

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



GOAL 9: Industry, Innovation and Infrastructure

Sustainable Development Goals

Year 2021

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

Table of Contents

GOAL 9: Industry, Innovation and Infrastructure	3
Start-ups and Innovations Developed at AUM	3
Start-ups at AUM	4
Details of Design & copyright IPRs	4
Patents Filed by HEI	4
Patent Published / Granted Data	5
Quiz competition on Innovate to Sustain	8
National Innovation and Start-up Policy	9
Entrepreneur Development Current Trends	9
3D Printing	10
Design Thinking and Innovation	10
Entrepreneurship Development Process	11

GOAL 9: Industry, Innovation and Infrastructure

Start-ups and Innovations Developed at AUM

Sr. No.	Innovation / Start-ups Name	Developed as part of	Year of Development	TRL Stage
1	Rojgary	Independent Assignment/Non-academic Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance
2	INARI by Neelam Bhatia	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment
3	ARDU-I-KNOW	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment
4	PADHLE	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment
5	The-TCompany Ltd	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment
6	Waschen Tech Pvt Ltd	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment
7	Codevita Live	Independent Assignment/Non-academic Study Project	2020-21	TRL 9 : Full commercial application, technology available for consumers
8	Your emotional well-being	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment
9	PeerSpace: It's a website where one can come and anonymously vent their thoughts and worries.This website is for anyone & everyone.	Independent Assignment/Non-academic Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)

Start-ups at AUM

Sr. No.	Start-up / Venture Name	Start-up/ Venture Registered as	FY of Establishment
1	Musmade Hospitality Pvt. Ltd.	Private Limited Firm (Pvt. Ltd.)	2021-22
2	Bespoq- ASFDT, AUM startup	Not Yet Registered as an entity	2021-22

Details of Design & copyright IPRs

Sr. No.	Title/Name of IP (Copyright/Design Only)	Type of IP	IP Registration Number of Copyright/Design	Date of Filed/Published
1	Exhaust Fan Window/Vent Closing Unit	Design	346836-001	27/07/2021
2	Copy-Move Image Forgery Dataset Invariant To Scaling And Rotation	Copy Right	2309/2022-CO/	02/02/2022
3	Proceedings of National Conference on Machine Learning NCML-2019. ISBN: 978- 93-5351-521-8	Copy Right	2305/2022-CO/	02/02/2022
4	MUNCIPAL SOLID WASTE COMPOST QUALITY CHECKING SOFTWARE PROGRAM AND GRAPHICAL USER INTERFACE	Copy Right	16467/2022-CO	02/08/2022

Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	A Tire Bead Opener Assembly	202111032921	22/07/2021
2	METHOD OF PREPARATION OF SUPERCAPACITOR ELECTRODES BASED ON QUASI-ONE-DIMENSIONAL VAN DER WAALS TIS3 NANORIBBON	202111057839	13/12/2021
3	METHOD FOR WAFER SCALE	202111018137	20/04/2021

	GROWTH OF MoS ₂ THIN FILM		
4	MULTILAYERED MESOPOROUS FUNCTIONAL CARBONMICROTUBES PRODUCED AND PREPARATION METHOD THEREOF	202011048489	06/11/2020
5	METHOD FOR PREPARING SELENIUM NANOWIRES BASED FIELD EMITTER	202111013390	26/03/2021
6	METHOD FOR PREPARING MOS ₂ AND CDMS ₄ NANOSTRUCTURES BASED UV LIGHT PHOTODETECTOR	202111019522	28/04/2021
7	A METHOD OF PREPARATION OF PANI-MOO ₃ NANORODS COMPOSITES AS ELECTRODE MATERIAL IN IONIC LIQUID ELECTROLYTE	202111055310	30/11/2021
8	A SYSTEM AND METHOD FOR CALCULATING QUALITY INDEX OF MUNICIPAL SOLID WASTE COMPOST	202211040992	18/07/2022

Patent Published / Granted Data

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year
1	202111000094	A METHOD FOR ENRICHMENT IN THE FIELD EMISSION PROPERTIES USING UV/O ₃ TREATMENT ON NiCO ₂ O ₄ NANOSTRUCTURE	02/01/2021	Published	2022
2	202111000803	A METHOD FOR PREPARING SnSe ₂ NANOSHEETS BASED FIELD EMITTER	07/01/2021	Published	2022
3	202111008728	BORON NITRIDE NANO TUBES REINFORCED TRANSPARENT COMPOSITES MATERIAL AND PREPARATION METHOD THEREOF FOR ENERGY EFFICIENT	02/03/2021	Published	2022

		BUILDINGS			
4	202011036819	Nano Porous Nitrogen Co-doped activated multilayered graphene produced and method thereof	26/08/2020	Published	2022
5	202022101450	fish feed formulation system to increase disease resistance and immune prophylaxis in fish	18/03/2022	Granted	2022
6	2021103381	Method of Preparing Transdermal Wound Healing Patch from Herbal Extracts	16/06/2021	Granted	2021
7	2021106690	Method for Preparation of Active pH And Intelligent Packaging In Food Packing Industries	24/08/2021	Granted	2021
8	2021106545	Method for Preparing Biofortified Seaweed Chocos Chips	23/08/2021	Granted	2021
9	2021106651	Method for Preventing Or Treating Infection Caused By Bacteriophage Cocktails In Shrimp Aquaculture System	23/08/2021	Granted	2021
10	2021106645	Method for Promoting Fish Feed Growth Performance And Immune Response In Commercial Aquaculture	23/08/2021	Granted	2021
11	202022100120	A Smart Home Automation System	11/01/2022	Granted	2022
12	2021100895	Machine Learning-based Solar Tracking System and Method Thereof	15/02/2021	Granted	2021
13	202021103396	A SYSTEM FOR PREVENTING CORONA VIRUS TRANSMISSION	24/06/2021	Granted	2021

14	202022102671	Novel Identification System for Microbes Associated Molecular Pattern (MAMP) Modulated Gene Expression On The Initiation of Immune Response To Infectious Agents Through Identification of the Signalling Receptors	14/05/2022	Granted	2022
15	202111056642	FINANCIAL MARKET DATA ESTABLISHMENT FOR EFFECTIVE FINANCE DATA SYSTEM	06/12/2021	Published	2021
16	202141016929	A STORAGE CONTAINER WITH MOVABLE BOTTOM CLOSURE	11/04/2021	Published	2021
17	202011002303	A METHOD FOR SECURITY ENHANCEMENT OF DIFFIE-HELLMAN KEY EXCHANGE PROTOCOL	20/01/2020	Published	2021
18	202021038639	CATEGORIZATION OF PLANT LEAF USING DEEP LEARNING TECHNIQUES.	07/09/2020	Published	2020

Quiz competition on Innovate to Sustain



QUIZ COMPETITION

**THEME:
INNOVATE
TO SUSTAIN**


Saturday, 24th April, 2021 | 1:00pm onwards



Organised by: **AMITY SCHOOL OF
APPLIED SCIENCES**



National Innovation and Start-up Policy



INSTITUTION'S INNOVATION COUNCIL

IIC - AMITY UNIVERSITY MUMBAI PRESENTS

AMITY UNIVERSITY MUMBAI

**Orientation Session On
National Innovation and
Startup Policy (NISP)**

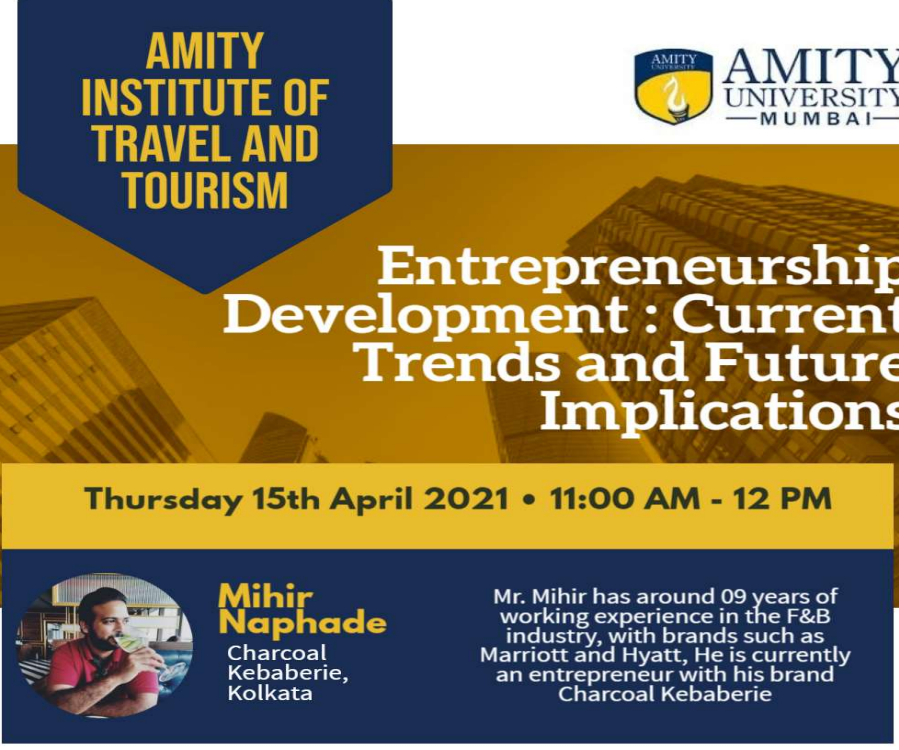
5 FEB
2021
AT
3:00 PM
TO
4:00 PM

REGISTER NOW!

SCAN THE QR CODE TO GET YOURSELVES REGISTERED

SPEAKER:
Dr A. K. S. Suryavanshi,
Director & Professor,
Amity Business School &
Chief Mentor, E-Cell,
Amity University Mumbai

Entrepreneur Development Current Trends



AMITY INSTITUTE OF TRAVEL AND TOURISM

AMITY UNIVERSITY MUMBAI

**Entrepreneurship
Development : Current
Trends and Future
Implications**

Thursday 15th April 2021 • 11:00 AM - 12 PM

Mihir Naphade
Charcoal Kebaberie,
Kolkata

Mr. Mihir has around 09 years of working experience in the F&B industry, with brands such as Marriott and Hyatt, He is currently an entrepreneur with his brand Charcoal Kebaberie

3D Printing

3D Printing: Design, print, innovative product

- Complex shape
- Tailored, next generation material with unique functionality
- Personalized product Mass Customization

Fuel injection nozzle From GE

Prof. Julia Greer Caltech's Division of Engineering and Applied Science

Patient-specific constructs, IIT Delhi for AIIMS

3D Printing Panel Discussion_ 23 July 2021

Design Thinking and Innovation

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

AMITY INSTITUTE OF BIOTECHNOLOGY

AMITY UNIVERSITY MUMBAI

26TH MARCH 2021
2 PM

ORIENTATION SESSION ON DESIGN THINKING & INNOVATION
BY INNOVATION AMBASSADOR

SPEAKER:
Dr. TANUSHREE BANERJEE,
ASSOCIATE PROFESSOR,
DR. D.Y. PATIL BIOTECHNOLOGY AND
BIOINFORMATICS INSTITUTE, PUNE

FOR REGISTRATION, SCAN THE QR CODE

HOST:
DR. MAYANK KUMAR | ASSISTANT PROFESSOR,
AND INNOVATION COORDINATOR
AMITY INSTITUTE OF BIOTECHNOLOGY

STUDENT COORDINATOR:
MARZUQA QURAISHI | B.TECH + M.TECH BIOTECHNOLOGY,
AND IIC STUDENT INNOVATION COORDINATOR

Entrepreneurship Development Process

The poster features a yellow background with various business-related icons such as a bar chart, a lightbulb, a house, a smartphone, and a globe. The Amity University Mumbai logo is in the top right corner. The main title is in large blue letters, and the date and time are in a white box. The speakers section is divided into two columns, each with a circular portrait of the speaker and their name and title. The registration information and QR code are at the bottom left, and the organizing body is at the bottom right.


AMITY UNIVERSITY MUMBAI

WORKSHOP ON
ENTREPRENEURSHIP DEVELOPMENT PROCESS

Thursday, 28th January, 2021 | 2 PM - 4.30 PM


SPEAKERS

Time: 2.00 PM to 3.15 PM



Mr. Harshal Shah
CEO, AIC-NMIMS
Incubation Centre

Time: 3.15 PM to 4.30 PM



Dr. Neelanjana Janardan
Senior Program Manager,
Entrepreneurship at Centre for Cellular
& Molecular Platforms (C-CAMP)

To Register: https://docs.google.com/forms/d/1MK95n8GS19DdeG0bDSVrBQ6efTphVncL-4QHP_pA/edit

Organised by **INSTITUTION'S INNOVATION COUNCIL**
Amity University Mumbai