



SYMBIOSIS SCHOOL OF PLANNING ARCHITECTURE AND DESIGN

Symbiosis International (Deemed University)

Established under Section 3 of the UGC Act, 1956

Re-accredited by NAAC with 'A' grade (3.58/4) | Awarded Category - I by UGC

Founder : Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

COA-TRC On-Line Training Program

“Post Pandemic Architecture”

(Dates: 15th February – 18th February 2022)


Convened by: Prof. Jayashree Deshpande, Director, COA-TRC, Pune

Coordinated by: Dr. Nandini Kulkarni, Director, SSPAD, Nagpur

Online Coordinator: Ar. Rizwana Raza, Ar. Akshay Revekar

Symbiosis School of Planning Architecture and Design, Nagpur is proud to be associated with the esteemed Council of Architecture Training and Research Centre, Pune in organizing this National Online Faculty Development Programme on the vital theme- “Post Pandemic Architecture”. In this four-day FDP, the participants came to know about the novel modes of application of Architecture. This Faculty Development Program has contributed immensely in enhanced of practical knowledge which will be useful in the career of the participants. This FDP has been inaugurated by chief guest Ar. Abhay Purohit, member of CoA and convened by Prof. Jayashree Deshpande, Director, COA TRC.




Dr. Nandini Kulkarni
(Director, SSPAD)

Director
Symbiosis School of Planning,
Architecture & Design
(SSPAD) Nagpur-08



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The current Covi-19 Pandemic has affected human lives globally. Our activities in physical and digital space have changed. There is a moral apprehension of health risks which has altered the human network worldwide. It has affected our cultural lives and collective psychological welfare. Our everyday spaces such as our workplaces, educational spaces, our neighborhoods have changed. Our perspective of our cities has changed, for we often dread it as a place full of health risks. With such considerations, the need of the hour is to carefully think of a future which can make every day urban living more comfortable keeping in mind the impact of pandemics. This program explores the future possibilities of cities, workplaces, housing and settlements and other points essential to formulate a post-pandemic architectural education which can meet the requirements of the future challenges.

Objectives:

- 1) To explore the concept of 'future cities' in the context of pandemic
- 2) To explore how future housing and settlement design can accommodate impacts of a pandemic
- 3) To explore how future workplaces can be reimagined
- 4) To explore the challenges faced by the architectural education today, and how the discipline can be reformed in the post-pandemic times

Key take-aways for participants:

- 1) A holistic insight into the changes brought about by the pandemic in the above-mentioned sectors
- 2) Contribution to the idea of future of cities and urban living



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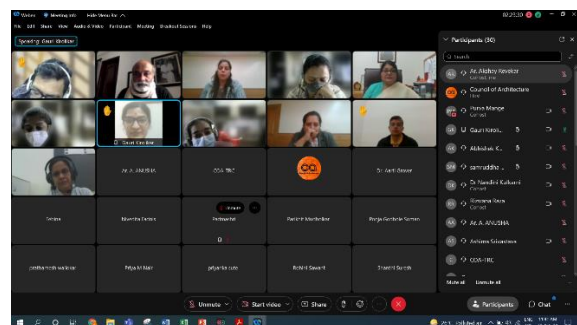
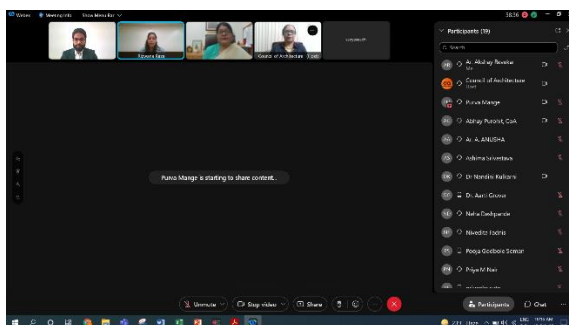
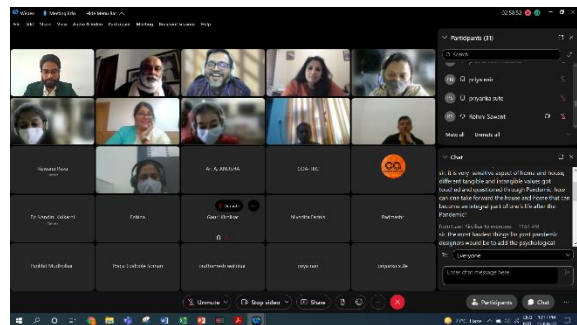
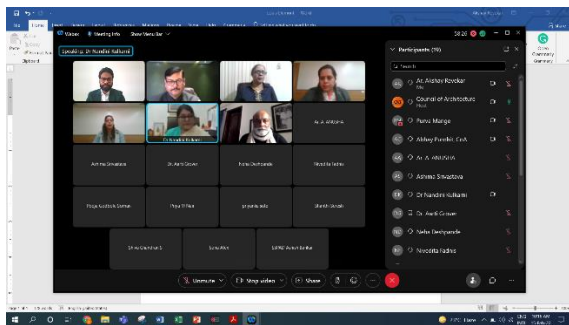
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Day 1: 15/02/2022

Keynote Speaker: Dr. Savyasaachi

Topic of Session: Inside and Outside Home During the Pandemic

According to Dr. Savyasaachi house and home are two distinct entities, a house is to be converted into a home by creating a user friendly and homely atmosphere. One has to identify himself with the facilities and arrangement of things in order to impart a fruitful meaning to a residential area so that it can be called a home. A home acknowledges the space and privacy of the neighbours. He said that during the pandemic time we were all confined to our homes. Our homes assumed the look of a sarai. The possibility of pandemic in near future cannot be denied and hence we need to think in terms of creation of a modern version of the sarai or places where we dwell. Directly or indirectly this will lead to reducing number of cases of domestic violence. A home even became a workplace or a hospital in times of pandemic.





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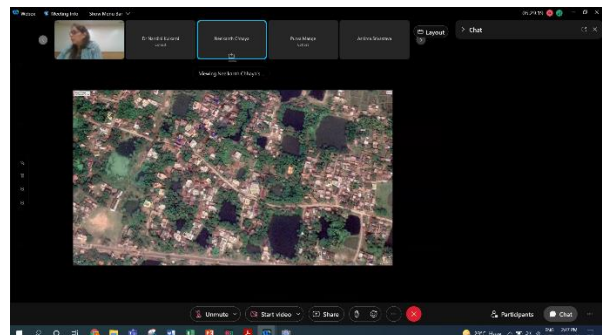
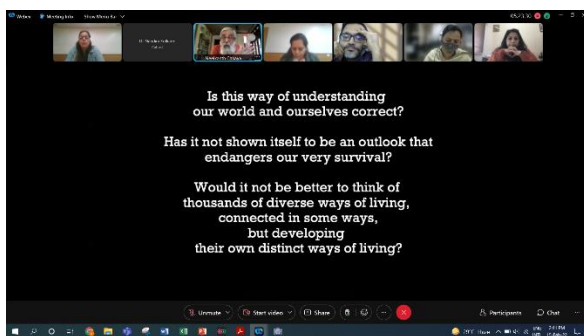
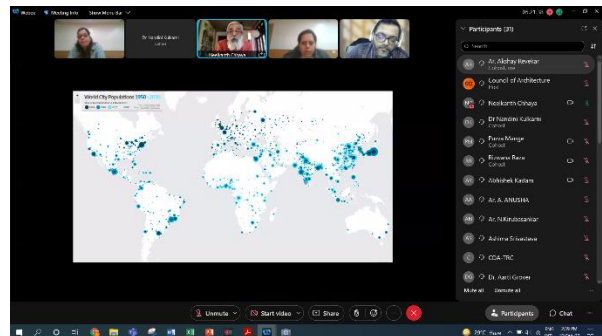
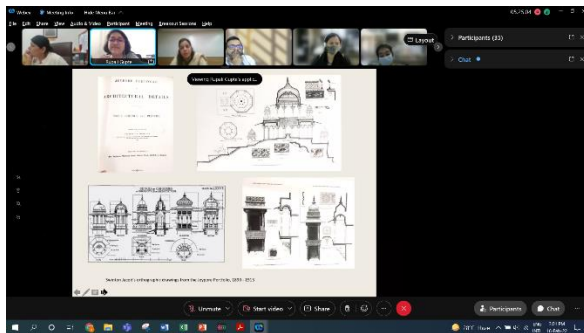
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Day 1: 15/02/2022

Guest Speaker: Prof. Neelkanth Chhaya

Topic of Session: The Future City: Pipe-dream or Nightmare?

Ar. Neelkanth Chhaya shed light on the relationship between architecture with human society. He specifically mentions that the pandemic shattered our over confidence in our ability to control nature. He illustrated his claims with the help of clips taken from movies. He took examples of several villages in Indian states ranging from east to south, explained in details the emergence and growth of villages in these settlements. He showed how in olden and modern times cities are designed by the architects so that a healthy human society can exist. He deliberated on the responsibility of the architects in giving out an effective design having aspects like feasibility, convenience, and utility.





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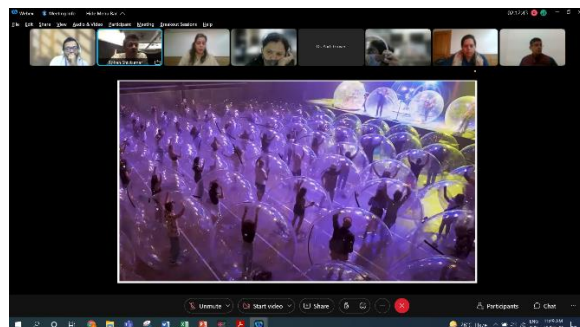
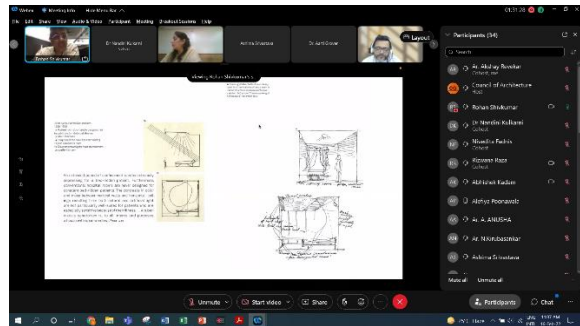
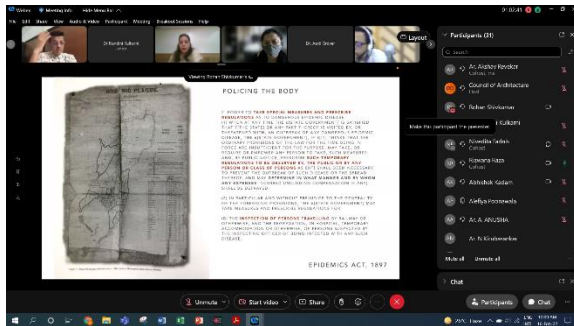
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Day 2: 16/02/2022

Guest Speaker: Rohan shivkumar

Topic of Session: The Academy in the Aftermath: Teaching Architecture in the Post Pandemic World

He presented his lectures in 3 parts. He talked about creation of new roads and a short history of architecture and crisis. He laid emphasis on evolving of scientific methods to implement architectural designs he advocated the designs and structures of old houses beside the Thames which symbolised appreciation and affinity with rural life having strong connection with nature. He lamented that the kind of chawls and buildings constructed in Mumbai after the plague gave an invitation to unhygienic conditions which could result in epidemic. New cities like Paris appeared on world map in which availability of proper light and ventilation where properly taken care of. He said that an architect must have the vision of what is expected by his client. He mentioned an example of an architect who was instrumental in designing a hospital in which he installed ergonomic furniture, railings and other components that supported in patients healing.





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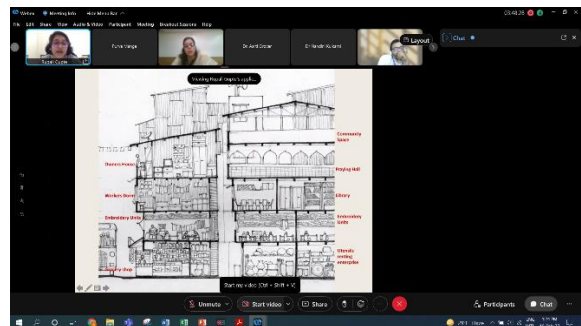
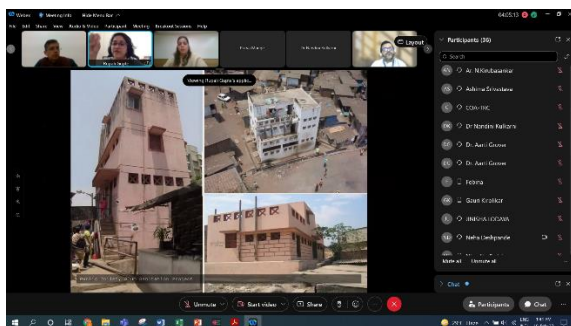
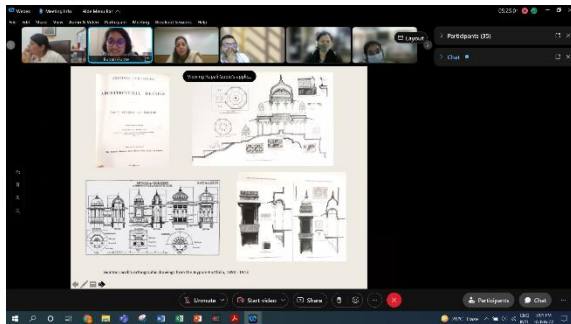
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Day 2: 16/02/2022

Guest Speaker: Ar. Rupali Gupte

Topic of Session: Dynamics of contemporary cities and Role of Architects

She laid focus on concepts of space urban form. She also talked about spatial concepts and transactional capacities. she said that an architect has to act like a curator as he must be able to comprehend that people occupy cities and residential places for comfort and convenience an architect cannot ignore the fact that people reside in different kinds of places and also on roads. Even a toilet project built by an architect must have features like hygiene and being user friendly. She said that some shopkeepers have very limited space and so multipurpose use of available infrastructure has to be considered.





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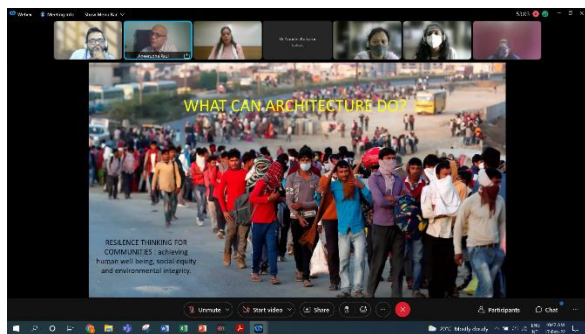
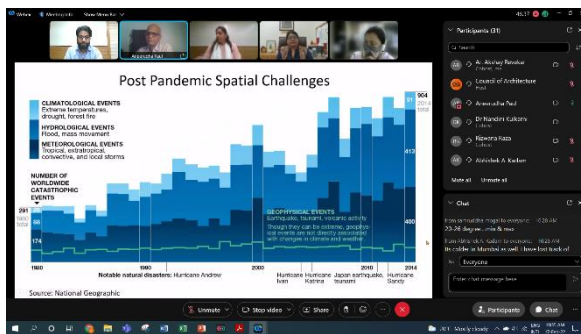
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Day 3: 17/02/2022

Guest Speaker: Anirudh Paul

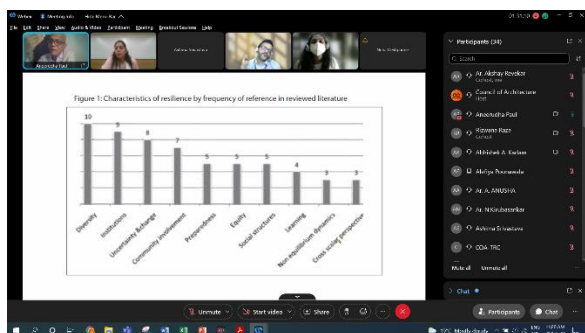
Topic of Session: Spatial Documentation- Case study

He defined the role and duties of an architect he said that the pandemic has changed our approach towards life and outer world. He laid importance on disaster responsibilities. He lamented that the gov has failed to function effectively during the Mumbai floods. And in such emergent times the role of an architect becomes very vital. He laid stress on a great bonding between ecology and livelihood in order to have a peaceful existence. He mentioned examples of Assam floods and dumping of sewage into rivers and its treatment. He also talked about urban agriculture and said that Sanjay Gandhi national park and the tribal play an important role in order to ensure an ecological balance.



Elaborating, he argued that resilience theory focuses on the maintenance of the structure and function of SES. There is no normative element in the theory since it is based on the observation of SES – observing that some systems are stable or persistent while others are not. In each case, however, systems provide ecosystem services which are desirable – drawing in questions of values as to what is desirable. Systems generating outcomes that are desirable or undesirable can be equally resilient. Furthermore, resilience may not always be desirable when it refers to undesirable structures.

In contrast, the term – vulnerability is explicitly normative, since it refers to susceptibility to harm, as measured in terms of distance from a specified undesirable threshold. While there can be tradeoffs between vulnerability and resilience approaches, treatment of the two terms as synonyms is erroneous. In addition to resilience and vulnerability approaches a third approach, combining environmental management and policy analysis, focuses on efficiency and optimality. Drawing on a recent article by Nelson et al (2007), this presentation compared the relative merits of the three approaches: Resilience and Vulnerability, Neil Adger, 2008





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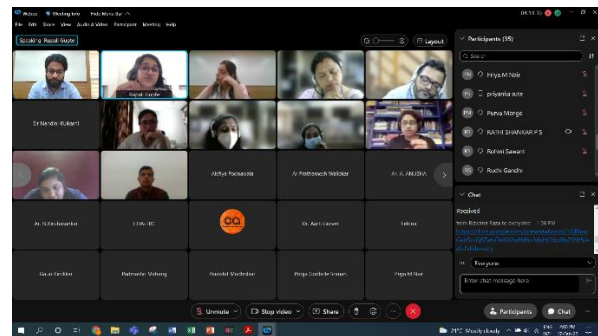
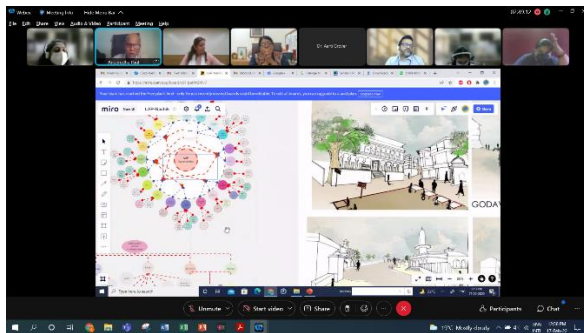
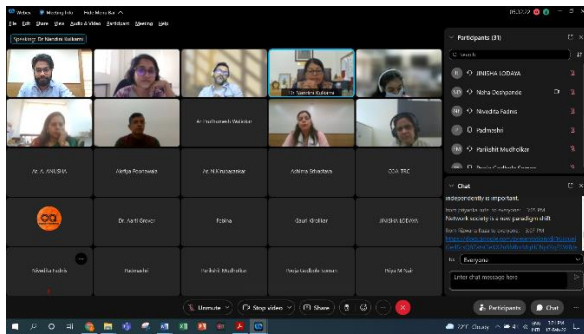
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Day 3: 17/02/2022

Guest Speaker: Ar. Rupali Gupte

Topic of Session: Post Pandemic Changes in Cities and Role of Architects

She introduced COVID glossary where the aim is to collect spatial experiences and resiliencies that have arisen during the pandemic in a COVID Glossary, this is planned as a long-term project that will be collaboratively developed by students and faculty at the SEA as well as academics from other countries in the global south. Here stories of entrepreneurial spirit, marginalisation, loss, confusion, organisation, etc will be compiled. The crisis is an indicator of the resilience of some of the most fundamental principles of human thought and puts into question the effectiveness of the systems as well as the concept of space.





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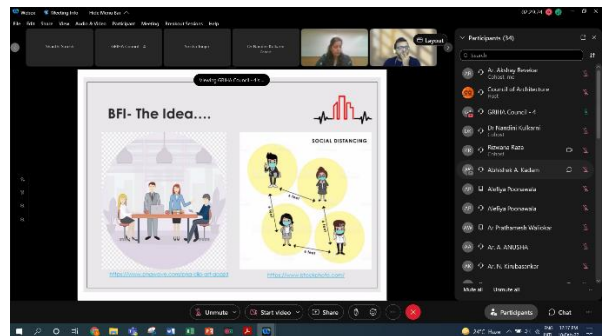
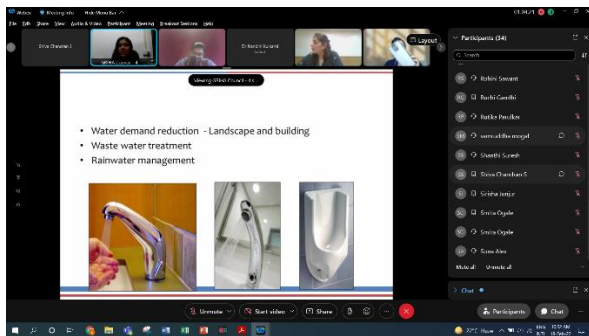
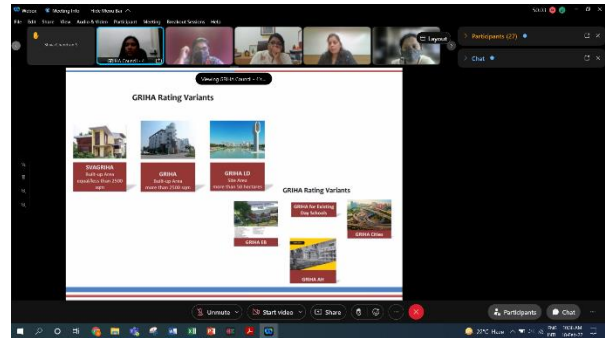
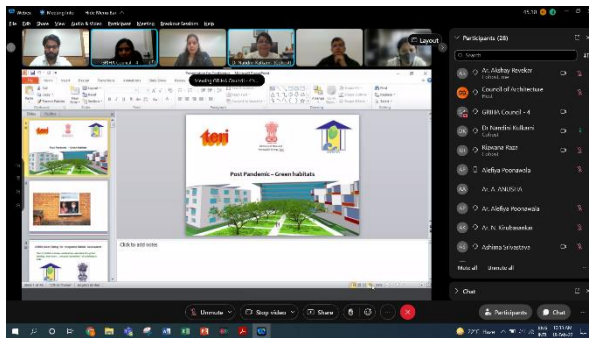
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Day 4: 18/02/2022

Guest Speaker: Ar. Swati Gupta

Topic of Session: BFI- 'Building Fitness Indicator'- A tool developed by GRIHA Council

She talked about post pandemic- green habitats. GRIHA – green rating for integrated habitat assessment. Told us how green building ratings are provided by GRIHA. Explains on what basis the ratings are given. Everything including site planning to construction and plumbing sanitation with each having certain points contributed to the rating. The objective is to emphasize on the relevance of green buildings post pandemic. SDGs (sustainable development goals) were explained in detail that are related to post pandemic times. Explained how an efficient irrigation system can be used. Shared case study of a building in Panchkula, Hareda. In which solar chimneys were placed alongside the façade. EPI energy performance index. Talked about urban heat island effect. Explained the concept of sustainable urban drainage system. Explained how to manage waste during covid as a lot of biomedical waste was generated. Then she explained about Building Fitness Indicator a self- assessment tool for organisations to measure preparedness for workplaces for workforces to prevent the exposure to covid-19, guidance of which was based on the standard practices followed across the globe like WHO and in the country (MoHFW and ISHRAE).





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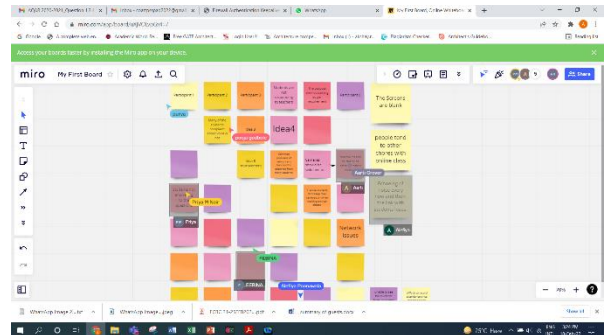
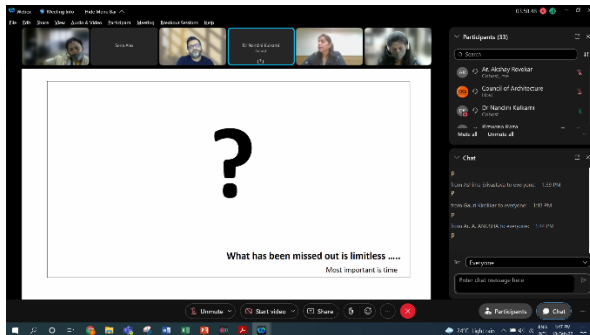
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Day 4: 18/02/2022

Guest Speaker: Dr. Nandini Kulkarni & Dr Purva Mange

Topic of Session: Challenges in education Post Pandemic

Dr. Nandini Kulkarni mentioned that the education sector was not prepared for switching over from offline to online mode of teaching so suddenly and unexpectedly. After the sudden announcement of lockdown new methodologies had to be evolved to impart teaching and to avoid any academic loss of the students the teachers had to use apps unheard of before. The teachers and the students took some time to get use to the technical aspects of the online mode of teaching. Dr. Purva said that it was a very challenging task to said the mood of the students to indulge into academic activities and so many ways were adopted to keep their interest alive. As the entire world had the shutters down they were asked to resolve to certain activities with the help of material and resources already available with them. Some ideas and ways to keep the students involved into studies may have seem to be crazy and out of the box yet they are to be regarded as relevant according to the prevailing circumstances.



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