



# 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 11: Sustainable Cities and Communities

## Sustainable Development Goals

Year 2020

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



## SDG 11: Sustainable Cities and Communities

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SDG 11: Sustainable Cities and Communities

## **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.



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### 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



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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)





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## 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





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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.**



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## 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



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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 :**

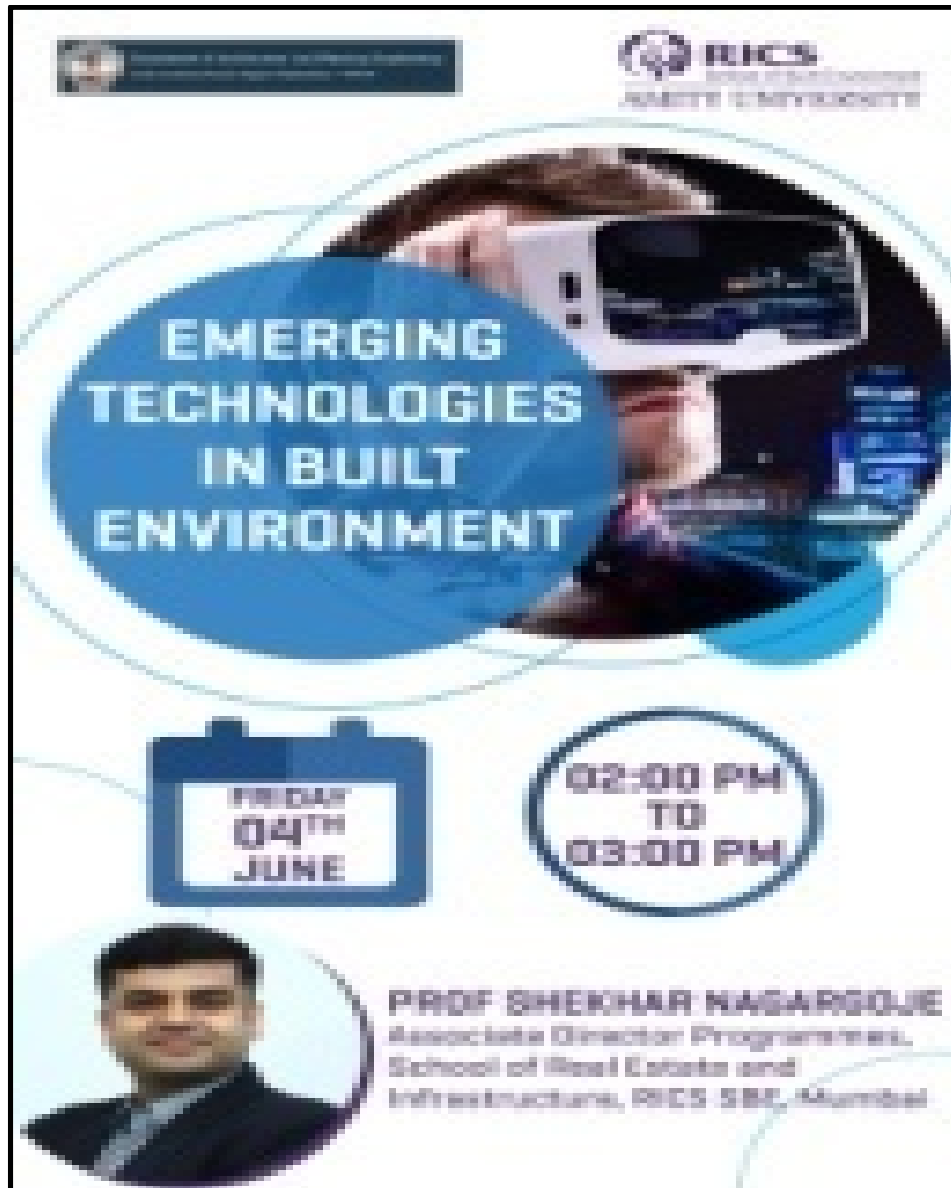
**New Technologies in Construction**

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 :**

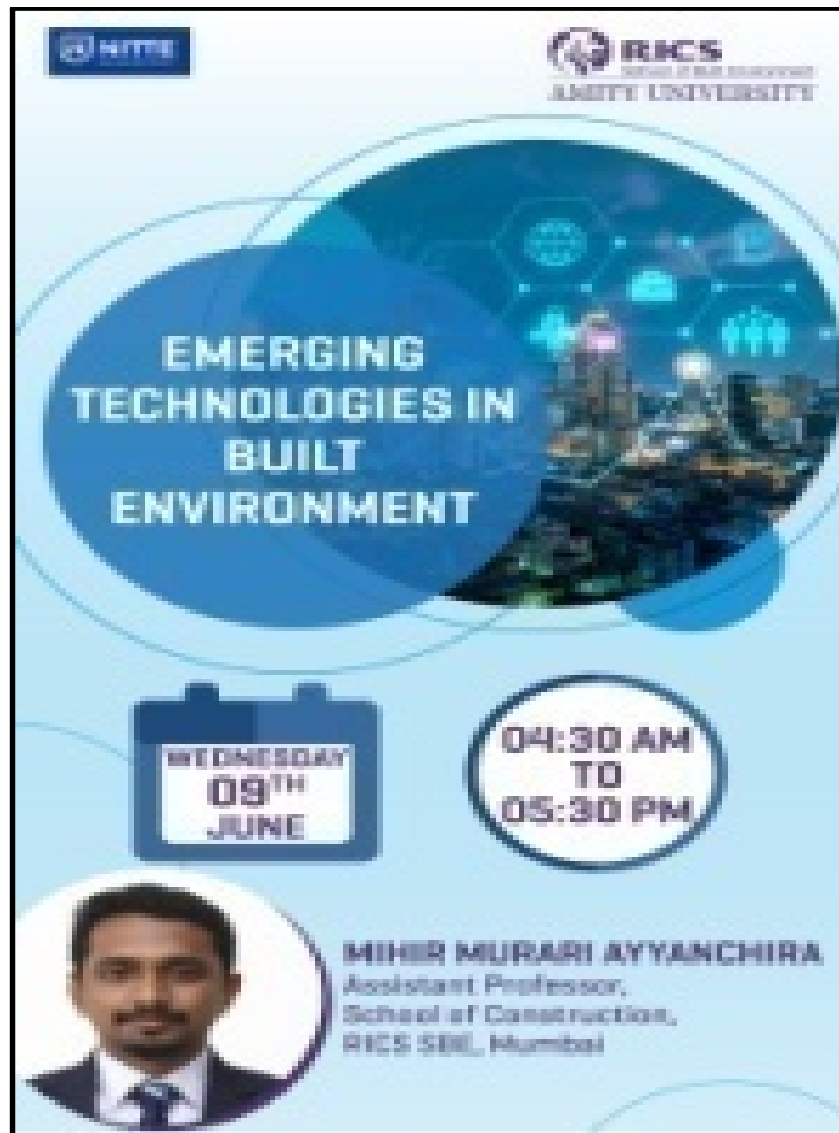
The webinar was conducted towards defining the future transformation of the Built Environment Sector post pandemic

Date: 09/06/2021

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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