

**Scientific Programme**

**NOV 03 (09.30 am - 11.00 am)**

**SESSION 1**

THEME: Sustainable Urban Development and Climate Change				
CORREA STUDIO (B-003) GF, BS Narayan Block, BMSSA Venue Coordinator: Ar. Mahfuzar Rahman Barbhuiya (+91 91655 73434)				
Sl No	ID	PAPER	Presenting Author	Timing
1	1166	Assessing And Evaluating Seismic Sensitive Parameters Of Historic Constructions: A Taxonomy Of Kathmandu Valley, Nepal	Sharma, Aanchal	09.30 am - 09.45 am
2	1252	Emerging Technologies for Solving Local Urban Issues: A Research Approach to define Resilient Smart Cities	Devanathan, Pushpa	09.45 am - 10.00 am
3	1250 (ONLINE)	Sustainable Urban Regeneration of Old Neighborhoods: A Review Towards Assessment Framework to Achieve Social Sustainability	Hassan, Boshra	10.00 am - 10.15 am
4	1280	Revival Of The Indigenous Toy Making Practice And To Strengthen Their Ecosystem Through Urban Interventions - Case Of Channapatna	H, Ar. Vidhyashree	10.15 am - 10.30 am
5	1145	Comprehending The Nexus Of Vernacular Architecture With Socio-Cultural Aspects And Climatic Feasibility: Learning From The Alleys Of Lucknow, India.	Saxena, Chinmayi	10.30 am - 10.45 am
6	1155	Visibility and Identity of Heritage precincts for travellers: Case of Ranjangudi fort	Vinodhini G, Ophylia	10.45 am - 11.00 am

**SESSION 2**

THEME: Environmental Experience Design & Wellbeing				
SIR M V AUDITORIUM GF, BS Narayan Block, BMSSA Venue Coordinator: Er Vidya Vijay (+91 80507 13365)				
Sl No	ID	PAPER	Presenting Author	Timing
1	1221	Comparative Visibility Analysis to Evaluate the Success of Open Spaces in Housing Layouts	G, Ophylia Vinodhini	09.30 am - 09.45 am
2	1203	Gender Sensitive Urbanism	Pulsay, Namrata	09.45 am - 10.00 am
3	1207	Ecology-Centric Development Challenges Around Urban Lakes: Case Of Puttenahalli And Hebbal Lake	Gopal, Aruna	10.00 am - 10.15 am
4	1121	Social – Spatial Planning for Wellbeing in Townships	M Y, Supriha; D G Deepak	10.15 am - 10.30 am
5	1234	Retrospecting On A Study Of Built-up Densities And Shadow Potentials Of Built Masses Towards Reducing Outdoor Temperatures: A Case Study Of Pune, India	Mehta, Nirzari	10.30 am - 10.45 am
6	1241	Developing Localised Adaptive Thermal Comfort Model For Naturally Ventilated Residences In Warm And Humid Climate Of Mumbai, India	Achari, Anand	10.45 am - 11.00 am

**SESSION 3**

THEME: Environmental Experience Design & Wellbeing				
DOSHI STUDIO (B 101) FF, BS Narayan Block, BMSSA Venue Coordinator: Dr. Harinadha Reddy (+91 81230 69120)				
Sl No	ID	PAPER	Presenting Author	Timing
1	1256	A Water-saving and Hybrid Multi-purpose Shower and Drainage System For Residential Bathroom System	Haris, Mueen	09.30 am - 09.45 am
2	1219	Middle-income Households' Floor Plan Patterns for Domestic Environmental Experience Design in Dhaka, Bangladesh	Chowdhury, Sajal	09.45 am - 10.00 am
3	1206 (ONLINE)	Effect of Building Height and Orientation on Indoor Air Temperature for Residential Building in Hot and Humid Climate	Hisham, Naja Aqilah	10.00 am - 10.15 am
4	1222	Adaptive Thermal Comfort In The Naturally Ventilated Residential Buildings In The Composite Climate Of India	Sharma, Aanchal	10.15 am - 10.30 am
5	1238 (ONLINE)	Study On Behavioral Adaptation For Thermal Comfort Of Mixed-mode Japanese Office Building	Khadka, Supriya	10.30 am - 10.45 am
6	1225	GRIHA Indian Green Building Rating For An Holistic Sustainability Evaluation Of Built Environment	Deep, Akash	10.45 am - 11.00 am

**SESSION 4**

THEME: Sustainable Urban Development and Climate Change				
REWAL STUDIO (B 102) FF, BS Narayan Block, BMSSA Venue Coordinator: Ar. Shantanu (+91 99301 31195) Ar Seema Anil (+91 9742404888)				
Sl No	ID	PAPER	Presenting Author	Timing
1	1224	Sustainable Urban management through participatory approach	Anil, Seema	09.30 am - 09.45 am
2	1146	Affordable Housing- A Sustainable Perspective	Sarkar, Deepshikha	09.45 am - 10.00 am
3	1190 (ONLINE)	The Effect of Construction System on the Environmental Quality during the Execution Phase of Large-Scale Housing Development Projects in Abu Dhabi.	Sami Ur Rehman, Muhammad	10.00 am - 10.15 am
4	292	The Need Of Healthy Public Spaces For The Wellbeing Of Urban Community	Kumar, N Sunil	10.15 am - 10.30 am
5	1173 (ONLINE)	Attitudes Of People Towards Car: Exploring Habit Formation Process For Sustainable Transport Adoption	Rajendran, Pramod	10.30 am - 10.45 am
6	1167	Effect Of Land Use Land Cover Change On The Architectural Style And Community At Dehradun Of Uttarakhand	Sharma, Dr Aanchal	10.45 am - 11.00 am

**NOV 03 (02.15 pm - 03.45 pm)**

**SESSION 5**

THEME: Sustainable Urban Development and Climate Change				
CORREA STUDIO (B-003) GF, BS Narayan Block, BMSSA Venue Coordinator: Ar. Mahfuzar Rahman Barbhuiya (+91 91655 73434)				
Sl No	ID	PAPER	Presenting Author	Timing
1	1237	Residential Neighbourhood Assessment in the City of Abu Dhabi and Al Ain, UAE, Heat Island Effect analysis.	Bande, Lindita	02.15 pm - 02.30 pm
2	1296 (ONLINE)	Assessment And Attainment Strategy Of Social Sustainability In Existing Urban Sprawling Emirati Neighbourhoods	Galal Ahmed, Khaled;	02.30 pm - 02.45 pm
3	1160 (ONLINE)	Sustainable Mitigation Measures To Counter Challenges In Urban Areas	Singh, Indra Kumar; Sanyal, Aaditya Pratap	02.45 pm - 03.00 pm
4	132	A Socio-economic perspective on community resilience and social sustainability during the Covid -19 Pandemic: The case of the Gujri Market, Bangalore	Swain, Cecon	03.00 pm - 03.15 pm
5	1106	Canyon Study: Study of Impact of Kochi Metro Rail Project on the Urban Microclimate of Kochi Metro Corridor	Mohammed, Babitha	03.15 pm - 03.30 pm
6				

**SESSION 6**

THEME: Sustainable Architecture & Energy Performance				
SIR M V AUDITORIUM GF, BS Narayan Block, BMSSA Venue Coordinator: Er Vidya Vijay (+91 80507 13365)				
Sl No	ID	PAPER	Presenting Author	Timing
1	1125	Examining Vastu Purusha Mandala as a Sustainable Design Tool	Sharma, Tanushri; HO, Shamala	02.15 pm - 02.30 pm
2	1150	A Study on the Distinctive Usage of Courtyards and Its Components in Five Different Landforms of South India as Quoted in Sangam Literature.	P, Praveenkumar; J, Grace Trivena	02.30 pm - 02.45 pm
3	1182	A Comparative study of Traditional and Contemporary Building Envelope Construction Techniques in Hot and Humid Climates in Terms of Thermal Comfort for Natural Ventilated Residential Buildings	A, Madhumathi	02.45 pm - 03.00 pm
4	1148	Thermal Performance of Traditional Residential Buildings along the East Coast of South India-Tamil Nadu	S, Gayathri Shivakumar	03.00 pm - 03.15 pm
5	1195 (ONLINE)	Thermal Comfort and Energy Performance of Residential Buildings in Russia	Hashemi, Arman	03.15 pm - 03.30 pm
6	1258	Low Carbon Cities: Impact on Climate Change Due to Reduction of Carbon Emission by Adopting Localised Adaptive Thermal Comfort Model: A case of Mumbai, India	Achari, Anand	03.30 pm - 03.45 pm

**SESSION 7**

THEME: Environmental Experience Design & Wellbeing				
DOSHI STUDIO (B 101) FF, BS Narayan Block, BMSSA Venue Coordinator: Dr. Harinadha Reddy (+91 81230 69120)				
Sl No	ID	PAPER	Presenting Author	Timing
1	1242	A New Architectural Design Studio for Meaning Making using Repertory Grid Technique (RGT)	Aguel, Ahmed	02.15 pm - 02.30 pm
2	1162 (ONLINE)	POE & Office Interior Design: Design Intervention on Occupant Satisfaction and Well-being.	Mandadi, Pratima Kiran	02.30 pm - 02.45 pm
3	307 (ONLINE)	An Exploratory Study on Assessment of Stakeholders' Perception and Attitude Towards Net Zero Radiation Smart Home Using Neuroarchitecture	Raveendran, Reshna; Alresh, Mazen	02.45 pm - 03.00 pm
4	1211	An Evaluation of Schematic Physical Model as a Teaching Technique in the Idea Generation Stage in the Architectural Design Studio	Aguel, Ahmed; Albdour, Ala; Adan, Rahma; Bande, Lindita	03.00 pm - 03.15 pm
5	1204	A Travel-based Drawing Approach For Recording Cultural Values of Urban Green Spaces	Emmanuel, J Godwin	03.15 pm - 03.30 pm
6	1109 (ONLINE)	The Re-Creation of Tropical Residential Thermal Comfort	Wagner, Karl	03.30 pm - 03.45 pm

**SESSION 8**

THEME: Prefabrication, Digital Construction & Planning				
REWAL STUDIO (B 102) FF, BS Narayan Block, BMSSA Venue Coordinator: Ar. Shantanu (+91 99301 31195) Ar Seema Anil (+91 9742404888)				
Sl No	ID	PAPER	Presenting Author	Timing
1	1134 (ONLINE)	Single Users' Perception Towards Acceptance Of Precast Technology in the Construction Industry: Case Of Abu Dhabi, Uae	Abdelmonem, Abdelmonem Mohamed	02.15 pm - 02.30 pm
2	1231 (ONLINE)	Using Modularity to Improve the Building Construction Process	Viana, Daniela Dietz	02.30 pm - 02.45 pm
3	1232 (ONLINE)	Operations Management Best Practices to Support Mass Customization in Housing Projects	Utzig, Helena	02.45 pm - 03.00 pm
4	1283	Is India's Construction Industry Ready for Prefabrication: A Machine Learning View	Zaheer, Zehra; Azeez, Furquan	03.00 pm - 03.15 pm
5	1217 (ONLINE)	Digitally Fabricated Settlements for the Internally Displaced in the Port City of Aden, Yemen	Thomas, Jabin Biju	03.15 pm - 03.30 pm

**Scientific Programme**
**NOV 04 (09.00 am - 10.30 am)**

SESSION 9				
THEME: Sustainable Architecture & Energy Performance				
CORREA STUDIO (B-003) GF, BS Narayan Block, BMSSA Venue Coordinator: Ar. Mahfuzar Rahman Barbhuiya (+91 91655 73434)			NOV 04 (09.00 am - 10.30 am)	
SI No	ID	PAPER	Presenting Author	Timing
1	1118 (ONLINE)	Smart Buildings and Radiation : Evaluation of the Difference in the Natural and Artificial Radiation Pattern in Human Head Model	Kheira Anissa	09.00 am - 09.15 am
2	1236 (ONLINE)	Environmental Experience Design and Natural Light in Hotel Architecture; case of Fernand Pouillon El Mountazah Hotel in Seraiidi (Annaba, Algeria).	Tabet Aoul, Kheira	09.15 am - 09.30 am
3	1149	Understanding The Role Of User-Spatial Relationship In An Assisted Living Center: A Case Of Durgapur, India	Ojha, Saurabh	09.30 am - 09.45 am
4	1284	Community Design Charrette: A Participatory Technique for attaining Perception of Safety - A case of Cubbon Park, Bengaluru, India	Mohan, Karthik	09.45 am - 10.00 am
5	1107	Role of Indoor Air Quality on Overall health of Occupants in Educational Space	Bantanur, Shaila	10.00 am - 10.15 am
6	1196 (ONLINE)	Effect of Ventilation on Aerosol Transmission in an Indoor Seminar Room in Lincoln, UK	Aliyu, Aliyu M.	10.15 am - 10.30 am

SESSION 11				
THEME: Sustainable Urban Development and Climate Change				
DOSHI STUDIO (B 101) FF, BS Narayan Block, BMSSA Venue Coordinator: Dr. Harinadha Reddy (+91 81230 69120)			NOV 04 (09.00 am - 10.30 am)	
SI No	ID	PAPER	Presenting Author	Timing
1	1126	Effects of Green Infrastructure on Particulate Matter Pollution Concentration — Delhi Case Study	Kumar, Atul	09.00 am - 09.15 am
2	1209	Urban Flood Risk Hotspot Zonation Using GIS-Based Techniques	Rashiq, Ahmad; Kumar, Atul	09.15 am - 09.30 am
3	1277	A Review of Attributes to Reinventing Public Transportation Pertaining to Urban Mobility as Sustainable Solution	Choudhary, Snigdha	09.30 am - 09.45 am
4	1208 (ONLINE)	Reviewing the Correlation between Socio-economic Characteristics and Domestic Energy Consumption of Iran and other Countries	Fatourehchi, Dorsa	09.45 am - 10.00 am
5	1188 (ONLINE)	The Effect Of Climate Change On Residential Thermal Comfort In Metropolitan Tropical Low And High Altitude Areas	Wagner, Karl	10.00 am - 10.15 am
6	1243	The Contribution of Urban Green Areas' Ecosystem Services in Desert Cities. The Case of the Francisco Bolognesi Urban Reserve in Arequipa, Peru.	Zeballos-Velarde, Carlos	10.15 am - 10.30 am

SESSION 10				
THEME: Sustainable Architecture & Energy Performance				
SIR M V AUDITORIUM GF, BS Narayan Block, BMSSA Venue Coordinator: Er Vidya Vijay (+91 80507 13365)			NOV 04 (09.00 am - 10.30 am)	
SI No	ID	PAPER	Presenting Author	Timing
1	1152	Investigation of Sustainable Geo-polymers for passive Fire Protection.	Digavinti, Harinadha Reddy	09.00 am - 09.15 am
2	1161	Coir Fiber Reinforced Soil Blocks as a Sustainable Building Material	K P, Vidya Vijay	09.15 am - 09.30 am
3	1286	Energy-Saving By Shading Device's Shaded Area On A Fully Glazed Multi-Storeyed Office Building In A Hot And Humid Climate, Chennai, India.	Chockalingam, Chandrasekaran	09.30 am - 09.45 am
4	1235	Spatial Organization of Cooking Places in Vernacular Houses of Kathmandu and Mangalore"	Pradhan, Prachand Man	09.45 am - 10.00 am
5	1228 (ONLINE)	Impact of the Height of Roof Shading on Building Energy Performance in India	Sadevi, Kuladeep Kumar	10.00 am - 10.15 am

SESSION 12				
THEME: Sustainable Architecture & Energy Performance				
REWAL STUDIO (B 102) FF, BS Narayan Block, BMSSA Venue Coordinator: Ar. Shantanu (+91 99301 31195) Ar Seema Anil (+91 9742404888)			NOV 04 (09.00 am - 10.30 am)	
SI No	ID	PAPER	Presenting Author	Timing
1	1112 (ONLINE)	A Study Of The Relation Between Room Aspect Ratio And The WWR On Various Daylight Metrics	Sanyal, Aaditya Pratap	09.00 am - 09.15 am
2	1115	Evaluating the Effectiveness of Residential Building Envelope Design through Passive Measures in the Hot and Humid Climate of Kolkata	Deb, Sreerupa	09.15 am - 09.30 am
3	1147	Adaptive External Shading System For Better Daylighting Balancing With Heat Gain For The Composite Climate Of Delhi NCR.	Luthra, Jyoti	09.30 am - 09.45 am
4	308	Futuristic Green Hospital & Neo Paradigm	Pooja Meriam	09.45 am - 10.00 am
5	310	Sustainable Conversion Of Waste Seashell To Partial Replacement Of Aggregates In Cement Mortar: A Review	Gayathri Shivakumar	10.00 am - 10.15 am
6	1199 (ONLINE)	Hydro-Gen: an Attempt to Reimagine Alternative Urbanism at the Conjunction of Sustainability and Artificial Intelligence	Tanguturi, Sri Keshava	10.15 am - 10.30 am

**NOV 04 (02.15 pm - 03.45pm)**

SESSION 13				
THEME: Sustainable Urban Development and Climate Change				
CORREA STUDIO (B-003) GF, BS Narayan Block, BMSSA Venue Coordinator: Ar. Mahfuzar Rahman Barbhuiya (+91 91655 73434)			NOV 04 (02.15 pm - 03.45pm)	
SI No	ID	PAPER	Presenting Author	Timing
1	1103 (ONLINE)	Climate Responsive Architecture: Energy Reduction In Hot And Humid Climate Through Passive Architecture	Jebakumar Clifford, Esther Kiruba Kotha, Vineetha	02.15 pm - 02.30 pm
2	1124	Exploration the Impact of Building Energy Consumption to Mass Customisation Social Housing Design with the Example of Samarithan House in Geelong Australia	Wei, Jinxi	02.30 pm - 02.45 pm
3	1172 (ONLINE)	Reviewing The Effective Utilization Of Passive Solar Strategies For Designing A Solar Optimized Neighborhood In India	Ojha, Saurabh	02.45 pm - 03.00 pm
4	1201 (ONLINE)	Impact Assessment of Built Environment Towards Net Zero: Case for Turkey	Bayazit Subasi, Ayse	03.00 pm - 03.15 pm
5	1197	The use of Phase Change Material to Reduce Peak Air-Conditioning Load in Hot Climate of UAE	Haggag, Mahmoud	03.15 pm - 03.30 pm
6	1131	Strategies for the Mitigation of Urban Heat Islands in Residential Areas of Desert Cities. The Case of Arequipa – Peru	Zeballos-Velarde, Carlos	03.30 pm - 03.45 pm

SESSION 15				
THEME: Environmental Experience Design & Wellbeing				
DOSHI STUDIO (B 101) FF, BS Narayan Block, BMSSA Venue Coordinator: Dr. Harinadha Reddy (+91 81230 69120)			NOV 04 (02.15 pm - 03.45pm)	
SI No	ID	PAPER	Presenting Author	Timing
1	1298	Individual and Group Variations in Wayfinding Among Users in an Educational Building	Baarat Krishna, S; Abinaya, J	02.15 pm - 02.30 pm
2	1303	Analyzing Student Flow On Campus Using Spatial Syntax	Ramprasad, Rheethika; J, Abinaya	02.30 pm - 02.45 pm
3	1214 (ONLINE)	Passive Measures to Improve the Thermal Environment of Nepalese School Buildings During the Summer	Shrestha, Mishan	02.45 pm - 03.00 pm
4	1213	Exploring the Impact of Building Design on the Level of Students' Engagement with the Courtyard: UAEU Campus as a Case Study	Maali, Rua; Al Niyadi, Sheikha; Agiel, Ahmed	03.00 pm - 03.15 pm
5	1297	Evaluating the Elements in Recreational Spaces of an Institution	Iyer, Eshitha; J, Abinaya	03.15 pm - 03.30 pm
6	1291	Ecological Dimensions for Public Spaces in Urban Architecture and Planning	Komandur, Santana Gopal	03.30 pm - 03.45 pm

SESSION 14				
THEME: Sustainable Architecture & Energy Performance				
SIR M V AUDITORIUM GF, BS Narayan Block, BMSSA Venue Coordinator: Er Vidya Vijay (+91 80507 13365)			NOV 04 (02.15 pm - 03.45pm)	
SI No	ID	PAPER	Presenting Author	Timing
1	1159	Strategies To Calibrate And Reduce Embodied Carbon Of An Office Building In India	Uday, Sukanya Saxena, Eashita	02.15 pm - 02.30 pm
2	1102	Simplifying Building Water Management, A Numbers based Approach	Tiwari, Akshay	02.30 pm - 02.45 pm
3	1295 (ONLINE)	Structural Performance of Lightweight Geopolymer Concrete in the UAE Hot Climate	Adan, Rahma; Alyammahi, Wedad; Al-Askari, Amal; Alshehhi, Sheikha; Alqemzi, Dhabya	02.45 pm - 03.00 pm
4	1194 (ONLINE)	Energy Performance & Thermal Comfort in Office Buildings in Russia	Hashemi, Arman	03.00 pm - 03.15 pm
5	1191 (ONLINE)	Enhancing Thermal Comfort in Converted Dwellings Through Passive Design Strategies.	Hashemi, Arman	03.15 pm - 03.30 pm
6	1192 (ONLINE)	Energy Consumption Behaviour in Historical Churches	Hashemi, Arman	03.15 pm - 03.45 pm

SESSION 16				
THEME: Sustainable Urban Development and Climate Change				
REWAL STUDIO (B 102) FF, BS Narayan Block, BMSSA Venue Coordinator: Ar. Shantanu (+91 99301 31195) Ar Seema Anil (+91 9742404888)			NOV 04 (02.15 pm - 03.45pm)	
SI No	ID	PAPER	Presenting Author	Timing
1	1122	"Redefining The Liveable Neighbourhood's In Bangalore Peripheries- a Case of Dommasandra Area"	D, Harshita	02.15 pm - 02.30 pm
2	1185	Adaptive Model of e- Governance of Indian Smart Cities during COVID- 19	Raina, Shanu	02.30 pm - 02.45 pm
3	1113	Refugee Appropriation of Inhospitable Urban Terrains: Learning from Post-Partition Jobor-Dokhol Colonies of Kolkata	Pal, Shreyasi	02.45 pm - 03.00 pm
4	1140 (ONLINE)	Can Cities Accommodate Sustainable Growth	Vora, Divya; Waghay, Shivangi Narayen	03.00 pm - 03.15 pm
5	227	Sustainable Practices as a Way Forward: Fading Identity of Cultural Town	Anil, Seema	03.15 pm - 03.30 pm
6	1181	Surface Urban Heat Island in Large Cities in India using Local Climate Zone Classification	Edupuganti, Siva Ram; Kumar, Atul	03.15 pm - 03.45 pm