

| NEWS AND EVENTS | MSAP | DOD |

2022

| Manipal School of Architecture and Planning |  
| MAHE | Manipal | Karnataka |



# M S A P NEWS 2020



Manipal School of Architecture and Planning, Manipal, Karnataka



## **71<sup>ST</sup> REPUBLIC DAY CELEBRATION KMC Greens** **26 January 2020**

It was 71<sup>st</sup> republic day celebration and MSAP was hosting it. All the faculties and student from all the constituent institute of MAHE participated and made it a huge success for MSAP.

# M S A P NEWS 2020



Manipal School of Architecture and Planning, Manipal, Karnataka



## **KAAVI ART WORKSHOP**

22 January 2020 & 30 January 2020

"Kaavi Art" workshop by Artist Janardhan Rao Havanje at MSAP MAHE aims to give hands-on experience on Kaavi art form to young architects and designers

# M S A P NEWS 2020



Manipal School of Architecture and Planning, Manipal, Karnataka



## **KAAVI ART WORKSHOP**

22 January 2020 & 30 January 2020

"Kavi Art workshop" was conducted on 22/01/2020 and 30/01/2020 in the foyer area by the Kavi artist Janardhan Rao Havanje for B.Arch., B. Des Fashion Design and B.Des. Interior Students. According to the resource person, Kavi is one of the traditional art forms of Coastal Karnataka which can be mainly seen on Temple walls is losing its importance in the present scenario. He feels that people need to know about this art form, appreciate the beauty and make it popular. This workshop was an attempt to create awareness about Kavi art so that students may identify this, take it as an inspiration and incorporate it in their designs.

Manipal School of Architecture and Planning, Manipal, Karnataka



## **KAIVI ART WORKSHOP**

22 January 2020 & 30 January 2020

### **Outcomes of the Programme**

The workshop enabled students to explore POP, add on skills during the base preparation, setting the base, design development and execution.

The students were very much interested during the session and appreciated the effort. It was an excellent experience, and it was interesting to know about Kavi art.

Manipal School of Architecture and Planning, Manipal, Karnataka



## **DESIGN MATERIAL EXPLORATION - APPLICATION OF CLAY IN 3D MODEL MAKING WORKSHOP**

**24 January 2020**

"Design Material Exploration - Application of clay in 3D model making" workshop by Artist Satish Heroor aims to give hands-on experience on working with clay and related materials to young architects and designers.

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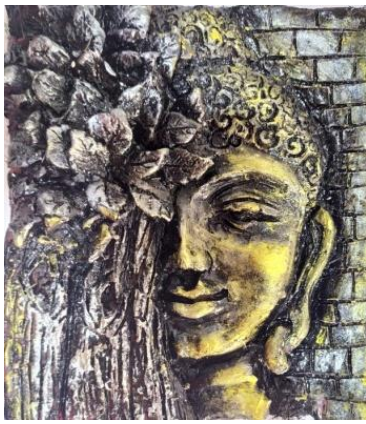
## **DESIGN MATERIAL EXPLORATION - APPLICATION OF CLAY IN 3D MODEL MAKING WORKSHOP**

**24 January 2020**

"Design Material Exploration - Application of clay in 3D model making" was conducted on 24/01/2020 and 25/01/2020 in the foyer area by the mural artist Satish from Heroor for B. Des Fashion Design Students.

During the workshop, selected designs were carved out on clay and molds were prepared using POP and Silicon gum. Molds were filled with mixture prepared by combining Fiber Chemical Resin and Silicon powder. Once the mixture turned into solid form, separated from mold. Surface was decorated by applying paint resulting in beautiful murals and 3D forms.

Manipal School of Architecture and Planning, Manipal, Karnataka



## **DESIGN MATERIAL EXPLORATION - APPLICATION OF CLAY IN 3D MODEL MAKING WORKSHOP**

**24 January 2020**

### **Outcomes of the Programme**

The workshop enabled them students to explore clay, add on skills during the 3D model making, mold preparation, and casting murals.

The students are very much interested during the session and appreciated the effort. It was an excellent experience, and it was interesting to work with clay.



Manipal School of Architecture and Planning, Manipal, Karnataka



## **THE IDIDE STUDIO COLLABORATION**

23 January – 6 February 2020

The IDIDE studio collaboration between Deakin University with International Islamic University Malaysia (IIUM) in Kuala Lumpur, Malaysia.

1<sup>st</sup> International Symposium on Sustainable Rural Built Environments (SRBE), MAHE Manipal.

Celebrating 10 years of IDIDE ON 30<sup>th</sup> Jan – 6<sup>TH</sup> Feb 2020.

# M S A P NEWS 2020



Manipal School of Architecture and Planning, Manipal, Karnataka



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## **COLOR TECHNIQUES APPLICATION OF ACRYLICS ON CANVAS**

8 February 2020

"Color Techniques Application of acrylics on canvas" workshop by Artist Satishchandra aims to give hands-on experience in the use of acrylic color media .

Manipal School of Architecture and Planning, Manipal, Karnataka



## **COLOR TECHNIQUES APPLICATION OF ACRYLICS ON CANVAS**

8 February 2020

"Color Techniques Application of acrylics on canvas" was conducted on 08/02/2020 in Dholavira classroom by artist Satishchandra for B.Arch., B. Des. Fashion Design and B. Des. Interior Design students. During the workshop the resource person briefed on techniques of color and methods to be followed while doing acrylic painting on canvas. He highlighted considering the importance of depth, light and shadow by giving demo on landscape painting on 2X2 feet canvas. Students followed the instructions given by the resource person and painted beautiful landscape paintings by the end of the day. Students were happy by the easy painting techniques shown by the resource person which helped them to complete the art work.

Manipal School of Architecture and Planning, Manipal, Karnataka



## **COLOR TECHNIQUES APPLICATION OF ACRYLICS ON CANVAS**

8 February 2020

### **Outcomes of the Programme**

The workshop enabled the students to explore acrylic color media for canvas painting. The students mentioned that these type of color techniques related workshop makes them feel happy and creative in representation.

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## **MUD ARCHITECTURE WORKSHOP- MANNU SHILPA 2020**

10-13 February 2020

The 'Mud Architecture Workshop- Mannu Shilpa 2020'. A Hands on construction workshop was held from 10<sup>th</sup> to 13<sup>th</sup> February 2020. It was organized for B.Arch students of MSAP. Experts from Auroville, Ar. Gaurav Agrawal, who has his own practice in Raipur and Ar. Kaushik Upoor, who is an Alumnus of MSAP.

A total of 166 students participated in the 4 day workshop, which included, construction of Rammed Earth walls, Oxide tile molding for wall installation, decorative masonry walls and columns, construction of Arches and Mud plaster.

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## **MUD ARCHITECTURE WORKSHOP- DAY-1**

10-13 February 2020

The task for the day was to make cement tiles with oxide pigments.

Students in a group of 4 were suppose to make one tile. The task involved making the mold, mixing cement mortar and then plaster the top layer with a mix of lime, cement and oxide pigments of different colors.

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## **MUD ARCHITECTURE WORKSHOP- DAY-2**

10-13 February 2020

The task for day-2 of the workshop was to make Rammed earth walls.

The students were involved in setting up the shuttering, sieving, mixing and ramming the soil. In order to achieve the desired pattern in the wall, different colored soil or coloring pigment was added to the soil mix and layered in batches.



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## **MUD ARCHITECTURE WORKSHOP- DAY-3**

10-13 February 2020

The task for day-3 was to make Arches and decorative masonry in bricks.

The students were involved in setting up the form work of the arch, mixing of cement mortar and laying of bricks over the form work. The decorative masonry was done in order to try out innovative wall patterns in bricks.

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## **MUD ARCHITECTURE WORKSHOP- DAY-4**

10-13 February 2020

The task for day-4 was to learn different textures that can be achieved in Mud plaster.

Students were involved in sieving of soil, mixing the soil with cement in the required proportion and application of plaster on a laterite wall.

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## **MUD ARCHITECTURE WORKSHOP- MANNU SHILPA 2020**

10-13 February 2020

The hands-on workshop ended with great delight, satisfaction and greater learning experience for the students which indeed helped them learn the practical aspects. which will definitely help them in their future career.

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**SHAAPED 2020 (Studies in Habitat with Academic Alliance in Planning Environment & Design) with the theme “Design for Health and Wellbeing”.**

**[Chief Guest : Dr. T.V. Raman]**

12-13 March 2020

Design for Health and Well-Being” deals with Smart Cities & Urban Design to create healthy environment, contribution of built environment for well-being in urban & rural areas, design of products in improving healthy lifestyle in urban & built environment, building design and smart technology, fashion and textile design for health. The Conference focused on the following themes which were deliberated and discussed in the conference. The conference was a fruit full ones with new ideas being generated and discussed to take the “Health and Well Being” of our cities further.

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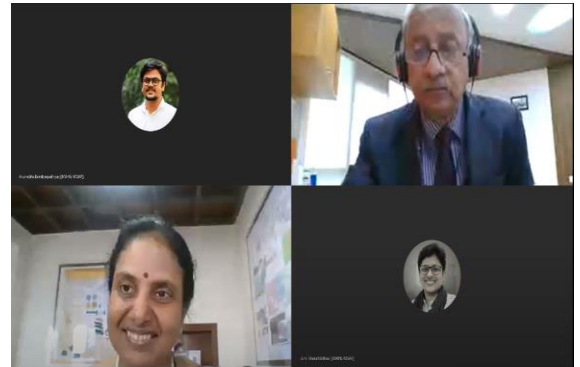
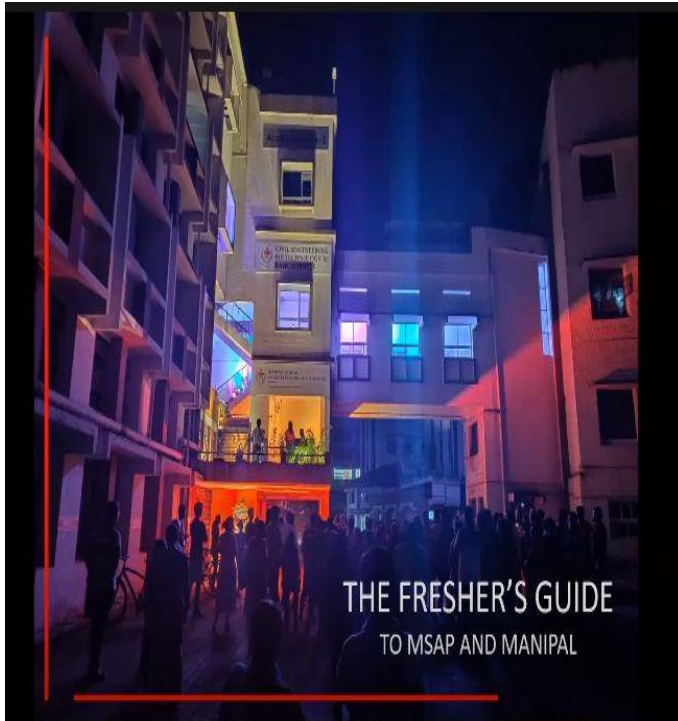


**SHAAPED 2020 (Studies in Habitat with Academic Alliance in Planning Environment & Design) with the theme “Design for Health and Wellbeing”.**

12-13 March 2020

Outcomes of the Programme were the outcome of the Conference was to focus more importance to the Nature, and our immediate environs and also be empathetic to our nature, the same was also conveyed by one of the Keynote speaker. Apart from that the conference dwelled upon some of the topics relating to 1. Healing Landscapes, 2. Design of Healthcare Environments on Health outcomes 3. Healthcare and Fashion, 4. Social aspects in lighting design in urbanism, 5. Sustainable living and well-being, which were also the broad themes of the conference. 160 participants were present.

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## **MSAP ORIENTATION PROGRAMME – 2020**

16 September 2020

The students of 2020 Batch of UG and PG Courses were formally welcomed to the Institute.

Lt. Gen (Dr.) MD Venkatesh, Vice Chancellor, MAHE, Manipal gave a motivating Presidential address. Dr. Deepika Sheety, Director MSAP presented an wholistic Introduction to Institute and its variety of activities. Ar Sridevi Changali, of Mason's Ink Studio, Bangalore inspired the studnets through presentation of their work. Dr. Geetha Maiya, Director Student Affairs, informed about regarding Student support at MaHE. Lt. Col. B. Suresh Kumar Chief Warden, MIT briefed about Hostel, facilities, rules and regulations. MSAP Student Council members Rithik Talwar, Madhuram Shriya, Ashwini Pai and Rutaja Kulkarni presented a virtual tour of Manipal Campus and of varied student activities

# MSAP NEWS 2020



Manipal School of Planning and Architecture, Manipal, Karnataka



## MSAP ORIENTATION PROGRAMME – 2020

16 September 2020

The students of 2020 Batch of UG and PG Courses were formally welcomed to the Institute, and were briefed about variety of activities, avenues, resources, facilities, rules and regulations of the Institute.

Manipal School of Planning and Architecture, Manipal, Karnataka

## **GUEST LECTURE ON ECO CHIC (SLOW FASHION AND SUSTAINABILITY)**

29 September 2020

The session started in the morning through online mode on teams. All students from B des FD 5<sup>th</sup> Sem students participated and got insight of eco fashion from the expert.

Students came to know about sustainable practices in fashion design. How to do upcycling recycling and save the environment from landfill of fashion.



Manipal School of Planning and Architecture, Manipal, Karnataka

## **WEBINAR AWARENESS SESSION ON ECO NIWAS SAMHITA IN KARNATAKA**

**29 September 2020**

Eco Niwas Samhita is energy conservation code for the residential building in the state of Karnataka. What is Eco-Niwas Samhita (2018): Ministry of Power, Bureau of Energy Efficiency (BEE) has developed energy efficient building code for NEW residential buildings in India. It was launched in the year 2018.

By implementing energy efficiency in upcoming residential buildings offers an opportunity to significantly reduce the energy use and impart cost savings for the next generation.

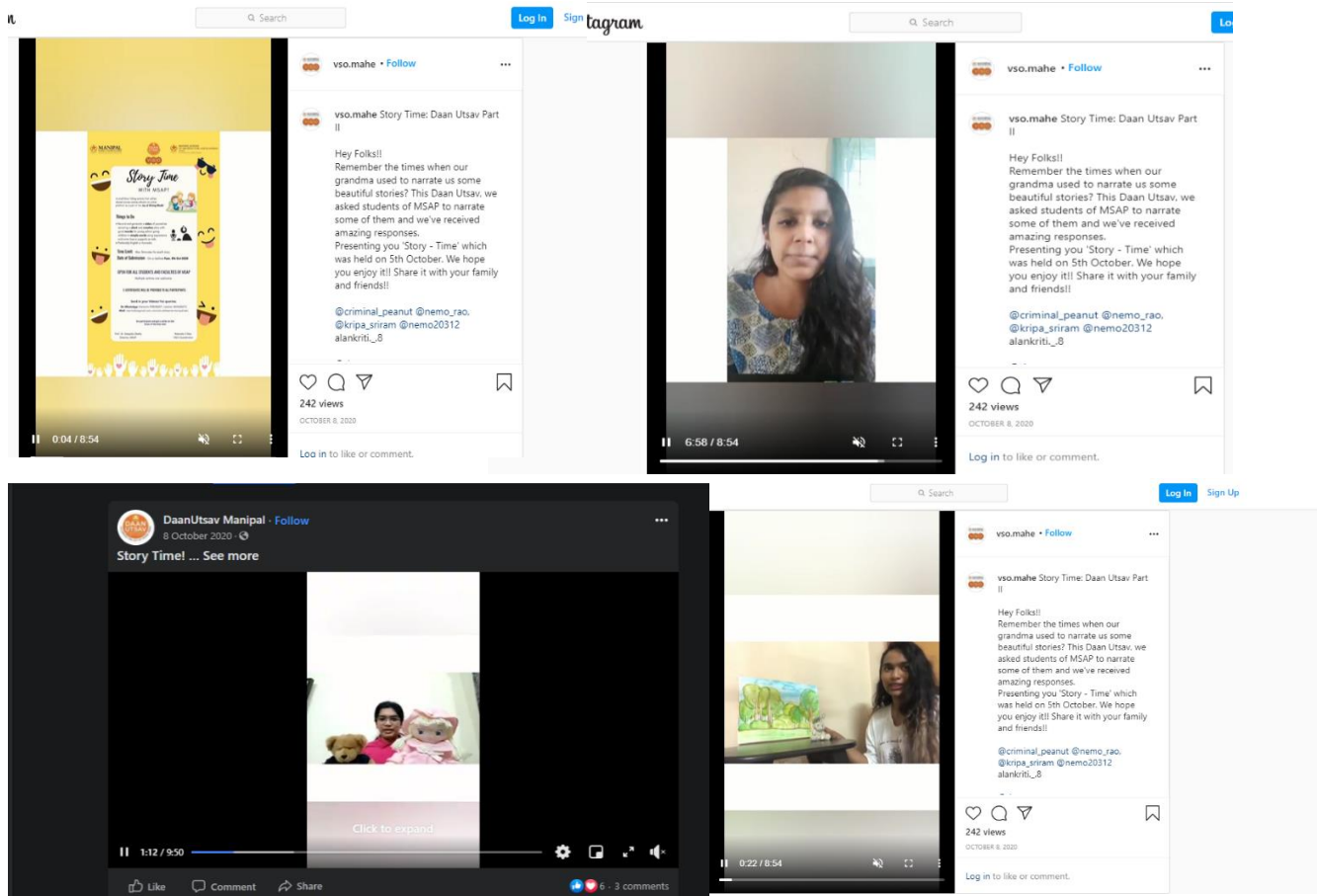
1. Introduction to residential energy codes- Eco Niwas Samhita (ENS).
2. Presentation on Part 1- Building envelope of the ENS code.
3. Design problem for a small Residential plot and validating ENS compliance for the same.

As part of the activities under the Eco Niwas Samhita program, awareness sessions was conducted in selected architecture colleges to impart detailed knowledge on the code and its practical application, MSAP was chosen as one of the colleges.

# MSAP NEWS 2020



Manipal School of Planning and Architecture, Manipal, Karnataka



“Story time with MSAP”

1<sup>st</sup> October 2020 to 5<sup>th</sup> October 2020

## DAAN UTSAV

Students came up with a set of videos that included stories for school children narrated through various props, animations and expressions. The intention was to mainly share the creative side of MSAP showcasing their story telling skills and contribute the best from our side in this online platform days.

Also with an intention that school going children would gain best morals and values and have a good time listening to them.

This will also be screened during VSO activities.

The other forums of MSAP have also contributed with videos of Dance and Music, that was displayed during ASARE’s event

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## **EXPERT TALK : “ EVIDENCE BASED DESIGN AND TRENDS IN HEALTHCARE DESIGN.”**

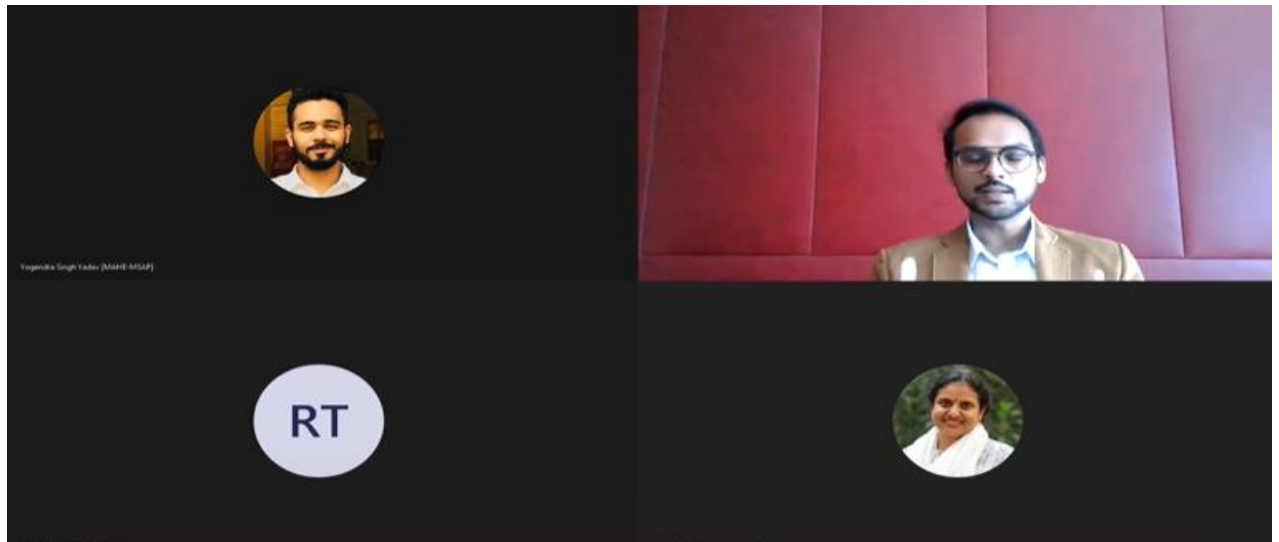
03 October 2020

Apply the design aspects and attributes while designing healthcare facilities.

Understand the concept of Evidence Based Design and it's importance in today's world.

The expert talk by Ar. Meghna P. on Evidence Based design and trends in healthcare design was held on 03.10.2020 – Saturday at 10:00 am. The talk gave the students a detail exploration of designing for healthcare facilities. Evidence Based Design and it's importance was highlighted. The expert shared a few works that she had worked and opened up the possibilities of using latest materials catering to the health environment.

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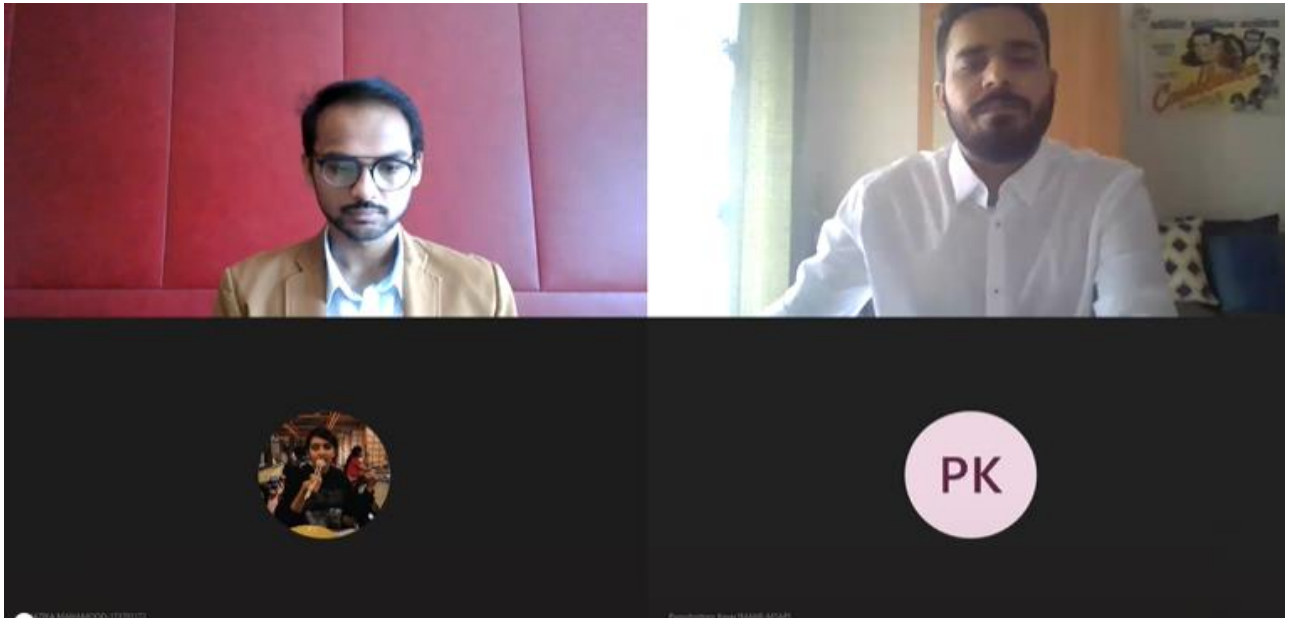


## **THE ARCHITECTURE OF INTELLIGENCE; ROLE OF A.I. AND MACHINE LEARNING IN ARCHITECTURE**

03 October 2020

1. Introduction to Machine Learning
2. Discussion over mapping strategies
3. Analytical reasoning
4. Presentation techniques
5. Exposure
6. Discourse

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## **THE ARCHITECTURE OF INTELLIGENCE; ROLE OF A.I. AND MACHINE LEARNING IN ARCHITECTURE**

03 October 2020

With the evolution of technology, society has been changing dramatically. It has never been easier to access medicine, education, transportation etc. Artificial Intelligence (AI) is transforming almost everything connected to human life such as the economy, language, ethics, security, etc. However, we are still a few steps behind in incorporating computer cognition within our design methods. Technological tools such as Big Data Analytics, Machine Learning, AI, are empowering designers to explore the unexplored potential of design and constructions methods. It is providing an intelligent insight to more efficient design operations, which in turn leads to smarter business/design moves, higher gains and maximum productivity. The webinar aims to highlight the importance of computational thinking during the design process by understanding and quantifying human-centric design philosophies

# M S A P NEWS 2020



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## **GUEST LECTURE ON 'TRENDS IN RESIDENTIAL INTERIOR DESIGN' BY AR.MOHAMMED NISSAR**

7<sup>th</sup> October,2020

The students were exposed to creating and developing concepts in accordance to the clients and the context

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## **ONLINE WORKSHOP ON SOCIAL ENTREPRENEURSHIP**

17 October 2020

Awareness and understanding on Social Entrepreneurship, Swachhta and Rural Engagement, under an initiative by Ministry of Education, Government of India.

Dr. V Krishnapriya explained the concept of social entrepreneurship with the help of a few general examples and a few from the domain of architecture and planning. A national level competition was also introduced.

hi, 🌸🌸  
we are the  
**Farside Collective.**

FAR



## ALTERNATIVE JOURNALISM

24 October 2020

"Alternative Journalism" by Mr. Debasish Borah (Founding member of Farside Collective)

aimed at introducing students to Alternative Journalism. Bring about an understanding of the oppositional stance of mainstream journalism, to that of a more participatory mode of journalistic practice that advocates the interest of the unvoiced, especially in the area of art, architecture and design. With a special focus on mundane micro-histories, found object and their relationship with society at large.



# M S A P NEWS 2020



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The drifting clouds are like human nostalgia, floating. The publication is a series of photographs of isolated clouds, floating in the sky. The artist attempts to see clouds as an extension of human emotions and desires.

See more:  
<https://www.farsidcollective.com/editions#/lonely-clouds>

**editions**  
1. Lonely Clouds

Drifting clouds ansds like human nostalgia; floating.

**2017/shows**  
1. The Artist is missing. PRAM artist residency. Prague, Czech Republic

Instalation challenging ideas of borders.

The art works produced here are our reflections on borders and a commentary on the historical conflict between India & Pakistan. The installation is made with stones creating the borders between the enemy states and visitors were asked to recreate the border themselves.

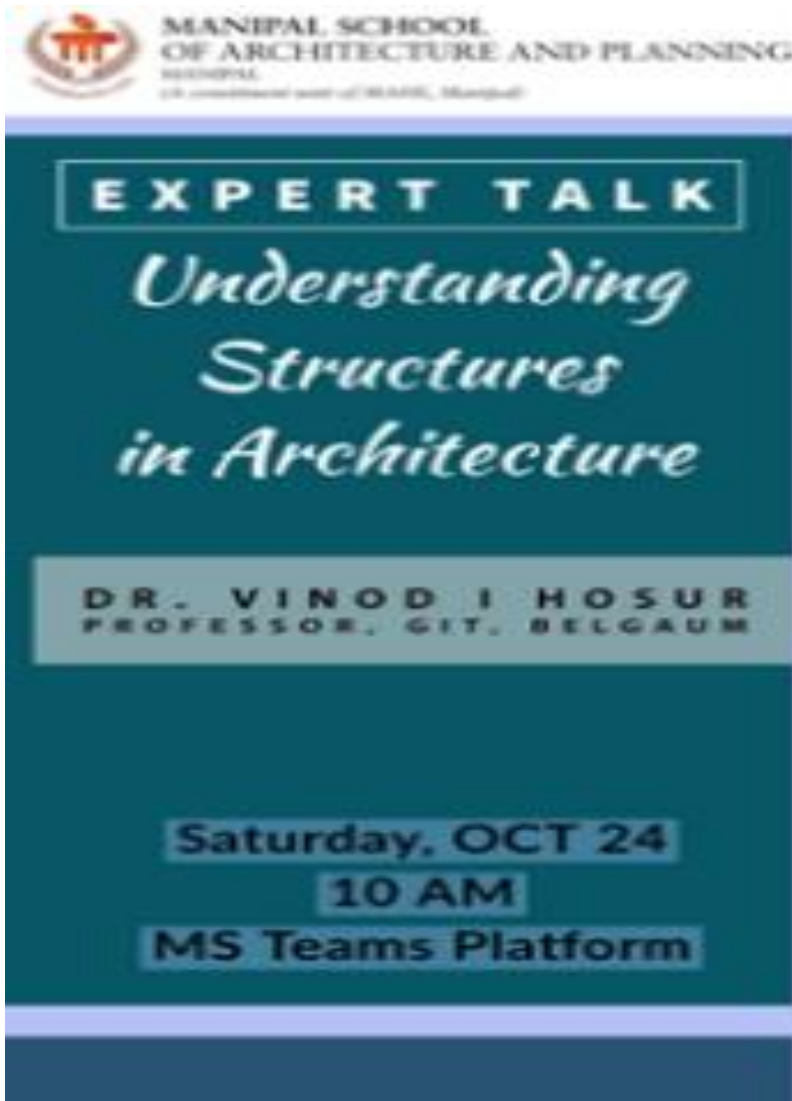
See more:  
<https://www.farsidcollective.com/works#/artistismissing>

## ALTERNATIVE JOURNALISM

24 October 2020

Outcomes of the Programme is to Creating an exposure towards Alternative Journalism- that is creation, production and distribution of content that differs from the dominant mainstream journalism.

Manipal School of Planning and Architecture, Manipal, Karnataka



MANIPAL SCHOOL  
OF ARCHITECTURE AND PLANNING  
MANIPAL  
(A constituent unit of MSAP, Manipal)

**EXPERT TALK**

*Understanding  
Structures  
in Architecture*

**DR. VINOD I HOSUR**  
PROFESSOR, GIT, BELGAUM

**Saturday, OCT 24**  
**10 AM**  
**MS Teams Platform**

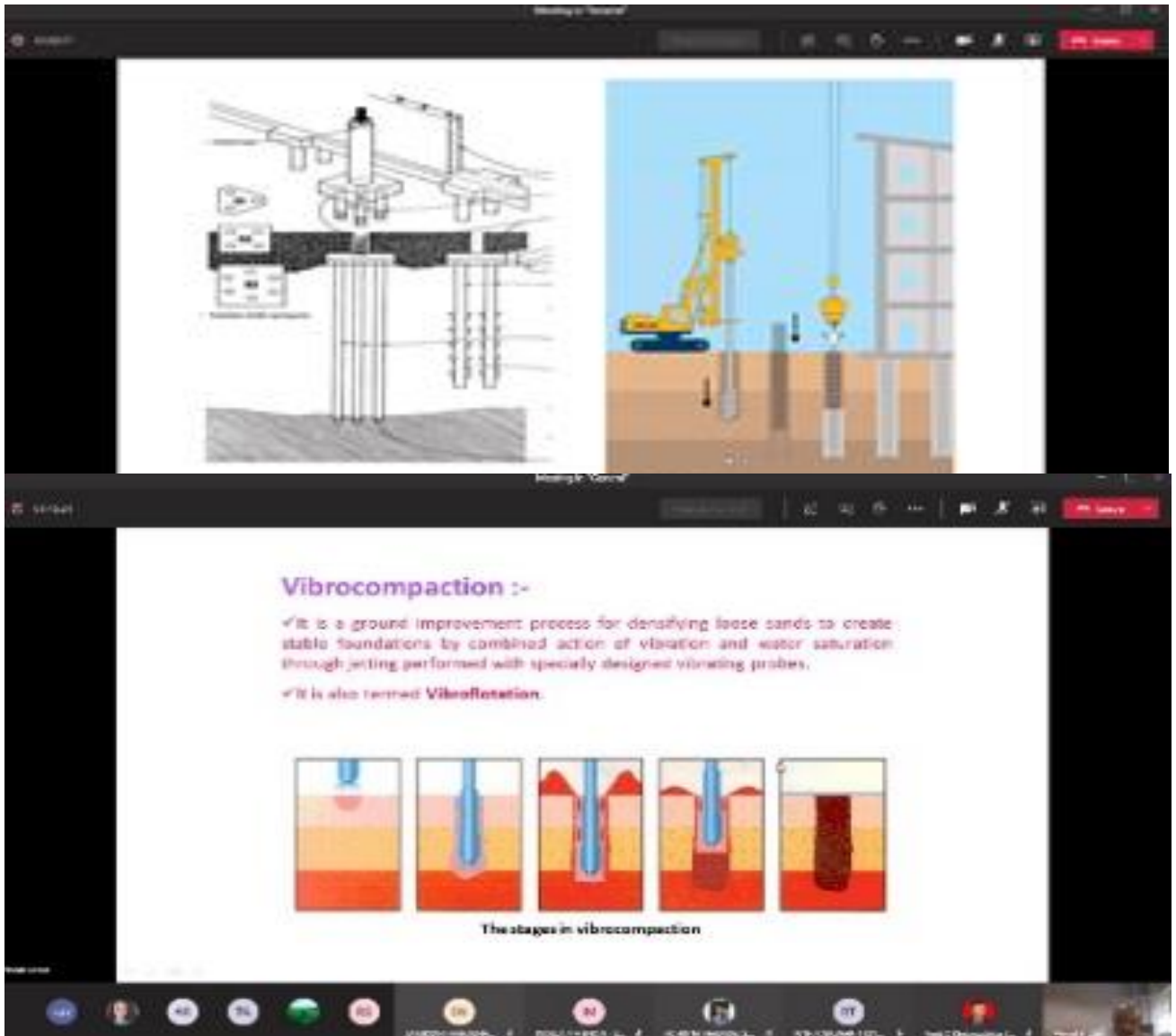


## **GUEST LECTURE ON UNDERSTANDING STRUCTURES IN ARCHITECTURE.**

**24 October 2020**

Knowledge and expertise of resource person motivated the students and presentation helped the students to strengthen the conceptual understanding of the subject.

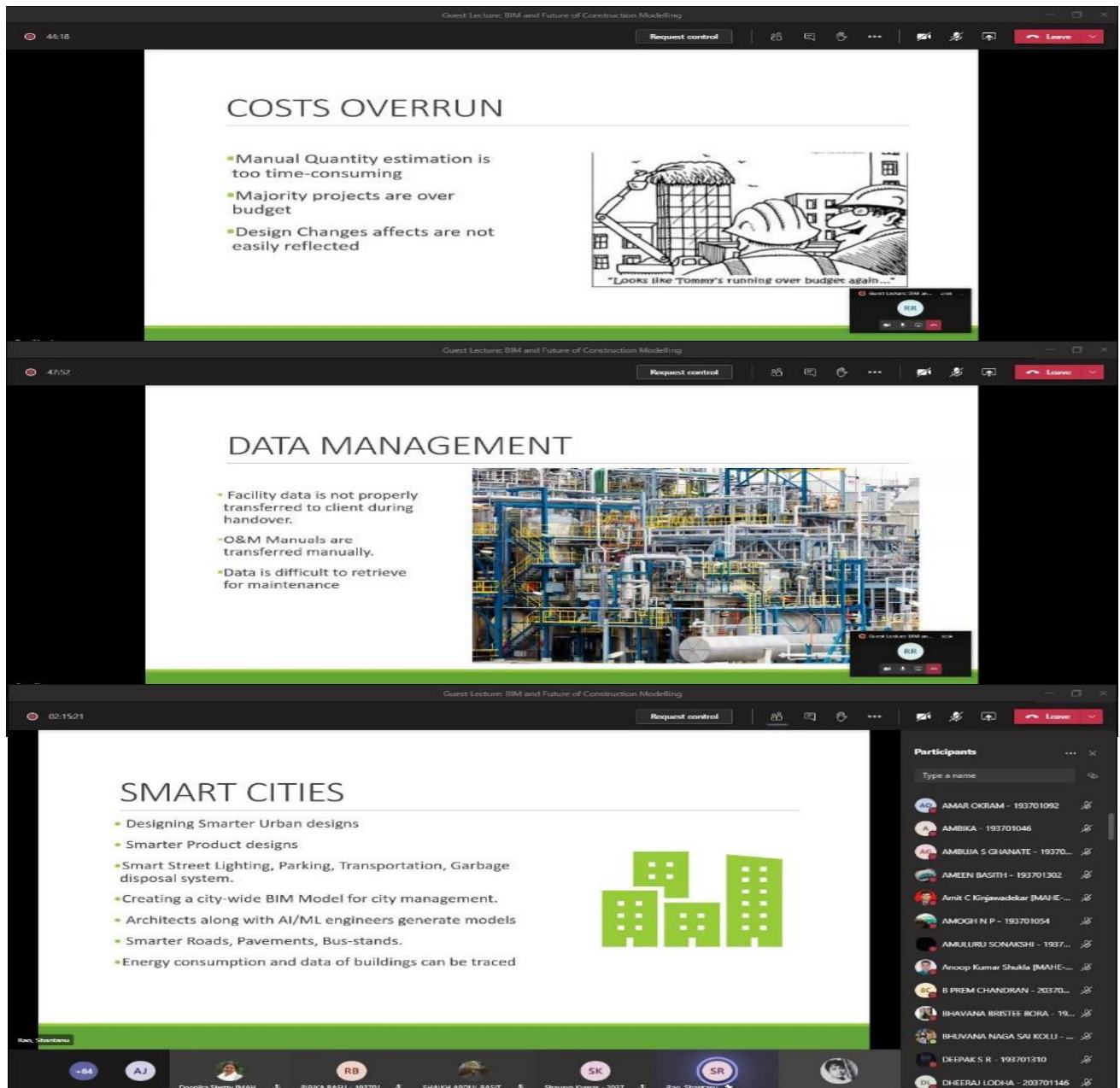
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## **GUEST LECTURE ON UNDERSTANDING STRUCTURES IN ARCHITECTURE.**

Expert lecture was a good opportunity for students to interact with distinguished resource person. The lecture helped the students of various semesters to enhance the knowledge of structural concepts.

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The screenshot shows a Zoom meeting interface with three slides displayed. The top slide is titled 'COSTS OVERRUN' and lists three bullet points: 'Manual Quantity estimation is too time-consuming', 'Majority projects are over budget', and 'Design Changes affects are not easily reflected'. It includes a cartoon illustration of a construction worker looking at a building under construction with the caption 'Looks like Tomar's running over budget again...'. The middle slide is titled 'DATA MANAGEMENT' and lists three bullet points: 'Facility data is not properly transferred to client during handover.', 'O&M Manuals are transferred manually.', and 'Data is difficult to retrieve for maintenance'. It features a photograph of an industrial facility. The bottom slide is titled 'SMART CITIES' and lists six bullet points: 'Designing Smarter Urban designs', 'Smarter Product designs', 'Smart Street Lighting, Parking, Transportation, Garbage disposal system.', 'Creating a city-wide BIM Model for city management.', 'Architects along with AI/ML engineers generate models', 'Smarter Roads, Pavements, Bus-stands.', and 'Energy consumption and data of buildings can be traced'. It includes a graphic of green buildings. On the right side of the Zoom window, a 'Participants' list is visible, showing names and IDs of attendees.

**COSTS OVERRUN**

- Manual Quantity estimation is too time-consuming
- Majority projects are over budget
- Design Changes affects are not easily reflected

"Looks like Tomar's running over budget again..."

**DATA MANAGEMENT**

- Facility data is not properly transferred to client during handover.
- O&M Manuals are transferred manually.
- Data is difficult to retrieve for maintenance

**SMART CITIES**

- Designing Smarter Urban designs
- Smarter Product designs
- Smart Street Lighting, Parking, Transportation, Garbage disposal system.
- Creating a city-wide BIM Model for city management.
- Architects along with AI/ML engineers generate models
- Smarter Roads, Pavements, Bus-stands.
- Energy consumption and data of buildings can be traced

**Participants**

Type a name

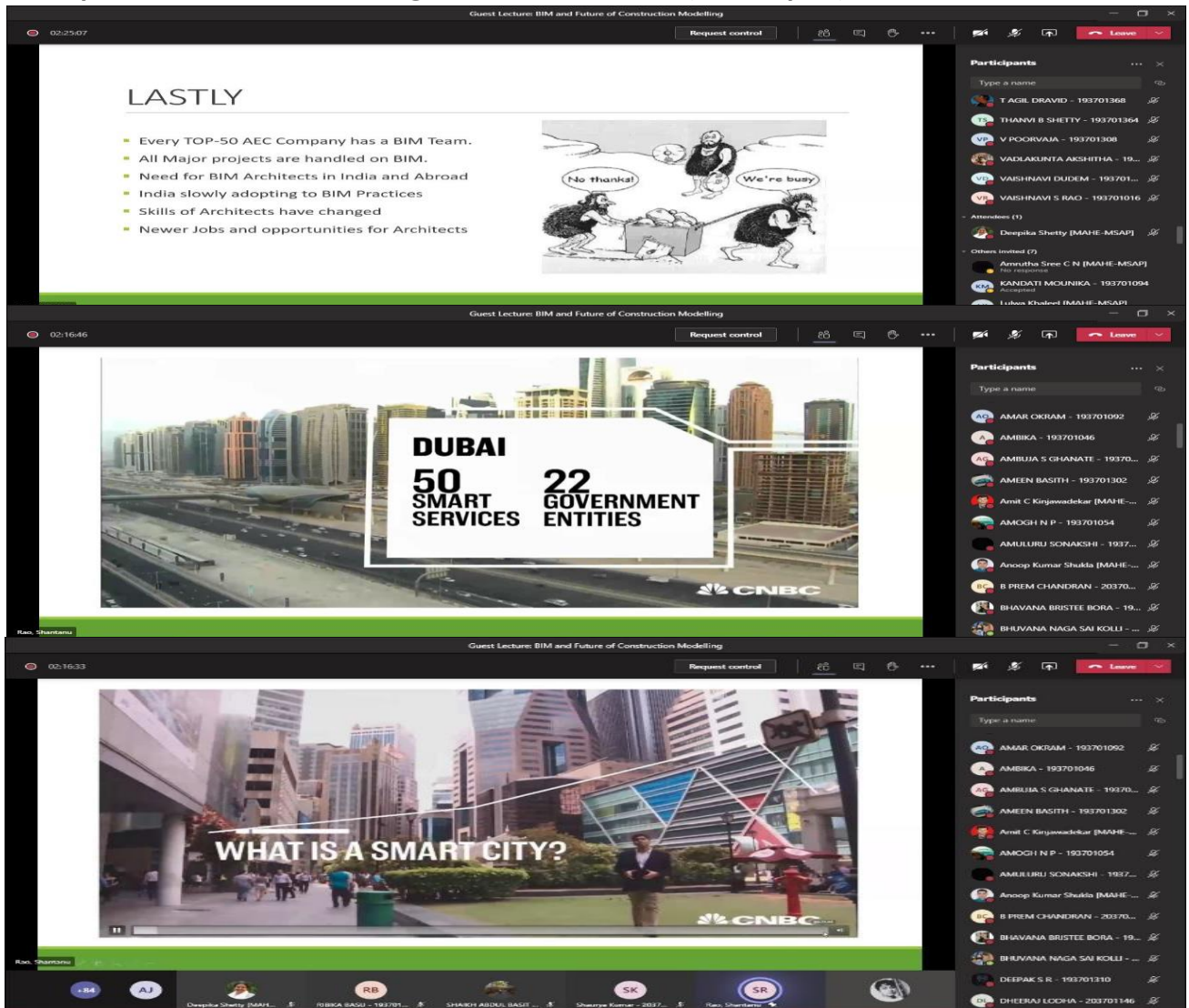
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- AMBIKA - 193701046
- AMBUJA S GHANATE - 19370...
- AMEEN BASITH - 193701302
- Amit C Kirgawadekar (MAJIE...)
- AMOGH N P - 193701054
- ANMULURJ SORNAKSHI - 1937...
- Anoop Kumar Shukla (MAHE...)
- B PREM CHANDRAN - 203570...
- BHAVANA BRISTEE BORJA - 19...
- BHUVANA NAGA SAI KOLEJI - ...
- DEEPAK S R - 193701310
- DHEERAJ LODHA - 203701146

## **BIM AND THE FUTURE OF CONSTRUCTION MODELLING**

28 November 2020

The lecture was about the Building Information Modelling. The speaker talked about the different aspects of workflow of BIM in the industry. Also gave an insight about different technologies used in construction business.

## Manipal School of Planning and Architecture, Manipal, Karnataka



**LASTLY**

- Every TOP-50 AEC Company has a BIM Team.
- All Major projects are handled on BIM.
- Need for BIM Architects in India and Abroad
- India slowly adopting to BIM Practices
- Skills of Architects have changed
- Newer Jobs and opportunities for Architects

**DUBAI**  
**50 SMART SERVICES** **22 GOVERNMENT ENTITIES**

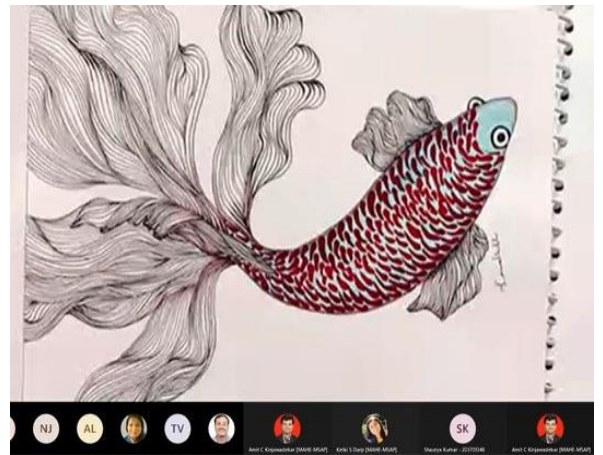
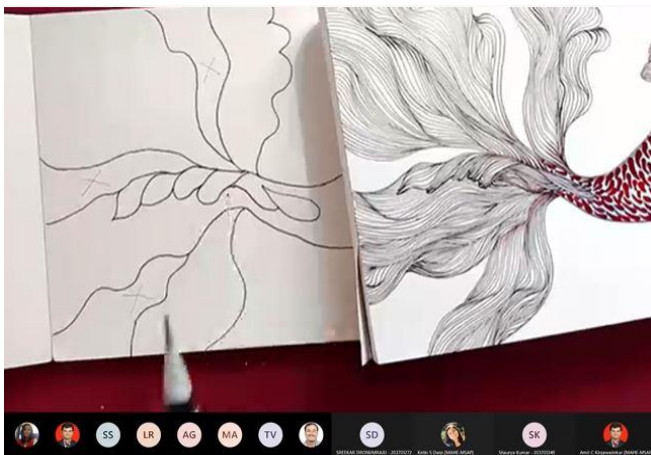
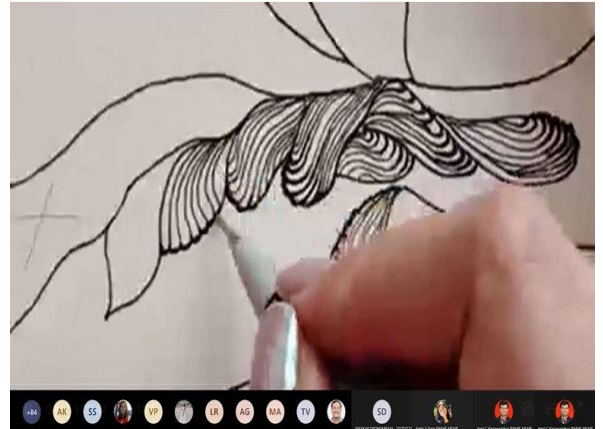
**WHAT IS A SMART CITY?**

## **BIM AND THE FUTURE OF CONSTRUCTION MODELLING**

28 November 2020

Students got a very good insight of how BIM really works in the industry, how the newer technologies like, augmented reality and Virtual reality, Generative designs is used in the construction business. Also got the insights on how the asset management and tagging of products and elements of design works in the present day scenario. Different equipment used for the product tagging was discussed. It was really inspiring as well as informative. Helped the students to know the importance of BIM in the industry and students were able to understand with better clarity than learnt in a classroom.

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## **“LINE ART” WORKSHOP BY ARTIST / CA KAMALRUKH GOTLA, MUMBAI**

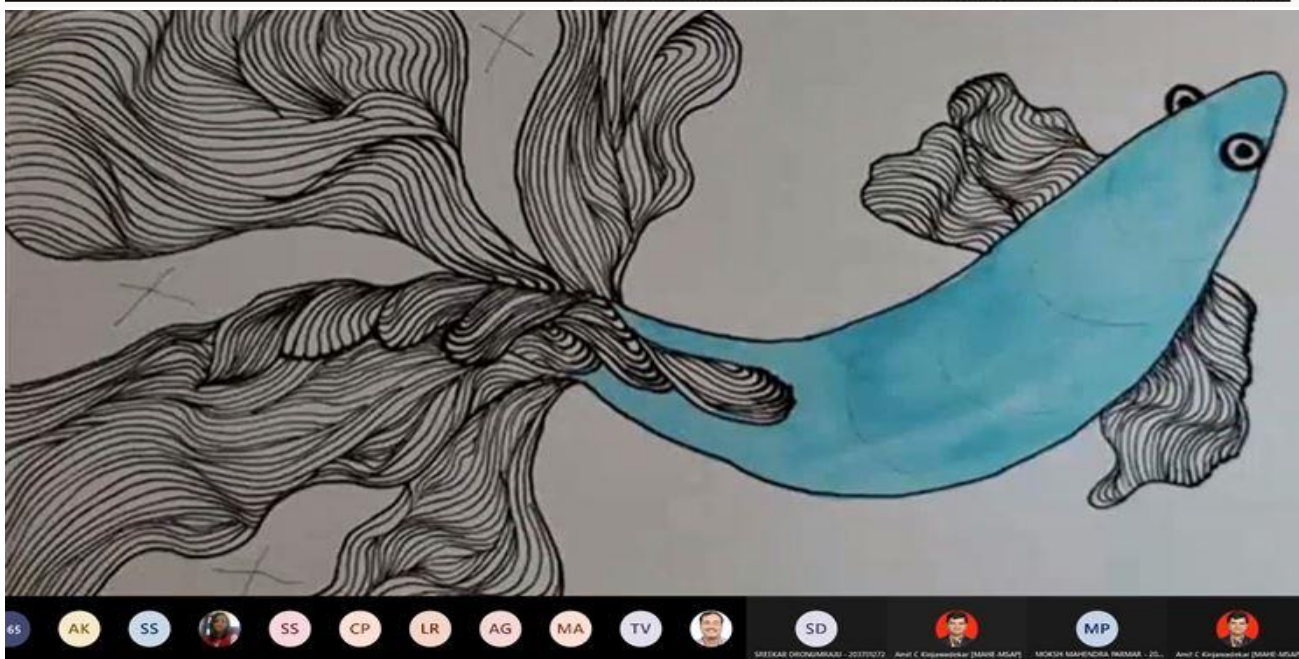
05 December 2020

The online workshop was conducted for First Semester B.Arch students by the expert . In the workshop students learnt various techniques of “Line art” which is also a unique Art therapy which uses simple line as a medium of expression. They explored tips and tricks of making steady lines and shapes and finally turn them into a beautiful composition .

# M S A P NEWS 2020



Manipal School of Planning and Architecture, Manipal, Karnataka



## **“LINE ART” WORKSHOP BY ARTIST / CA KAMALRUKH GOTLA, MUMBAI**

05 December 2020

This unique workshop taught the students to create an illusion of flow, to create transitions and to reate highlights and shadows.... a unique expression in itself.....!!!!

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## **NATIONAL GREEN BUILDING CERTIFICATION SYSTEM OF INDIA – GRIHA**

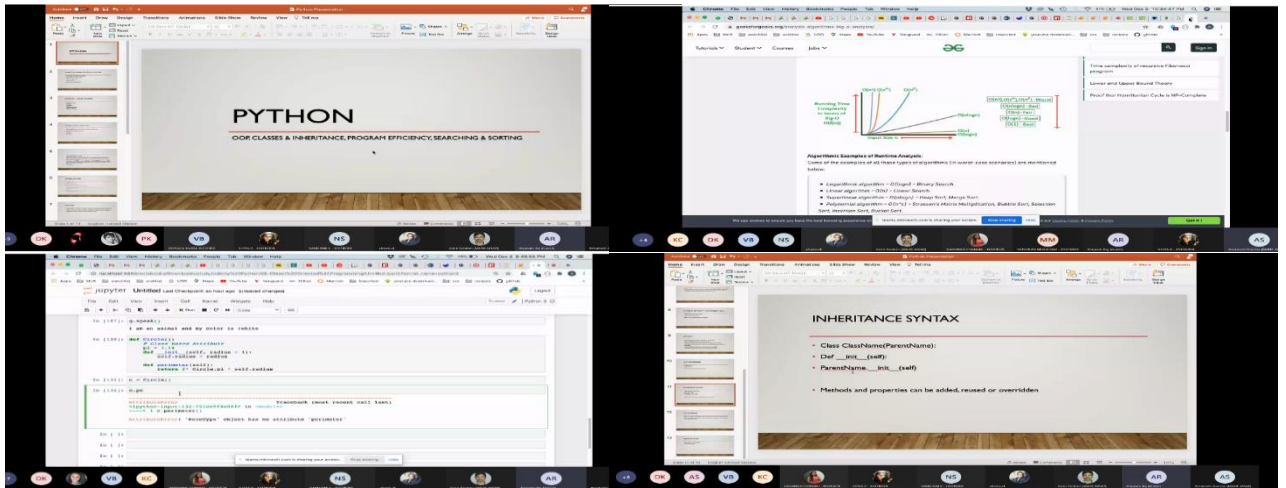
December 10<sup>th</sup>, 2020

Understanding of application process for GRIHA certification.

This guest lecture helped the students in basically understanding the procedure GRIHA certification of buildings.



## Manipal School of Planning and Architecture, Manipal, Karnataka



## Role of Scripting (Python) for Design Decisions By Er. Anupam Raj

10 December 2020

Anupam is a Mechanical Engineer (NIT Japiur) and specialized in Building Science (Arizona State University, USA). In his past experiences, he had worked with Bharat Heavy Electricals Limited (BHEL), Trichy, India and had developed the algorithms for the recourse optimization in the coil design of boilers. He had also worked on the environmental system simulation specialist at Atelier Ten, California, USA. Currently, he is working on Python Scripting as Full Stack Web Developer at YourMD.ca.

### Summary of the Webinar:

- Basic understanding on the role of programming language in architecture.
- Advanced topics covered in Python programming language.

### Outcome of the Webinar:

The guest lecture provided the insight to the students as well as the faculties to understand the role of scripting (Python programming language) in making design decisions. It also helped the students to recognize the importance of programming language in the Architectural field.

**Overview of Advanced Heat Transfer Algorithms for Building Energy Analysis**

- Heat Flow Sources in Buildings
- Sol-Air Temperature
- Steady State Vs Unsteady State (Transient) Analysis
- Overview of Finite Difference Method in Heat Transfer
- Overview of Finite Element Method in Heat Transfer
- COMFEN Demo

SRIJAN KUMAR DIDWANIA  
MS in Built Environment  
@Tech\_in\_India\_Engg

**What are dynamic models and when are they used?**

Till now, heat transfer has been assumed to be Steady-state. For a homogeneous wall, heat in = heat out. In certain cases, this is a very poor assumption.

**When are dynamic models necessary?**

- thermal mass of the building envelope subject to changes in outdoor ambient air conditions and in solar radiation over the day,
- transmitted solar radiation which is first absorbed in the internal mass of the various elements within a room/space (such as slabs, internal walls and furniture) and released later in time,
- internal mass interacting with operational schedules causing diurnal fluctuations in internal load (lights, equip. and occupants),
- internal mass interaction with control strategies of the indoor environment (diurnal thermostat set-up or set back or variations in supply air volume).

**Steady State Vs Unsteady State**

Under Steady state conditions the temperature within the system does not change with time. Conversely, under unsteady state conditions the temperature within the system does vary with time.

Unsteady state conditions are a precursor to steady state conditions. No system exists initially under steady state conditions. Some time must pass, after heat transfer is initiated, before the system reaches steady state. During that period of transition the system is under unsteady state conditions.

Steady State				Unsteady State			
Heat Flow	Energy Storage	Heat Flow	Energy Storage	Heat Flow	Energy Storage	Heat Flow	Energy Storage
Constant	Zero	Constant	Constant	Constant	Constant	Constant	Constant
Variable	Variable	Variable	Variable	Variable	Variable	Variable	Variable

## Overview of Advanced Heat Transfer Algorithms for Building Energy Analysis By Er. Srijan Didwania

11 December 2020

Srijan is a Civil Engineer (NIT Japiur) and specialized in Building Science (Arizona State University, USA). In his past experiences, he had worked with Oak Ridge National Lab, USA for the setup of first hydrothermal research facility in CEPT, Ahmedabad, India. Currently, he is working on optimization based advanced building performance simulations at MS Addison Associates, USA.

### Summary of the Webinar:

- Heat Flow Sources in Buildings
- Overview of Finite Difference method in Buildings
- Overview of Finite Element method in Buildings
- Demo on COMFEN simulation tools

### Outcome of the Webinar:

The guest lecture taken by Er Srijan Didwania helped the students in understanding the basic concepts and its practical application of advanced methods like Finite Element Method and Finite Difference Method in Buildings context. Moreover, the demo of COMFEN simulation tool was very helpful as it gave the insight to analyze the fenestration variables on energy consumption, peak energy demand, and thermal and visual comfort.

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## Institutional Achievements

- India Today – MDRA Best Colleges Ranking – 2020 – Architecture- India Today- MDRA Best Colleges Ranking – 2020 (ARCHITECTURE)-Awarded **7th Rank** in the Architecture Category.- 6 Jul 2020 (<https://manipal.edu/foa/news-events/india-today---india-s-best-architecture-colleges-2020.html>) .
- National Institutional Ranking Framework-India Rankings 2020- National Institutional Ranking Framework-India Rankings 2020-12th Rank In Architecture Category-MSAP has secured the **12th position** in the most valuable ranking system in India - NIRF rankings for Architecture for 2020-11 Jun 2020 (<https://manipal.edu/foa/news-events/national-institutional-ranking-framework.html>) .
- The Outlook-ICARE Professional College Rankings 2020-“India's Best Professional Colleges”- Awarded **8th Rank** in India’s Top Fashion Technology Institute-Pvt-Department of Design, MSAP, Manipal Awarded **2<sup>nd</sup> Rank** in India’s Top Institutes of Architecture-Pvt.-Manipal School of Architecture and Planning, Manipal (<https://manipal.edu/foa/news-events/outlook--icare-professional-college-ranking-2020.html>).
- “BEST COLLEGES IN INDIA THE WEEK-HANSA RESEARCH SURVEY 2020”- Awarded **13<sup>th</sup> Rank** in Fashion Technology Colleges All India-Department of Design, MSAP, Manipal (<https://manipal.edu/foa/news-events/best-colleges-in-india-the-week---hansa-research-survey-2020.html>)

## Faculty's Achievements

- **Ar. Sanghamitra Roy, Professor**, MSAP-As a mentor in The Society, Environment, Values & Attitudes Course 2.0, 2019-SEVA 2.0 Conducted by The T. A. Pai Management Institute, Manipal and the TAPMI Centre for Inclusive Growth and Competitiveness during Sep 2019 to Jan 2020.
- **Ar. Kala Choyimani kandiyl, Associate Professor**-Best Paper Award for the paper entitled "From Caves to the Dwelling: A Beautiful Experience in the Nilgiris, South India" in 1st International Symposium on Sustainable Rural Built Environments (SRBE): From Engagement to Impact at Kulliyah of Architecture and Environment Design, International Islamic University Malaysia (IIUM) in Kuala Lumpur, Malaysia organized by Deakin University, Australia and International Islamic University Malaysia, Malaysia during 4-6 Feb 2020.
- **Dr. Nandineni Rama Devi, Professor**-Moderator in 1st International Symposium on Sustainable Rural Built Environments (SRBE): From Engagement to Impact at Kulliyah of Architecture and Environment Design, International Islamic University Malaysia (IIUM) in Kuala Lumpur, Malaysia organized by Deakin University, Australia and International Islamic University Malaysia, Malaysia during 4-6 Feb 2020.
- **Dr. Nandineni Rama Devi, Professor**- Best Paper Award for paper entitled "Influence of Intercultural Dialogue Through Design (iDiDe) on Student Learning: Illustration through design of Anganwadi Centers during iDiDe in Manipal, India" in 1st International Symposium on Sustainable Rural Built Environments (SRBE): From Engagement to Impact at Kulliyah of Architecture and Environment Design, International Islamic University Malaysia (IIUM) in Kuala Lumpur, Malaysia organized by Deakin University, Australia and International Islamic University Malaysia, Malaysia during 4-6 Feb 2020.

## Faculty's Achievements

- **Dr. (Prof.) Deepika Shetty, Professor & Director**-Best Paper Award for paper entitled “Identifying Local Morphology by comparing space syntax of four heritage towns in Udupi district of Coastal Karnataka, India” in 1st International Symposium on Sustainable Rural Built Environments (SRBE): From Engagement to Impact at Kulliyah of Architecture and Environment Design, International Islamic University Malaysia (IIUM) in Kuala Lumpur, Malaysia organized by Deakin University, Australia and International Islamic University Malaysia, Malaysia during 4-6 Feb 2020.
- **Dr. (Prof.) Deepika Shetty, Professor & Director**- Overall Best Paper Award for paper entitled “Identifying Local Morphology by comparing space syntax of four heritage towns in Udupi district of Coastal Karnataka, India” in 1st International Symposium on Sustainable Rural Built Environments (SRBE): From Engagement to Impact at Kulliyah of Architecture and Environment Design, International Islamic University Malaysia (IIUM) in Kuala Lumpur, Malaysia organized by Deakin University, Australia and International Islamic University Malaysia, Malaysia during 4-6 Feb 2020.
- **Prof. Sonali Walimbe, Professor**-Green Build India 2020-Conducted Session on Health and wellbeing in the classroom: a biophilic design charette at ITC Gardenia, Bangalore organized by Green Build India during 6-7 Feb 2020.
- **Dr. Nandineni Rama Devi-Professor**-Green Build India 2020-Conducted Session on Health and wellbeing in the classroom: a biophilic design charette at ITC Gardenia, Bangalore organized by Green Build India during 6-7 Feb 2020.
- **Dr. (Prof.) Deepika Shetty , Professor & Director**-Resource Person for Second Session of Webinar Series on “Sustainable Urbanism” Webinar presented by Xavier School of Human Settlements, Xavier University, Bhubhaneshwar on 25 July 2020.

## Faculty's Achievements

- **Dr. Nandineni Rama Devi, Professor, MSAP**-Resource person for the topic "Clinic Design " as a part of Practodent: An Online Dental Practice Management Program for Interns-for Dental Interns of Mangalore, MAHE organised by MCODES, Mangalore, Manipal Academy of Higher Education on 7 Sep 2020.
- **Dr. (Prof.) Deepika Shetty , Professor & Director**-Resource Person-Conducted an online session of 'Importance and Procedure of Review of Literature' for B.Arch & M.Arch students organised by SVS School of Architecture, Coimbatore on 25 Sep 2020.
- **Dr. Pradeep G Kini, Professor, MSAP**-Honourable Member of the Discussion Panel - "Personal Experiences of Practice in two city regions of India - Baroda and Mangalore" of the First Webinar of IIID Mangalore Regional Centre, Mangalore with Dipen Gada organised by Institute of Indian Interior Designers, Mangalore Regional Centre, Mangalore on 24 Oct 2020.
- **Ar. Amit Kinjawadekar, Professor, MSAP**-Interdisciplinary Conference on Healthcare and Technical Research (ICHTR) - 2020-Panel Chair-Panel 11 Organised by Student Research Forum (MAHE-SRF) under the aegis of the Directorate of Research, Manipal Academy of Higher Education on 30 Oct 2020.
- Best Paper Award for paper entitled-"Perceptions of nature connectedness among School children" at the 2<sup>nd</sup> International Conference on "Sustainable Urban Development, Resource Conservation and Food Security" presented by **Sonali Walimbe, Professor and co-authored by Nandineni Rama Devi, Professor and Shantanu Chitgopkar, Associate Professor** hosted from Bearys Knowledge Campus, Bearys Institute of Technology, Mangalore and Bearys Enviro-Architecture Design School, Bangalore on 6<sup>th</sup> August, 2020.
- **Dr. Nandineni Rama Devi, Professor, MSAP**-Expert Lecture Series- Conducted Lecture-Guest Speaker for Online Webinar on "Interaction on preparation & process of Architectural Design Thesis" organized by University of Mysore-School of Planning and Architecture, Mysore on 11 Dec 2020.

## Student's Achievements

- **Ms. Neha Mary Boby**, 5<sup>th</sup> Year, B. Arch-**Best Paper Presentation Award - UG Category** for paper titled 'Investigating the Viability of Implementation of Vertical Gardens in Indian Context' in 1st International Conference on Advancements in Science and Technology (**ICOST2020-Online**) held at Coimbatore during 25-26 July, 2020.
- **Ms. Ipsitaa Priyadarsini Das**, 3rd year, Exe. M. Arch.-**Best Paper Presentation Award-PG Category** for paper titled 'A study on the necessity of "positive Cyclone Portable Relief Shelter"-A case of Odisha' in 1st International Conference on Advancements in Science and Technology (**ICOST2020-Online**) held at Coimbatore during 25-26 July, 2020.
- **Sucharita Hazra**, Batch of 2003-2008, B Arch-**won 'Citation Award'** for the poem "The essential architect" in Annual Competition – 'Architectural Poetry' ('Open' Category) July-August 2020 and won Honourable Mention for the poem "A tale for a builder" in Annual Competition – 'Architectural Poetry' ('Open' Category) July-August 2020 organised by Architectural Journalism & Criticism Organization, India.
- **Dhanya Suresh (153701284) and Hatim Cyclewala (153701162)** participated in an International competition called **Master Studio held by Archmello**, the topic was to design an co-working space for architects and students-Secured the second place in the competition.
- **Pranav Nireshwalia, S Radhakrishna Pai, Sanjana, MIT**, "Special Recognition Award" at the Southern Regional Bound of Transparence 14.0 organized by Saint Gobain held on 22.01.2020.
- **Saiesha Shetty** Conducted on 5.02.2020 awarded first prize in Inter College Design Fest -2020 WOW Fest-Clustered Clouds conducted on 5<sup>th</sup> Feb 2020 organised by Indian Design School, Mangalore University.
- **Miss Akshita Aurora**, IV-year B. Des (FD) student from Department of Design, MSAP, MAHE-one of the **top 5 winners of International Fashion styling event (online)**-to Style a "WORK FROM HOME outfit contest hosted by London school of Trends, UK in the month of June 2020 in an online platform Based on the theme "Work from Home". The student has won a free online "Fashion and Personal Styling" course, which means that after the completion of the course, she will get a certified diploma from London School of Trends.

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## Alumni Achievements

- B. Arch. alumni **Lakshmi Mohanbabu's** Micro sculpture was selected by the European space agency to be sent to the Moon on the ESA Moon lander to be exhibited permanently on the Moon. (On the ESA Moon Lander 2022).
- B.Arch Alumni **Ar. Prachish Vasudeva** is appointed as Managing Director with Alvarez & Marsal in New Delhi.
- B.Arch alumni (2010 Batch) **Ar. Sridevi Changali** of Masons Ink Bangaluru was Platinum Winner for Architecture Ideas competition under the category of Architecture: Green Building.
- B.Arch Alumni **Ar. Tanya Chandra** appointed as New RSA student Representative Board Member.
- B.Arch Alumni (1992 Batch) **Ar. Fancy George** was the Corenet Global India Chapter Bingo Winner.

## Staff Achievements

- **Ms. Shobha M Prabhu, Librarian, MSAP**-has participated and secured SECOND prize in “Yoga Photo Competition” on Occasion of International Day of Yoga 2020, Organized by Division of Yoga, Centre for Integrative Medicine and Research (CIMR), MAHE, Manipal.



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## Grants & Seed Money Projects Received

Sl. No.	Project Name	Principal Investigator	Funding Agencies	Total Grants Received (INR)	Duration of the Project	Year
1	Effect and Impact of <b>Changing Climate trends on Built Heritage of Madikeri</b>	Ar. Sarmistha Chatterjee & Ar. Trivikram TN	<b>INTACH</b> (Indian National trust for Art and Cultural Heritage) Research Scholarship 2020	Rs. 2,40,000	June 2020-May 2021	June 2020
2	<b>Gram panchayat spatial development Plan</b> - Uppunda and Shankarnarayana in Udupi District	Dr. Deepika Shetty	<b>Ministry of Panchayati Raj, Govt of India</b>	Rs. 5,00,000	July - Nov 2020	July 2020
3	<b>Planning of domestic water systems for island communities in coastal karnataka:</b> A Cross sectional analysis of population profile and ground water quality	Satyaprakash Das	<b>MAHE</b> - Seed Money Grant 2020	Rs. 50000	Dec 2020 - Nov 2022	Dec 2020
4	Application and evaluation of natural anti microbial agents treated <b>three layer face mask</b> .	Nagaveni N Nayak	<b>MAHE</b> - Seed Money Grant 2020	Rs. 25,870	Dec 2020 - Nov 2022	Dec 2020
5	Recommendation for <b>noise reduction methods in NICU: Case of main NICU, Kasturba Hospital, Manipal</b>	Charline Stella Samuel	<b>MAHE</b> - Seed Money Grant 2020	Rs 40,000	Dec 2020 - Nov 2022	Dec 2020

# M S A P NEWS 2020



Manipal School of Planning and Architecture, Manipal, Karnataka

## Book Chapter : M S A P

Sl No	Name of the Book	Chapter/s Name (If Authored, Chapters Only)	Faculty Members	Publisher	Dated On
01	Advances in Control Instrumentation Systems, Lecture Notes in Electrical Engineering	Robust controller for seismic response mitigation	Shantharama Patil	Springer	July 2020
02	Springer reference Live - Reduced Inequalities	Facilitating Rural Community Participation: Construction and Design of an Anganwadi Center in Ajjarkad, Udupi, India	Nandineni Rama Devi	Springer	Oct 2020
03	Springer reference Live - Industry, Innovation & Infrastructure	Sustainable Transportation Infrastructure's Role in Attaining Sustainable Development Goals	Ms. Rituka Kapur / Satyaprakash Das / Nandineni Rama Devi	Springer, Cham	Nov 2020

## Book Chapter : D O D

Sl No	Name of the Book	Chapter/s Name (If Authored, Chapters Only)	Faculty Members	Publisher	Dated On
01	Sustainability in the Textile and Apparel Industries-Sustainable Textiles, Clothing Design and Repurposing	University Intervention in Inculcating Design Practices for Sustainable Fashions	Veena Rao / Rajesh Kumar	Springer, Cham	May 2020

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## Publications

Sl. No.	Faculty name	Title	Journal	Published (Month & year)	Index	National / International
1	Arunabha Bandyopadhyay	Interior design considerations to enhance student satisfaction in classrooms	International Journal of Social Sciences	JAN 2020	--	International
2	Shanta Pragyan Dash	To study the feasibility of cseb for low cost housing	International Journal of Advanced Science and Technology	Mar 2020	Scopus	International
3	Shanta Pragyan Dash	To study the impact of neighborhood planning on healthy ageing	International Journal of Advanced Science and Technology	Mar 2020	Scopus	International
4	Nandineni Rama Devi / AMIT C KINJAWADEKAR	The built environment and health: fostering interprofessional collaboration for better policy recommendations	Journal of Interprofessional Care	May 2020	Scopus	International
5	Pranav Kishore (First Author) / Dr. Pradeep G Kini (Co-Author)	Optimization based feasibility analysis for Energy Conservation Building Code compliance of opaque wall assemblies in different climatic zones of India	Procedia Manufacturing	May 2020	Scopus	International
6	Pranav Kishore (Co-Author) / Dr. Pradeep G Kini (Co-Author)	Energy Conservation Building Code (ECBC) based optimum wall composition with respect to thermal transmittance and thickness for different commercial pockets of Tier-1 city in temperate climatic zone of India	Procedia Manufacturing	May 2020	Scopus	International
7	Pranav Kishore (Co-Author) / Dr. Pradeep G Kini (Co-Author) / Raghu Prem M (Co-Author)	Optimization based feasibility study for filler slabs as a response towards the ECBC roof compliance with respect to thermal transmittance for five climatic zones of India	Procedia Manufacturing	May 2020	Scopus	International

## Publications

Sl. No.	Faculty name	Title	Journal	Published (Month & year)	Index	National / International
8	Shanta Pragyan Dash	A Qualitative Study on Effect on Lighting in Museums	International Journal of Architectural Design and Management	Oct 2020	--	International
9	Trupti Amit Kinjawadekar	Design of Short Columns Reinforced with GFRP Bars Subjected to Axial Loading	IOP Conference Series: Materials Science and Engineering	Oct 2020	Scopus	International
10	Trupti Amit Kinjawadekar	Design of Flexural Members Reinforced with GFRP Bars	Design of Flexural Members Reinforced with GFRP Bars	Oct 2020	Scopus	International
11	Satyaprakash Das / Shanta Pragyan Dash	Exploring Sustainable Eco-Tourism Potential Along the River Islands of Coastal Karnataka: A Case Study of Mudukudru Island	International Journal of Landscape Planning and Architecture	Nov 2020	--	International
12	Shanta Pragyan Dash	Exploring Innovative Design Possibilities Using Bamboo as A Construction Material in Architectural Design	International Journal of Landscape Planning and Architecture	Nov 2020	--	International
13	Shantharama Patil	Review on vibration control in tall buildings: from the perspective of devices and applications.	International Journal of Dynamics and Control	Dec 2020	Scopus	International
14	Vipin Tandon	On the Influence of Cold Working and Electrochemical Nitridation on the Corrosion Behaviour of 316L Austenitic Stainless Steel in Acidic Environment	Surface Engineering and Applied Electrochemistry	Jan 2020	Scopus	National
15	Sarmistha Chatterjee / Haripriya Bhamidipati	Co-living spaces: A community in disguise during a crisis.	News Paper Article - The Goan	May 2020	--	National
16	Monika Jadhav	Towards Energy Literacy	Myxlpvx Moods magazine	June 2020	--	National

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## Publications

Sl. No.	Faculty name	Title	Journal	Published (Month & year)	Index	National / International
17	Shanta Pragyan Dash	Criticism in Architecture	Myxlpvx Moods magazine	June 2020	--	National
18	Vipin Tandon	Influence of Time on Low Temperature Salt Bath Nitriding and its Corrosion Behavior of 316L ASS in PEMFC Environment	Protection of Metals and Physical Chemistry of Surfaces	July 2020	Scopus	National
19	Sarmistha Chatterjee / Madhuri Muralidharan	Movie theatres of the by-gone eras	Udayavani (News paper article)	Sep 2020	--	National
20	Vipin Tandon	Efect of Heat Input on the Microstructural, Mechanical, and Corrosion Properties of Dissimilar Weldment of Conventional Austenitic Stainless Steel and Low-Nickel Stainless Steel	Metallography, Microstructure, and Analysis	Oct 2020	Scopus	National
21	Shantanu Chitgopkar/ Shanta Pragyan Dash / Sonali Walimbe	Gated Community Living: A study of contemporary residential development approach in Indian Cities	PalArch's Journal of Archaeology of Egypt / Egyptology	Nov 2020	--	National
22	Sonali Walimbe	Sustainable Furniture Design: Considerations for Building Sustainable Furniture Design	International Journal of Science and Research (IJSR)	Nov 2020	--	National
23	Shanta Pragyan Dash / Dr. Deepika Shetty / NEHA MARY BOBY	An Overview of Green wall systems: its performance and benefits in Sustainable Design	PalArch's Journal of Archaeology of Egypt / Egyptology	Dec 2020	Scopus	National
24	Shanta Pragyan Dash / INAKSHI DAS	Feasibility of incorporating open spaces in the design of micro apartments in residential environments	PalArch's Journal of Archaeology of Egypt / Egyptology	Dec 2020	Scopus	National
25	Resmi G	Narration on ethnic jewellery of Kerala- focusing on design, inspiration and morphology of motifs	Journal of Textile Engineering & Fashion Technology	Dec 2020	--	National



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