

SINHGAD TECHNICAL EDUCATION SOCIETY'S
SINHGAD COLLEGE OF ARCHITECTURE, PUNE 41
B. ARCH. TERM II **2024-25**

REPORT

**National E- Conference on Adaptation 2.0 -
Endeavoring a foreseeable Future , NCA 2025**

Year	2024-25	Knowledge Partners: CoA, AESA, PCERF
Date and Time	13th and 14th May 2025, 9 AM onwards	
Publication	IJERT	
No. of Participants	29	
Subject	National E-Conference, NCA 2025	
Objectives of the program	1. To inculcate research culture among Faculty members and Fraternity 2. To encourage original and novel thinking 3. To provide an opportunity for expression and talent 4. To promote Knowledge creation and Transfer	
Topic	Research topics relevant to the Theme of Conference	
Conference Team	Dr.Banani Banerjee	Convener
	Dr .Priti Dhanwat	Co-convener
	Dr.Abhijit Natu	Advisor
	Dr.P.N.Chitale	Advisor
	Dr. Amar Dhere	Advisor
	Ar.Anuja Inamdar	Coordinator
	Ar. Sarika Thakur	Coordinator
	Ar. Asmita Kale	Team Member
	Ar. Neha Kapse	Team Member
Name of the Session Chairs	Session Details	Session Chair
	1 Architectural Condervation	Ar.Rajeev Kulkarni and Prof.Kavita Patil
	2 Planning and Developement	Dr.Parag Narkhede and Dr.Avani Topkar
	3 Environment and Climate change	Dr.Uma Jadhav and Ar.Rupali Borhade
	4 Architecture and Built Environment	Dr.P.N.Chitale and Prof.Kalpana Hadap
Event Description	The two-day national-level E-conference, “Adaptation 2.0: Endeavouring a Foreseeable Future,” addressed present concerns, challenges, and opportunities from micro to macro levels within the built environment as we progress towards completing yet another decade by the year 2030. The conference was formally inaugurated by the hands of Principal Banerjee, madam and the conference team by lighting the lamp at the venue of Sinhgad college of Architecture. The online session started with a welcome address by Dr. Banani Banerjee, Principal Sinhgad college of Architecture followed by an address by Prof Mahesh Bangad on behalf of our knowledge partners, AESA, Pune. The inaugural lecture by Ar. Priyanka Sukhalan , co - founding partner of Rootbridge Collabaration set the tone to the two-day e-conference. In her inaugural speech she highlighted the aspects and attributes of Urban Mobility and its integration within the urban planning and design. The discussion of Day one revolved around two subthemes: Architectural Conservation and Planning and Development. The first session included insightful deliberation addressing revival of traditions, identifying regional resources and Tourism opportunities, sustainable approaches, appropriate valuation methods for tangible and intangible components of heritage and concerns for management of world heritage sites. This session was chaired by Prof Rajiv Kulkarni, Pune and prof. Kavita Patil, SCOA. Six participants presented across Maharashtra and beyond the state presented their papers in the first session. The second session theme focussing on Planning and Development was chaired by Dr. Parag	

	Narkhede, BKPS, COA and Dr. Avani Topkar, SCOA. It opened with an intellectual discourse on the phenomenon of placemaking, followed by the effect of decentralized workspaces, and continued with a discussion on urban transportation and mobility. This session also addressed the multiple characteristics of open spaces in urban landscapes and the management of recreational spaces in urban areas. Total no of seven papers were presented in this session, revolving around concerns, trends and challenges across the contemporary goals of planning. Day two focused on the theme of Environment and Climate change. Dr. Uma Jadhav, Goa College of Architecture, GOA and Prof. Rupali Borhade, SCOA, Pune coordinated as the session chairs. The presentations focused on multiple dimensions such as innovative building materials use and adaptability, Education, Sustainable thinking, waste management, Integrating Artificial intelligence in the building environment, adaptive reuse, resource mobilization, and mapping biodiversity for a transformed landscape. The session was enriching and very relevant to the current scenario. Total no of seven papers were presented in this session bringing forth diverse perspectives. The last session titled Built Environment was coordinated by Dr. P. N. Chitale, H.O.D, SCOA and Prof. Kalpana Hadap, SCOA. This concluding session on Architecture and the built environment brought to light the challenges regarding human interventions, responses, and acclimatizing to society's changing needs. It also addressed current issues and concerns relating to architecture and the built environment. The session concluded with six papers presentations, discussions and debates on the conducive aspects of planning user friendly built environment considering wider ecological perspectives. The conference provided an opportunity to communicate with research scholars and professionals from the field and to bring forth better insights in building an intellectual and collaborative consensus for a better and more promising future. The conference concluded with a formal vote of thanks to all the participants and the presenters for bringing forth different perspectives, reflections, and discussions concerning the present and future approaches within the rapidly changing world. Heartfelt gratitude expressed to the Conference team, Ar. Sarika Thakur, Ar. Anuja Inamdar, Ar. Asmita Kale, Ar. Neha Kapase and the in-house support team for organizing a successful event. The selected papers were published in the journal proceedings of the IJERT publication.
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Poster - NCA 2025

Sinhgad Institutes

Sinhgad Group of Educational Institutes, spread over Maharashtra have a presence to reckon with. The Group is benchmarked in every aspect. It struck its foundation in 1993 to transform the dream of its visionary Founder President Prof.M.N.Navale into a palpable reality. Every institute has an independent presence with enviable state-of-the-art infrastructure and all facilities and resources, to label it an ideal place for learning. Invariably every campus has an impressive Research Centre and extensively stocked library. It comprises Institutes in its fold, run by capable and qualified resource people, drawn from various disciplines. The entire Sinhgad Educational fraternity continues in its search for excellence.

Sinhgad College of Architecture

The Sinhgad College of Architecture (SCOA) was established in the year 2000-2001 for nurturing the creative skills of students. The picturesque location engages students to explore creativity and innovation within a free-spirited environment. Experienced, qualified and expert faculty members, comprehensive syllabus and extensive facilities add tremendous value in enhancing the students' knowledge and all-round development by organizing seminars, workshops, tours and other extra-curricular activities all year round.

CONFERENCE THEMES:

- 1. Architecture & Built Environment**
 - Smart materials & Advanced construction
 - Adaptable design
- 2. Parametric Architecture & AI**
 - Potentials & Challenges of AI
 - Generative design
- 3. Architectural Conservation**
 - Cultural Heritage
 - Heritage Tourism & Management
- 4. Architectural education**
 - National Education Policy (NEP)
 - Indian Knowledge System (IKS)
- 5. Planning & development**
 - Urban & rural planning
 - Infrastructure & transportation planning
- 6. Environment & Climate change**
 - Energy conservation
 - Sustainable planning
- 7. Interdisciplinary approach**
 - Art & philosophy
 - War & Politics

CHIEF PATRONS

Prof. M. N. Navale
Founder President, STES
Dr. Mrs. Sunanda M. Navale
Founder Secretary, STES

PATRONS

Rohit Navale
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Dr. Rachana Navale Ashtekar
Vice President (Admin), STES

CONVENER

Dr. Banani Banerjee
Principal, SCOA
Dr. Abhijit Natu
Principal, BKPS COA, Pune
Chairman, B.O.S.(Architecture),SPPU

CO-CONVENER

Prof. Priti Dhanwat
Professor, SCOA
Dr. Amar Dhere
Asst.Prof. & Head., Dept. of Science,
SNDT College of Science, Pune

ORGANISING TEAM

Ar. Anuja Inamdar
Ar. Asmita Kale
Ar. Sarika Thakoor
Ar. Neha Kapse
Dr. Priyamvada Chitale
H.O.D., B.Arch.,
SCOA

ADVISORS

Dr. Priyamvada Chitale
H.O.D., B.Arch.,
SCOA



National Level Online Conference Adaptation 2.0 : Endeavouring a Foreseeable Future

Tuesday, 13th May - Wednesday, 14th May, 2025

CALL FOR PAPERS:

Interested authors are requested to submit an abstract written in English within **250 words** in **Times New Roman, 12 pt font**, 3-6 keywords, name of author/s, designation, affiliated institute/organisation and email address. The reviewer committee will select topics that are both subject-specific and goal-oriented.



- Selected Papers will be published in Renowned referred journal.
- E- Certificate of participation will be awarded to registered participants.
- Conference will be associated with knowledge partners.
- Send Abstracts to: <https://forms.gle/SjodFBXWVrTaq7D9>

REGISTRATION DETAILS:

Registration link: <https://forms.gle/XmSPVvGjkgGqAtL59>
Last date : 30th April, 2025

Professional and Academicians	Rs.1500/-
Research Scholar	Rs.1000/-
Students	Rs.800/-

IMPORTANT DATES:

20 th January 2025	Call for abstracts
28 th February 2025	Abstract Submission deadline
8 th March 2025	Abstract Acceptance notification
15 th April 2025	Full paper Submission deadline
13 th - 14 th May 2025	Online Conference

CONTACT FOR QUERIES:

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Ar. Neha Kapse
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Invitation - NCA 2025

Chief Patrons

Prof. M. N. Navale
Founder President, STES

Dr. (Mrs.) Sunanda Navale
Founder Secretary, STES

Patrons

Mr. Rohit M. Navale
Vice President (HR), STES

Mrs. Rachana Navale-Ashtekar
Vice President (Admin), STES

Convener

Dr. Banani Banerjee
Principal, SCOA

Co-Convener

Dr. Priti Dhanwat
Professor, SCOA

Advisor

Dr. Abhijit Natu
Principal, BKPS COA, Pune
Chairman, B.O.S. (Architecture) SPPU

Dr. Amar Dhere
Asst. Prof. & Head Dept. of Science
SNDT College of Science, Pune

Dr. Priyamvada Chitale
HOD - B.Arch SCOA

SCOA Organising Committee

Ar. Anuja Inamdar
Ar. Asmita Kale
Ar. Sarika Thakoor
Ar. Neha Kapse



Organised by:
**Sinhgad Technical Education Society's
Sinhgad College of Architecture, Pune**
NAAC Accredited
In collaboration with:



INVITATION Sinhgad Technical Education Society's Sinhgad College of Architecture, Pune

National E-conference 'ADAPTATION' 2 : Endeavouring A Foreseeable Future (NCA-2025)

13th & 14th May 2025

You are cordially invited for following scheduled programme

Inauguration Ceremony
13th May 2025 at 9:00 am

Key Note Speaker
Ar. Priyanka Sulkhlan
Co-founder, RootBridge Collab

**Conference
Schedule :
DAY 1 and
DAY 2**



Sinhgad Technical Education Society's
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Organizes

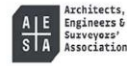


**National E-Conference (NCA)
'Adaptation-Endeavouring a Foreseeable Future'2.0
(13th & 14th May, 2025)**

Day 1: Tuesday; 13 th May 2025		
Session Time	Topic of Presentation/event	Guest
9.00 a.m.-9.10 a.m.	INAUGURATION CEREMONY	
9.10am-9.20 am	Address by The Convener	Dr. Banani Banerjee
9.20 a.m.-9.30 am	Address by COA Representative	Prof.Abhay Purohit
9.30 am-9.40 am	Address by Hon'ble Chairman, AESA Executive Committee	Prof.Ar. Mahesh Bangad
9.40 am-9.50 am	Address by Hon'ble President, PCERF & by Hon'ble Secretary, PCERF	Mr. Uday Phatak
9.50 am-9:55 am	Introduction of Ar. Priyanka Sulkhlan, Cofounder and Principal Architect , ROOTBRIDGE COLLAB	
9:55 am- 10.40 am	Address by the Key Note Speaker Urban Mobility and Sustainability	Ar. Priyanka Sulkhlan
10.40 am- 10.45 am	<i>Question & Answer Session , Short Break</i>	
10:45am-12:15 noon	SESSION 1: ARCHITECTURAL CONSERVATION	
	SESSION CHAIR : AR.RAJEEV KULKARNI	Paper Presenter
1 hour 30 min	Stepwells of Solapur Region:Architecture of sustainability and simplicity	Dr Seemantini Chaphalkar
	Rural Tourism: Opportunity for nurturance or reason for erasure of local heritage? In the context of Dapoli, Maharashtra	Ar. Asmita Patwardhan
	Understanding The Dynamics of Heritage Property and its Economic Valuation	Ar. Nishant, Ms. Meera Viswanath, Ms. Nidhi Bhadram
	The art of preservation: protecting architectural heritage in a changing world	Mr. Raju Pardeshi
	Probe into Heritage Tourism and Management of 3 World Heritage Sites similar in nature	Mr. Kandarp Bhatt
	Reviving Traditions: A Visual Arts Centre as a Gateway to preserve Rajasthan's Indigenous Arts at Jaipur	Ms. Priyanka Ahuja, Ar. Chaya Tirvir
	Effects of Wars and Politics on Modern Architecture	Mr. Inayat Ranjit Pardeshi
	<i>Summary by the Session Chair</i>	
12:15 noon -1.45 pm	SESSION 2: Planning and Development	
	SESSION CHAIR : DR.PARAG NARKHEDE	Paper Presenter
1 hour 30 min	Panopticon: evolution of theory and phenomenon of place making for 'elder-friendly' incidental places in contemporary urban neighbourhoods	Dr. Banani Banerjee
	Decentralized Workspaces and Smart Urban Planning: A Study of Mumbai and Pune's Changing Landscape	Ar. Niketa Milind Patil
	"Planning for traffic improvisation in an around Rajiv Gandhi IT Park , Hinjawadi "	Ms. Bhakti jadhav, Dr. S.G. Sonar
	Examining the influence of surrounding on the use of space under the flyover: A case of Pune	Ms. Shradha Mahesh Longani
	Management and Maintenance of Recreational Areas In Townships of Pune City.	Ms. Janhavi Y Zurange, Ar. Gayatri Desai.
	Streetscape as Multifunctional Open Space	Ms. Aishwarya Anand Mhatre
	Bridging Traditional and Modern Education: Value-Based Learning and Skill Development School at Pune with a Gurukul Approach aligning with NEP 2020	Ms. Harshada Hemant Anawkar, Ar. Chaya Tirvir
	<i>Summary by The Session Chair</i>	
Day 1 End		



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National E-Conference (NCA)
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(13th & 14th May, 2025)

Day 2: Wednesday; 14 th May 2025		
Session Time	Topic of Presentation/event	
9.00 a.m.-9.15 a.m.	WELCOME NOTE – DAY 2	
9:15am-10:45 am	SESSION 1: Environment and Climate change	
	SESSION CHAIR : DR.UMA JADHAV	Paper Presenter
1 hour 30 min	Carbon-Sequestering Building Materials Using Rice Husk, Rice Bran Wax, and Beeswax for Plant-Based Brick Manufacturing	Ar.Pavitra Vinod Nayak, EunJin Shin, Mikhail Kossir
	Teaching Sustainable Spatial Strategies Through Active Learning	Ms.Alisha Sinha, Mr.Sameer Sahasrabudhe, Mr. Sridhar Iyer
	Encouraging AI-Enabled Green Building Adoption in Mumbai's Commercial Sector	Ms.Fatema Saify Hussain
	Adaptive Reuse: Resuscitation of recently constructed unused buildings in a metro city for healthcare related facilities	Ms.Kartiki Rahul Arondekar
	Impact of Green spaces on Urban Temperature	Ar.Noorulsaba Akil Shaikh, Jaspreet Kaur Chabda
	Biodiversity Mapping Within the Urban Space of Pune	Mr.Aaditya Radheshyam Daga, Prof.Pradnya Patki
	<i>Summary by the Session Chair</i>	
10:45 noon -12.15 pm	SESSION 2: Architecture and Built Environment	
	SESSION CHAIR : DR.PRIYAMVADA CHITALE	Paper Presenter
1 hour 30 min	Rethinking The Urban Market - A Case of Phule Market, Jalgaon, Maharashtra, India.	Ms. Darshana N. Mahajan, Ar. Rushikesh R. Deshmukh
	Exploring digitization in construction management	Ms.Nitya Pillai
	Pigeons & buildings: understanding the impacts and mitigation strategies	Mr.Sanket Prakash Jadhav, Dr.Parag Narkhede
	Investigating Universal Accessibility in Primary Schools in Pune	Ms.Vidhi Jayant Dhanwalkar, Prof.Pradnya Nishad Patki
	Interior Designing for people with Parkinson's Disease	Ar. Tejas Shirish Joshi
	Application of photogrammetry as a tool used for conservation of heritage structure	Mr.Rushikesh Krushna Kamble, Prof.Pradnya Patki
	<i>Summary by The Session Chair</i>	
12:15 noon -12.30 pm	Vote of Thanks	Dr.Priti Dhanwat, Co-Convener
Day 2 End		

Joining Information for e-Conference

National Level Online Conference, SCOA Pune
Adaptation 2.0: Endeavouring a Foreseeable Future

Tuesday 13 May – Wednesday 14 May 2025

National Level Online Conference
 Adaptation 2.0: Endeavouring a Foreseeable Future

Organised by: STES's Sinhgad College of Architecture, Pune

Location

Sinhgad College of Architecture, Survey No 44/1, Sinhgad Road, Vadgaon Budruk, Pune, Maharashtra 411041, India

[View map](#)

Join with Google Meet

Meeting link

meet.google.com/ryk-ztuz-xpp

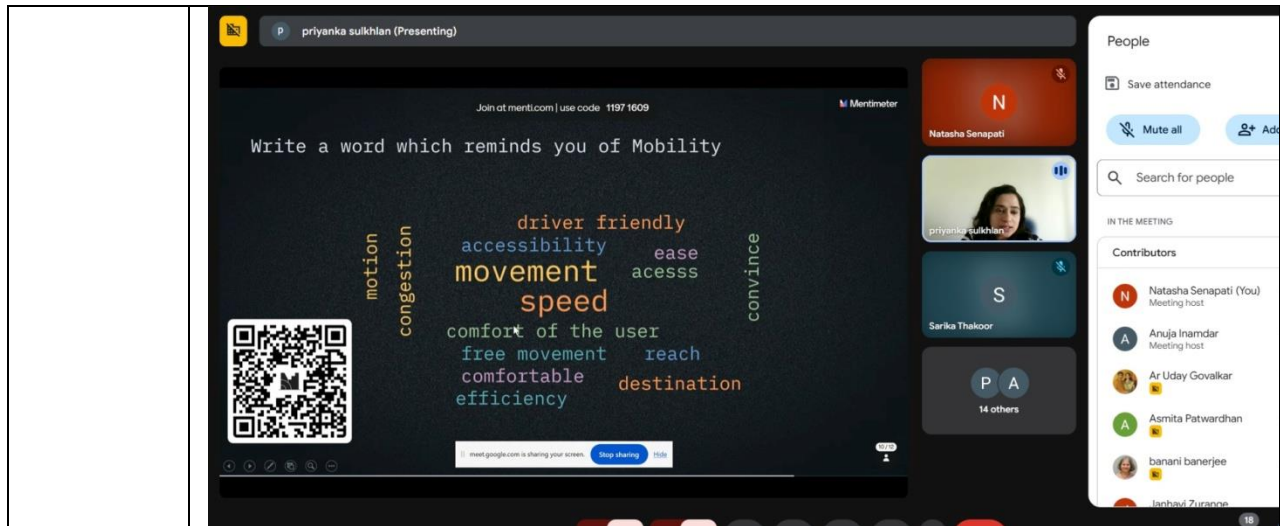
Join by phone

(US) +1 336-663-1841

PIN: 763666591

Photographs/ Screenshots of the E- Conference





Report compiled by: Dr.Priti Dhanwat and Ar. Anuja Inamdar

Ar.Anuja Inamdar
Co-ordinator,NCA 2025

Dr.Priti Dhanwat
Co-Convener, NCA 2025

Dr.Banani Banerjee
Convener and Principal,SCOA