

SEMINAR SERIES '17



School of Planning
and Architecture,
New Delhi

PROJECTING 2037

TODAY'S PREDICTIONS - TOMORROW'S POSSIBILITIES

9TH TO 11TH
NOVEMBER

3 DAYS . 29 SEMINARS . 1 THEME

The School of Planning and Architecture hosts the seminar week annually. It is a series of presentations given by the fifth year students of architecture and is a culmination of semester long research. This year theme for the seminar series is "Projecting 2037".

Venue:
Architecture block,
School of Planning and
Architecture, New Delhi



ACKNOWLEDGEMENTS

The seminar Team would like to acknowledge the constant support extended to us by:

Prof. N. Sridharan, Director
Prof. Surinder Suneja, Dean Academics
Prof. Dr. Sewa Ram, Registrar
Prof. Manoj Mathur, HOD, Architecture
Parag Anand Meshram, HOD, Industrial Design
Prof. (Dr.) Aruna Ramani Grover, Final Year Co-ordinator

SPA Workshop ; SPA Administration. Office, Architecture

Seminar Guides

Graphics Team:

B. Kiran
Sunair Raj
Nikhil Pawar
Riddhi Batra

Guest Lectures:

Jatin Singh, Skymet
Abhishek Upadhyay, OLX
Gautam Ghai, SourceFuse

Social Media Team:

Sunair Raj
Deovrat Jaiswal

PROJECTING 2037



CONTENTS

Acknowledgements	02
Note from the HOD	04
Seminar Theme	05
Seminar Team Coordinators	06
Seminar Team Guides	07
Seminar Team Students	08-09
Exhibition Layout	10-11
Project Abstracts	12-40

“The Seminar series of Fifth Year is one of the pillars holding aloft the pinnacle of the B. Arch. program at SPA, New Delhi. It comprises approximately 16 weeks of research, documentation, analysis culminating in a paper that is published in the Seminar yearbook. Running successfully for over 20 years now, the yearbook has gained a reputation in the larger academic community of Architecture in India.

Working in groups of 4-6, students investigate thoroughly the topics offered by advisors within a scope devised by the coordinators, representing the research agenda of the Department of Architecture. Academics and practicing professionals collaborate on this open platform of research to connect with the city. For students, it is an exciting exposition to the urban realm and an opportunity to see contemporary issues from a fresh perspective.

There will be a tomorrow, may be a bankable certainty; a child will grow to be six feet tall a reasonable probability; Artificial Intelligence will end the human race is perhaps only a distant likelihood. Forecasts, it seems, are like time capsules, designed for retrospective amusement rather than to be taken seriously as they are first made. Architects, however, cannot risk being passive observers of the unfolding drama. Every time we begin a project, we speculate how it will end. This makes us both forecasters and visionaries, reading the trends even as we create the future that we want for ourselves. We set the stage for the drama. We must forecast the future because we are going to spend our life there. This exploration creams up all our concerns of present-day urbanity.

The fresh perspective this year is reinforced by a paradigm shift in presentation, engaging the audience more actively with interactive, multiple presentation podiums. In more ways than one, The Seminar series of 2017-18, ‘Projecting 2037’, is a giant leap forward”

- Prof. Manoj Mathur | Head of Department, Architecture

“Architects of the future needs to proactively engage with their present. Emerging new parameters, and resources, further and further necessitates developing new thinking and attitudes towards production of, and the built environment itself. If we are to make ourselves relevant in the future we ought to move beyond problem solving and imagine the possibilities today that time will bring forth.”

- Mrs. Anjali Mittal | Studio Coordinator, Seminar 2017

“Predicting the future is a dangerous and exciting venture. Predictions are frequently wrong or redundant. Complexity is multiplied in the urban realm, which is massive. Only comprehensive multidimensional studies present possibilities.

Every future has to rise above mundane visions of technology in media space and pop culture and truly look at the societies, events and consequences of the future. Every projection tells us a truth about today.

- Mr. Rajiv Bhakat | Studio Coordinator, Seminar 2017

“Architectural consultancy in its current format is under threat. It is empirical for Architectural Studios to adapt instantly to the varied expectation of the equally varied commissions. Technology is only one aspect of the change that would be affecting the profession drastically in the near future; in 20 years our role within the AEC industry would alter completely. Can we prepare ourselves to address an architect’s role and need? ”

- Mr. Abhishek Bij | Studio Coordinator, Seminar 2017

The research seminar program at the School of Planning and Architecture combines the unique academic resources available to the one of the India's premier schools of design in its capital city with the enthusiasm of research abilities of students in their final year of the undergraduate program. Groups of students select areas of interest and work for a semester with full time academics and practicing architects from a variety of disciplines.

The questions and issues are often open ended within a broad defined area of investigation. This allows the students to follow unexpected and unusual paths through their studies; often arriving at surprising, dynamic conclusions which are sometimes overlooked or unclear in the realm of dominant, institutional research.

The 2017 research seminar group at SPA has projected Indian urban futures for 2037.

The theme originated from the need to look into the future more proactively to keep up with the technology and changes and more importantly to address the need to shift from more problem solving to visions – an attitude reflected in our research and our designs.

A time frame of 20 years was selected to be far enough that the projections will not be more redundancies but close enough to avoid merely prophesying science fiction.

It is also today clear that many science fictions of the recent past have already become our present. As Alvin Toffler stated, "The rate of change of accelerating."

It was decided that projections of the future are the result of contextual studies of the past and the present. The realms of studies include rapidly depleting resources, climate change, increasing urbanization, rapid advancements in emerging technologies; changing social, economic and political patterns, changes in professions, issues of sustainability and environmental concerns, life-spans and life-styles and changing policies and economic systems.

Indian cities can no longer be viewed as mere applications of master plans. Most Indian cities deviate from carefully planned schemata by embracing the informal, the serendipitous, the chaotic, the weird and the wonderful. If current trends are truthfully analyzed they present projections for the future. These projections foretell, warn and sometimes tell us inconvenient truths. They allow us to retrace our steps, question our beliefs and possibly change.

Projections are derived not just from facts and data but also from hopes and dreams. Students were encouraged to read, watch movies and imagine. They were asked:

What do you see? Where do you stand? Do you know what to expect? Can we at all be expected to project ourselves into the future with our feet so firmly rooted in the present? To use a famous phrase: Yes we can, Yes we must and Yes we will.

The future is now!



Ms. Anjali Mittal Anjali Mittal is an Assistant Professor at the Department of Architecture, SPA, Delhi. Her research and teaching at the Department is in the domain of socio-spatial processes, settlements under transition, urban-rural migration, housing, and research methodology.

[B.Arch | TVB,
Delhi]
[M.Sc | LSE,
London]

She has over 10 years of professional and research experience in India and abroad. Her range of experiences both in the urban and rural context; public and private sector; familiarity with urban development issues in developed and the developing world; ability to deal with complex issues of negotiating development and community aspiration, urban and rural transformation and rural-urban interface empowers her as a professional as well as an academic.

She has lectured at University College of London and presented her work at various international forums.

Mr. Rajiv Bhakat Rajiv Bhakat is a Partner of Studio CoDe, a successful, multidisciplinary firm in New Delhi, practicing architecture, urban design, interior design and communication design.

[B.Arch | SSAA,
Gurgaon]
[M.Arch | UPenn,
Philadelphia]

Projects at Studio CoDe have included urban designs, large scale housing projects, shopping complexes, office buildings and interiors and several high end residences.

He is also the author of the stories of "Paradiso", a graphic novel based in a post apocalyptic city releasing in December, 2017.

Rajiv currently teaches at the B. Arch and M.Arch - Urban Design programs at the School of Architecture and Planning and has previously taught at the University School of Architecture and planning, New Delhi. He has lectured and juried at the University of Pennsylvania and the Parsons School of Design.

Mr. Abhishek Bij Abhishek Bij is an Associate and The Lead Designer at Design Plus Architects. Design Plus is probably the only Architectural Firm in India to win 6 National Level Design Competitions since 2010.

[B.Arch | SSAA,
Gurgaon]
[M.Arch | AA_
DRL, London]

Abhishek is critical of the ubiquitous urban information that is constantly available as design information. This is expressed via his interests in Computational Design and Democracy of Design

Abhishek is a keen academic. He has taught at various Architecture Schools in several capacities that include computational workshops to being Unit Master to guiding Research and Thesis Projects.

Abhishek has shared his views on Architectural Design and allied concerns at several public forums and Publications

Prof. Manoj Mathur - HOD, Deptt of Architecture, at School of Planning and Architecture, Delhi
[B.Arch | SPA, Delhi]

Dr. (Prof.) Anil Dewan - Professor at School of Planning and Architecture, Delhi
[Phd | SPA, Delhi]

Ms. Mekhla Parihar - Assistant Professor at School of Planning and Architecture, Delhi
[M.Arch | Human Behaviour and Environment_Kansas State University]

Ms. Aarti Nagpal - Assistant Professor at School of Planning and Architecture, Delhi
[M.Plan | MNIT, Jaipur]

Mr. Parag Anand - HOD, Deptt of Industrial Design, at School of Planning and Architecture, Delhi
[M.Des | IITP]

Ms. Aditi Singh - Assistant Professor at School of Planning and Architecture, Delhi
[M.Des | ID_SPA, Delhi]

Dr. Anvita Arora - MD and CEO at Innovative Transport Solutions (iTrans) Pvt. Ltd.
[Phd | Transport Planning_IITD]

Mr. Suditya Sinha - Founding Partner at Space Matters
[B.Arch | SPA, Delhi]

Mr. Kanishka Prasad - Founder + Principal at Design Daftar
[B.Arch | TVB, Delhi]

Ms. Nidhi Batra - Specialist at National Skill Development Corporation, India
[M.UD | SPA, Delhi]

Mr. Nitin Bansal - Senior Associate at Morphogenesis
[M.Sc | AA_SED, London]

Ms. Isha Anand - Associate at Morphogenesis
[M.Arch | AA_SED, London]

Mr. Abhishek Sorampuri - Lead Architect at Sparrow Interactive
[B.Arch | VNIT, Nagpur]

Mr. Sushant Verma - Founder + Principal at rat[LAB]
[M.Arch | AA_Em.Tech, London]

01. Remote Working

Arushee Yadav
Pavan SuryaTeja K.
Shivani Subba
Somrita Bandyopadhyay

02. Net-Zero Neighbourhood

Ashish Priyadarshi
Arushi Agarwal
Suryansh Goyal
Kanchan Naik

03. Caution! Speed Bump Ahead

Prateek Singh
Akanksha Pal
Shaurya Kumar Rakesh
Asad Rahimi
Pratyush Pratik

04. Public Space Inclusivity

B. Kiran
Mohammed Nihal
Pratyusha Halder
Raghav Rayasam

05. Future Cast

Deovrat Jaiswal
Apurv Kashyap
Gagandeep Singh
Nischay Singh

06. R.I.P. Master Builder

Akanksha S. Rao Harkunwar
Singh Mrinalini Verma
Vasanth Mayil
Vipanchi Handa
Vrinda Jain

07. Archi-Shala

Anila Sabu
Pooja Gangwar
Rina Singh
Shyam sundar Meher
Tanya Thakur
Vinti Agarwal

08. Archi-Abhyas

Aarushi Jain
Anuj Kumar
Nitika Negi
Shivang Bansal
Sumairha Mumtaz

09. Retail Sutra

Aditi Kashyap
Imdadul Barbhuyan
Jayati Chopra
Rashmi Jain
Shruti Singh
Sounak Majumdar

10. Transit Oriented Drama

Amba Gupta
Arushi Malhotra
Neha Gupta
Sonal Takkar

11. Reinforcing The Contemporary For 2037

Abhiram Dileep
Akaash Karan
Mili Jain
Rishabh Jain

12. Connected And Autonomous

Alvira Shrestha
Saket Prakash
A.V. Dipen Kumar
Mohd. Saifiz
Shubham Singh
Kunal Humagai

13. Paidal Ya Pedal!

Ruchika Raina
Omkar Nath Yadav
Jugal Kishore
Shahid Iqbal
Renu Daranga

14. Delhi Heights

Jatin Singh
Nimisha Bagda
Sharda Bhagat
Upasna Basra
Sabyasachi Biswas

15. Corporate Dystopia

Iman Bhattacharyya
Annam Irfan
Gunraj Singh Khandpur
Kanwaljeet Singh

16. Vanishing Islands

Andem Sai Srivathsav
Cherupally Varun Teja
Murari Kumar Raja
Siriki Priyanka

17. Projecting the Rural 2037

Bishal Pokhrel
Parinay Aggarwal
Pranay Gupta
Snehal Raju Dongre

18. F_UNEMPLOYED

Akshita Yadav
Amrit Sindhu
Rupak Mishra
Vishal Prasad
Yogesh Saini

19. Chalte Chalte Kat Jaayein Raste

Abhijit Trimukhe
Nikhil Pawar
Rabab Rabbani
Shikha Puri

20. Paisa Aapka Faisla Aapka

Yamini Patidar
Aduiti Sharma
Chitranshu Verma
Sunair Raj
Mahalakshmi H.V

21. Facade '37

Arpit Jain
Krishna Kafley
Lalbiak Zuala
Priyanka Gupta
Sangay Wangdi
Tsewang Giacho

22. Virtually Together

Mayank Pandey
Yashwin Dev
Tirthraj Urawn
Kushal Ghimiray

23. Smarter Homes

Anjum Khan
Harsh Vardhan Joya
Kumar Rishav
Subhi

24. 20 Years of Nothing

Aparajita Komanduri
Dharna Mudgal
Prthivi Hegde
Sanmadi K.R
Shravan Kumar
Vertika Kapoor

25. Apotheosis of Algorithms

Sashank Macharla
Akash Das
Nayan Jain
Sanjay Dalke

26. Water Scarce (City): Delhi 2037

Kanchan Joneja
Manorama
Sukriti Thukral
Therli Krishna Priya

27. AI/AX

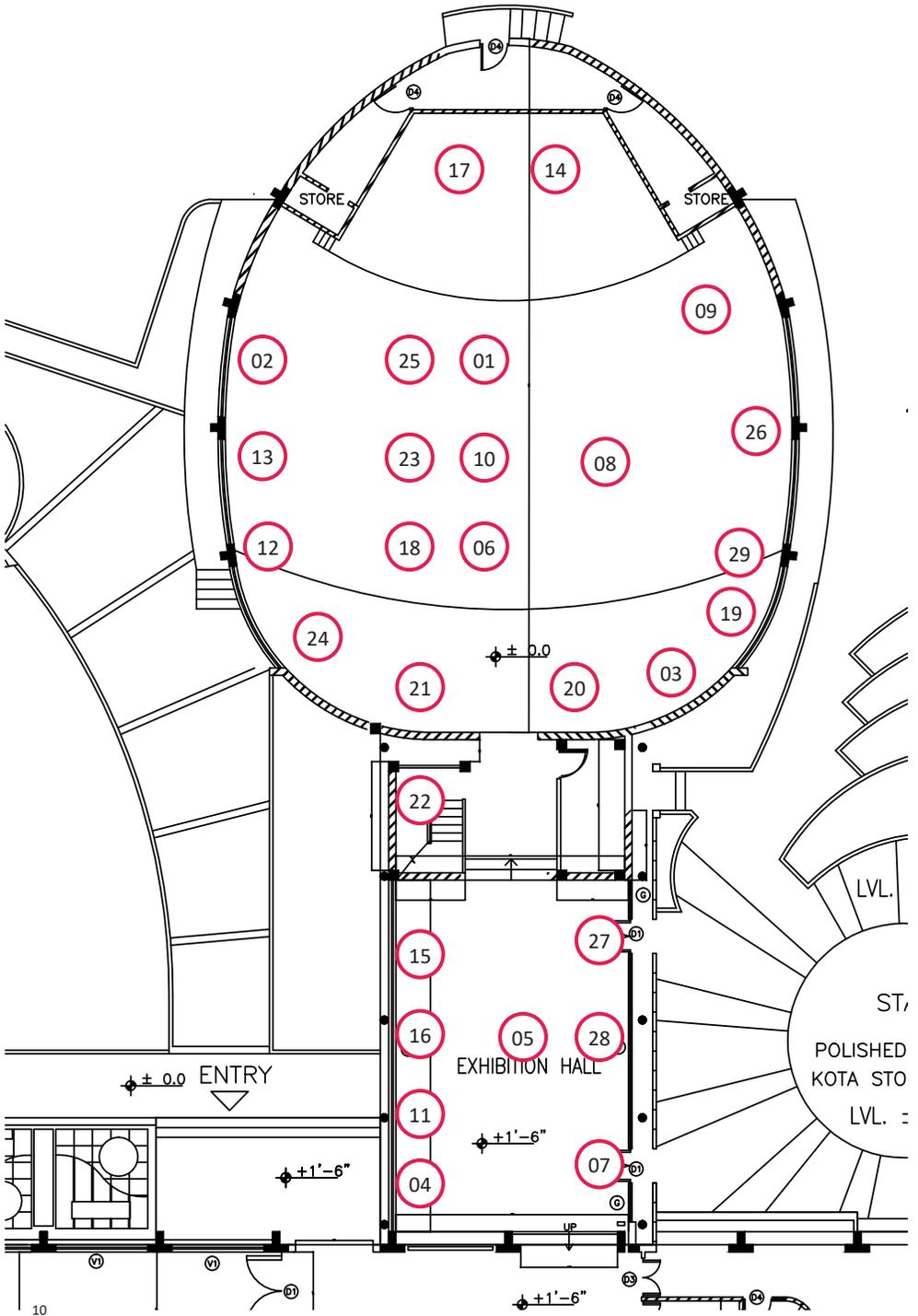
Bhavya Godara
Anant Mital
Pravar Gupta
Riddhi Batra

28. Collaboration of Intelligence

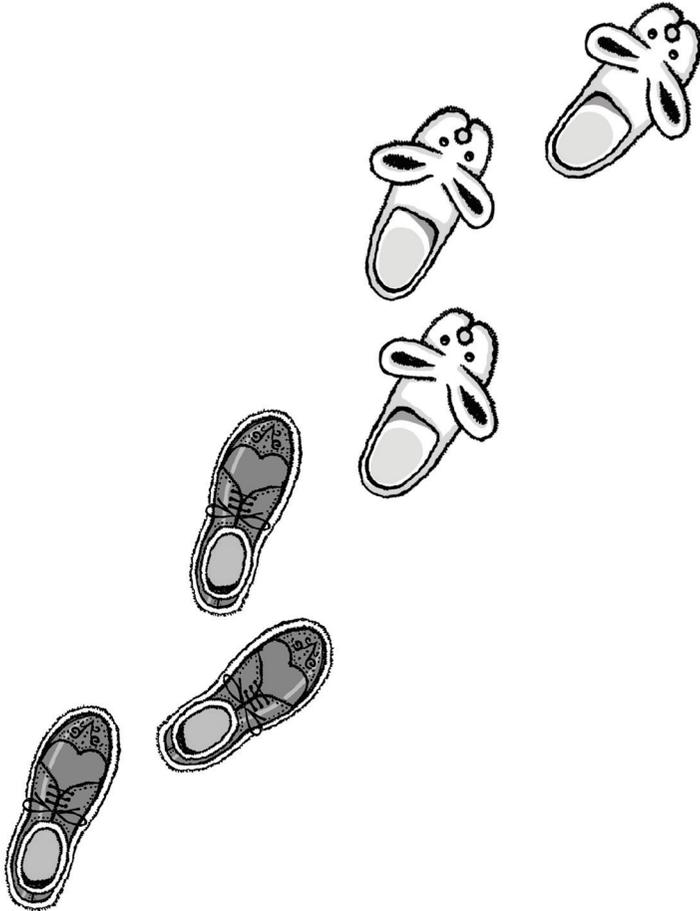
P. Theertha Suresh
Devprashanth K.
Diksha Singh
Goutham Othayoth
N.M Shree Chaithanya
Rudra Sharma

29. Modular Architecture

Ajitesh Murmu
Akshay Sharma
Daksh Tandon



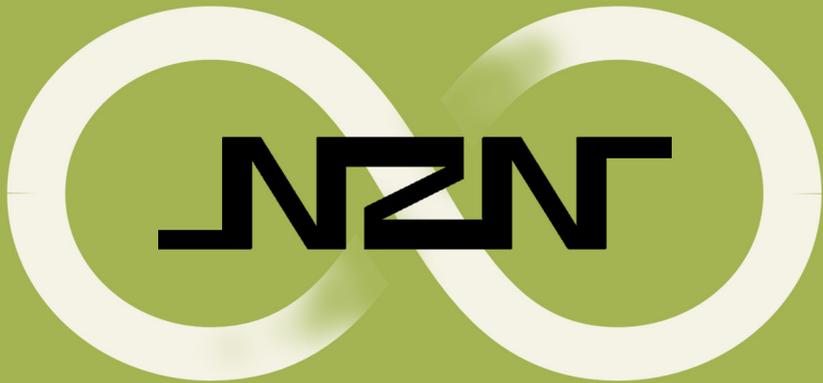
**PROJECTING
2037** 
PROJECTS



01. Remote Working

Students: Arushee Yadav, Pavan SuryaTeja K., Shivani Subba, Somrita Bandyopadhyay
Guide: Nitin Bansal

By 2037 more than 60% of population will live in dense urban cities which will put a tremendous pressure on the infrastructure of these cities and result in poor living conditions for the city residents. With the advancement in technology a lot of jobs may be performed remotely without the need for the workers to go to a specific work place. This research seminar explores the possibility of de-densification of urban cities and new settlements typologies which may emerge as a result of remote working.



Taking Neighbourhoods from **ZERO to Infinity**

02. Net-Zero Neighbourhood

Students: Ashish Priyadarshi, Arushi Agarwal, Suryans Goyal, Kanchan Naik
Guide: Nitin Bansal

While a lot of research and effort is being made towards making the new build net-zero but very little is being done for the existing building stock in India. A dream of net zero future will be distant if we don't think about the strategies to retrofit existing building stock. Delhi has a large inventory of existing housing lot which has a potential of being net-zero in energy, water and waste. This research seminar explores the path to net-zero neighbourhoods in 2037.



03. Caution! Speed Bump Ahead

Students: Prateek Singh, Akanksha Pal, Shaurya Kumar Rakesh, Asadullah Rahimi, Pratyush Pratik Guide: Mekhla Parihar, Aarti Nagpal

The growing population is adding tremendous pressure to the transportation system of Delhi. The city is becoming chaotic, leading to severe congestion, increasing road accidents, deteriorating air quality and urban environment. New, innovative and sustainable steps have to be taken to prevent these situations in future. This seminar would analyze various strategies that can be used to achieve desirable transportation systems for the community within the next 20 years.

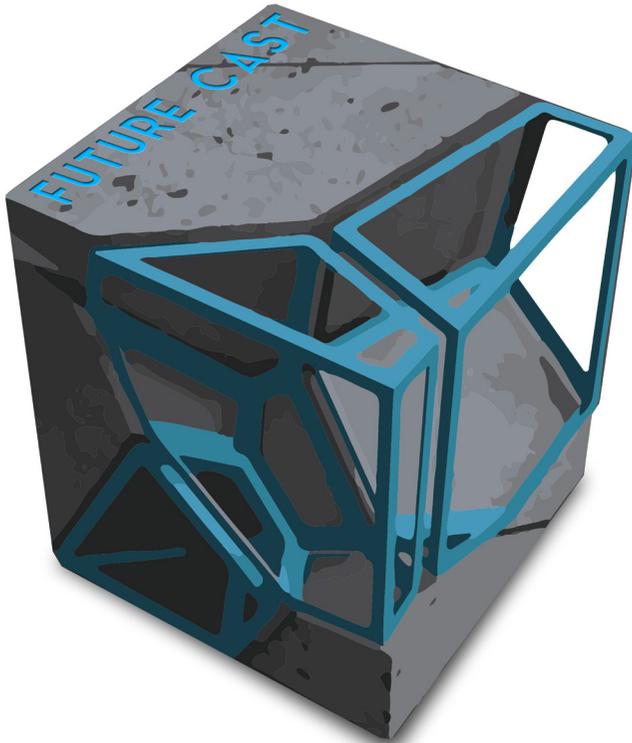


04. Public Space Inclusivity of Delhi's Urban Poor

Students: Kiran Babu, Mohammed Nihal, Pratyusha Halder, Raghav Rayasam

Guide: Nidhi Batra

Twenty years from now will the urban poor continue to be excluded from the public domain and remain a hidden NIMBY of our cities Or will they negotiate, navigate and co-exist in the city's public spaces? The seminar predicts technological advancements in cognitive technology that will transform the way public spaces are experienced and enjoyed by the marginalized socio-economic strata of Delhi.



05. Future Cast

Students: Deovrat Jaiswal, Apurva Kashyap , Gagandeep Singh, Nischay Singh

Guide: Isha Anand

The Indian construction industry is dominated by the use of Cement concrete. The material and the related construction technique is predominant and adaptable to various scale and economics of projects. Whilst, it is impossible to eliminate the material from future of construction industry in the next 20 years , an attempt is made in this research to explore the improvements for the material and its application in the future. This is done in a two-fold approach:

1. Identifying the glitches faced with the use of cement concrete
2. Potential improvement of the material in the future with the current research being developed towards it.



06. R.I.P._ MASTER BUILDER [Re-Inventing Architectural Practice]

Students: Akanksha S. Rao, Harkunwar Singh, Mrinalini Verma, Vasanth Mayil, Vipanchi Handa, Vrinda Jain

Guide: Isha Anand

Over years, even centuries the Architect of a project remains the star of the project. He is the jack of all trades, the master builder and the key that holds the project and the team together.

Whilst the role of an architect as the chief designer remains intact, but with the growth in technology, scale of projects and types of specialisation in the construction industry, the architect needs to become a part of a team as opposed to the Master Builder, for an integrated approach to project delivery. This research seminar explores the need for Collaboration and the various models of collaboration between multidisciplinary professionals

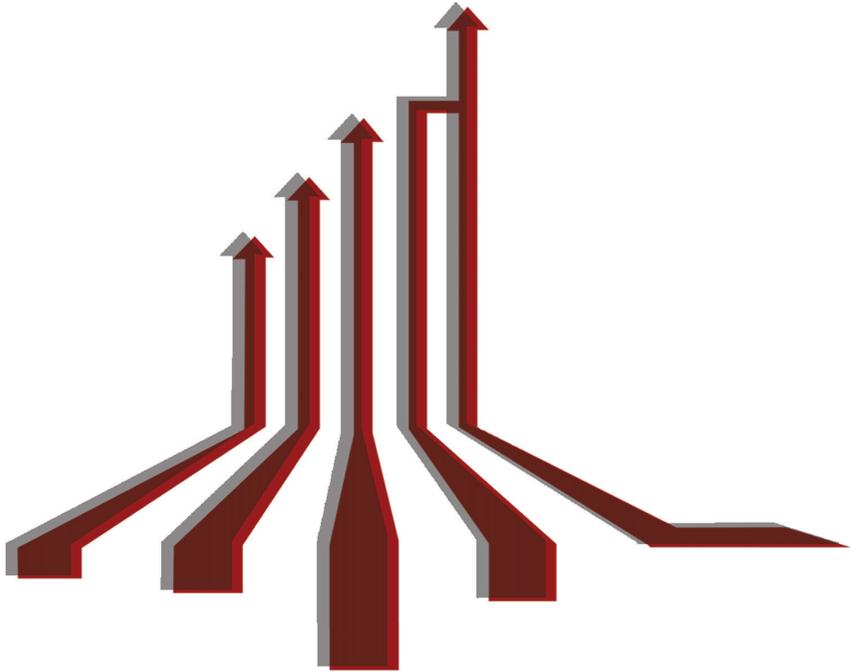


07. Archi-Shaala

Students: Anila Sabu, Pooja Gangwar, Rina Singh, Shyam Sundar Meher, Tanya Thakur, Vinti Agarwal

Guide: Abhishek Bij

With the relevance of architectural practice under question, is the education preparing proponents of the profession for the immediate future. The seminar questions the romanticised utopian image of a future architectural studio as an aspiration. This is done by identifying the lacunae in curriculum by mapping with various national and international courses of allied professions.



08. Archi-Abhyas

Students: Aarushi Jain, Anuj Kumar, Nitika Negi, Shivang Bansal, Sumatra Mumtaz

Guide: Abhishek Bij

The relevance of an Architectural practice is a proverbial concern that clouds the fraternity. It is a diminishing profession in its current state. The seminar paints multiple forms a practice could take in the next 20 years. Critiquing restrictions on acquiring global projects or limitations of partnership or expectations of comprehensive architectural services.



09. Retail Sutra

Students: Aditi Kashyap, Imdadul Barbhuyan, Jayati Chopra, Rashmi Jain, Shruti Singh, Sounak Majumdar

Guide: Abhishek Sorampuri

With the rise of virtual stores like amazon, e-bay etc, the retail sector has made a huge shift from physical to virtual in last few decades and has gone global as well. The seminar explores this shift after 20 years in Indian context by keeping the projection of existing technologies, mode of transactions, manufacturing process, and decentralization of marketplaces.



10. Transit Oriented Drama

Students: Amba Gupta, Arushi Malhotra, Neha Gupta, Sonal Takkar

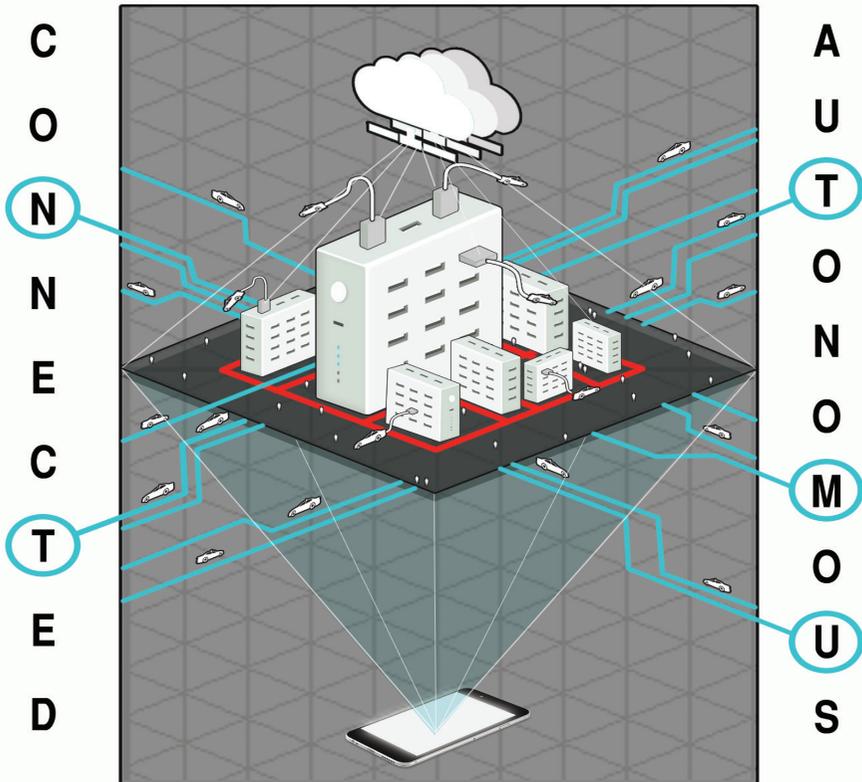
Guide: Abhishek Sorampuri

With the increasing population, Delhi is looking for a solution to its mobility, mixed use developments, pedestrianisation, effective planning and most importantly effective network along transit corridors. The city demands constant revisions. Planning policies need to revise, update and thought anew constantly. This seminar critically analyses and projects the fragmented future of 'Transit Oriented Development' as a popular planning strategy in Delhi. The fractured interface of 'transit' and 'development' and the resulting chaos already dominate our everyday experience and this ruptured condition is projected to increase exponentially.



11. Reinforcing The Contemporary For 2037
Students: Abhiram Dileep, Akaash Karan, Mili Jain, Rishabh Jain
Guide: Prof. Manoj Mathur

Acknowledging the long-term flaws of our present-day consumerist approach to building and construction, the seminar posits retrofitting as the way forward. Basing itself in Delhi, the study first defines the social, cultural, environmental and political landscape of 2037. Further on, it examines the future prospects of present day buildings and proposes retrofit solutions that will help them in staying relevant



12. Connected And Autonomous

Students: Alvira Shrestha, Saket Prakash, A.V. Dipen Kumar, Mohd. Saifiz,
 Shubham Singh, Kunal Humagai
 Guide: Dr. Anvita Arora

Come 2037, the culture of ownership will have changed dramatically and people will simply not buy stuff the way they do today. Products will have evolved into services, and this shall reflect in the mobility sector as well. This sharing economy will be enabled by the Internet of Things giving rise to a transportation internet, where every individual will own a ride rather than a vehicle, among other developments, with respect to daily commute. This seminar aims to uncover and account for the effect of such developments on the built form, where shared value is the key deciding factor.

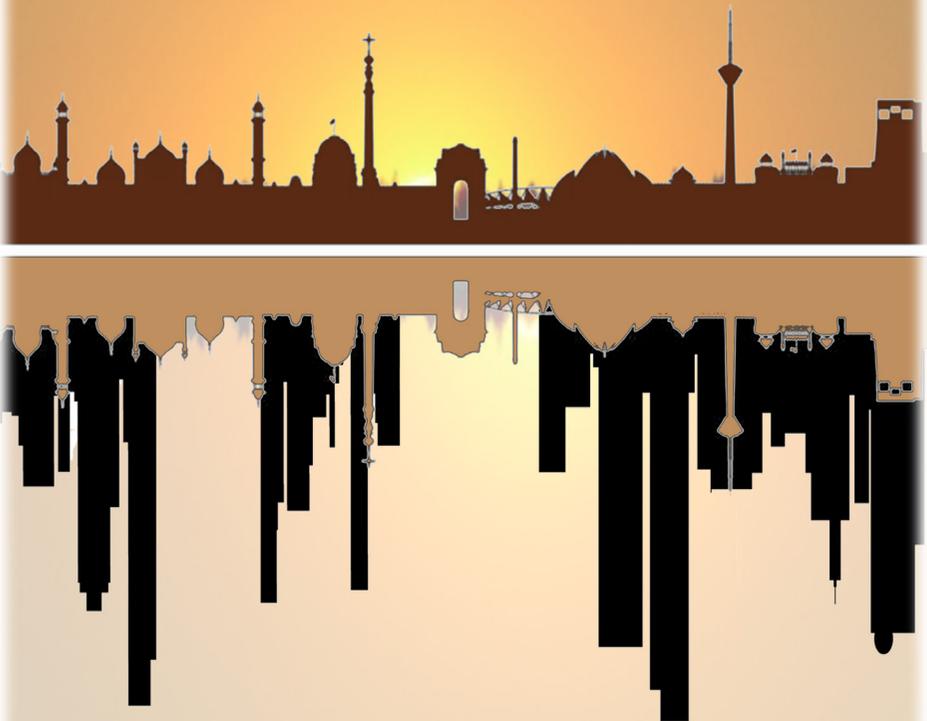


13. Paidal Ya Pedal!

Students: Ruchika Raina, Onkar Nath Yadav, Jugal Kishore, Shahid Iqbal, Renu Daranga
Guide: Anjali Mittal, Rajiv Bhakat, Abhishek Bij

Last mile connectivity is critical to the success of any public transport system. Delhi government's proposal for improved BRT corridor for efficient commute and spreading network of metro over the interior parts of the city faces this challenge. New initiatives proposed by UTTIPEC are promoting non-motorised transport with proposals for fully shaded comfortable streets of the planned gated societies of Delhi. This seminar investigates the transformation and evolution of non-motorised transport in Delhi city and the challenges it poses.

DELHI HEIGHTS



14. Delhi Heights

Students: Jatin Singh, Nimisha Bagda, Sharda Bhagat, Upasna Basra, Sabyasachi Biswas
Guide: Rajiv Bhakat

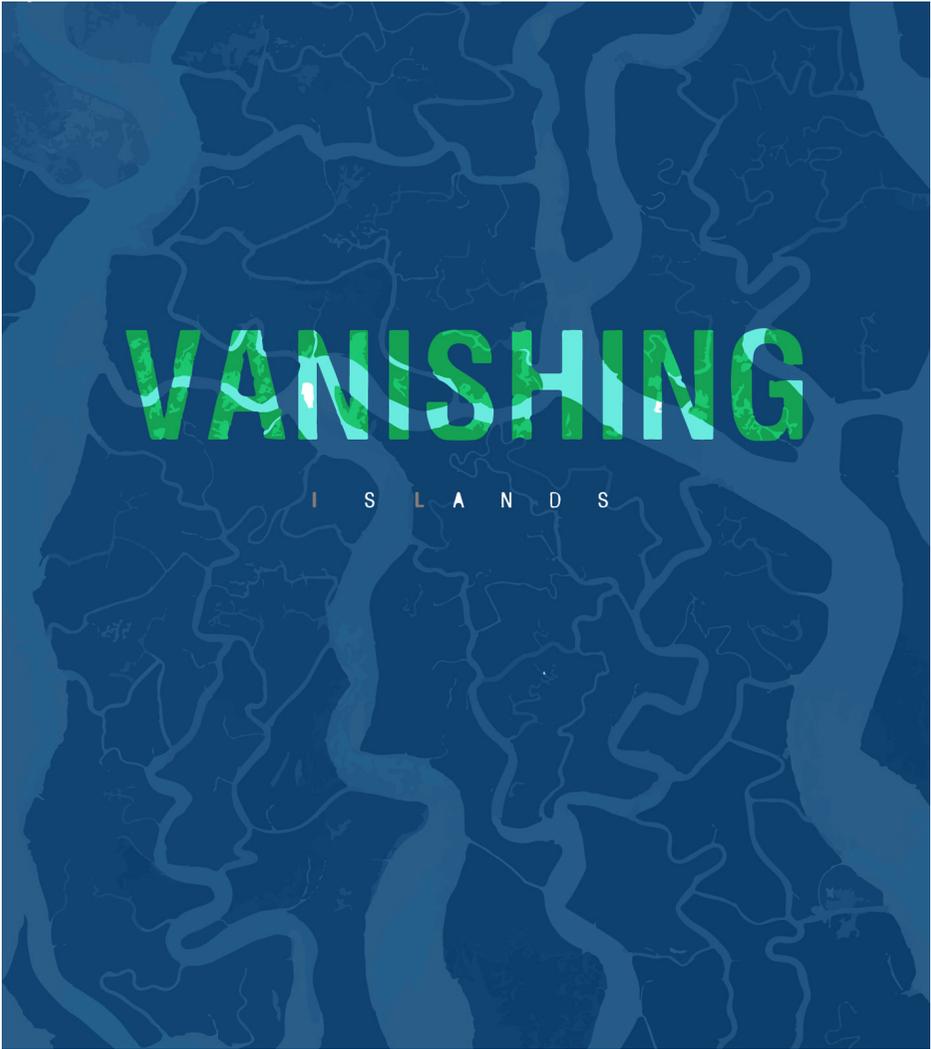
Studying urban form, land values and availability, housing requirements, energy requirements and existing bye laws, the projection argues that the only just, equitable and sustainable wayforward for National Capital Region is to build taller buildings within.



15. Corporate Dystopia

Students: Iman Bhattacharyya, Annam Irfan, Gunraj Singh Khandpur, Kanwaljeet Singh
Guide: Rajiv Bhakat

The projection questions and examines the hegemony of corporations and corporate culture in the world today. Focusing on externalities – a traditionally economic term, the group projects city form and urban life as corporations dominate the nature and form of cities leading to socio-economic segregation, gating and corporate control over the commons.



16. Vanishing Islands

Students: Andem Sai Srivathsav, Cherupally Varun Teja, Murari Kumar Raja, Siriki Priyanka
Guide: Kanishka Prasad

A land and architecture, the realisation of human habitation, faces the wrath of a rising water. Unlike the dramatic submergence of urban form in the movie 2012, Vanishing Islands traces the silent inundation of the islands of the Sunderbans due to rapidly rising global sea levels. What is a home today flush with life and joy will be reduced to an abandoned underwater relic of the past tomorrow. This inevitability lies at the core of this presentation.



17. Projecting the Rural 2037

Students: Bishal Pokhrel, Parinay Aggarwal, Pranay Gupta, Snehal Raju Dongre
Guide: Kanishka Prasad

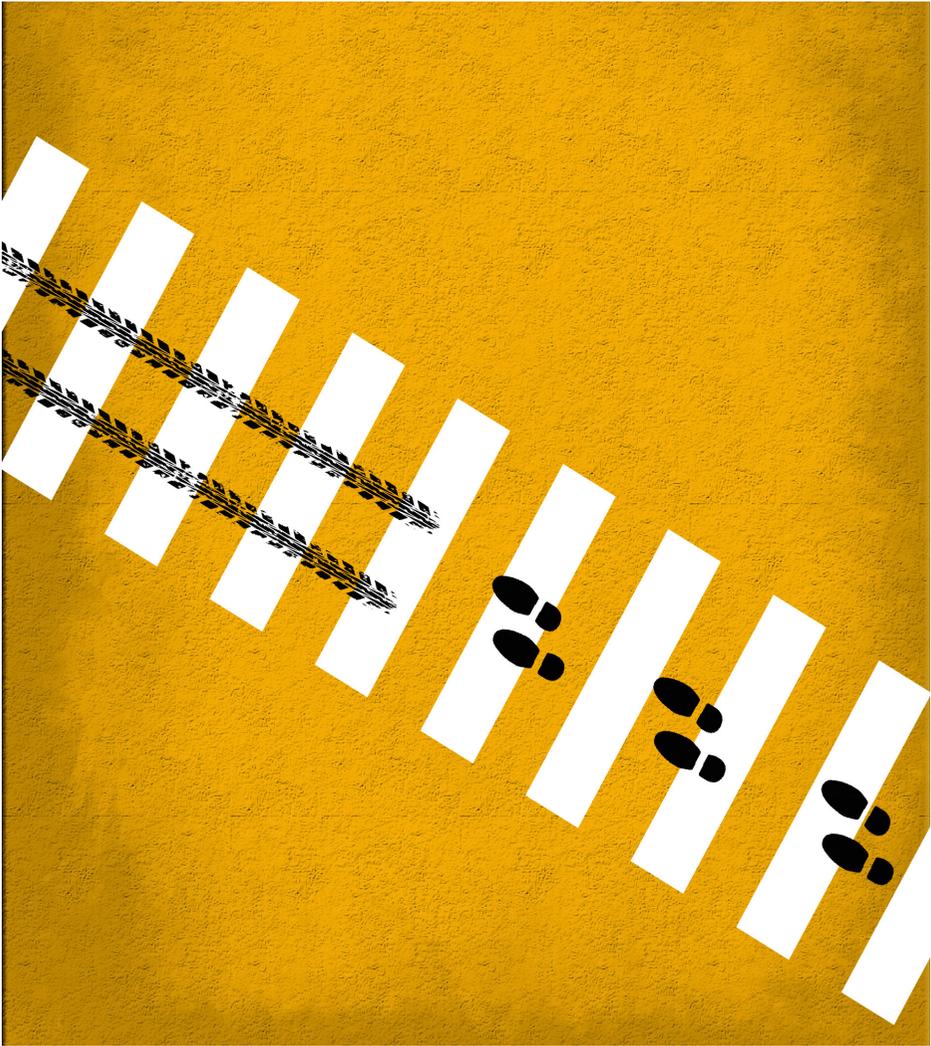
A set of three rural village hamlets with a rich religio-cultural identity, in the hill state of Himachal Pradesh become the stage to observe the quintessential conflict between 'tradition' read vernacular and 'modernity' or the incoming tourist driven developments. But this present moment and so it's projection 20 years hence is viewed not as a binary of opposites but as a complex reality with myriad dimensions. It hopes to present a sensitive and nuanced view of a problematic past, present and future.



18. F_UNEMPLOYED

Students: Akshita Yadav, Amrit Sindhu, Rupak Mishra, Vishal Prasad, Yogesh Saini
Guide: Dr. Anil Dewan

Year 2037. No Jobs. No Work. Idle minds. For 50% of the population. Universal basic income guarantees them minimal sustenance resources. What will their lives be like? Where will they live? What will their homes look like? This seminar attempts to seek the answers.



19. Chalte Chalte Kat Jaayein Raste

Students: Abhijit Trimukhe, Nikhil Pawar, Rabab Rabbani, Shikha Puri

Guide: Dr. Anvita Arora

City centers being the identity of a city, are characterized by high population density and traffic congestion. The changing paradigm in transportation is focusing on moving people not vehicles, towards sustainability. Various initiatives like car-free zones act as a solution to de-congest our city. Beyond this, how can technology trends help in making the pedestrian experience effortless and attractive? Further the question implies: where would pedestrianisation be in the next 20 years and how will the meaning of “pedestrian” change?

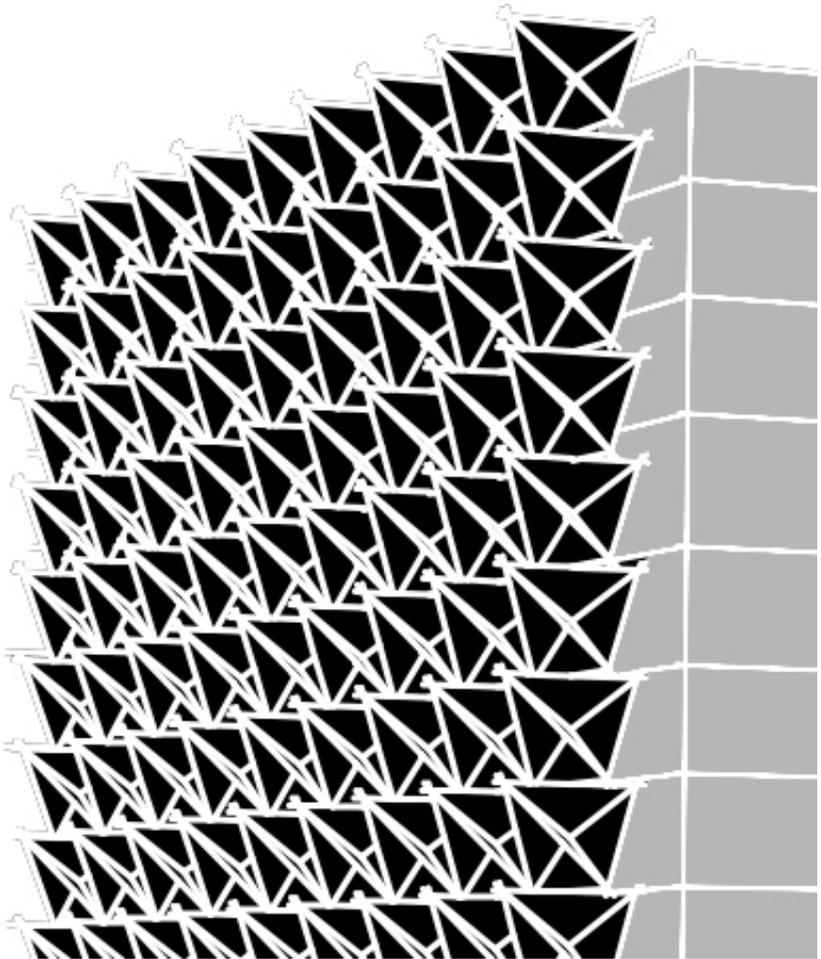


20. Paisa Aapka Faisla Aapka

Students: Yamini Patidar, Adulti Sharma, Chitranshu Verma, Sunair Raj, Mahalakshmi HV.

Guide: Dr. Anvita Arora

The future revolves around the axis of energy; transport being one of the major consumers, is evolving to become more efficient by day. With congestion and densification of mega-cities, energy and efficiency will become the intent of every futuristic projection. What if energy became the driving currency, instead of material currency? The seminar aims to delineate a future where energy is the central transaction needed for growth.

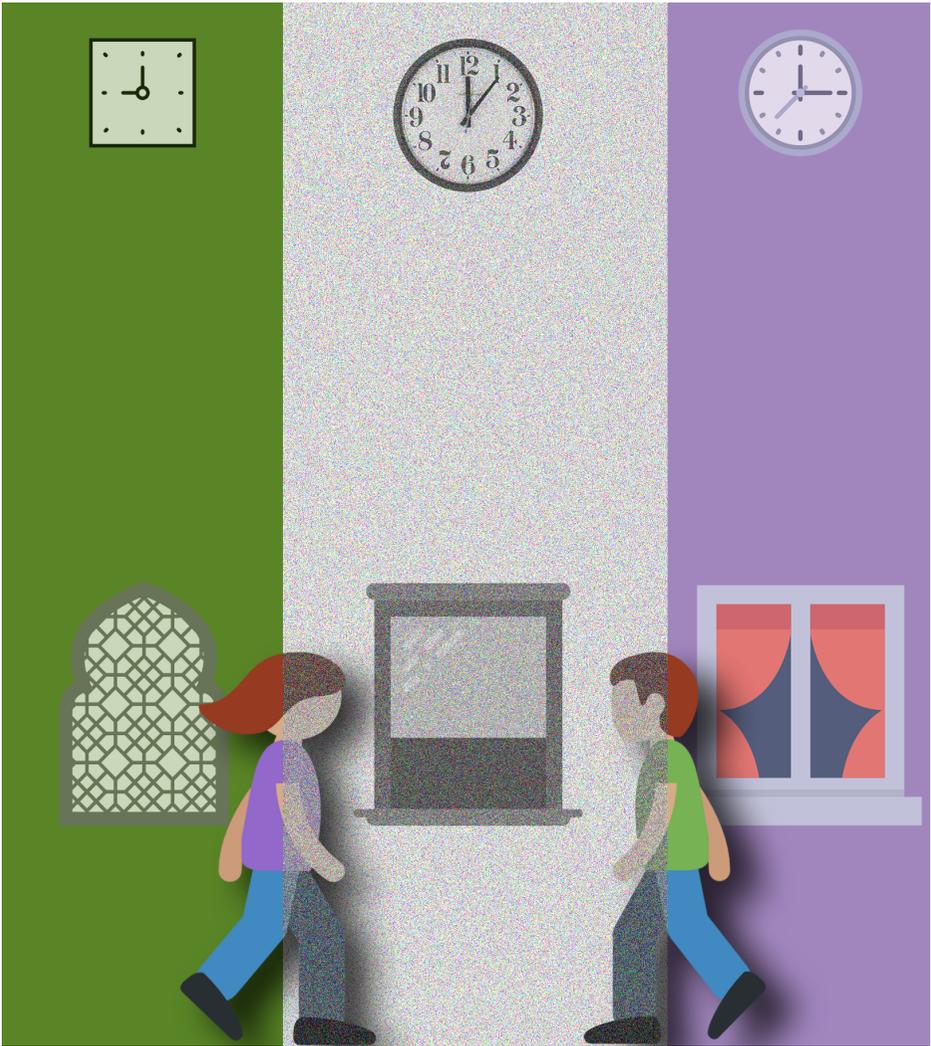


21. Facade '37

Students: Arpit Jain, Krishna Kafley, Lalbiak Zuala, Priyanka Gupta, Sangay Wangdi, Tsewang Giacho

Guide: Parag Anand

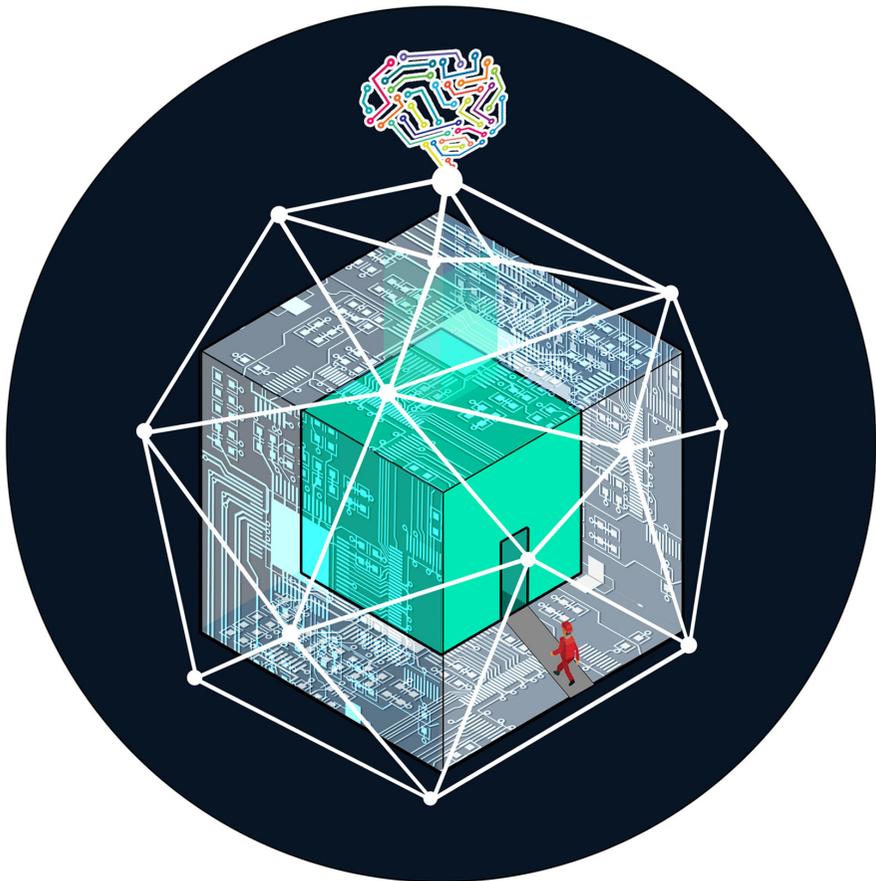
An exterior wall that must defend the interior spaces against invasion by water, wind, sun, light, heat and cold, and all the other forces of nature. Besides this it must also fulfill the aesthetic, economic and security consideration. The design of the facades has been evolving ever since and has become much more complicated with development of new methods of construction. Study of Facades futures is important as global facades market size is expected to risemultifolds in 20 years.



22. Virtually Together

Students: Mayank Pandey, Yashwin Dev, Tirthraj Urawn, Kushal Ghimiray
Guide: Aditi Singh

In the year 2037, Virtuality will merge into architecture as a layer on built environment. Virtual extensions of the built, virtual portability of the built and virtual connectivity of spaces will mould our dwelling culture.



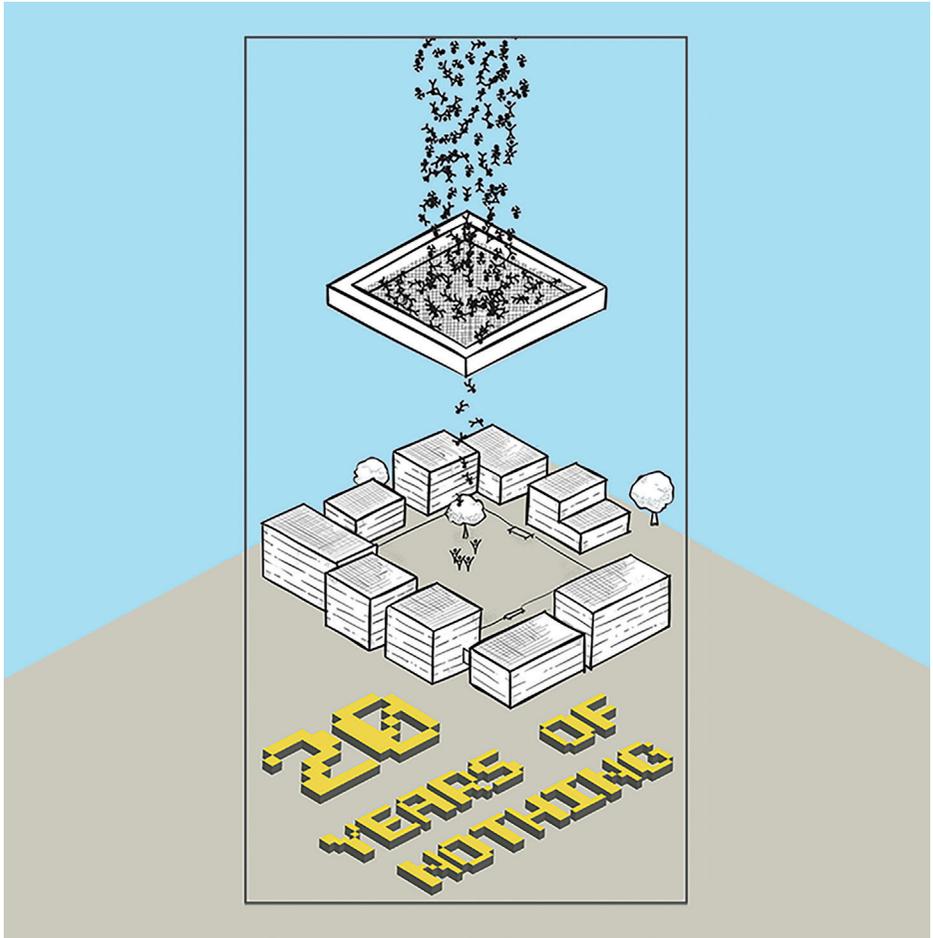
23. Smarter Homes

Students: Anjum Khan, Harsh Vardhan Joya, Kumar Rishav, Subhi

Guide: Mr. Suditya Sinha

The seminar deals with the functioning of smart homes in the next 20 years by exploring the advancements and technology that have made things easier and easily accessible for us. It has now become possible for one to remain at home and yet accomplish all necessary chores.

In these circumstances, 'home is not merely a place where we live in, but have become the product which we use'. This research specifically analyses the emerging technologies, majorly the Internet of Things that will make our homes the hub for smarter living and draws projections for the future.

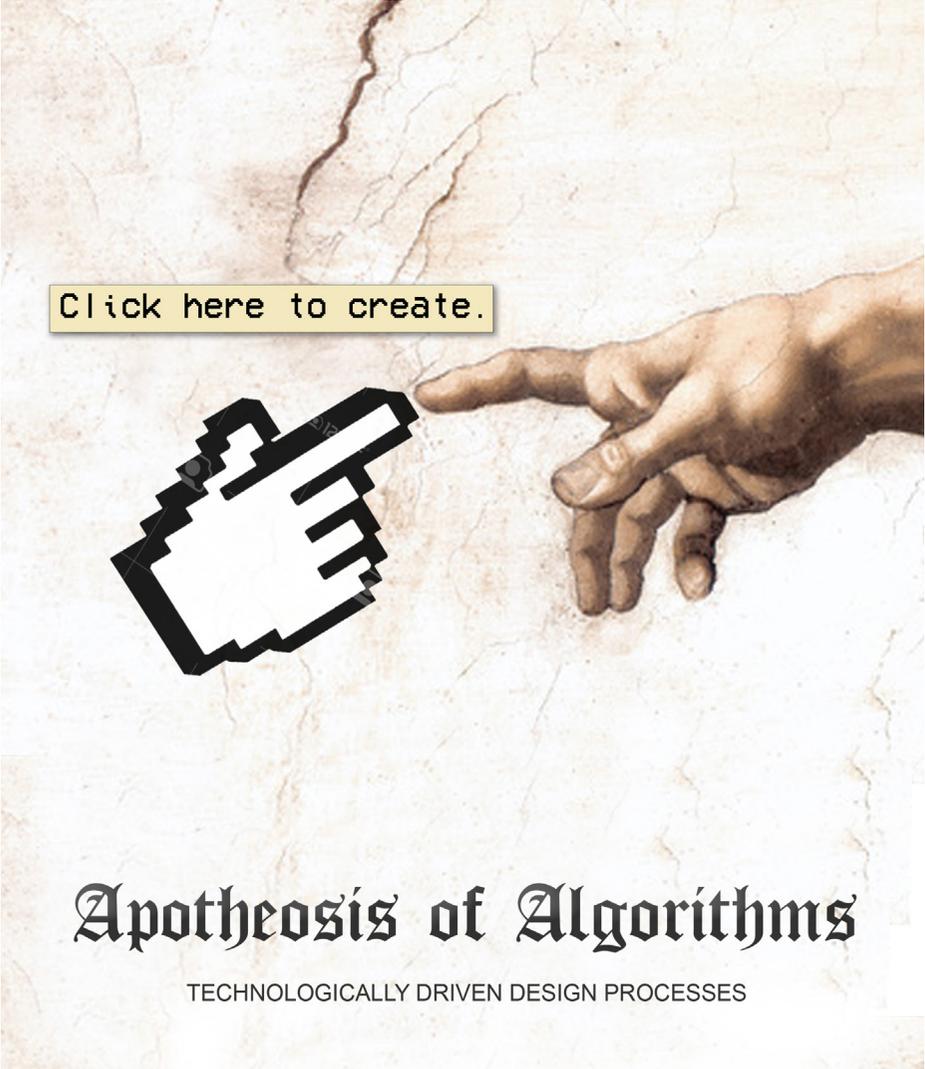


24. 20 YEARS OF NOTHING

Students: Aprajita Komanduri, Dharna Mudgal, Prithvi hegde, Sanmadi KR, Shravan Kumar, Vertika Kapoor

Guide: Aditi Singh

This seminar attempts to address the pressing issues of urban housing availability, affordability and adequacy. To be able to predict the state of housing in the country by 2037, the seminar looks at the current housing situation and examines the government policies in place that might transform it.



Click here to create.

Apotheosis of Algorithms

TECHNOLOGICALLY DRIVEN DESIGN PROCESSES

25. Apotheosis Of Alorithms

Students: SashankMacharla, Akash Das, Nayan Jain and Sanjay Dalke

Guide: Sushant Verma

The research delves into questioning the reach and limits of technology with its categorical permeation into design of built environment. The role of designer has been largely affected with embedding of technology in our spaces and environment which is at its peak at this stage of digital revolution and evolution. 2037 is sees as a complex interlace of data, technology, spaces and people in an inter-connected multi-nodal network

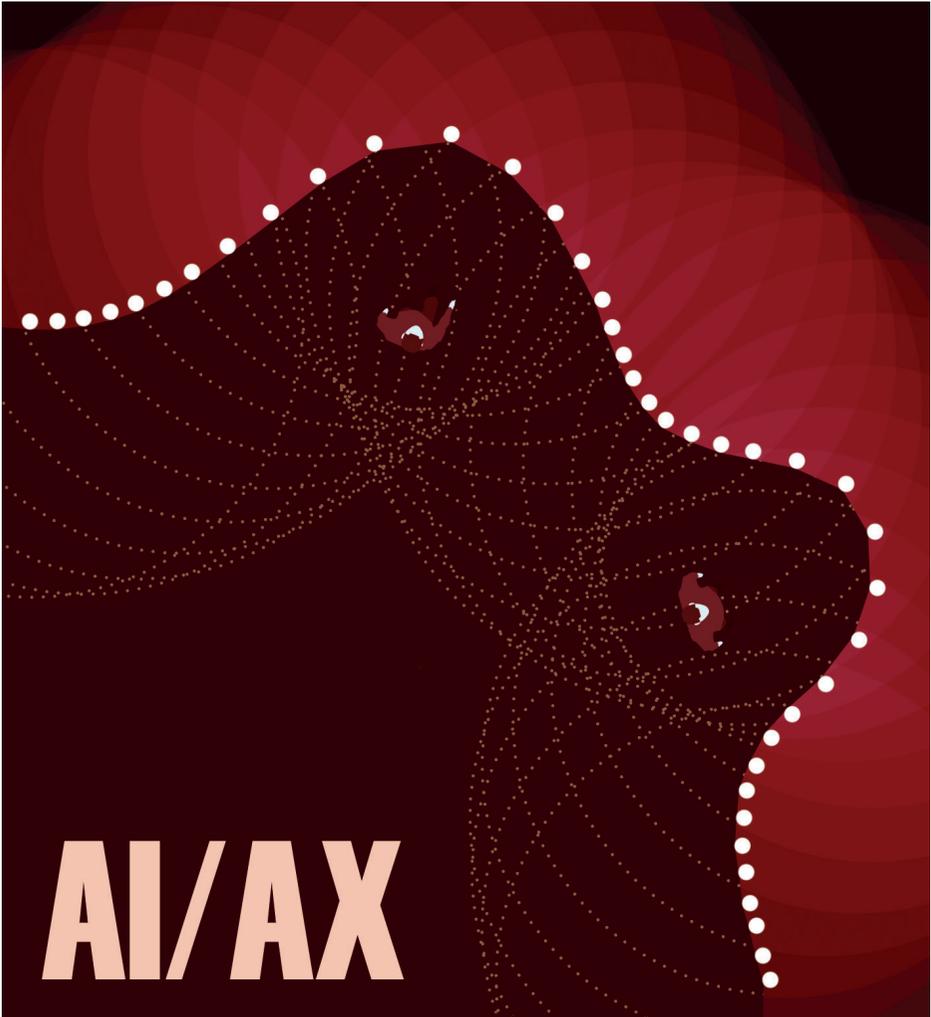


26. Water Scarce (City) : Delhi 2037

Students: Kanchan Joneja, Manorama Chauhan, Sukriti Thukral, Therli Krishna Priya

Guide: Nidhi Batra

Today one in nine people die due to lack of access to safe water. The seminar attempts to look at the city of Delhi - morphologically and functionally, with respect to water which is the most basic of necessities and future's next oil. Deriving from the core beliefs of sustainability, the future is projected to have refined definition of what is "urban" and how water plays a role in formulating it.

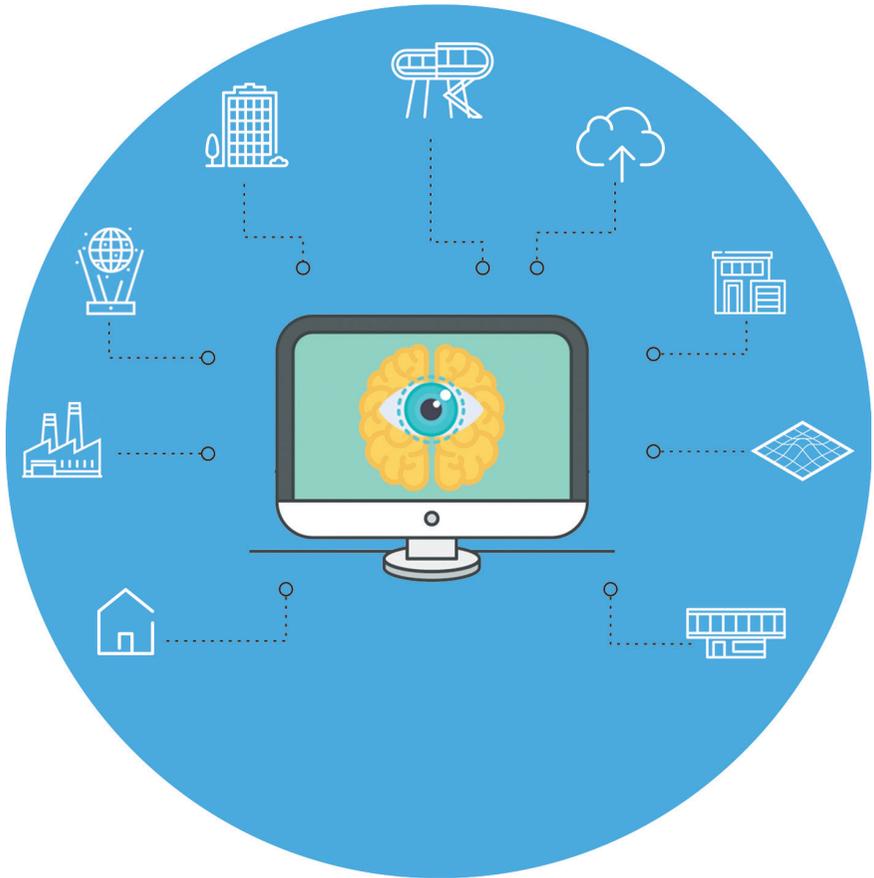


27. AI/AX: Architectural Interaction/Architectural Experience

Students: Bhavya Godara, Anant Mital, Pravar Gupta, Riddhi Batra

Guide: Ar. Sushant Verma

This seminar outlines a broad scenario of highly interactive and adaptive spaces, that will be triggered by the growth of technology till 2037. It explores how the direct and indirect interaction of user-groups with built spaces will create a multi-scalar dynamism where all parts of a system are interconnected, to stimulate adaptability.



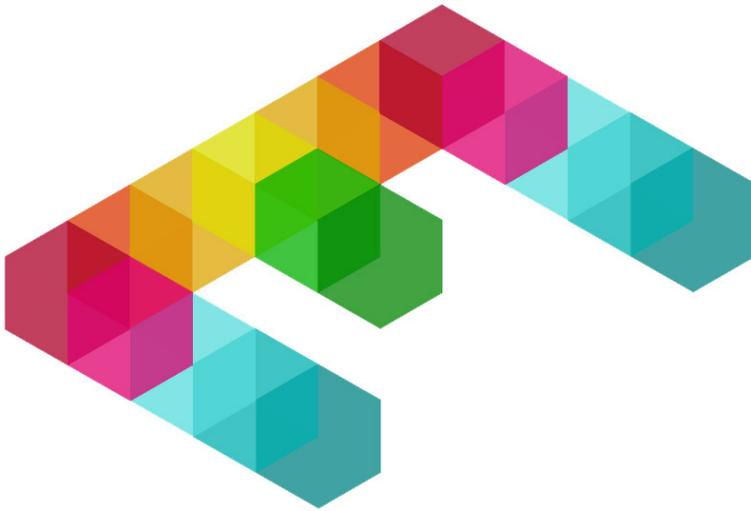
28. Collaboration Of Intelligence

Students: Devprashanth K. , Diksha Singh , Goutham Othayoth

N.m. Sree Chaithanya, P. Theertha Suresh , Rudra Sharma

Guide: Ar. Suditya Sinha

Twenty years in the future, with intelligence augmentation handling the rigors of the design cycle, architects would channel their creativity into the advanced aspects of design. Considering the edge that such an alliance has in terms of creating responsible buildings of the future, catering to the much needed environmental consciousness and optimal utilization of resources, Collaboration of intelligence is the way to 2037.



29. Modular Architecture

Students: Ajitesh Murmu, Akshay Sharma, Daksh Tandon

Guide: Parag Anand

This group has researched on the past and present trends in modular architecture to project its future 20 years later in 2037. While history is evident from facts our curiosity and our creativity only can lead us to the world of future, and a future that is worth dreaming about.

