "sales pitch" for the developer.

**Total No. of Outside participants (Count) Woman : 20.**

## Highlighting Potential Career Opportunities In The Built Environment

The Webinar Conducted by RICS SBE AUM

**Date of the Event** : 10/11/2018

Faculty Trainer : Dr. Sanjay Patil



Total No. of Outside participants (Count) Woman: 42

Total No. of Outside participants (Count) Men: 56

## Creating Awareness Towards Opportunities In Built Environment For Civil Engineers.

**Webinar Date:** 12/10/2018

Resource Person: Mr. Abhishek Panchal

Total No. of Outside participants (Count) Woman: 23

**Total No. of Outside participants (Count) Men: 41**

Organizer: **RICS SBE AUM**

### **Risk Identification, Analysis, and Management in Construction**

Webinar Date : 12/09/2019

Resource Person : Dr. Sanjay Patil

Total No. of Outside participants (Count) Woman: 17

Total No. of Outside participants (Count) Men: 28



Organizer : **RICS SBE AUM**

Seminar :

### **Creating Awareness Towards Opportunities In Built Environment For Architect**

Date of the Event: 23/09/2019

Resource Person **Prof. Amol Shimpi**

**Total No. of Outside participants (Count) Woman: 22**

**Total No. of Outside participants (Count) Men: 47**



**Organizer : RICS SBE AUM**

**Seminar :**

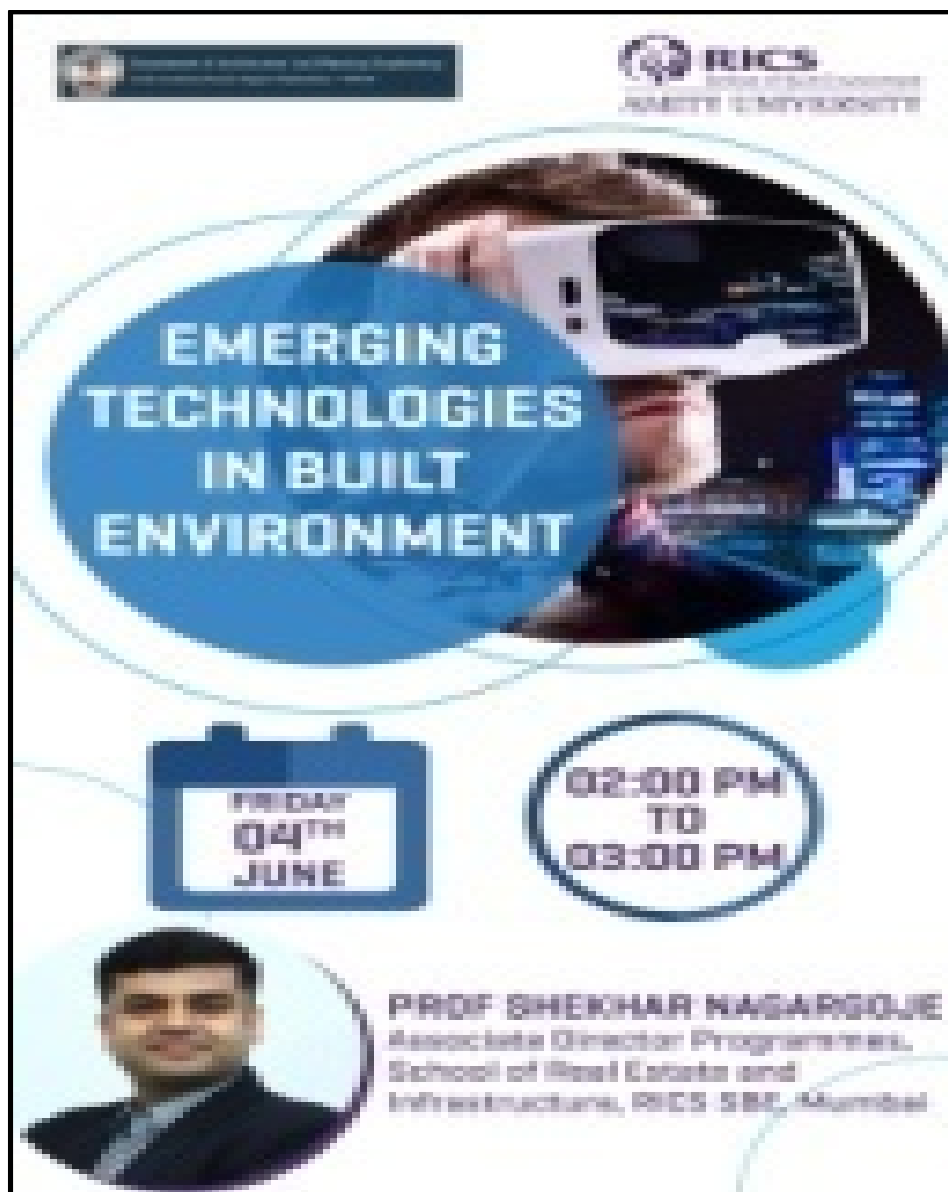
**[New Technologies in Construction](#)**

Date: 04/06/2021

Resource Person: Prof. Shekhar Nagargoje

Total No. of Outside participants (Count) Woman: 32

Total No. of Outside participants (Count) Men: 34



**Organizer : RICS SBE AUM**

**Seminar :**

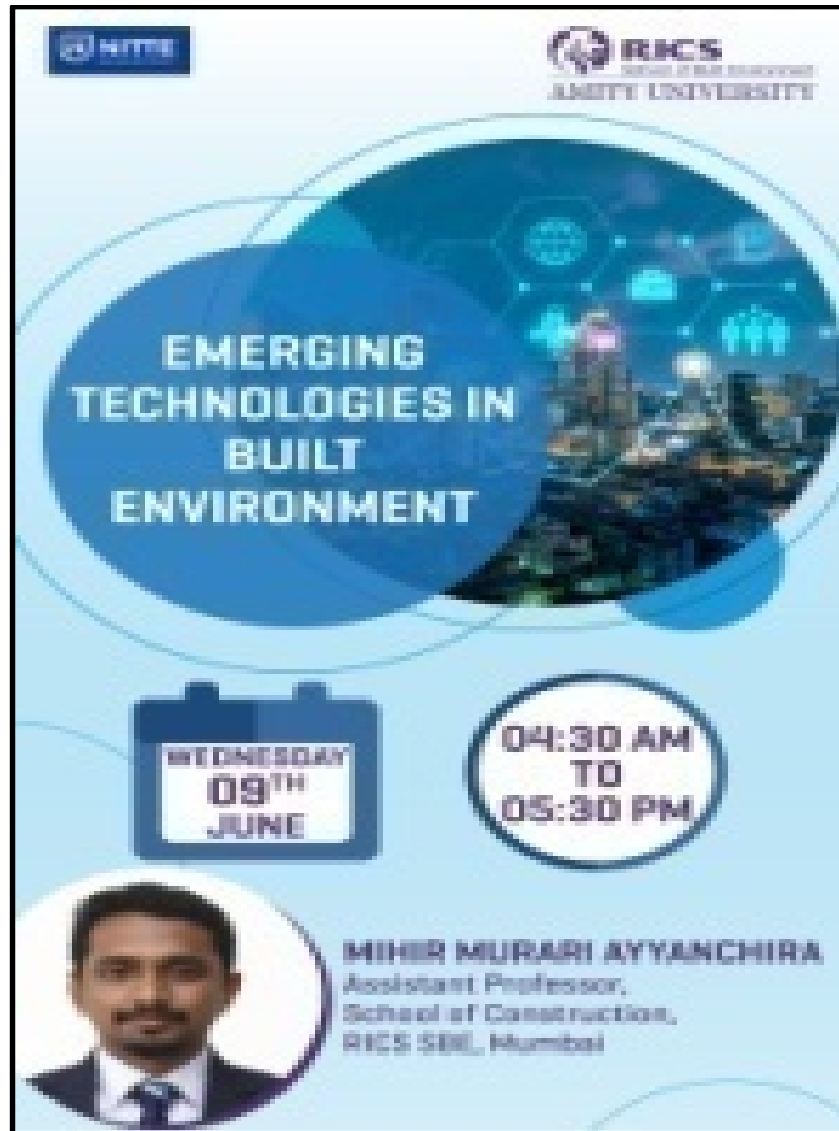
The webinar was conducted towards defining the future transformation of the Built Environment Sector post pandemic

Date: 09/06/2021



Total No. of Outside participants (Count) Woman: 24

Total No. of Outside participants (Count) Men: 37



**NITE**

**RICS**  
SCHOOL OF BUILT ENVIRONMENT  
AMITY UNIVERSITY

**EMERGING TECHNOLOGIES IN BUILT ENVIRONMENT**

**WEDNESDAY  
09<sup>TH</sup>  
JUNE**

**04:30 AM  
TO  
05:30 PM**

**MIHER MURARI AYYANCHIRA**  
Assistant Professor,  
School of Construction,  
RICS SBE, Mumbai

## GOAL 12: Responsible Consumption and Production

### Students Selection in United Nation's Millennium Fellowship 2020

Sr.no	Student Name	Millennium Fellowship 2020
1	Ms. Mrityika Sarkar	Responsible Consumption And Production



### NOC From Maharashtra Pollution Control Board

The University has submitted the Maharashtra Pollution Control Board application for the following responsible consumption and production Sustainable Development Goal.

- Consent to Establish/Operate/Renewal of consent under section 25 and 26 of the Water (Prevention & Control of Pollution) Act, 1974 as amended.
- Consent to Establish/Operate/Renewal of consent under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended.
- Authorization/renewal of authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 connected with

my/our/existing/proposed/altered/ additional manufacturing/processing activity from the premises.

### Water Recycling Plant at AUM



### Green Basket

#### Short Description of the Event:

Green compost is an entrepreneurship organization started by Mr. Jayant Joshi from Thane, Mumbai. He gave a presentation regarding an awareness programme on composting method of bio-waste. He presented to the faculty members the effective ways of composting bio-waste. He also had some tools to implement it, and he retailed those tools to the public. This presentation was successful, and it helped the participants to disseminate the knowledge gained through this presentation to the students and the society we are part of.

**Date of the Event:** 20.06.2018

Resource Person :

Mr. Jayant Joshi-Micro Biologist and ASAP, ASFA faculty

## GOAL 13: Climate Action

### Students Selection in United Nation's Millennium Fellowship 2020



Sr.no	Student Name	Millenium Fellowship 2020
1	Ms. Jyotsna J.	Climate action

### Partners for SDG

Level	Partner for SDG	Contribution to SDG
National	Paras Defence and Space Technologies Limited	SDG13, SDG14, SDG15
International	Open University UK	SDG13, SDG14, SDG15
International	Blue Marble Space Institute of Science	SDG13, SDG14, SDG15
International	Mars Society Australia	SDG13, SDG14, SDG15
National	Birbal Sahni Institute of Palaeosciences	SDG13, SDG14, SDG15
National	SatSure	SDG13, SDG14, SDG15

## Ozone Day Celebration on 18<sup>th</sup> September 2018

Environmental science studies patterns and processes in the natural world and their modification by human activity. To understand current environmental problems, we need to consider physical, biological, and chemical processes that are often the basis. For example, ozone depletion describes two related events observed since the late 1970s: a steady lowering of about four percent in the total amount of ozone in Earth's atmosphere (the ozone layer), and a much more significant springtime decrease in stratospheric ozone around Earth's polar regions. The latter phenomenon is referred to as the ozone hole. There are also springtime polar tropospheric ozone depletion events in addition to these stratospheric events.



### Objective(s) of the Event

- AMIENVIRO club always tries to make students aware of the various environmental processes and human activities and their impacts.
- Students from all sorts of educational fields experience the day to day environment-friendly activities.

Through the learning experience, students try to apply these sustainable activities to their real life and help make the surrounding environment better.



## Making exciting Discoveries Together

### Climate Change is visible in Ladakh

**‘Climate change is visible in Ladakh with glaciers losing ice — this impacts all of us’**

Times Evoke | Updated: Nov 14, 2020, 09:49 IST

✉️ 🖨️ A- A+

**WORD** *Handler* Unlock your **blog's** true **revenue** potential **GET STARTED**



*Aerospace researcher **Siddharth Pandey** heads the Centre of Excellence in Astrobiology at Amity University, Mumbai, and is currently analysing the manifestations of global warming and climate change in Ladakh. Writing in **Times Evoke Inspire**, he discusses such climate impacts on the region — and how these will extend beyond Ladakh as well:*

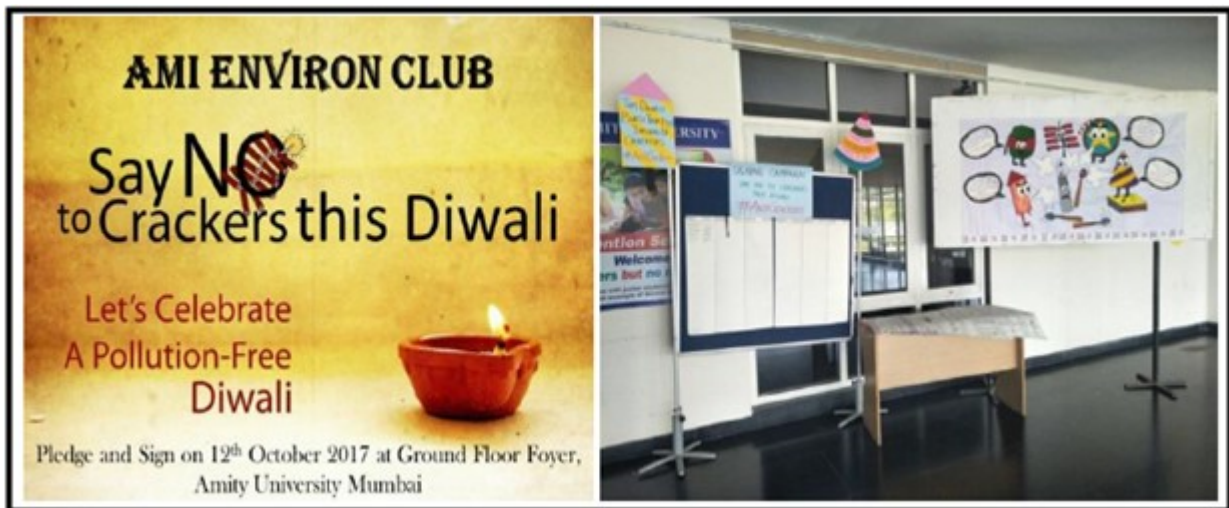
Climate change is visible in Ladakh with glaciers losing ice ..

### Ami Environ Club Celebrated the Say No Crackers this Diwali Signing Campaign

BFA 1st semester students prepared to sign sheets, Posters and placards for taking photographs. On the day of the signing, BFA, and B.Sc. Animation students were

present at the venue throughout the day. The students and Dr. Aradhana, and Ms. Sakshi Bansal (coordinator) motivated others to pledge for the cause.

Three hundred ninety signatures were received by the end of the day from students and faculty of different departments. Students took pictures with the placards and pledged not to burst crackers this year.







### AmiSustain Club Activity

AmiSustain aims to promote sustainability in all aspects of life, including mental and physical health and food, water, and the environment. This is put into action utilizing spreading awareness via conducting seminars and workshops and by organizing events and competitions. We at AmiSustain, wish to make a difference by finding and implying eco-friendly and cost-effective alternative ways. The club's annual newsletter "AmiSustain" encourages creative thinking and provides a suitable platform to broadcast conservation ideas and a better way of living.



## GOAL 14: Life below Water

### Activity from Centre of Excellence in Astrobiology Activity in Ladakh



### Understanding Climate Change and Training for Mars Exploration



## Walking through Earth's History: TSO Kar, Ladakh



## Learning Team Work and Cooperation in the Field



## Ground Penetration Radar: Studying the Water ice deposits under the lake



## GOAL 15: Life on Land

### Early Mars Analogues: Habitability and Bio-signature Preservation in Hypersaline Lakes and Permafrost

The Activity from Centre of Excellence in Astrobiology in Ladakh is conducted. Several saline lakes present in Ladakh's high-altitude, rain-shadowed region are potential analogues to lakes that existed on early Mars (>3 Ga), formed by evaporation of briny surface lakes. Over 600 small (~<25 km<sup>2</sup>) individual light-toned chloride deposits have been observed across the surface of Mars and appear to be associated with the fine-scale polygonal pattern, topographic lows and fluvial channels. They are relevant to planetary geomorphologists studying early Mars and have astrobiology significance in relation to the habitability of groups studying microbial life in briny environments and salt deposits. Our group is studying Tso Kar, Ladakh as an Early Mars Analogue and



exploring in-situ analysis of samples, testing of hand-held/rover-based instruments for biosignature studies. We published an overview of Ladakh's astrobiology potential

### Earth and Space Exploration Program

ESEP is a 3-year program, with several partner organizations that enables people from all walks of life to learn about our planet and be a part of climate change and Mars exploration training.

The program aims to support research related to astrobiology, help monitor climate change, inspire students to pursue STEAM education, and spread awareness in India.

The first edition of the program was successfully conducted in July 2021.



## Learning about hot Springs and how life originated



## Learning to observe and taking Scientific Notes







## Studying Life In Extreme Conditions



## Experiencing Life at Very High Altitude Regions



GPR : Ground Penetrating Radar:  
Studying the water ice deposits under the lake

## Ground Penetration Radar



GPR : Ground Penetrating Radar:  
Studying the water ice deposits under the lake

## Studying the Water Ice Deposits under the Lake



## Mars Amity Surface Characterization Rover



## Cosmic Adventures



## MARS : Mars Amity Research Station



“Amity is establishing India’s first Planetary Science, Education and Experience Program in a remote, off-Earth like environment. The program will support Astrobiology and Space Biology research, help monitor Climate change, inspire students to pursue STEM education and spread awareness about Space in India.”



## **GOAL 16: Peace and Justice Strong Institutions**

University has conducted various legal awareness camps and activities.

### **Legal Awareness on Girl Child Education & Rights for Women.**

The students of Amity Law School had organized Legal Awareness on Girl Child Education & Rights for Women. The series was a part of a series on Pan India Awareness. The session; was conducted at V.K. High School with girls from various grades. The highlight of the session was the in-depth information by Mrs. A.A. Godse, Civil Judge Senior Division.



### **Justice for All as part of the Pan India Awareness Series**

With the motto of Justice For All as part of the Pan India Awareness Series, the students of Amity Law School and Panvel Bar Association & Paralegal Volunteers - Ms. Riddhi Munoth, Mr. Girish Ambapkar & Mr. Vineet Malpani organized an awareness program on Stress Management and Mental Health Awareness. Dr. Rahul Bhatambre, Consultant

Neuro-Psychiatrist & Swapnil Bhoji, Clinical Psychologist, were invited to speak on the topic. Dr. Rahul explained what stress is and how to deal with it most healthily. Mr. Swapnil gave an insight into various disorders and the social stigma attached to them.





## The series of Pan India Awareness Lecture series Schemes of Legal Aid Services

As a part of the series of Pan India Awareness Lecture series Amity Law School with Adv. Vaidu (Panvel Bar Association) participated in Schemes of Legal Aid Services. Ms. Riddhi Munoth & Mr. Girish Ambapkar from the law school volunteered as Paralegal. Adv. Vaidu, shared the importance of the scheme and discussed the landmark judgment of Hussainara Khatoon vs the State of Bihar to help the audience understand and to highlight that speedy trial is the fundamental right of every citizen. The session was concluded by Hon'ble A.M. Mujawar, Civil Judge Senior Division, Panvel. During the session, Mr. Girish law school student, gave some insight on the sexual assault cases and how the cases can be reduced by giving the proper knowledge to society.





### **A Legal Awareness Programme**

A Legal Awareness Programme was organized by the students of Amity Law School in the series of Pan India Awareness and flagging the motto of Justice For All.

Paralegal Volunteers Ms. Riddhi Munoth, Mr. Girish Ambapkar, Ms. Priya Nair, and Mr. Pulkit Awasthi distributed flyers in 9 villages and conducted a session on the Schemes of Legal Aid Services and how each one is entitled to free and true legal aid services. The focus of this session was to share the knowledge about poverty, sexual assault, and exploitation, disaster management, etc., and share the core principles and anthem of NALSA and the thought of Free legal services. The idea behind sharing the flyers with the villagers was Each One - Teach One. The Paralegal Volunteers explained this small task to each villager that if one person of the village is explaining these concepts and schemes to a minimum one person of the village. And the same chain continues with the intention that there will be no village in this country that would not know about the services provided by the judiciary.





## GOAL 17: Partnerships to achieve the Goal

### Introduction

This report is prepared to summarize the MoUs signed to achieve excellence in teaching, research, and collaborations. The University has entered into the various MOUs to achieve Sustainable Development Goals.

### Partners for SDG

Level	Partner for SDG	Contribution to SDG
<b>Regional</b>	MoU with Param Foundation	SDG2
<b>International</b>	University of Cincinnati	SDG3
<b>International</b>	Wuyi China and Evergreen University	SDG3
<b>National</b>	Institute of Acupuncture and Natural Medicines, New Delhi.	SDG3
<b>Regional</b>	LTM Medical College and General Hospital Sion, Mumbai	SDG3
<b>Regional</b>	Jagruti Rehabilitation Center Taloja, Navi Mumbai	SDG3
<b>Regional</b>	Public Health Department Government of Maharashtra	SDG3
<b>National</b>	Prokayote Lab	SDG3 & SDG4
<b>National</b>	Vrovafacets	SDG3 & SDG4
<b>National</b>	Annotation Analytics	SDG3 & SDG4
<b>National</b>	Gumpro	SDG3 & SDG4
<b>International</b>	Liverpool John Moores University England	SDG4 & SDG11
<b>International</b>	RMIT, Australia	SDG4 & SDG11
<b>International</b>	List of 25 Foreign Universities	SDG4
<b>Regional</b>	Mahatma Phule Arts, Science and Commerce College, Panvel	SDG4
<b>National</b>	JMS Mining Pvt Ltd.	SDG9
<b>National</b>	CEMS	SDG9
<b>Regional</b>	Instron Technologies	SDG9
<b>Regional</b>	Digitech Confidential	SDG9
<b>National</b>	Paras Defence and Space Technologies Limited	SDG13, SDG14, SDG15
<b>International</b>	Open University UK	SDG13, SDG14, SDG15
<b>International</b>	Blue Marble Space Institute of Science	SDG13, SDG14, SDG15
<b>International</b>	Mars Society Australia	SDG13, SDG14, SDG15
<b>National</b>	Birbal Sahni Institute of Palaeosciences	SDG13, SDG14, SDG15
<b>National</b>	SatSure	SDG13, SDG14, SDG15



### Collaboration with NGOs for SDGs

Amity Institute of Liberal Arts (AILA) at the Amity University Maharashtra collaborating with the various NGOs like Udan Foundation, YRG Care, Kotak Foundation, Wockhardt Foundation, Reliance Foundation, Shree Mukti Sanghatana, SWASTI, Childline 1098, Khula Asman, TISS CSR Hub, and Sanjeevani – Life beyond Cancer.

Through these collaborations, the Bachelor of Social Work (BSW) students actively participate in a field visits, social work, and community activities. The outcome of these activities is to provide awareness among the poor and deprived sections of society. The University's contribution is for the various Sustainable Development Goals such as Good Health and Well-beings, Zero Hunger, No Poverty, and many more.

Amity Institute of Liberal Arts - AUM has communicated with the five schools from the Bhatan village near Amity University Maharashtra, and the Students have started the fieldwork. Communication with the school principals initiated washing hands, value building, morale building, and inculcating healthy habits. Faculty Ms. Meera Limaye, Faculty member AILA initiated the Activity with the woman group and trained them for bread making and selling and starting a shop at Bhatan Village.

The summary of the activities ongoing with various NGOs as following.

NGO	Activity Summary
<b>Udan Foundation</b>	Working with HIV People (couple and children) AUM students have been working with the Udan foundation, Since 2017.
<b>YRG Care</b>	YRG Care works with HIV Positive children. They conduct residential camps. AUM Two students are working with YRG Care NGO
<b>Kotak Foundation</b>	Ms. Meera Limaye Madam communicated with CRC and arranged to send students for fieldwork and internship.



	In Even Semester 2020, a total of 8 students conducted fieldwork.
<b>Wockhardt Foundation</b>	In association with the Wockhardt Foundation, 02 Students have worked in the field, and the Organ donation awareness camps were conducted in 4 colleges. At Fanaswadi, fruit-bearing plants donated 02 pants for each house. A total of 70 plants were donated.
<b>Reliance Foundation</b>	AUM Four students worked for the fieldwork and internship. They work on-site at slum areas Navi-Mumbai, Aeroli, Katkari Pada, Working on Mal-Nutrition.
<b>Shree Mukti Sanghatana</b>	AUM 01 Girl Student worked as an intern, and she created the group of Raggpickers women. In addition, she created awareness about savings and Wet Compost making camp. The Activity resulted in the In-orbit space, Big Bazaar (Vashi).
<b>SWATI</b>	SWATI works in Community development (Health-related, prevention, and awareness). During the State level meeting, the BSW faculty received an Award and trophy. There is planning to conduct a WASH project in Collaboration. In addition, SWATI people Visited Amity and conducted a lecture.
<b>Childline 1098</b>	Government helpline. (In-Communication)
<b>Khula Asman</b>	Khula Asman works on the Psychology issues of children, Community development. How to council on movement therapy (Use of Dance), Best out of West. Two students of AUM conducted a leadership development and team-building workshop near a Lallu Bhai Compound Municipality school.
<b>TISS CSR Hub</b>	Semester 3 & 4 MSW students worked here regarding the scrutiny of the NGOs applications for CSR.
<b>Sanjeevani – Life beyond Cancer.</b>	AUM Students completed as an intern and worked as employees to contribute and help the patients and families suffering from cancer.



## **International Collaboration**

### **MOU with University of Cincinnati**

The Amity Institute of Biotechnology and the University of Cincinnati entered into the cooperation between their faculty and scientists, departments, and research center within fields that are mutually acceptable and visits by and exchange of doctoral students, faculty members, and scientists for research and courses. The Scope of the MOU covers Intellectual Property and Publications for the duration of 5 years. The MOU is signed on 13th April 2021.

### **MOU with RMIT, Australia**

The School of Property, Construction & Project Management, RMIT University Australia, and RICS School of Built Environment, Amity University Maharashtra entered into MOU for the cooperative relationship for the general purpose of promoting educational, research, and cultural programmes for the mutual benefits of both parties, such as

- a) Development of admission/articulation agreements and educational programs.
- b) Cooperation on academic, administrative, and curriculum matters;
- c) Collaboration on research projects
- d) Exchange of academic and administrative staff and students.

The MOU is signed on 22nd March 2017, and for the duration of the three years.

### **MoU with Liverpool John Moores University England**

Department of the Built Environment, Liverpool John Moores University and RICS School of Built Environment, Amity University Maharashtra entered into the MOU with the following objectives.

- a) Development of admission/articulation agreements and educational programs.



- b) Cooperation on academic, administrative, and curriculum matters;
- c) Collaboration on research projects
- d) Exchange of academic and administrative staff and students.

The MOU was signed on 04 July 2017 for the duration of the three years.

### **MOU with Wuyi China and Evergreen University**

Symposium on Art, Culture, and Mind is organized to bring together students from AIBAS, Amity University, India; WuYi University, China; and The Evergreen University, USA, to share the cross-cultural ideas on Art, Culture and Mind, specific to their country of origin and culture. Our objective for the Symposium is for students to interact in small groups and then share their new learning and cultural competency in the larger group. Under the Collaboration, the International Symposium on Cross-Cultural Learning “Art, Culture and Mind” were conducted on November 21, 2020

### **MOU with List of Foreign Universities for Quality of Education**

List of foreign institutes having exchange programs (both student and faculty) with our institutes. The Global Study Programmes and 3 Continent programmes offered by Amity University Maharashtra in Collaboration with the Following universities.

1. University of Birmingham
2. University of Queensland, Australia
3. Deakin University, Australia
4. Queen Mary University of London
5. Curtin University
6. Swinburne University of Technology
7. University of Northampton
8. University of Canberra
9. RMIT University
10. Brunel University, London
11. University of New Castle, Australia
12. University of Denver
13. Adelphi University, New York
14. University of Massachusetts, Amherst
15. Presidio Graduate School





16. Iowa State University
17. Monash University
18. University of Western Australia
19. University of Kentucky
20. University of Portsmouth
21. La Trobe University, Australia
22. University of Roehampton, London
23. Columbia University/
24. John Hopkins University – whiting school of Engineering
25. Lincoln University

### **MoU with Param Foundation**

The MoU is signed with Param Foundation after realizing the difficulties faced by the Community living in the villages in the neighborhood of the University Campus. This exposure has equipped Amity University Maharashtra to technically understand the needs of the residents of these villages and carry out activities to equip them with skill and knowledge. The MOU was signed on 20th March 2020.

AUM has the intent and human resources to provide skill development and training in cutting and stitching and related areas for a community development project in villages around AUM. Param Foundation, Navi Mumbai, has provided thirty sewing machines to ASFDT AUM as support in the area of skill development and training in cutting and stitching for community development.

### **MOU with Prokaryote Lab (Hydrocarbon)**

Amity Institute of Biotechnology at Amity University Maharashtra and Prokaryotes Lab Pvt. Ltd, Bangalore, India entered into 15th July 2019 on Sustainable Development Goals and following objectives

a) Conduct joint research activities on the project entitled "Development of Hydrocarbon degrading Kit" and within the fields of interest with projects that are mutually agreed upon and subject to the availability of funds.



- b) Participate in conferences, symposia, and seminars of mutual interest
- c) Collaborate in joining research in the thrust areas of the respective company institute, and file patents, and publish research findings.
- d) Cooperate to solicit joint proposals for funding from various funding agencies and exchange scientific information and documentation, both written and electronic.

### **MOU with Vrovafacets**

Amity University Maharashtra and Vrovafacets Private Limited Bangalore Singed MOU on 5th January 2021 for Sustainable Development Goals and in the benefits of the Community with the following objectives:

- a) Conduct joint research activities on the project entitled "Product of high-quality food-grade agar from seaweed" and within the fields of interest with projects that are mutually agreed upon and subject to availability of funds.
- b) Participate in conferences, symposia, and seminars of mutual interest
- c) Collaborate in joint research in the thrust areas of the respective Company-University, file patents, and publish research findings.
- d) Cooperate to solicit joint proposals for funding from various funding agencies and exchange scientific information and documentation, both written and electronic

### **MOU with Annotation Analytics**

Amity University Maharashtra and Annotation Analytics Pvt. Ltd, Gurgaon Haryana, Singed MOU on 9th December 2019 for Sustainable Development Goals and in the benefits of the Community with the following objectives:

- a) Conduct joint research activities on the project entitled "Product of high quality food grade agar from seaweed" and within the fields of interest with projects that are mutually agreed upon and subject to availability of funds.



- b) Participate in conferences, symposia, and seminars of mutual interest
- c) Collaborate in joint research in the thrust areas of the respective Company-University and file patents, and publish research findings.
- d) Cooperate to solicit joint proposals for funding from various funding agencies and exchange scientific information and documentation, both written and electronic

### **MOU with Gumpro**

Amity University Maharashtra and Gumpro Drilling Fluids Pvt Ltd, Mumbai Signed MOU on 6 November 2019 for Sustainable Development Goals and in the benefits of the Community with the following objectives to execute the project entitled "Production of Gum for drilling fluids using biotechnological approach", subject to the availability of funds. Under the Collaboration, the Chiller Unity for Reactor equipment was delivered and installed.

### **Memorandum of Understanding Signed with CEMS**

The AUM's Steps towards the Industry, Innovations and the Infrastructure Development the Memorandum of Understanding is signed between the Amity School of Engineering & Technology, AMITY University Maharashtra, and Centre of Excellence in Maritime & Shipbuilding (CEMS).

Amity School of Engineering & Technology, AMITY University Maharashtra has signed MOU with the Centre of Excellence in Maritime & Shipbuilding (CEMS) on 3rd Feb 2020. CEMS is promoted by the Indian Registrar of Shipping, Sagarmala, Ministry of Shipping, Govt of India. CEMS has Software and Physical Lab facilities in Mumbai and Vizag set up by Siemens India Ltd worth Rs 800 Crore. This will help to avail lab facilities set up by Siemens at Powai and Vizac for students and faculty of Amity.



The main objectives of MOU are:

- Access and training for students of Amity
- Diploma and Certificate courses at nominal cost
- Training for pass out students
- Internships to the Amity students
- Faculty Development programs and access to the labs
- Availability of labs for undertaking industry projects and experiments
- Research scholars can use CEMS labs
- CEMS will set up a remote center at Amity.

Further, there will be access to high-end software and facilities like CAD/CAM, Robotics, Plant Design, Product design, Digital manufacturing etc, which useful to some schools and research scholars/students.

### **Memorandum of Understanding (MoU) with JMS Mining Pvt Ltd.**

Memorandum of Understanding (MoU) Between Amity School of Engineering & Technology, Amity University, Maharashtra And JMS Mining Pvt. Ltd. Dongfang Electric (DEC) Building, 3rd Floor, Premises No. - 16, MAR - 1111, Action Area - 1A, New Town, Rajarhat, Kolkata - 700 163, WB, India Is signed on 03/06/2021. JMS (A Simplex Infrastructures Associate Company) is a mining company that has pioneered in introducing Mass Production Technology (MPT) using Continuous Miners (CM) in underground coal mines in India and is leading in the industry. The scope of the Activity under this Collaboration will be contained with respect to Coal mines for Proximity Detection.



## **MOU with the Institute of Acupuncture and Natural Medicines, New Delhi.**

The memorandum of Understanding is signed on 9 December 2020 between the Amity University and Institute of Acupuncture and Natural Medicines, New Delhi.

The possible areas of cooperation are

- a) Joint Research
- b) Joint projects
- c) Dissertation projects for AU and IANM
- D) Organizing Joint Seminars and Conferences
- e) Joint publication
- f) Internship to the Students
- g) Any other collaborations deemed to be fit from time to time.

## **MOU Signed - The Society for the Rehabilitation of Crippled Children**

AIBAS -AUM Singed

The Society for the Rehabilitation of Crippled Children

MoU Signed Dated 23rd September 2019.

The Collaboration is for the Approval for placing M.Phil. Clinical Psychology Students.

## **MOU Signed LTM Medical College and General Hospital Sion, Mumbai**

MoU signed between LTM Medical College and General

Hospital Sion, Mumbai Dated 26th December 2019.

## **MOU Signed Jagruti Rehabilitation Center Talaja, Navi Mumbai**

AIBAS-AUM has signed the MoU with Jagruti Rehabilitation Center Talaja, Navi Mumbai Singed Dated 12th February 2020 for the following objectives.

- Capacity Building in Primary Care to deliver quality mental health.
- Provide quality secondary care and advice to primary Care



- Use Principles of Clinical Psychology as appropriate
- Enhance public education on mental health to combat stigma against mental health
- Collaboration to enhance mental wellbeing
- Participate in developing training in mental health at the individual and community level.
- Mental Health training to providers of education and social work.

### **MOU Signed Public Health Department Government of Maharashtra**

AIBAS-AUM has signed the MOU with the Public Health Department

Government of Maharashtra. Dated 4th January 2020

### **MoU Signed with Instron Technologies**

Amity Institute of Information Technology has entered into the MoU with Instron Technologies with the following objective.

- The MoU is for the research and academic development of faculty and students of the Institution and the mutual benefits of both collaborating parties.
- These functional MoUs with institutions/ industry will provide the opportunity to the students for internship, on-the-job training, project work, student and faculty exchange, and collaborative research with the mutual Understanding between both parties.
- Bridge the gap between industry and academics by training students in industrial approaches and technologies.
- Train and motivate students to learn to ideate and implement their own ideas that solve social and industrial problems.
- Bringing holistic thinking in students, and train students, and doing initial mentorship.



- Enable students to participate and bag laurels at National and International level Conferences/Seminars/Contests.
- Increase employability by developing technical skills in the students.
- Providing the best technical internships to the students from the college.
- Conducting workshops in the latest technologies by industry experts.
- Encourage cross-functional learning by facilitating multi-disciplinary areas.
- Establish connect with the student in the college and have a constant conversation with them to motivate them to become the best IT professionals possible.
- Facilitate joint-research using company's and college premises.
- Provide research projects to teaching faculties to enhance the quality of education.
- Educating the students about the various opportunities available in the IT Industry.

### **MoU Signed with Digitech Confidential**

Amity Institute of Information Technology has entered into the MoU with Digitech Confidential dated 8th June 2020 with the following objective.

- The MoU is for the research and academic development of faculty and students of the Institution and the mutual benefits of both collaborating parties.
- Bridge the gap between industry and academics by training students in industrial approaches and technologies.
- Train and motivate students to learn to ideate and implement their own ideas that solve social and industrial problems.
- Bringing holistic thinking in students, and train students, and doing initial mentorship.
- Enable students to participate and bag laurels at National and International level Conferences/Seminars/Contests.
- Increase employability by developing technical skills in the students.
- Providing the best technical internships to the students from the college.



- Conducting workshops in the latest technologies like GDPR & Data Protection Policies, Data Subject Access Requests, and Data Processing Agreements by industry experts.
- Encourage cross-functional learning by facilitating multi-disciplinary data protection and security-related projects.
- Establish connect with the student in the college and have a constant conversation with them to motivate them to become the best IT professionals possible.
- Facilitate joint-research using company's and college premises.
- Provide research projects to teaching faculties to enhance the quality of education.
- Educating the students about the various opportunities available in the IT Industry.

### **MOU between AUM and Mahatma Phule Arts, Science and Commerce College, Panvel**

MOU is signed between ASAS- AUM and Rayat Shikshan Sanstha's Mahatma Phule Arts, Science and Commerce College, Panvel- Raigad (Maharashtra) dated 7th February 2019. The Collaboration is for

- a) Teaching, Research, and Training in selected and advanced thrust areas of science and technology with special reference to the applied sciences.
- b) Intellectual property rights
- c) Science and Technology Transfer wherever it is possible and necessary.

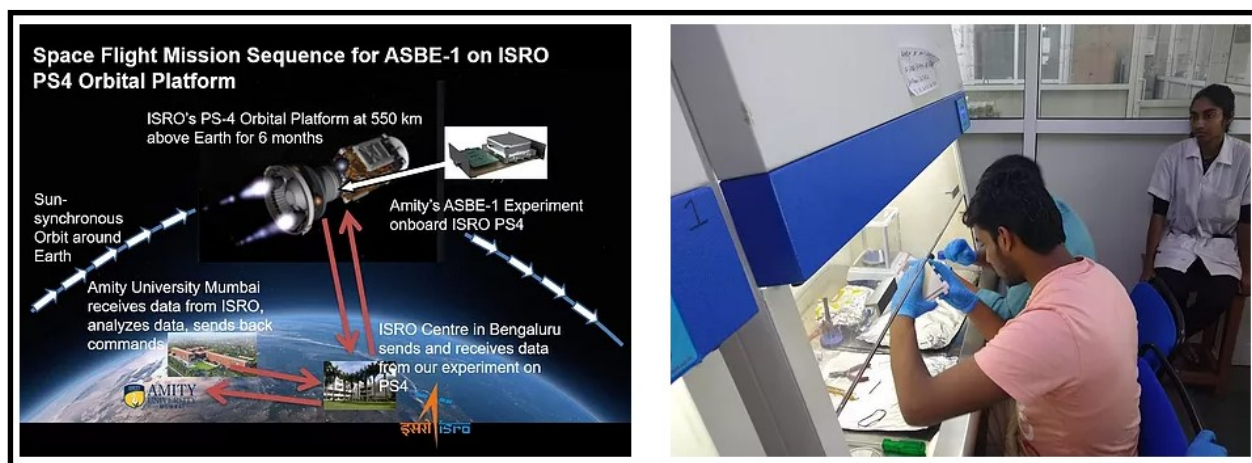


## Amity Centre of Excellence in Astrobiology MoUs



**AMITY**  
UNIVERSITY  
MUMBAI

**Our Centre is developing microgravity bioscience experiments for low Earth orbit**

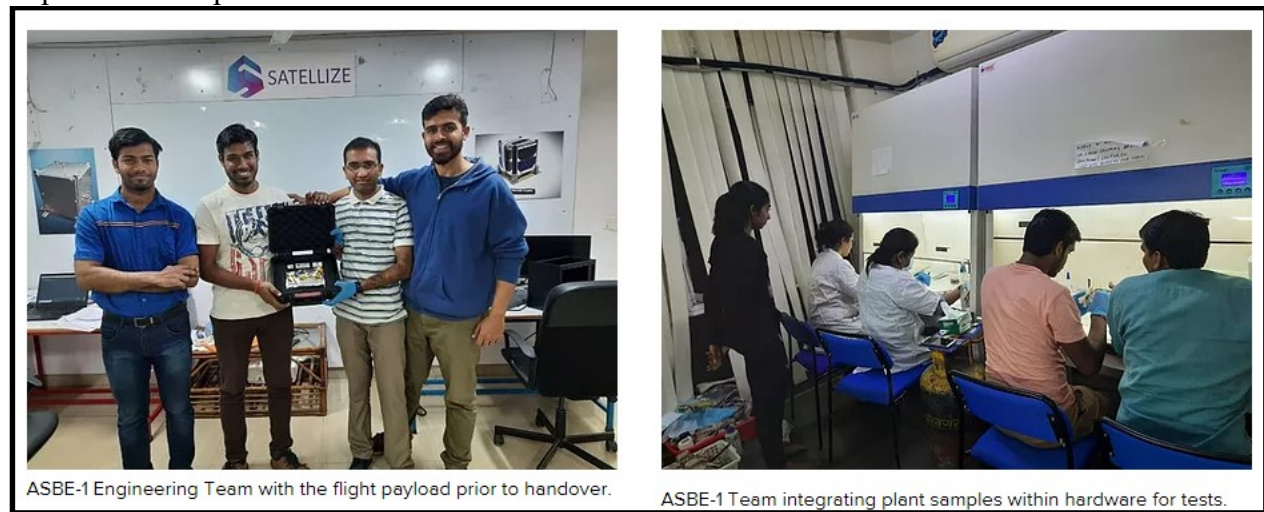


Our Centre is involved in studying the impact of reduced gravity on the growth and health of high-yielding plant crops. We have designed and developed in partnership with Paras Defence and Space Technologies Limited, the Amity Space Biology Experiment-1 (ASBE-1) which has been selected for flight as part of the Satellize SpaceShare Package on ISRO PSLV C49 PS-4 platform.

### **Amity Space Biology Experiment-1 (ASBE-1)**

The Amity Space Biology Experiment-1 (ASBE-1) is our first spaceflight experiment. It has been designed and developed at Amity University Mumbai in partnership with Paras Defence and Space Technologies Limited. The experiment has been selected for flight as part of Satellize

SpaceShare Package on ISRO PSLV C49 PS-4 platform. This will be India's first biological experiment in Space.



### Research Motivation

- Gravity sensors are critical to plant survival, affect fundamental plant biology.
- To support humans in space, need to study the effect of space environment, mainly microgravity on the growth of high-yield plants.
- Learning exercise for students in design, assembly of space payload.
  - Hardware design, fabrication and assembly
  - Spaceflight software coding and testing
  - Life science payload handling and integration
  - Spaceflight Documentation and Presentation


### Callus samples

**Why plant?**

- Remarkable developmental plasticity =Regeneration capacity
- High versatility, respond to environmental challenges

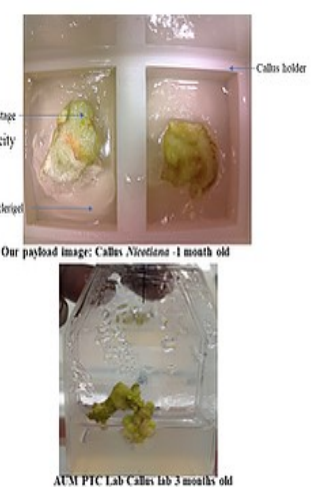
**Why Callus?**

- Whole plant can be regenerated in one step
- Slow growth, time to study each stage of changes



Labels: 1.2a media with agar, Slide with spikes, Window of CC, biobal, and frame removed, Front CC, Substrate holder, Callus cultures.

Fengler et al., 2015, *Arabidopsis* callus



Labels: Callus holder, Curled leaves=1<sup>st</sup> stage, Media with clotted.

Our payload image: Callus *Nicotiana* -1 month old

AUM PIC Lab Callus Lab 3 months old

## ASBE-1 Team

Project Manager: Dr Siddharth Pandey

Science Leads: Dr Renitta Jobby (Assistant Professor, Biotechnology, Amity Mumbai)

Dr Pamela Jha (Assistant Professor, Biotechnology, Amity Mumbai)

Mechanical Engineer: Mr Kartik Agrawal (B Tech AE 4th year, Amity Mumbai)



Electrical Engineer: Mr Akshay Ghaywat (B Tech EE 4th year, Amity Mumbai)

Software Engineer: Mr Ashish Sam (B Tech CSE 4th year, Amity Mumbai)

Biotechnologist: Ms Abigail Fernandes (MSc Biotech, Amity Mumbai)

## **Off-Earth Drilling Technology Development**

Lunar water and minerals are precious space resources that will support human exploration and future trade and commerce. With Chandrayaan-1, India has confirmed a significant presence of water in the Lunar south pole region. Data from Chandrayaan-2 will reveal the global abundance and locations for further analysis. The next missions would require the ability to acquire subsurface samples to characterize the volatiles and identify the locations at the south polar region. Drilling is a crucial piece of technology that would be required to search for signs of life under the surface of Mars and Icy Moons. Our lab is involved in studying the effect of the lunar near-surface and subsurface environment on the performance of drill systems for sample collection and handling systems.

## **Lunar Drill Development Summer Internship 2020**

Students from Amity University Mumbai and IIT Bombay are currently undertaking summer internships with Dr. Siddharth Pandey, studying various aspects of lunar drill design and analysis.

### **Team**

Neha Maanju, B Tech 2nd Year, ME, IIT Bombay

Nilay Awasthi, B Tech 3rd Year, ECE, Amity University Mumbai

Sipra Sonali Pradhan, B Tech 2nd Year, ME, IIT Bombay

Vedanth Sharma, BTech 2nd Year, AE, IIT Bombay



## **Paras Defence and Space Technologies Limited**

### **Space Technology Development**

Amity University has signed an MoU with Paras Defence and Space Technologies Ltd. to collaborate on the design and development of microgravity-based research hardware. This allows Amity's students to undertake hands-on training in building spaceflight hardware and software systems.

## **Open University UK**

### **Astrobiology Research, Student Training and Education Outreach**

Amity University and Open University UK signed an MoU in September 2019. One of the primary focal areas of Collaboration is the exploration of hypersaline microbial environments that are early Mars analogues. Amity and OU are also partnering on engaging with the general population for Space education outreach.

## **Blue Marble Space Institute of Science**

### **Astrobiology Education and Communication**

Amity and BMSIS have been collaborating since August 2016 on Astrobiology education, outreach, and science communication. Blue Marble Space has a vast network of space scientists from NASA, NSF, and major universities in the US, Europe, and other parts of the world.

## **Mars Society Australia**

### **Mars Analogue Research and Education**

Amity and Mars Society Australia (MSA) have been partners since August 2016 while exploring Ladakh, India, as an early Mars analogue. MSA researchers have mentored Amity students on Mars habitat design projects.



## **Birbal Sahni Institute of Palaeosciences**

### **Mars Analogue Research and Education**

Amity students and researchers are actively collaborating with scientists at BSIP to work on the geo-scientific aspect of the field.

## **SatSure**

### **Mars Analogue Research and Education**

SatSure is providing remote sensing data to the researchers. The data about Earth will help researchers understand more about particular analog sites.