



Bharati Vidyapeeth (Deemed to be University) College of Architecture, Pune

Bharati Vidyapeeth Educational Campus, Pune – Satara Road, Pune 411 043 Maharashtra, India

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National Digital Conference on Sustainability in Architecture, Planning and Technology 2.0

2022-23



Prof. Dr. Vivek Saoji
Vice-Chancellor,
Bharati Vidyapeeth
(Deemed to be University)

Inaugural Address

National Digital Conference on Sustainability in Architecture, Planning and Technology 2.0 is a two day online conference with an objective of bringing together Professionals, Academicians, Researchers and Students to expand dissemination of research. The conference intends to promote exchange of ideas and create an awareness of research findings. The conference aims to increase knowledge about Sustainability in relation with Architectural design, Settlement Planning, Traditional knowledge systems, Energy management, Environment, Ecology, Changing technologies, New and alternate construction materials.

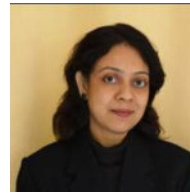
Schedule of the Conference



Keynote Speaker
Day 1
Dr. Erach Bharucha
Director,
BVIEER, Pune



Keynote Speaker
Day 2
Dr. Chetan Vaidya
Former Director,
SPA Delhi and NIUA



Dr. Hemanti Banerjee
Professor
Architecture and
Regional Planning at IIT
Kharagpur



Dr. Kavita Murugkar
Principal,
BVDU College of
Architecture, Pune

Session Chair 1

Social sustainability
through inclusive design
and universal
accessibility.

DAY I : 28TH FEBRUARY 2023

09.30 am. 10.00 am
Inauguration Day 1

10.00 am. to 11.00 am.
**Presentation by Dr. Erach Bharucha
on "Sustainability in Cultural Landscapes"**

11.10 am. to 11.20 am.
**Session Chair 1: Social sustainability
through inclusive design and universal
accessibility.**

11.30 am. to 1.00 pm.
Paper Presentation

1.00 pm. to 1.30 pm. B R E A K

1.30 pm. to 1.40 pm.
**Session chair 2: Passive low energy
architecture**

1.30 pm. to 2.30 pm.
Paper Presentation

DAY II : 1ST MARCH 2023

10.00 am. to 11.00 am.
**Presentation by Prof. Dr. Chetan Vaidya
on " Mainstreaming Climate change in
Sustainable and Inclusive Urban
Development"**

11.10 am. to 11.20 am.
**Session Chair 3: Community Engagement
in Sustainable Development**

11.30 am. to 1.00 pm.
Paper Presentation

1.00 pm. to 1.30 pm. B R E A K

1.30 pm. to 1.40 pm.
**Session Chair 4 : Sustainable Development
Goals and Urban Planning**

1.30 pm. to 2.30 pm.
Paper Presentation

2.30 pm. Vote of Thanks.

Session Chair 2
Passive low energy
architecture



Dr. Priya Bangle
Associate Professor
BVDU COA, Pune



Dr. Aradhana Jindal
Principal at MM
School of Architecture



Dr. Smita Dalvi
Professor, MES Pillai
College of Architecture,
Navi Mumbai



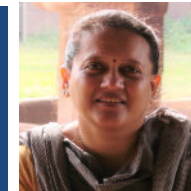
Prof. Archana Gaikwad
Professor
BVDUCOA,,Pune

Session Chair 3

Community
Engagement in
Sustainable
Development



Session Chair 4
Sustainable
Development Goals
and Urban Planning



Prof. Mukta Latkar-
Talwalkar
Professor
BVDUCOA,,Pune



Dr. Parag Narkhede
HOD,
BKPS' College of
Architecture, Pune

Register for Attending on the following link:
<https://forms.gle/crp5zMcXpwTzeeLLA>

No Fees for Attendance, but prior Registration is mandatory.

E-Certificates will be awarded to only Registered Attendees after attending all the sessions and submission of feedback forms.

-Conference Proceedings will be conducted on Microsoft teams, link for the same would be shared on the WhatsApp group
-Join our whatsapp group using link provided in the Google Form.

Organizing Committee:

Convenor
Mukta Latkar-Talwalkar, Professor.
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Co-Convenor
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Coordinator
Swapnali Sutar, Assistant Professor
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Dr. Patangrao Kadam
Founder,
Bharati Vidyapeeth
(Deemed to be University)

Prof. Dr. Shivajirao Kadam
Chancellor,
Bharati Vidyapeeth
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Dr. Vishwajit Kadam
Pro Vice Chancellor,
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Prof. Dr. Vivek Saoji
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Prof. Dr. Kavita Murugkar
Principal,
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College of Architecture, Pune



National Digital Conference on Sustainability in Architecture, Planning and Technology 2.0

National Digital Conference on Sustainability in Architecture, Planning and Technology 2.0 is a two day online conference with an objective of bringing together Professionals, Academicians, Researchers and Students to expand dissemination of research. The conference intends to promote exchange of ideas and create an awareness of research findings. The conference aims to increase knowledge about Sustainability in relation with Architectural design, Settlement Planning, Traditional knowledge systems, Energy management, Environment, Ecology, Changing technologies, New and alternate construction materials.

The National Digital Conference On Sustainability, Architecture Planning And Technology 1.0, was conducted on 25th and 26th August 2020. In this conference 20 research papers were presented in four sessions and published in IJSER journal. The National Digital Conference on Sustainability In Architecture, Planning And Technology 2.0 is the second in the series.

Call for Papers

We invite Papers that center around the Theme but are not restricted to the following :

A. SUSTAINABILITY IN ARCHITECTURE AND TECHNOLOGY

- A.1. Passive Low energy architecture
- A.2. Sustainable strategies and knowledge systems
- A.3. Social sustainability through inclusive design and universal accessibility.
- A.4. Sustainability and advance technologies for buildings
- A.5. New / contemporary materials and their performances
- A.6. Solutions for disaster management and resilient city.

B. SUSTAINABILITY IN PLANNING AND TECHNOLOGY

- B.1. Sustainable Development Goals and Urban Planning.
- B.2. Responsible Architecture and Sustainable Housing
- B.3. Smart Technologies for Smart Cities
- B.4. Infrastructure for health and wellbeing.
- B.5. New Perspectives of Renewable Energy
- B.6. Community Engagement in Sustainable Development

Paper Submission guidelines

Stage 1: abstract of 250 to 300 words and
Stage 2: research paper of 3000 and 5000 words, with a clear structure indicative of objectives, research questions, methodology, findings, conclusion or discussion and references.

Poster Submission guidelines

Stage 1: abstract of 250 to 300 words and
Stage 2: max 2 sheets of A1 size in portrait format.

Call for Posters

(For Undergraduate students)
SUSTAINABILITY IN TRADITIONAL STRUCTURES IN INDIA.

BRIEF

Identify a Vernacular / Traditional structure aptly reflecting the heritage of the region. Analyse how and where and to what effect have the Passive Design Strategies with respect to Climate, Social, Cultural or Economical aspects have been incorporated into the design.

REQUIREMENTS:

The contents of the Poster submission to include an introductory abstract, photos or sketches or drawings to explain the sustainability in its design and function.

It should focus on Analysis of incorporation and enhancement of the comfort conditions or social situations with time tested knowledge systems of sustainability.

WHO CAN SUBMIT:

Undergraduate bonafide students Individual or a maximum group of 2 students can participate as a entry.

Registration and abstract submission link:

<https://forms.gle/dmCefdG9htkktU2X6>

Submission Schedule: **EXTENDED DATES:**

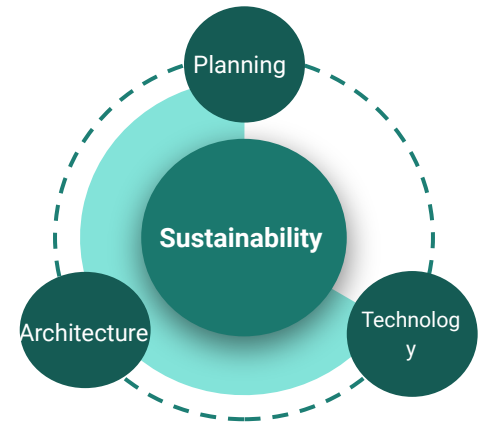
Submission of Abstract: 15 th Dec 2022

Acceptance of Abstract: 25 th Dec 2022

Submission of Full paper: 15 th Jan 2023

Date of Conference:

Tuesday 28th Feb & Wednesday 1st March 2023



Accredited with 'A' Grade (2017) by NAAC

'A' Grade University Status by MHRD, Govt. of India

Accredited (2004) & Reaccredited (2011) with 'A' Grade by NAAC

Category-I (Deemed to be University Grade) by University Grants Commission

Recognized under Section '12 B' of UGC Act (1956) by University Grants Commission

Ranked 68th among Top 100 Universities by NIRF 2021, MHRD Govt. of India

The Conference Management Committee aims to approach high quality journals to provide conference attendees with publication opportunities in reputed peer reviewed journals.

The abstract of Conference papers will be published in the Conference Proceedings.

E-certificates will be awarded to participants on successful submission and timely presentation.

Online Registration Fees for Participants after selection of abstracts

Professionals, Academicians, PG/PhD Students:

Rs. 1000/-

Students: Rs. 500/

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Convener

Mukta Latkar-Talwalkar, Professor.

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Social Transformation through Dynamic Education*

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National Digital Conference on Sustainability in Architecture, Planning and Technology 2.0

2022-23

National Digital Conference on Sustainability in Architecture, Planning and Technology 2.0 --- DAY 1 --- 28th Feb 2023

	Time		
	9.15	Welcome to NDC 2.0	Priya Bangle Co-Convener, B.V.D.U.C.O.A. Pune
		Introduction to NDC 2.0	Asso.Prof. Aditi Lanke B.V.D.U.C.O.A. Pune
		Welcome talk and Introduction to B.V.D.U.C.O.A. Pune by Principal	Prof. Dr. Kavita Murugkar, Principal, B.V.D.U.C.O.A. Pune
		Inaugural Remarks by Hon. VC Prof. Dr. Vivek Saoji, Hon. Vice-chancellor, Bharati Vidyapeeth (Deemed to be University), Pune	
	9.45 to 10.30	“Sustainability in Cultural Landscapes”.	Keynote Address by Dr. Erach Bharucha Director, BVIEER, Pune
	10.30 to 10.45	Q&A Session and Vote of Thanks	
	11.00 to 11.05	Introduction to the Session 1 and Session Chairs	Session : Social sustainability through inclusive design and universal accessibility
	11.05 to 11.15	Session Chair Address by Prof.Dr.Haimanti Banerjee, Professor Architecture and Regional Planning -IIT Kharagpur	Prof .Dr. Haimanti Banerjee IIT Kharagpur Prof. Dr.Kavita Murugkar, Principal, College of Architecture
P1	11.15 to 11.35	Aging In Place: Elderly Friendly Residential Environments	Chinmayi Mali and Archana Gaiwad
P2	11.35 to 11.55	Urban Development Through the Eyes Of The Under privileged	Rajeev Singh
P3	11.55 to 12.15	The Relevance Of “Loco- The Reawakening Path”, Towards Social Inclusion For Sustainable Development	Srajati Tiwari
P4	12.15 to 12.35	Bridging The Discord in Architectural Vocabulary: An Approach Towards Urban Sustainability; The Case of Cossipore, Kolkata.	Mayukh Sanyal and Deepashree Choudhury
P5	12.35 TO 12.55	Current Need for Transformation of An Urban Open Spaces in Case of Nagpur City: Urban Happiness Through Architecture and Urban Design For Wellbeing.	Nupur Chinchkhede
		B R E A K	
	1.15 to 1.20	Introduction to the Session 2 and Session Chairs	Session 2: Passive Low Energy Architecture
	1.20 to 1.30	Session Chair Address by Dr.Aradhana Jindal,Principal at MM School of Architecture	Dr. Aradhana Jindal,Principal at MM SOA Dr. Priya Bangle, B.V.D.U.C.O.A. Pune
P1	1.30 to 1.50	Adobe Bricks Stabilized with Different Local Materials	Chinmayi Mali, Kanad Kumbhar and Suraj Shah
P2	1.50 to 2.10	Cement Concrete Could Be Substituted with Environmentally Friendly Alternative Materials.	Priyanka Chavan and Sejal Desarda
P3	2.10 to 2.30	Heat Balance Through Building Envelope	Bhavya Bhardwaj and Aastha Kalia
P4	2.30 to 2.50	Wind Farm: Sitting the New Energy Landscape In Dhule Fringe	Mansi Patil and Neha Masalekar
P5	2.50 to 3.10	Office Design: An Approach Towards Sustainable Materials for Healthy Interiors.	Mohishka Sen and Nupur Chichkhede
P6	3.10 to 3.30	Assessment Of Outdoor Thermal Comfort in The Street Markets Of South Mumbai.	Nikita Mahajani
P7	3.30 to 3.50	Understanding the Indigenous Knowledge Systems of Bhunga Architecture	Shreyasha Hadawale
			Session and Day concludes



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National Digital Conference on Sustainability in Architecture, Planning and Technology 2.0

2022-23

National Digital Conference on Sustainability in Architecture, Planning and Technology 2.0 --- DAY 2 --- 01st MAR 2023

Sr. no	Time	Topic	Name of the Resource Person
	9.30	Welcome	
	9.30 to 10.15	“Mainstreaming Climate change in Sustainable and Inclusive Urban Development”	Keynote Address by Prof. Dr. Chetan Vaidya
	10.45 to 10.50	Introduction to the Session 3 and Session Chairs	Session Chair 3: Community Engagement in Sustainable Development
	10.50 to 11.00	Session Chair Address by Prof. Dr. Smita Dalvi	Dr. Smita Dalvi Professor, MES Pillai COA, Mumbai Prof. Archana Gaikwad, B.V.D.U.C.O.A. Pune
P1	11.00 to 11.20	Agro Realty – A Sustainable Investment Model In India	Shabna. V
P2	11.20 to 11.40	Community Engagement in Sustainable Development	Abiraami Kosalraman
P3	11.40 to 12.00	An Investigation of The Local Area Plan for Development: Case Of Telibandha Settlement	Aditi Prajapati and Dr. Neeti Trivedi
P4	12.00 to 12.20	Upliftment Of Native Horn & Bone Handicraft by Making the Artisans Socially Sustainable: A Case of Sambhal District	Aishwarya Parashar and Aastha Kalia
P5	12.20 to 12.40	Participatory Design in All Design Stages Including Co-Living Ensures Sustainable Development of The Community Settlement.	Shree Lalitha and Srishti Srivastava
	12.40 to 1.00	B R E A K	
	1.00 to 1.05	Introduction to the Session 4 and Session Chairs	Session Chair 4: SDG and Urban Planning
	1.05 to 1.15	Session Chair Address by Dr. Parag Narkhede , BKPS' College of Architecture, Pune	Dr. Parag Narkhede, BKPS, Pune. Prof. Mukta Latkar-Talwalkar, B.V.D.U.C.O.A. Pune
P1	1.15 to 1.35	Value Capture Financing: A Proposition to Resolve the Exigency for Investment Toward Urban Infrastructure Development in Devanahalli, Bangalore.	Meenu S. Nair
P2	1.35 to 1.55	Identification And Mapping of Traditional Water System In Vijayapura To Meet The Needs Of Current Water Shortage	Shruti Deogiri and Dr. Priya Bangle
P3	1.55 to 2.15	Urban Underground Commercial Spaces - Approaches and Planning.	Shailvi Shah and Aditi Lanke
P4	2.15 to 2.35	Causes For Limitations in The Environmental Clearance Process in Private Development Sector of Maharashtra.	Shreyasee Shinde
P5	2.35 to 2.55	Analysing Traditional House Form for Climate Responsiveness- A Case of Kathiyawadi Haveli.	Rucha Trivedi and Archana Gaikwad
P6	2.55 to 3.15	Identifying the Factors Causing Degradation of Urban Water Bodies: Case of Sakkardara Lake.	Maitreyi Parkhi
P7	3.15 to 3.35	Productive landscape: An integrated approach for sustainable township in Pune region.	Prachi Deshpande and Neha Masalekar
		Concluding Remarks and Vote of Thanks	Prof. Mukta Latkar-Talwalkar Convener B.V.D.U.C.O.A. Pune

** The schedule may have last minute changes . Any changes made shall be informed to all.