

MOU'S/ LIVE STUDIO PROJECT

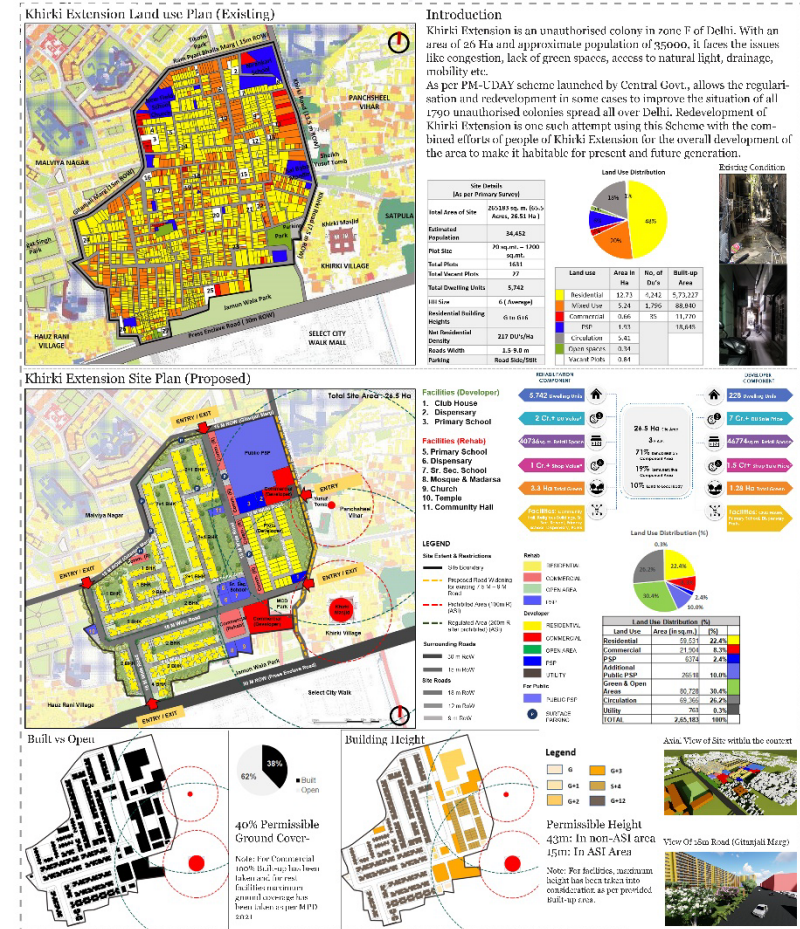
Collaboration With TATA Housing Development Ltd. (2015)

Third semester studio of Housing Project Formulation was conducted in collaboration with **TATA Housing** where the best three designs were awarded by the organization.

Appointed as a Consultant to DDA to Redevelop Unauthorized Colonies in Delhi (2021)

The total site of 65 acres, **Khirki Extension** Redevelopment was taken up as a live project under the **UC Regeneration Scheme**, where the aim was to redevelop the site by providing better-quality lifestyles and dwelling units to a population of approximately **35,000 people**. This project formulation was done as a studio exercise following participatory approach, and also worked on making the project financially feasible.

Redevelopment of Unauthorised Colony: Khirki Extension, Delhi

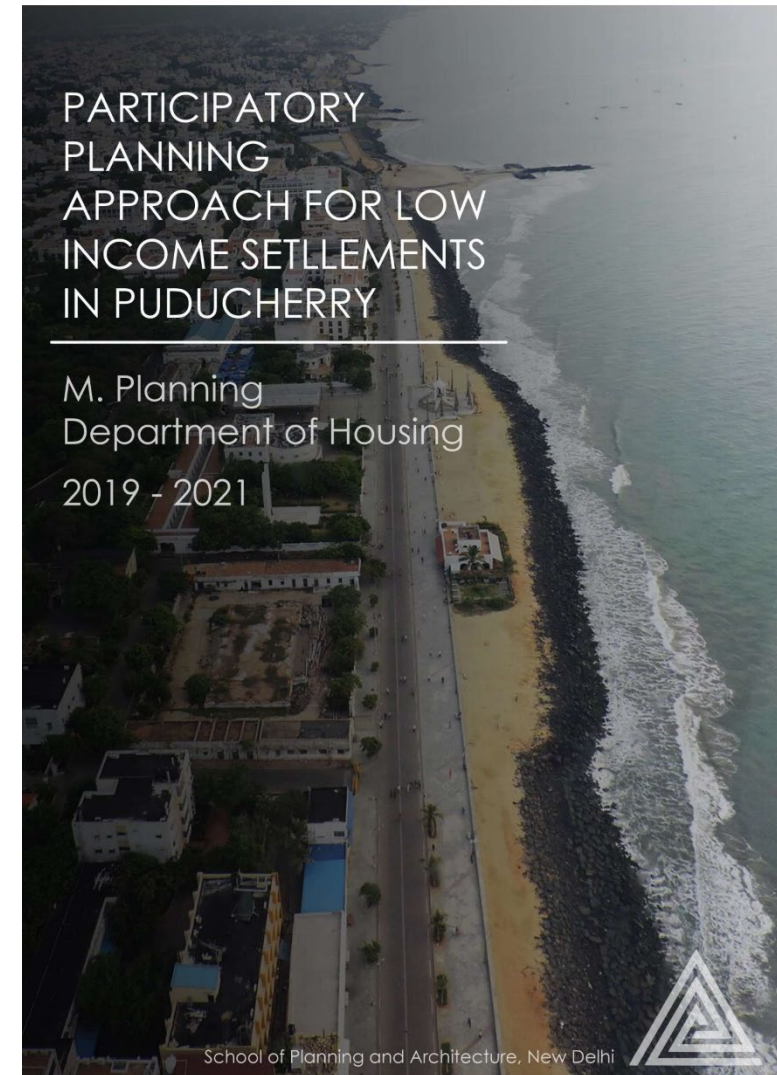


MOU with Puducherry Smart City Limited

SPA Delhi signed an MOU with Puducherry Smart City Development Limited (PSCDL), Sept 2020

Under CITIIS (City Investments to Innovate, Integrate and Sustain) project. Through this MOU the students of Department of Housing got an opportunity to work on live project in their studio programme.

The project was about “Our Neighbourhood is Your Neighbourhood Too – **A Participatory Planning Approach for Improvement of Low-Income Settlements in Puducherry**” envisages to make Puducherry a Smart and Sustainable City through a combination of interventions aiming at enhancing the social, urban and financial inclusion of **low-income settlements in the city.**



**Report Presented to
Honorable Union
Minister of Urban
Development, 2016**

Nellore studio based on Housing Strategy was conducted and the report was presented to the Honourable Minister Shri Venkaiah Naidu.



NELLORE NOW NELLORE NEXT

A Study on "Housing and Urban Development in Nellore City"
Andhra Pradesh



Department of Housing,
School Of Planning and Architecture, New Delhi
Jan- May 2016

Collaboration with UNICEF and Gorakhpur Environmental Action Group Gorakhpur

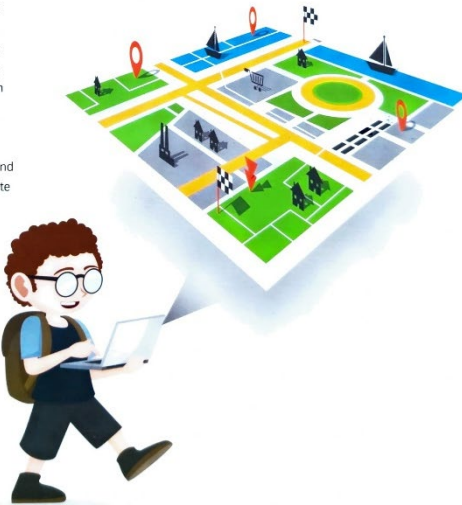
A studio for 3 cities in collaboration with UNICEF, Indian and Gorakhpur was conducted in the cities of Vizianagram, Kakinada and Srikakulam.

CLIMATE RESILIENT AND CHILD FRIENDLY URBAN PLANNING

INTERVENTIONS WITH YOUNG PLANNERS

CITIES ARE HUBS OF INTENSIVE RESOURCE DEMAND, ENVIRONMENTAL DEGRADATION, AND GREENHOUSE GAS EMISSIONS. THEY ARE FACING MULTIPLE CLIMATE INDUCED IMPACTS THAT THREATEN THE URBAN POOR POPULATIONS, ESPECIALLY WOMEN AND CHILDREN AND ALSO ASSETS.

Cities are also becoming the locus of increasing losses due to climate change impacts because of high concentration of population and large scale economic investments. Most of the anthropogenic causes of climate change are linked with cities and cities are facing significant impacts from extreme weather events that come with this. Mainstreaming climate resilience into urban planning and development is essential because climate risks are increasingly becoming an important factor which are defining poverty levels, well-being of poor and marginalized sections of the society, such as women and children, economic growth and good urban development. Thus, climate resilient urban planning needs to consider both current and future climate risks as well as other likely changes in the urban environment.



MAINSTREAMING RESILIENT DEVELOPMENT PLANNING IN SCHOOL OF PLANNING AND ARCHITECTURE'S COURSE CURRICULUM

In India, there is a dearth of both understanding and capacities on mechanisms of integrated urban planning considering development, climate change and disaster management. There is a huge planning gap in the current urban development planning regime where the needs and participation of children as stakeholders in the city planning process are ignored.

Urban planners can support a forward looking approach, influence the long-term decisions across systems and can act as visionaries for climate & disaster resilient and child friendly cities.

SPA'S MASTER OF PLANNING (1ST SEMESTER) INTEGRATED PROGRAM (Housing, Urban Planning, Regional Planning, Transport Planning and Environmental Planning)

SPA's Studio Programme Cities 2017

This programme emphasizes on training students with skills for analyzing physical, social, cultural, economic and ecological dimensions of urban settlements, comprehending their problems, preparing strategies to address the issues and emerging challenges in a planned manner and working out implementation mechanisms.

The studio exercises facilitate practical exposure for students and enable them to learn the various phases of plan preparation and project formulation. This also provides them an opportunity to interact with officials in various departments and familiarize with relevant data collection.

Assignment: Develop an Outline Development Plan (a Master Plan) for the cities

During a span of two weeks, the students collected data under different heads mentioned below:

- | | |
|--------------------------------------|----------------------------------|
| 1. History and Evolution of the town | 7. Transportation Infrastructure |
| 2. Demography | 8. Tourism |
| 3. Socio Economics | 9. Heritage |
| 4. Trade, Commerce and Industry | 10. Environment and Legislations |
| 5. Land-use | |
| 6. Housing | |

The following three surveys were also undertaken by the students:

- | | |
|---------------------|--------------------------|
| 1. Land-use Survey | 3. Transportation Survey |
| 2. Household Survey | |

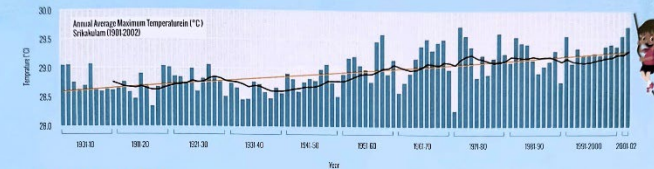


1. Kakinada
2. Vizianagaram
3. Srikakulam



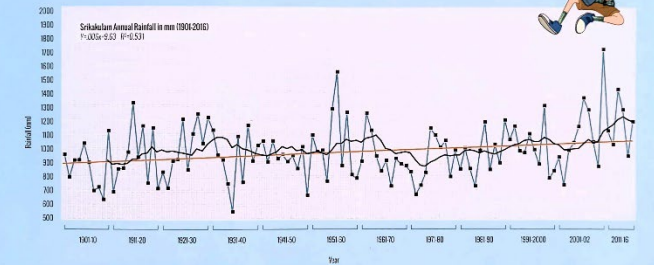
DEVELOPING CLIMATE SCENARIOS SRI KAKULAM

- Sri Kakulam is a coastal city situated in the extreme northern east of Andhra Pradesh.
- Climate of this place is tropical and humid to sub humid conditions
- prevail throughout the year. Average humidity is 70-80%.
- Srikakulam experience both the monsoon i.e. southwest and northeast. SW monsoon contribute 64.7% of its annual rainfall. NE monsoon contributes 28.55% of its annual rainfall.
- Four severe cyclones and ten medium cyclones have hit the city in the past 35 years.
- Once in five years drought condition also prevails over the area.



Present Climate Trends

- Annual mean max. and min. temperature shows significant rising trend (0.80 °C /100 yr. and 0.75 °C /100 yr.) respectively.
- Rainfall shows a significant increasing trend (16 mm/decade) during the periods 1901-2016.
- Extreme weather (Rainfall & Temperature) events are increasing post 1990.
- Sea level rise is 0.70mm/year in last 50 year, due to thermal expansion of warmed ocean.



Future Climate Change Projections

- Mean maximum and minimum temperatures are likely to increase by 1.9 to 2.2 °C & 1.6 to 2.0 °C by the end of the fifth decade of this century.
- An increase of 10-20% in summer monsoon rainfall is indicated by the year 2050. Similarly annual rainfall is likely to increase by 10-15%. NE monsoon also likely to increase by 3-7% by 2050.
- Extreme rainfall events might increase by 10-20% by 2050.
- Hot days and warm night might increase.
- Sea level rise expected 0.21 to 0.48 meter by 2100.

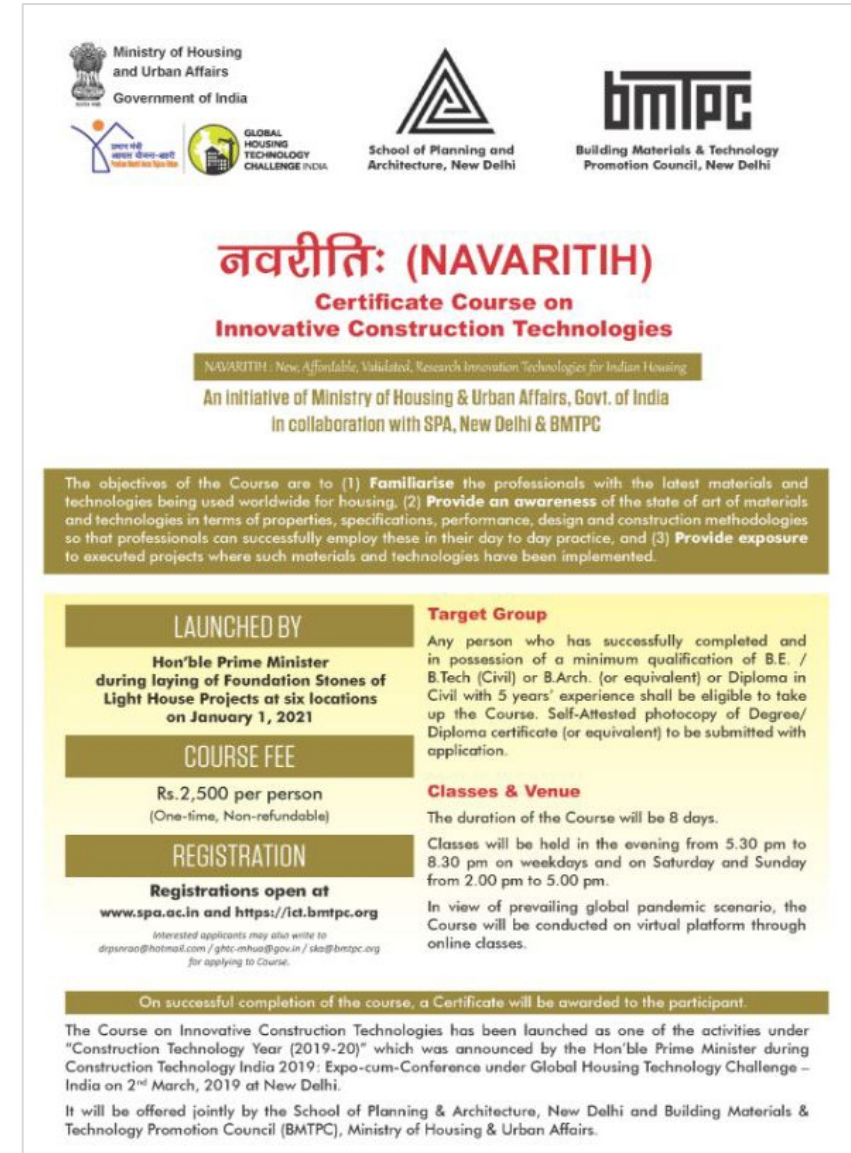
Collaboration with BMTPC

(Building Material Technology Promotion Council, New Delhi)

Certificate Course On Innovative Construction Technologies, an Initiative of Ministry of Housing and Urban Affairs Govt. of India in Collaboration with SPA New Delhi and BMTPC.

The objectives of the Course are to

- (1) Familiarize the professionals with the latest materials and technologies being used worldwide for housing.
- (2) Provide an awareness of the state of art of materials and technologies in terms of properties, specifications, performance, design and construction methodologies so that professionals can successfully employ these in their day to day practice.
- (3) Provide exposure to executed projects where such materials and technologies have been implemented.



The poster features logos at the top for the Ministry of Housing and Urban Affairs, Government of India; SPA (School of Planning and Architecture, New Delhi); and BMTPC (Building Materials & Technology Promotion Council, New Delhi). The central text is in Hindi and English, announcing the 'Navariti: (NAVARITI)' Certificate Course on Innovative Construction Technologies. It includes details about the course's objectives, target group, fees, and registration information.

Ministry of Housing and Urban Affairs
Government of India

School of Planning and Architecture, New Delhi

BMTPC
Building Materials & Technology Promotion Council, New Delhi

नवरीति: (NAVARITI)
Certificate Course on Innovative Construction Technologies

NAVARITI: New, Affordable, Validated, Research Innovation Technologies for Indian Housing

An Initiative of Ministry of Housing & Urban Affairs, Govt. of India
in collaboration with SPA, New Delhi & BMTPC

The objectives of the Course are to (1) **Familiarise** the professionals with the latest materials and technologies being used worldwide for housing, (2) **Provide an awareness** of the state of art of materials and technologies in terms of properties, specifications, performance, design and construction methodologies so that professionals can successfully employ these in their day to day practice, and (3) **Provide exposure** to executed projects where such materials and technologies have been implemented.

LAUNCHED BY
Hon'ble Prime Minister
during laying of Foundation Stones of
Light House Projects at six locations
on January 1, 2021

COURSE FEE
Rs. 2,500 per person
(One-time, Non-refundable)

REGISTRATION
Registrations open at
www.spa.ac.in and <https://ict.bmtpc.org>
Interested applicants may also write to
dipenrao@hotmail.com / ghec-mhwa@gov.in / sk@bmtpc.org
for applying to Course.

Target Group
Any person who has successfully completed and in possession of a minimum qualification of B.E. / B.Tech (Civil) or B.Arch. (or equivalent) or Diploma in Civil with 5 years' experience shall be eligible to take up the Course. Self-Attested photocopy of Degree/ Diploma certificate (or equivalent) to be submitted with application.

Classes & Venue
The duration of the Course will be 8 days.
Classes will be held in the evening from 5.30 pm to 8.30 pm on weekdays and on Saturday and Sunday from 2.00 pm to 5.00 pm.
In view of prevailing global pandemic scenario, the Course will be conducted on virtual platform through online classes.

On successful completion of the course, a Certificate will be awarded to the participant.

The Course on Innovative Construction Technologies has been launched as one of the activities under "Construction Technology Year (2019-20)" which was announced by the Hon'ble Prime Minister during Construction Technology India 2019: Expo-cum-Conference under Global Housing Technology Challenge - India on 2nd March, 2019 at New Delhi.


It will be offered jointly by the School of Planning & Architecture, New Delhi and Building Materials & Technology Promotion Council (BMTPC), Ministry of Housing & Urban Affairs.

Field Visit – 2024 Katputli Colony – Slum Redevelopment by PPP

10 Jan 2024, SPA D Dept of Housing - COARC - AIIS faculty Development Seminar, where Prof. Dr. P.S.N. Rao and Associate Prof. Dr. Ruchita Gupta, shed light on “The city of Delhi-History and Urban Planning and Informal Housing in Delhi”




SCHOOL OF PLANNING AND ARCHITECTURE,
NEW DELHI
(an Institution of National Importance
under an Act of Parliament)



CAORC-AIIS Faculty
Development Seminar

**EXPLORING
URBAN
SUSTAINABILITY
THROUGH
INDIAN CITIES**

Thursday,
11th January 2024,
New Committee Room



10.00–10.30	Arrival, Tea & Coffee	
10.30–10.40	Welcome, Introductions, About the School	Prof.Dr.Meenakshi Dhote, Dean (A)
10.40–10.50	Research Initiatives in the School	Prof.Dr.Sanjay Gupta, Dean (R)
10.50–12.00	The City of Delhi- History and Urban Planning	Prof.Dr.P.S.N Rao, Dean (P&D)
12.00–13.00	Informal Housing in Delhi	Dr. Ruchita Gupta, HoD Housing
13.00–14.00	Lunch- Group Photo	
14.00–18.00	Field Visit 1	Slum Redevelopment , Katputli Colony, Kalkaji, New Delhi
	Field Visit 2	Sanjay Nagar, a slum along a drain



10 Jan 2024, SPA D Dept of Housing - COARC - AIIS Site Visit to Katputli Slum Redevelopment Project (undertaken in PPP mode), to be inaugurated by PM Shri Narendra Modi in March 2024