



MANIPAL
ACADEMY of HIGHER EDUCATION
(Institution of Eminence Deemed to be University)

Report of Sustainable Cities and Communities

11 SUSTAINABLE CITIES AND COMMUNITIES

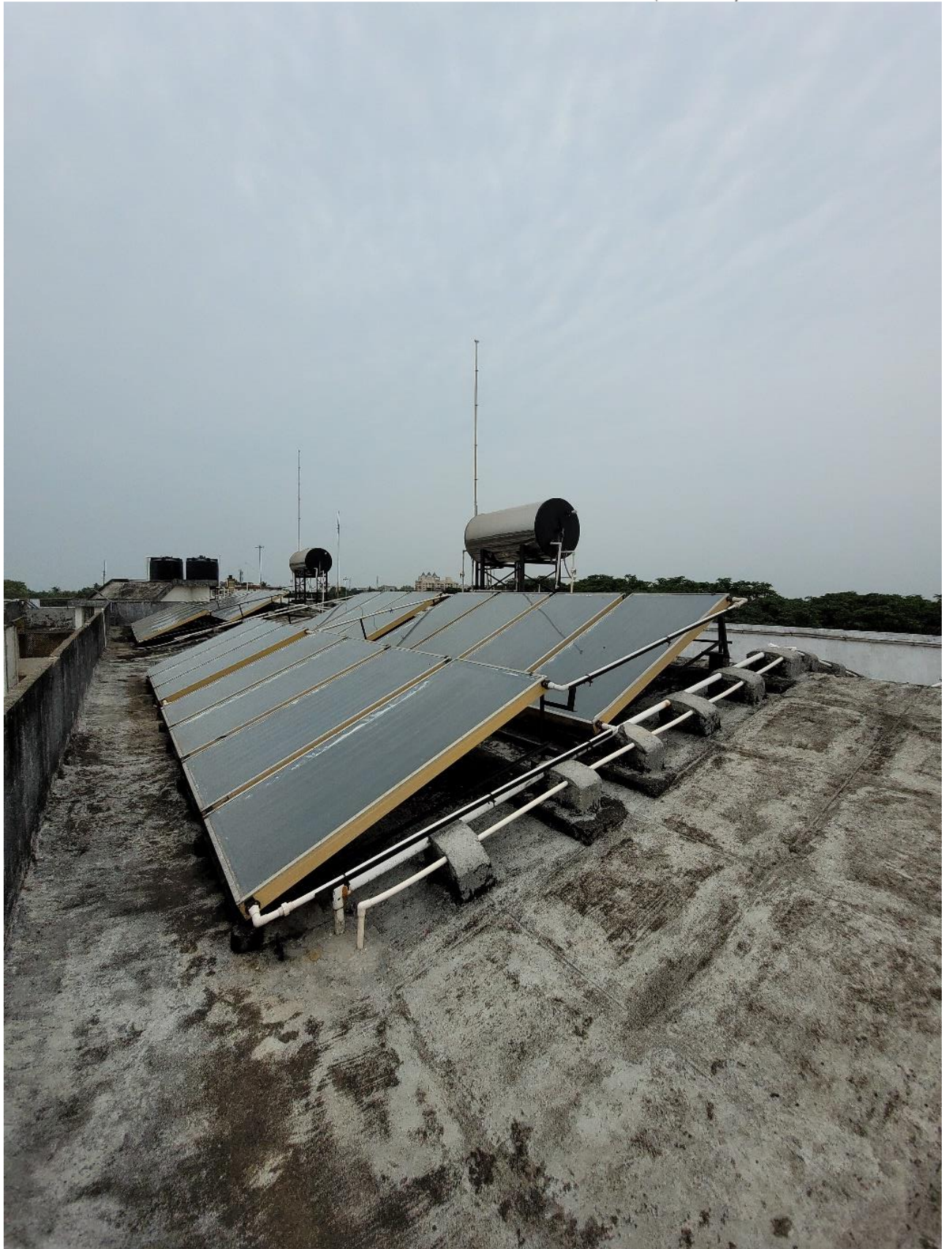




The Department of General Services, MAHE

The department of general services headed by the Director is responsible for the supervision of estates, security, and maintenance of all support services like ancillary, civil, electrical, HVAC, telecommunication, transportation fleet, plumbing, and water supply. The various branches of the department maintain approximately 92 lakh sq ft of built area and are adept at driving efficiency, managing risks and crisis to ensure smooth seamless functioning of the institutions and hospitals in multi-locations. Application of state-of-the-art technology with an eye on efficiency, cost-effectiveness, and resource conservation is inbuilt into the team's DNA. This year saw an unprecedented pandemic and the department was at the forefront of delivering essential services during the nationwide lockdown by way of ensuring transportation, sanitization services, and operational planning for the continuation of campus activities. The team facilitated post lockdown reopening of the workplace as per prescribed safety protocols.







Introduction: Civil department focuses on the repair of buildings, replacement of concrete, plaster, masonry, wood, steel structures, painting, flooring work, roofing, and manholes repairs. Ancillary services work on housekeeping, road cleaning, solid waste and garbage management, facade cleaning, pest control, horticulture, landscaping, waste management, and composting. The electrical department maintains 33/11 kV substations and 36 nos.11/0.433 kV substations and performs the critical function of a 24/7 power supply. 100 per cent backup power supply is ensured through DG sets. The inclusion of green energy is one of the priority areas of focus along with fuel efficiency. Water supply and plumbing works act on plumbing complaints, supervise and monitor water supply system, operate, and maintain sewage treatment plants and greywater treatment plants. The air conditioning department has 17 central chiller plants with 8,000-standalone equipment operating on the campus. The department contributes to effective cost savings by optimizing the use of resources and efficiency improvement. HVAC systems are upgraded phase-wise to the best available energy-efficient technology. The telecommunications department enables MAHE to communicate effectively with its constituent units via intercom and cellular services. Maintenance is pro-actively planned to deliver a high standard of service including system upgradation. The transportation fleet ensures safe and secure mobility of university staff, students, and guests.

Environment management: Environment and Energy Management Systems are well established at the two campuses located at Manipal and Mangalore. The Environment, Energy Policy is the guiding document that enables the university to achieve continual improvement over time. Consistent efforts are made in implementing best practices in the areas of water and waste management, air quality, green cover, energy, and resource management.

Waste management on campus starts with source segregation, especially at residential units, canteens, and health care facilities. Post segregation scientific management is followed for different streams like e-waste, hazardous waste, biomedical waste, metal scrap, food, garden, vegetable, organic wastes, and inerts. This year approximately 60 per cent of waste generated in the Manipal campus was diverted from landfills thus preventing pollution to soil, air, and groundwater and reducing the health affecting the local area. Refer to Fig.1. The thermocol-melting unit installed on campus ensured zero disposal of all types of thermocol into the environment and instead produced approximately 700 kg of reusable byproduct.

Mini Bottling Kiosk is a new introduction on the campus where bottled drinking water is now produced and supplied in-house. The plant produces 200 ml, 500 ml, and 1000 ml of packaged drinking water in reusable glass bottles. The 200 ml bottles have now replaced the conventional PET packaged water at meetings and conferences whereas the 500- and 1000-ml units are used in the hotel. Bulk requirements of 20 litres are also produced based on



demand. The above initiative has brought down the PET waste generation close to zero and is a cost-benefit to the university.

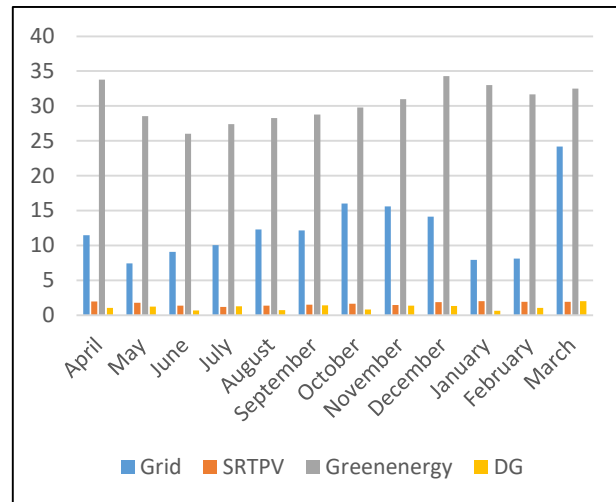
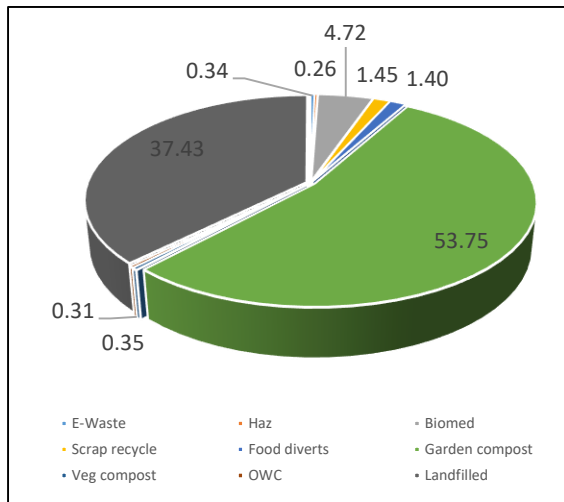


Fig1. Scientific management of waste (%) at Manipal.

Fig2. Power mix in lakh units at MAHE campuses

Wastewater generated on campus is treated in a sewage treatment plant of capacity 6.5 million litres per day (MLD) at Manipal and 0.3 MLD at Mangalore. Treated water up to the tertiary level is reused in gardens. Greywater plants of capacity 0.3 MLD provide flush water to hostels. Water resource conservation is a continuous process with efficiency improvement by line loss monitoring and harvesting of rainwater to help groundwater recharge.

Energy management system was formally implemented in the year 2016 at the Manipal campus followed by implementation at Mangalore in the year 2019. Key focus areas are maximum load reduction, the introduction of measures to improve the quality of power by replacement with energy-efficient transformers, pumps, detuned filters for capacitor banks, CFL/LED lighting, auto-synchronization panels for load optimization and energy-efficient power equipment as certified by Bureau of Energy Efficiency (BEE). In the HVAC systems, the replacement of dated air-conditioning units with power-efficient units were undertaken phase-wise. Central air conditioning systems incorporating water-cooled screw chillers, and unitary air-conditioner controls with automation systems for buildings with sensors are incorporated. For efficient cooling, automatic switching on and off depending on occupancy or fixed schedule is installed to replace old systems. MAHE continues to fully rely on solar hot water systems for hot water use on campus and has phase-wise introduced heat pumps to further improve efficiency. Solar Rooftop Photovoltaic (SRTPV) installed capacity is 1463 kWp. Around 70 per cent of the electricity used on campuses is from a green source, as depicted in Fig2 above. The energy-monitoring hub (EMH) helps in centralized monitoring of all sub-stations on campus as well as the air conditioning plants on campus. Real-time data availability helps in efficient monitoring and troubleshooting during breakdown incidents. This platform can be further enhanced to integrate remote controls from the EMH.

Ambient air quality (AAQ) is recognized as an important environmental indicator for human health. Six AAQ parameters measured show significantly lower concentrations compared to Central Pollution Control Board (CPCB) standards (STD) for residential zones (Fig3 below) and are much lower than those specified for ecologically sensitive zones which are more stringent.

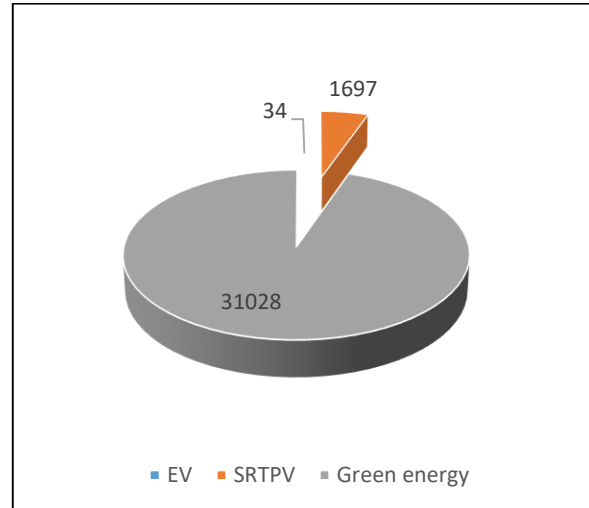
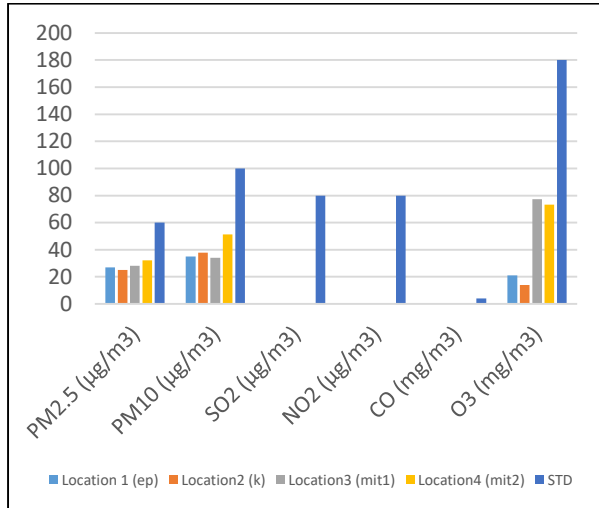
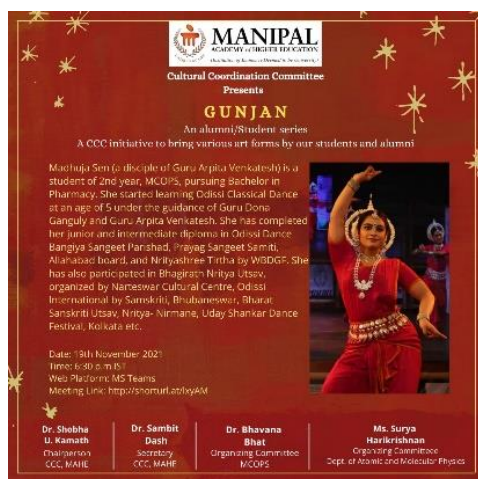


Fig 3. AAQ Vs CPCB Standards at 4 locations

Fig 4. CDE Emission reductions in MT.

The pleasant ambience of the campus is maintained and developed through a plantation of saplings during various occasions, one of them being the world environment day on 5 June as well as on a continuous basis. MAHE recognizes that vehicular emissions significantly affect the air and hence utilizes four fully electric vehicles (EVs) for airport transfer of students, staff, and guests. This year 70 per cent of the airport trips were catered to by EVs, two security patrol vehicles are now EVs, and this has helped to offset 100 per cent carbon emissions that would have otherwise occurred due to conventional patrol vehicles. In addition, one electric three-wheeler load carrier has offset carbon emissions up to one metric ton.

Carbon emission reduction: Strategies adopted like the use of exam pads, an electronic device for examinations replacing conventional answer scripts, have saved 113 trees from being felled. Green energy use on campuses accounts for 70 per cent of total consumption thus reducing 31,028 MT of CDE emissions and self-generated solar power prevented 1,697 MT of CDE emissions into the atmosphere. Total CDE emission reductions including electric vehicles (EV) are projected in Fig4 above. This year the UI Green Metric Ranking Agency ranked MAHE as the greenest suburban campus in India, 137th in the overall category and 47th in the suburban category.



Odissi by Madhuja Sen (26 November 2021) Madhuja is a student in second-year, MCOPS, pursuing a bachelor's in pharmacy. She started learning Odissi Classical Dance at an age of five under the guidance of Guru Dona Ganguly and Guru Arpita Venkatesh. She has completed her junior and intermediate diploma in Odissi Dance Bangiya Sangeet Parishad, Prayag Sangeet Samiti, Allahabad board, and Nrityashree Tirtha by WBDGF. She has also participated in Bhagirath Nritya Utsav, organized by Narteswar Cultural Centre, Odissi International by Samskriti, Bhuvaneshwar, Bharat Sanskriti Utsav, Nritya-Nirmane, Uday Shankar Dance Festival, Kolkata etc.

KMC Manipal

Cultural Activities:

In Institution:

Sl. No.	Event	Details	Date(s)
Critical Care			
1	Slogan writing competition as a part of project Nasha Mukta Udupi Abhiyan by involving young leaders of MAHE 2021-2022	Participant - Dr Margiben Tusharbhai Bhatt	26 June 2021
KMC Office			
1	Cultural Week: Exploring the cultural	Participant - Ankita Dhanuka, sixth-semester MBBS	26 July 2021



	talents and featuring some best on our Instagram page @cultcomkmc		
2	VERVE - An intra-college fest of KMC	Participant - Ankita Dhanuka, sixth-semester MBBS	7 June 2021
3	ONCORE Hybrid intercollegiate fest of KMC	Participant - Ankita Dhanuka, seventh-semester MBBS	25 October 2021
OTO Rhino Laryngology			
4	Department skit performance – solo	Participants – Dr Anusha Shetty, Dr Rohit Singh, and Dr Ajay Bhandarkar	11 June 2021

MCODS Manipal

Cultural Activities:
In Institution:

Sl. No.	Event	Details	Date(s)
1	Celebration to mark Independence Day	Malang, the dramatics club presented a street play, patriotic songs were rendered by the music club and the dance club presented all the regional dance forms of India to spread the message of national integration	14 August 2021

MSON



Sl. No.	Event	Details	Date(s)
1	Annual day and Lamp Lighting ceremony 2021	Annual Day and Lamp Lighting of MSON, MCON, MAHE was held on Friday, 5 March 2021. Mrs Shamantha H S Principal, Ashrith School of Nursing, Kota, the chief guest for the day's program congratulated students who lit the lamp. She addressed the importance of lighting the lamp. She also said, "Nursing is the work of heart and care is the essence of nursing".	05 March 2021

MCHP




Cultural Activities:

In Institution:

Sl. No.	Event	Details	Date(s)
1	Talk on India's Freedom struggle – Amruth ka Mahotsav 	The student affairs committee of MCHP, MAHE organized a virtual event on the occasion of Azadi ka Amrut Mahotsav. The speaker for this event was Professor Varadesh Hiregange, Director, Gandhian Centre for Philosophical Art. Mr Binoy, Assistant Professor, MCHP, MAHE welcomed the gathering. Mr Sainath, Assistant Professor, MCHP, MAHE introduced the speaker for the event. The talk was conducted virtually via the MS Teams platform. Around 100 participants including students and faculties attended the session. Professor Varadesh Hiregange highlighted on the topic "India's Struggle for Freedom". Dr Krishna Y, Associate Dean, MCHP, MAHE proposed the vote of thanks. Simultaneously, students were also involved in the Essay competition. The theme for the competition was "India's Freedom Struggle". This was conducted via offline mode in Sharada Hall, following the COVID-19 preventive measures.	12 March 2021
2	One Student One Tree 	As per the directives of the University Grants Commission (UGC) to conduct an event in order to bring awareness about the importance of trees to Mother Earth amongst students, the Welfare Committee decided to conduct a program named "ONE STUDENT ONE TREE", wherein the students had to plant a sapling and send a selfie along with the sapling. It was an online program for all the students of MCHP as a part of World Earth Day which was on 22 April 2021. Thus, the flyer to announce the event was made and released on 17 April 2021, which mentioned the details of the program along with the last date of submission as 22 April 2021. As the last day of submission was approaching, a reminder of the event was sent out on 21 April 2021. With a motive to increase the number of saplings planted by the students, it was decided to conduct this program for a longer duration. Thus, the flyer was circulated again on 10 May 2021, and 5 June 2021 as a part of World	17 April 2021



		<p>Environment Day. Within the given time period, the students planted saplings and sent their photos to the college. We have received a total of 27 photos from the students. Overwhelmed by the response, the Student Affairs Committee and the Student Council had planned to circulate the images received in the form of a collage on social media to applaud the participants and encourage other students to participate in online events conducted by the college. Thus, the collage was circulated on 6 July 2021.</p>	
3	<p>Talk on Environmental Problems and Ecosystem Restoration</p> 	<p>The talk on Environmental Problems and Ecosystem Restoration began with a small introduction on the purpose of the talk by Neha Menon after which she invited Chirag Girish to welcome the attendees. Mr Sainath then introduced the guest speaker, Dr K Balakrishna who is a Professor of Geology in the Department of Civil Engineering at MIT, MAHE. Sir spoke eloquently on the common problems faced by the environment and how we also contribute to this without our knowledge. The talk took everyone through everyday activities that degrade the ecosystem as well as the different solutions to reverse the current situation. He covered a variety of topics that include a decade of ecosystem restoration, climate change, water conservation and management, solid waste management, energy conservation, etc. His slides were informative and included many images and videos that reiterated his points. His talk concluded with a few basic steps each of us could take to help restore the ecosystem around us. After which an interactive session allowed attendees to ask questions and clear doubts. Adhip Nadkarni ended the session with the Vote of Thanks.</p>	3 July 2021

MSAP

Institutional Activities/Curricular Activities


All other activities in the department relating to the program/course:



Sl. No.	Activity	Particulars	Date(s)
1	Conference attended by faculty	The International Conference on Technologies for Smart Green Connected Societies 2021 was organized by SPAST Foundation. This conference was based on the United Nation's Sustainable Development Goals. International universities and researchers participated and presented their research work related to the theme of the conference. The conference was conducted on 29 and 30 November 2021 through online mode. Targeted SDGs: Research work on any SDGs.	29 November 2021 to 30 November 2021

Details of Guest Visit (lectures, collaboration, visitors on campus)


Guest Lectures:

Sl. No.	Visitor	Name of the Organization	Purpose of Visit	Date of Visit
1	Ar Nikita Verma 	Chief-in-Ideation, Ethos	Design Matters-Lecture Series by Ar Suprio Bhattacharjee, and Ar Nikita Verma, for students and faculties of BArch, MArch at MSAP, Manipal through online mode. Ar Suprio Bhattacharjee introduced the term "Empathy and Architecture" with his unique presentation skills and their implication in various contexts. Ar Nikita Verma presented on Climate Resilient Cities considering the case of Chennai, Jakarta and Singapore. Around 15 faculties and 50 students participated in the same. Outcomes of the program were Ar Suprio Bhattacharjee briefed on how the term "Design Thinking" has become pervasive amongst design practitioners and in curricular of design schools. But what does this term really mean, or rather, stand for, and what does this imply for the discipline of architecture – now one amongst the many spatial disciplines. This talk attempted to delve into a significant aspect of this subject or "term" – that of empathy and the importance of being "empathetic" while operating within the built environment - and will seek to investigate and illustrate how this plays out or has played out - in our thinking or conception of architecture and physical space-creation – through the use of	20 January 2021



			<p>historical examples as well as contemporary ones. Ar Nikita Verma explained the complexity of building resilience to climate change considering the cases of some of the rapidly growing cities like Chennai, Jakarta, and Singapore. The presentation included right from micro-steps to permeable pavements and naturally ventilated homes to macro measures such as planning and policy level changes, and how climate resilience to be integrated into our urban development goals.</p>	
2	<p>Suprio Bhattacharjee</p>  <p>11 SUSTAINABLE CITIES AND COMMUNITIES</p>	<p>Architect, Writer/Critic, and Pedagogue, Studio Director of Chennai-based architecture RED</p>	<p>Design Matters-Lecture Series by Ar Suprio Bhattacharjee, and Ar Nikita Verma, for students and faculties of BArch, MArch at MSAP, Manipal through online mode. Ar Suprio Bhattacharjee introduced the term “Empathy and Architecture” with his unique presentation skills and their implication in various contexts. Ar Nikita Verma presented on Climate Resilient Cities considering the case of Chennai, Jakarta, and Singapore. Around 15 faculties and 50 students participated in the same. Outcomes of the program were Ar Suprio Bhattacharjee briefed on how the term “Design Thinking” has become pervasive amongst design practitioners and in curricular of design schools. But what does this term really mean, or rather, stand for, and what does this imply for the discipline of architecture – now one amongst the many spatial disciplines. This talk attempted to delve into a significant aspect of this subject or “term” – that of empathy and the importance of being “empathetic” while operating within the built environment - and will seek to investigate and illustrate how this plays out or has played out - in our thinking or conception of architecture and physical space-creation – through the use of historical examples as well as contemporary ones. Ar Nikita Verma explained the complexity of building resilience to climate change considering the cases of some of the rapidly growing cities like Chennai, Jakarta, and Singapore. The presentation included right from micro-steps to permeable pavements and naturally ventilated homes to</p>	<p>20 January 2021</p>



			macro measures such as planning and policy level changes, and how climate resilience to be integrated into our urban development goals.	
3	<p>Ms Swati Puchalapalli</p>  <p>11 SUSTAINABLE CITIES AND COMMUNITIES</p>	<p>Director, TerraViridis Environmental Design Consultancy</p>	<p>Expert Lecture by Ms Swati Puchalapalli on the topic Sustainable Design Development for BArch third-year students online through MS Teams. Guest lecture on building high performance and thermal comfort in the design process of all design phases especially delivered to fifth-semester students as part of syllabus in ADD-V course of BArch and MDes sustainability students. The guest lecture by Ms Swati Puchalapalli is mainly about High performance and High Comfort design – A data-driven design process from an early design stage to detailed design. This guest lecture provided a deep understanding of performance based design approaches like reducing energy demand through passive building design strategies, increasing efficiency of systems, integrating renewable energy systems, sustainable design approach with analysis of total energy consumption of a building, briefing of all design parameters that should be considered at early design phases, passive design strategies and few more details regarding wind flow analysis in a residential and commercial building. These techniques delivered in this guest lecture are great learning to students towards a sustainable approach to building design. Outcomes of the program: The outcomes of the guest lecture include great learning to the students in aspects of the sustainable design approach, performance-based design approach, thermal comfort analysis, passive design strategies of a building, wind flow and lighting analysis, design development of external spaces, solar radiation and shading studies, façade design development and UTCI analysis. This lecture helps to improve the students' understanding, of course, ADD-V environmental design and outcomes of learning can be reflected in their individual design project portfolios. Around 10 faculties and 161 students participated.</p>	<p>27 August 2021</p>




4	<p>Mr Kavas Kapadia</p> 	Architect Planner from SPA New Delhi	Mr Kavas Kapadia gave expert lectures for BArch and MArch UDD students in online mode on the topic "Sustainable City". Outcomes of the program were students were able to use varied and valuable comments of an expert. Students were able to connect and interact with Professor Kavas Kapadia regarding sustainability. Three faculties and 200 students participated in the same.	17 September 2021
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Photo gallery

3. Ar Sumedha Sah gave an expert lecture on the topic "Masters in Sustainable Architecture" and her experiences in various projects for BArch. and fourth-year and fifth-year and BDes (ID) students in online mode on 14 August 2021.

MSIS

Extra-Curricular Activities:

Cultural Activities:

In Institution:


Sl. No.	Event	Details	Date(s)
1	Ethnic Day	The ethnic day was conducted to commemorate the diversity of India and students were asked to represent their state and culture. They also discussed their culture and strength of diversity.	11 December 2021
2	Photobooth Competition	A photobooth competition was conducted with each class representing one state.	11 December 2021
3	Painting and Sketch Competition	Conducted Painting and Sketch competition as a part of AZADI Ka Amruth Mahotsav under the topic "Freedom"	08 November 2021



MIM


Institutional Activities/Curricular Activities

All other activities in the department relating to the program/course

Sl. No.	Activity	Particulars	Date(s)
1	Diwali Celebration 	To commemorate Diwali, the leadership club held a variety of events within the college around the theme of the festival of lights. This event was notable as being the first one that had juniors present to observe and participate. To bring the spirit of the festival into the celebrations, all students were dressed in traditional clothing. This along with the Diwali themed events really brought the festival into the campus for the day. The events held were Quiz Event, Rangoli Event and Collage Event.	2 November 2021

Cultural Activities:

In Institution:

Sl. No.	Event	Details	Date(s)
1	Dance Competition 	Rithika and Srineha were put in charge of managing the event and came up with a list of rules and regulations which were then disseminated to the students who registered via the google forms shared on 10 October 2021. The form was sent to both MIM and DOC departments. The registrations were kept up till 20 October and MIM Alumni Meghana Nayak was chosen to be the judge. A total of 11 responses were received out of which four were from DOC. The registered contestants were added to a group for communication as mentioned above. They were given five days to submit their videos. Out of 11 contestants, eight had submitted the video. One among them was disqualified due to non-compliance with the rules and regulations.	10 October 2021



DOC


Institutional Activities/Curricular Activities

All other activities in the department relating to the program/course:

Sl. No.	Activity	Particulars	Date(s)
1	Daan Utsav	On 1 October 2021, in Namma Bhoomi, Kundapura Udupi, the DOC MAHE launched their first Daan Utsav project, "Gyaan Daan", a financial literacy program. Members of the Volunteer Services Organization (VSO) gave demonstrations on a variety of financial topics, including banking, insurance, and investing. The accumulation of plastic in our oceans and on our beaches has turned into a worldwide disaster. Each year, thousands of seabirds, sea turtles, seals, and other marine mammals die due to swallowing or being entangled in plastic. In response, DOC MAHE's second Daan Utsav project, "Cleanotsav", a beach cleanup drive, was organised on 3 October at Padukere beach in Malpe, Udupi. VSO members and faculties from DOC were actively involved in the event	1 October 2021 to 3 October 2021

Cultural Activities:

In Institution:


Sl. No.	Event	Details	Date(s)
1	Symphony-Solo Singing competition  SUSTAINABLE CITIES AND COMMUNITIES	Symphony-Solo singing competition held on 4 August 2021 on the occasion of the 75th year of Indian Independence-on the theme "Indian Independence Indian Heritage"	4 August 2021

DOD

Institutional Activities/Curricular Activities


All other activities in the department relating to the program/course:




Sl. No.	Activity	Particulars	Date(s)
1	Guest lecture- BDes (FD) and MA (FM) 	<p>The purpose of the guest lecture is to introduce sustainable concepts through zero-waste design. The speaker, Designer Uma Lakshmi Rachakonda emphasized the need for sustainable approaches in the fashion industry. The fashion industry contributes to approximately 20 per cent of global waste and 10 per cent of global carbon emissions making it the biggest polluter in the world only next to the oil industry (UNEP 2018). The following outcomes are achieved through the guest lecture: 1. Sensitizing students to think of different strategies such as zero-waste fashion, upcycling, design for disassembly etc, would help in moving towards green fashion.</p> <p>2. Understand the application of zero-waste fashion through designing, planning for garment construction, layout for zero-waste and construction of zero-waste garments.</p> <p>3. Address the Sustainable Development Goal -SDG12 of sustainable consumption and production.</p>	11 September 2021

Details of Guest Visit (lectures, collaboration, visitors on campus)

Guest Lectures:

Sl. No.	Visitor	Name of the Organization	Purpose of Visit	Date of Visit
1	Ms Wendy Yothers 	Assistant Professor, Jewellery Design, Fashion Institute of Technology, New York	Expert Lecture by Ms Wendy Yothers on the topic "From Inspiration to Wearable Art. Using our passion, our cultural heritage, and the spirit of our times to create expressive, wearable art" for BDes (FD), fourth-semester/BDes (ID), fourth-semester (For the students who have opted for elective Fashion Accessories) through online mode. The online session on "From Inspiration to Wearable Art. Using our passion, our cultural heritage, and the spirit of our times to create expressive, wearable art" by Ms Professor Wendy Yothers was very informative. The valuable inputs on the design process from concept to design and product development have helped give a clear idea of the design development process and how to integrate novelty and creativity in designs.	28 February 2021



			Outcomes of the program were online sessions which have enabled our students to have a clear idea of the design process from developing the design from concept to wearable art. Nine faculties and 38 students participated.	
2	Dr Neeru Jain	HOD and Associate Professor, Department of Jewellery Designing, IIS (Deemed to be University), Jaipur 	Guest Lecture by Expert Dr Neeru Jain, HOD and Associate Professor, Department of Jewellery Designing, IIS (Deemed to be University), Jaipur on the topic: "Jewellery making by beading art" for BDes (FD), fourth-semester students through online mode. Lecture on Beading Art- the basics and fines of jewellery making and beading art, tools and the usage of tools and a small online demonstration on a beading art. Two faculties and 25 students participated. Outcomes of the program were at the end of the lecture and demo, the students were able to create, appreciate and critique this art form, in terms of content, material and skill. Further, the students were also able to use this skill in order to do the work when needed.	27 March 2021

MCBP


Sl. No.	Visitor	Name of the Organization	Purpose of Visit	Date of Visit
1	Prasad Cherkady	Freelance actor, filmmaker, Yakshagana dancer, choreographer, and singer	Online guest talk on "Yakshagana" for IPM Immersion Edition 2021	29 September 2021

MIC



Details of Guest Visit (lectures, collaboration, visitors on campus)




Guest Lectures:

Sl. No.	Visitor	Name of the Organization	Purpose of Visit	Date of Visit
1	Manik Premchand 	Mumbai	Talk on the Evolution of music in Hindi Cinema	4 June 2021

MCES

Details of Guest Visit (lectures, collaboration, visitors on campus)



Guest Lectures:

Sl. No.	Visitor	Name of the Organization	Purpose of Visit	Date of Visit
1	Ms Nitika Srivastava 	Senior Writer and Researcher, Consortium of Indo-Pacific Researchers, Alabama, USA	Special Lecture-From Cooperation to Contestation: Geopolitics of EU-Russia Relations (Online)	14 April 2021
2	Dr Francisca Hoyer, 	Stockholm, Sweden	Special Lecture-Relations of Absence: Germans in the East Indies and their Families c.1750-1820 (Online)	25 May 2021
3	Dr Margarita Starkeviciute 	Former MEP	Special Lecture-Strategic Autonomy and EU's Foreign Trade Agreements	17 June 2021



4	Mr Michael Hindley 	Former Member of the European Parliament (MEP)	Special Lecture-European Parliament's Journey from a Consultative Assembly to Co-Legislator	28 October 2021
5	Ms Birgit Daiber 	Former Member of the European Parliament (MEP)	Special Lecture-Left Politics in the European Union	7 December 2021

Books/chapters authored by faculty members:


Sl. No.	Name of the Book	Chapter(s) name (if authored, chapters only)	Faculty members	Publisher	Date
1	Contours of India-EU Engagement: Multiplicity of Experiences 	Europe, Christendom and its Encounter in India: The Missionary Experiences in Karnataka	Sharal T Correa and Dr Denis Fernandes	Manipal Universal Press	30 April 2021
2	Contours of India-EU Engagements: Multiplicity of Experiences (eds) 	Knowledge Diplomacy in Action: Delineating Educational Connect in India-EU Engagements	Neeta Inamdar Medini Hegde	Manipal Universal Press	30 April 2021



3	<p>Contours of India-EU Engagements Multiplicity of Experiences</p> 	<p>India-EU Cooperation in Commercial Aircraft Manufacturing</p>	<p>Yatharth Kachiar and Ayush Mohanty</p>	<p>Manipal Universal Press</p>	<p>30 April 2021</p>
4	<p>Contours of India-EU Engagements: Multiplicity of Experiences (eds)</p> 	-	<p>Neeta Inamdar Priya Poojary Praveen Shetty</p>	<p>Manipal Universal Press</p>	<p>1 April 2021</p>
5	<p>Contours of India-EU Engagements: Multiplicity of Experiences (eds)</p> 	<p>Constructive Engagement in Times of Strategic Confusion: Mapping India-EU Relations</p>	<p>Neeta Inamdar, Priya Vijaykumar Poojary and Praveen</p>	<p>Manipal Universal Press</p>	<p>30 April 2021</p>
6	<p>Contours of India-EU Engagements Multiplicity of Experiences</p> 	<p>Role of IHE in Knowledge Diplomacy: Challenges to Building Bridges between Universities in India and Europe</p>	<p>Pranjali Kirloskar Neeta Inamdar</p>	<p>Manipal Universal Press</p>	<p>30 April 2021</p>



Books/chapters authored by faculty members:

Sl. No.	Name of the Book	Chapter(s) name (if authored, chapters only)	Faculty members	Publisher	Date
1	EU-India Relations  SUSTAINABLE CITIES AND COMMUNITIES	India's Climate Diplomacy Towards the EU: From Copenhagen to Paris and Beyond	Dr Dhanasree Jayaram (co-author)	Springer	31 December 2021

DOL

Extra - Curricular Activities:

Cultural Activities:



In Institution:

Sl. No.	Event	Details	Date(s)
1	International Mother Language Day 2021: BYOB 3.0	The International Mother Language Day 2021 was celebrated in the Department of Languages, aligned with the year's theme: "Fostering multilingualism for inclusion in education and society". It resonated strongly with the developments in India, the new NEP 2020 to engage in the cause of promoting multilingualism whilst sustaining the mother tongues. The series of events started online and incorporated into the lectures touching upon the theme. The final events such as Bhasha Sangralaya, DoL ka Dhaba, Bhasha Visheshha, Know Your Bhasha, and a fun-filled afternoon was held at the Department on the 26 February 2021.	21 February 2021

Gandhian Centre for Philosophical Arts & Sciences

All other activities in the department relating to the program/course:








Sl. No.	Activity	Particulars	Date(s)
1	A certificate program in Yakshagana appreciation 	A certificate program in Yakshagana appreciation: Yakshagana is a traditional art form, primarily performed in Coastal Karnataka and Malnad region. It is a complete theatre art in the sense it makes use of instrumental music, songs, dance, dialogues and rich costumes.	1 January 2021 to 31 December 2021
2	MA Ecosophical Aesthetics 	First, of its kind, this is a two-year program to fulfil the need for “art writers”. It is essentially “art journalism from an ecosophical perspective”. Ecosophy combines ecology and philosophy. The program includes a philosophical appreciation of all art forms - music, dance, literature, theatre, cinema, and painting, among others, with a focus on writing with ecosophy being the connecting thread. Any individual with graduation or equivalent degree can take up this program.	1 January 2021 to 31 December 2021

Details of Guest Visit (lectures, collaboration, visitors on campus)

Guest Lectures:

Sl. No.	Visitor	Name of the Organization	Purpose of Visit	Date of Visit
1	Jayant Kaikini 	Eminent writer	Tattvankura-International Students' Festival	27 May 2021
2	T M Krishna 	Renowned Vocalist	Tattvankura-International Students' Festival	28 May 2021



3	Mr Sudheendra Kulkarni  SUSTAINABLE CITIES AND COMMUNITIES	Eminent Journalist and Political Commentator	International Conference on Ecosophy, Art and Peace (ICEAP)	3 June 2021
4	Professor Manu Chakravarthy  SUSTAINABLE CITIES AND COMMUNITIES	Eminent culture critic and author	International Conference on Ecosophy, Art and Peace (ICEAP)	4 June 2021
5	Professor Bashabi Fraser  SUSTAINABLE CITIES AND COMMUNITIES	Scottish Centre of Tagore Studies, Edinburgh Napier University	International Conference on Ecosophy, Art and Peace (ICEAP)	4 June 2021
6	Professor Shreeraj Gudi  SUSTAINABLE CITIES AND COMMUNITIES	Manipal Institute of Communication	Seminar on "Building Peace through Environment Conservation"	15 September 2021
7	Dr Nandakishor  SUSTAINABLE CITIES AND COMMUNITIES	Department of Geopolitics and International Relations, MAHE	Seminar on Multiculturalism and Peace Building	22 September 2021
8	Dr Chandan Gowda	ISEC, Bengaluru	Seminar on "Hind Swaraj in our Times"	2 October 2021



	 11 SUSTAINABLE CITIES AND COMMUNITIES			
9	 11 SUSTAINABLE CITIES AND COMMUNITIES	Mamatha Rai Kadike Trust, Karkala	Sustainable Lifestyle conservation	18 October 2021
10	 11 SUSTAINABLE CITIES AND COMMUNITIES	Professor Manu Chakravarthy Cultural Theorist and Author	Seminar on "Art and Peace"	23 October 2021

Extra - Curricular Activities:

Cultural Activities:

In Institution:




Sl. No.	Event	Details	Date(s)
1	Cultural Day	Cultural Day was held at GCPAS	14 December 2021
2	Independence Day	Celebrated the spirit of independence	16 August 2021

MCH



Details of Guest Visit (lectures, collaboration, visitors on campus)




Guest Lectures:

Sl. No.	Visitor	Name of the Organization	Purpose of Visit	Date of Visit
1	Dr Max Katz 	Music at the College of William and Mary, Williamsburg.	The Manipal-Samvaad Centre for Indian Music hosted within the MCH campus launched a monthly lecture series, Conversations in Musicology on 27 August 2021. The first session, "Textuality, Orality and Tradition in Hindustani Music" featured distinguished musicologists Dr Dard Neuman and Dr Max Katz discussing their work in the field of Hindustani Music and was attended by esteemed dignitaries, including the scholar-musician Irfan Muhammad Khan and Tabla soloist Pandit Aneesh Pradhan.	27 August 2021
2	Dr Dard Neuman 	Music at the University of California, Santa Cruz and the Hasan Endowed Chair in Classical Indian Music.	The Manipal-Samvaad Centre for Indian Music hosted within the MCH campus launched a monthly lecture series, Conversations in Musicology on 27 August 2021. The first session, "Textuality, Orality and Tradition in Hindustani Music" featured distinguished musicologists Dr Dard Neuman and Dr Max Katz discussing their work in the field of Hindustani Music and was attended by esteemed dignitaries, including the scholar-musician Irfan Muhammad Khan and Tabla soloist Pandit Aneesh Pradhan.	27 August 2021
3	Dr Ritajyoti Bandyopadhyay 	Indian Institute of Science Education and Research (IISER), Mohali	National Conference: Reflections on Politics and the Political - The first session was titled, "The Political Site", focusing on politics as a site and space. This session, moderated by PhD scholar Raghu Menon of MCH, invited Dr Ritajyoti Bandyopadhyay, Assistant Professor of Humanities and Social Sciences at Indian Institute of Science Education and Research (IISER), Mohali, Dr Ranjana Saha	13 September 2021



			(Postdoctoral Fellow at MCH) and Dr Mohamed Shafeeq Karinkurayil (Assistant Professor at MCH) to share their papers on this theme.	
4	Rochelle Pinto  SUSTAINABLE CITIES AND COMMUNITIES	Research Fellow at L'Institut d'Études Avancées, Nates, France	Ethnography and the Colonial Novel - A Public Talk by Rochelle Pinto She was a Research Fellow at L'Institut d'Études Avancées, Nates, France from 2019 to 2020 and at the Nehru Memorial Museum and Library, in New Delhi, from 2015 to 2017, examining Land and Narrative – the culture of the economy in colonial Goa. She held a research fellowship at the Centre for the Study of Developing Societies, CSDS, in Delhi in 2014 and prior to that, taught literature at Delhi University from 2010 to 2014. She is the author of Between Empires - Print and Politics in Goa (2007, Oxford University Press), a book theorizing the nature of linguistic politics, print production and colonial rule through the experience of Portuguese colonialism in the nineteenth century Goa. She co-directed the project Archive and Access when she taught in Bangalore at the Centre for the Study of Culture and Society between 2005 and 2009. She takes part in the project Pensando Goa which focuses on literature in Portuguese emerging from Goa, and is on the Scientific Committee of the project, "Politics and Culture in Colonial Periodical Press". She was born in India, in Bombay, graduated from St Xavier's College with English literature, completed her Master's program at the Centre for Linguistics and English at Jawaharlal Nehru University and her PhD at the Department of Languages and Cultures of South Asia at SOAS, London in 2003.	8 October 2021



5	<p>Dr Suparana Sengupta</p>  <p>11 SUSTAINABLE CITIES AND COMMUNITIES</p>	<p>Holds a doctoral degree in history from the University of Delhi</p>	<p>On 28 October 2021, MCH conducted a public lecture on “The Swadeshi Movement in 1905”, where Dr Suparana Sengupta addressed the repressive measures taken by the colonial government against the people in the mass protest. The public lecture was titled “The Swadeshi Movement and Repressive Colonial Law”. The talk was held online on Microsoft Teams with an introduction by Dr Ranjana Saha who warmly welcomed Dr Sengupta, faculty, students, and guests outside of MAHE.</p>	<p>28 October 2021</p>
6	<p>Mr Ravikumar Kashi</p>  <p>11 SUSTAINABLE CITIES AND COMMUNITIES</p>	<p>An artist who works in different mediums such as painting, sculpture, photography and installation</p>	<p>Visual City Artist Talk by Mr Ravikumar Kashi conducted by HGAC.</p>	<p>29 October 2021</p>
7	<p>Professor Martin Clayton</p>  <p>11 SUSTAINABLE CITIES AND COMMUNITIES</p>	<p>Ethnomusicology at Durham University</p>	<p>Exploring rhythm in Hindustani music: Theories, methods and disciplines - The Manipal-Samvaad Centre for Indian music hosted its second lecture in a series of conversations on the musicology of Hindustani Khayal music on 26 November 2021. The series hopes to bring together musicologists and thinkers who address the Khayal genre through a diverse set of scholarly and performative approaches such as the Euro-American idiom of academic writing as well as the Indian idiom of performative scholarship. Srijan Deshpande, trustee of the foundation and doctoral scholar at MCH elaborated on the foundation’s efforts in archiving and digitization and invited the audience to browse through the catalogue which the centre has made available online. He invited Professor Martin Clayton to present the lecture “Exploring rhythm in</p>	<p>26 November 2021</p>



			Hindustani music: Theories, methods and disciplines”, which was followed by a lively Q&A which drew in many enthusiasts and dignitaries including noted table player Pandit Aneesh Pradhan.	
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Srishti Manipal Institute of Art, Design and Technology (SMI)

About Institution/School:

Srishti is a visionary, experimental and curatorial institute of design, media arts and sciences that offers design education at the undergraduate and postgraduate levels. Srishti, as an institute, constantly seeks out new areas to work in and new ways to work in them, offering our learners a perpetually changing environment to navigate through. This usually results in small to large innovations that help reveal, understand, communicate and resolve some of the contemporary questions, issues and concerns facing today’s society and culture, today. Srishti promotes transdisciplinary platforms as modes of enquiry and creative action, not only within the disciplines of art and design but also in the social and natural sciences, business and law, to name a few. This fosters explorations in cultural and contextual diversity, nature, technology, community, commerce, the traditional and the avant-garde.

Srishti responds to the needs and opportunities as they emerge in the world. Design education remains the core activity, while our work and community extend into diverse areas of research, curation and practice. The nature of the institute draws artists, teachers, practitioners and researchers from within India and across the globe to interact and share knowledge in emergent fields of art-science, design-business, technology, law and design, and research in other emerging cross-disciplinary areas. We also have many visiting artists and faculty from India and abroad as well, to engage in transdisciplinary modes of enquiry, thinking, doing and making. Towards this, Srishti endeavours to foster a “community of learners” among faculty, students, and staff.

Responsibility, Ahead of the Curve

Srishti’s curriculum is designed as a non-linear navigable structure to enable students to choose across diverse courses and activities. The curriculum is based on a capabilities system that transcends the particularities of programs and disciplines, fostering transdisciplinary and collaborative thinking and making. Srishti, through its curriculum, exposes students to contemporary issues and crises, global and local, and this includes engaging with and responding to the UN Sustainable Development Goals 2015 ([SDGs](#)). Srishti engages with the SDGs through immersing in local contextual concerns, as well as at the regional and global levels, through course units, projects and research areas.



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