

BLUEPRINT

SCHOOL OF PLANNING AND DEVELOPMENT



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Greetings from

School of Planning and Development

This issue of SPD newsletter, 2021 has covered the various events and achievements over the span for the months of September, October, November and December.

The journey of this semester started off with the commencement of the CAPSTONE which was conducted online in two parts over a period of two months. After the COVID-19 pandemic lockdown this was the first offline session and everyone was pumped. The newcomers were welcomed to the institution and an orientation ceremony was organized.

Through the course of these four months various events were organized, providing an interactive platform to all the students as well the faculty members.

Happy Reading !!

EDITOR'S NOTE

Dear Readers,

Greetings to you all

It gives me immense pleasure to present this semester's newsletter of the School of Planning and Development (SPD), Sushant University. The opportunity to join the SPD family, as well as become the newest editor of the School newsletter, has been a real thrill for me.

It would be an understatement of epic proportions if I said I was excited to be writing to you for the first time. As the editor of this school newsletter, I am delighted to see the tremendous progress the school has achieved in the short period of its existence as an independent school.

This newsletter will open a window of opportunity to many people who will know that as a school, we are destined for a bright future.

Hope you all enjoy reading this edition!!



Ms. Ishani Garg

Assistant Professor SPD



SPD EVENT

CAPSTONE 1-2021

School of Planning and Development, Sushant University started the new academic session of First Year M Plan in Urban Planning and M Plan in Transport Planning, with four Weeks Bridge Program entitled as 'CAPSTONE' from 23rd August to 24th September, 2021.

The purpose of this four weeks' 'CAPSTONE' is to make students aware of some essential tools and skills. This session planned during this period included MS Office, Google Forms, e-mail writing, etc.

<i>Week date</i>	<i>Approach</i>		<i>Task/ Deliverables</i>
23-Aug-2021	<i>Documenting and formatting</i>	<i>Introduction to basic features of document formatting in MS Word</i>	<i>Assignment 1- Formatting a two-page document as per professional standards</i>
24-Aug-2021		<i>Introduction to referencing and reviewing features in MS Word</i>	<i>Assignment 2- Formatting a document article as per submission guidelines of a publication house</i>
25-Aug-2021	<i>Data collection and compilation</i>	<i>Introduction to Google forms</i>	<i>Assignment 3- Developing survey forms for a user satisfaction survey</i>
26-Aug-2021	<i>Data analysis and representation</i>	<i>Introduction to data coding and linking google forms to MS Excel and its analysis tools</i>	<i>Assignment 4- Analysing data to prepare simple charts</i>
27-Aug-2021		<i>Introduction to features like pivot table and other complex tools in MS Excel</i>	<i>Assignment 5- Sorting and analysing complex data sets</i>
Saturday, Sunday and Janmashtami holiday			
31-Aug-2021	<i>Presentation-making and information representation</i>	<i>Introduction to basic features of MS Power point and presentation making</i>	<i>Assignment 6- Developing professional presentations</i>
01-Sept-2021		<i>Introduction to animation and hyperlink features in MS Power point</i>	
02-Sept-2021	<i>Work compilation: Division of class into two groups with each group being responsible for data compilation and preparation of report or presentation</i>	<i>Compilation of survey data to prepare meaningful graphs</i>	<i>Assignment 7- Submission of a five- page report and a power point presentation based on the data obtained and analysed from survey</i>
03-Sept-2021		<i>Compilation of reports and presentations</i>	

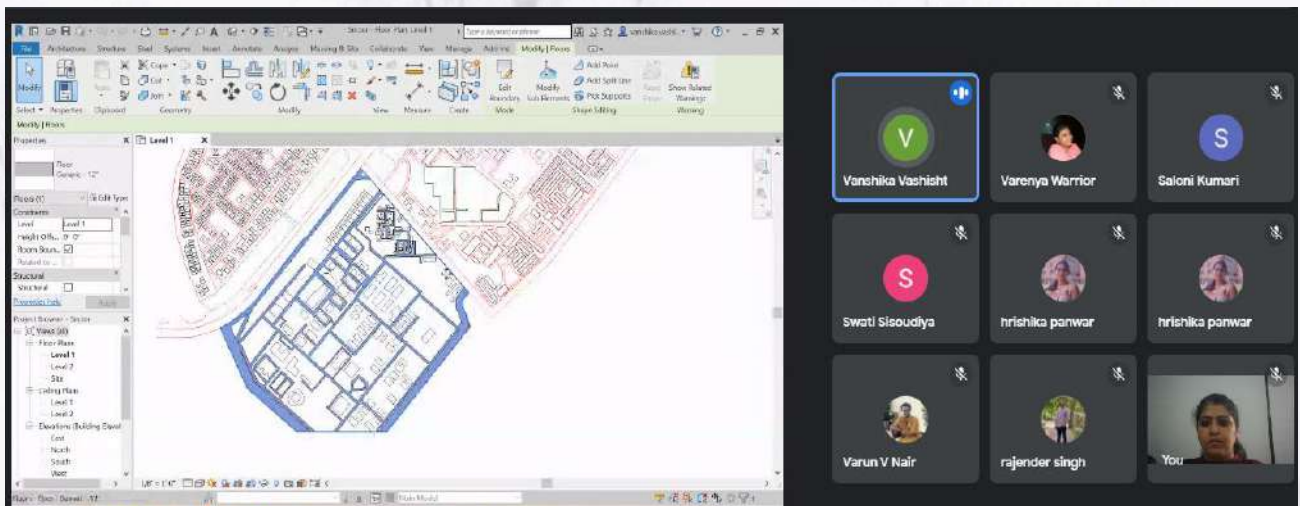
This program helped the students understand and learn the basics of documentation, data analysis and presentation making using MS Office. The program aimed at making the students understand the requirements of documenting information professionally which is an important aspect of the planning process.

SPD EVENT

CAPSTONE 2-2021

This session planned included the fundamentals of AutoCAD and Revit in Urban Planning. The session helped the students to understand and learn the basics of Map digitization with the help of AutoCAD as 2D and further modelling and development of Revit as 3D. Through the studio based exercises the students learnt the 2D digitization of city maps, the integration of A-cad and Revit 3D architecture and model development in 3D for visualization and understandings of the problems to understand the existing conditions and the clash points.

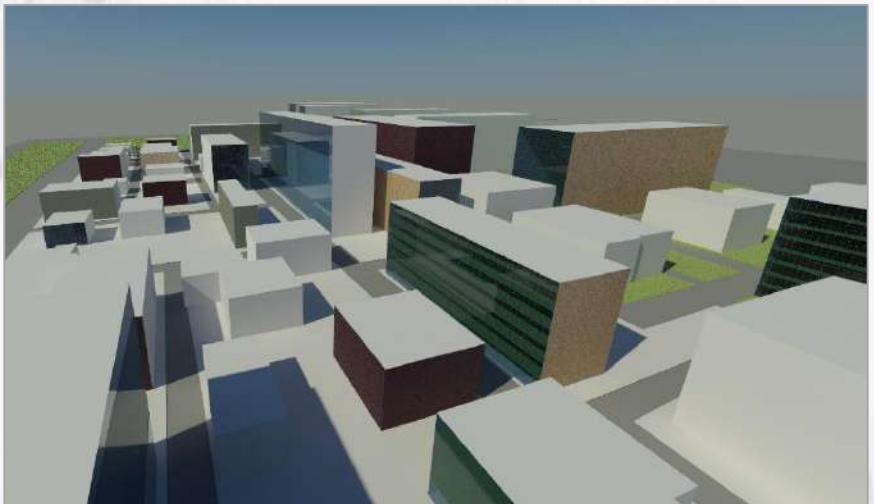
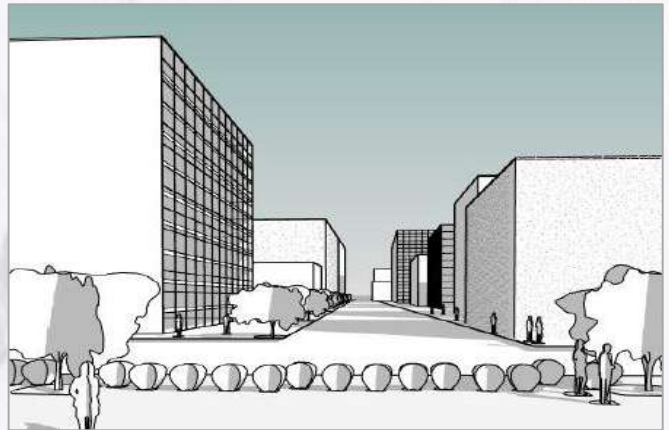
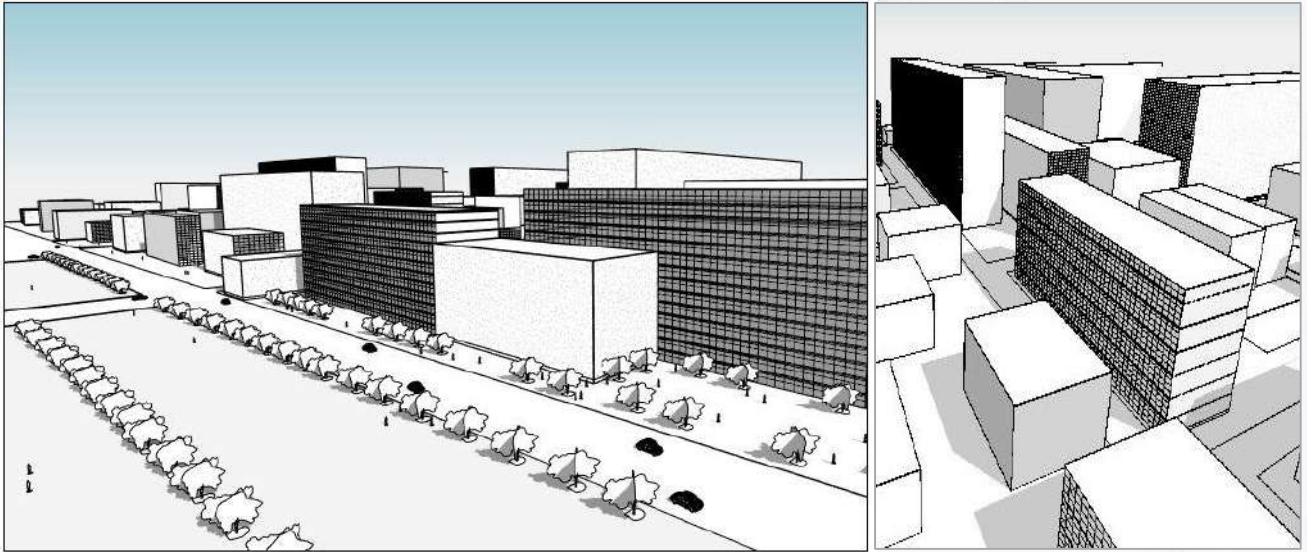
WEEK DATE	APPROACH	TASK/ DELIVERABLES
06-Sept-2021	Introduction with the students to understand the basic level of learning and knowledge of softwares. Introduction and discussion on the softwares, using for the programme.	Installation of softwares and secondary data collection of Gurugram City map and google maps for built mass and other details
07-Sept-2021 08-Sept-2021	Starting the map digitization in A-Cad and detailing @ 10 students will work of Master Plan @ 10 students will work of Built mass development	The entire Gurugram Master Plan in soft copy with all the details and layers such as, roads, built mass, green areas, etc. This will make them learn working in groups. Submission of A-Cad plan
09-Sept-2021	Introduction to the Revit Architecture, Identification of 10 locations in Master Plan and importing the digitised map to Revit. 20 students will work @ 10 groups of 2 students each.	Students will learn the basis of area selection. Students will clean the map and import the drawings to Revit for 3D modelling and further development. The will help them in team building and make them understand working in groups.
10-Sept-2021	3D modelling and training students for further working in Revit for the respective area	3D modelling of the selected areas.
Saturday and Sunday		
13-Sept-2021	Zone wise development of streets	Streetscape and street cross-section development in 3D and rendering
14-Sept-2021	Compiling of work	Submission of Plans, street Cross sections and 3D renderings of identified 10 locations
Capstone session 3 starts 15th Onwards		



SPD EVENT

CAPSTONE 2-2021 : STUDENT'S WORK

A glimpse of the drawings prepared by students during the hands-on exercise using the knowledge imparted during the REVIT session of "CAPSTONE". The drawings generated were in both black and white and colored format.



SPD EVENT

CAPSTONE 3-2021

This capstone session was based on the applications of GIS in urban planning . This program aimed at providing students with organizational skills of files, database management and application of GIS analysis to address geospatial problems while making plans. The course was taught with a blend of theoretical and practical mode of knowledge sharing through medium of software learning. Also problem based exercises was practiced after the fundamentals and foundation was made among students.

The course imparted students with the knowledge to explore mapped data, relate GIS with remote sensing technologies, analyze spatial data using GIS analysis tools, develop and manage geodatabases and create maps, images and apps to communicate spatial data in a meaningful way to others.

WEEK DATE	APPROACH	TASK/ DELIVERABLES
15 th September 2021	<i>Understanding basic Geographical Fundamentals of Projection and Georeferencing</i>	
16 th September 2021	<i>Vector Database and Analysis - Creation of Database, Digitization of three typologies in GIS. Synchronising External and Internal Database with Shapefile. Learn Symbology, Label and Thematic mapping</i>	<i>These whole tools will be practiced on a city and base map of that City will be created along with Few Queries of Problem based Analysis under Thematic mapping</i>
17 th September 2021		
20 th September 2021		
21 st September 2021	<i>Raster Analysis and database Creation- Understanding Raster Data sets, Procurement and extraction of raster data set. Different Spatial, Network and Topographical Analysis on raster data sets.</i>	<i>The analysis will be done on particular raster datasets of a city and analysis of that city will be done</i>
22 nd September 2021		
23 rd September 2021		
24 th September 2021	<i>Demonstration of the Learning.</i>	



CAPSTONE 2021 : TESTIMONIAL BY STUDENTS



Vanshika Vashisht

Hi, my name is Vanshika Vashisht. I am a student at Sushant University and am currently pursuing Masters in Urban Planning in the batch 2021-23. Before the beginning of the course we were introduced to the Capstone Programme to bridge the gap between the newly admitted students, the various new softwares and the teachers.

The Capstone Programme introduced us to the basic fundamentals of planning. I felt more confident as the whole exercise helped me familiarise with the subjects and principles of the Planning Programme. At first, I was a little skeptical about the online mode of learning, but the Capstone Programme helped me change my views for the better.

I am thankful to the School of Planning and Development to initiate programmes like these that make it easier for students to grasp the contents of the course and connect with the faculty & seniors.



Swati Sisoudiya

Hi! My name is Swati Sisoudiya and I am a first year student of M.plan in Urban Planning at SPD, Sushant University. Before the commencement of our academic session, School of Planning and Development organised a Capstone Program for us and I am extremely grateful for it.

I cannot overstate the importance of this program. It provided me with a wonderful opportunity to learn and get equipped with tools and techniques necessary in the field of Urban Planning, and also gave an outstanding platform to get acquainted with my batchmates and faculty members. All the faculty members were extremely patient, understanding and responsive towards our questions and needs. The program did a spectacular job preparing me for the upcoming academic session. It not just added on to my knowledge of various softwares like MS-Office, AutoCAD and Revit but taught me a lot of new things about them as well. Also, by working on various projects in each of these softwares, I was able to understand their usage and implementation in a better way. We were encouraged to work in groups, which helped in breaking ice and getting to know each other well.

Overall, my experience has been nothing short of insightful and rewarding. I have learnt so much in such a short period and am now excited and full of anticipation to start my M.plan journey at SPD.

Orientation of batch 2021 : Day 1

Day 1 of the orientation was held at university level to welcome the students along with conduction of their document verification. The students and the faculty members were addressed by Hon'ble Vice Chancellor, Registrar, Controller of Examination and Campus Life Director.



Sushant University
Erstwhile Ansal University Gurugram

ORIENTATION DAY

23rd and 24th September, 2021

Welcomes class of 2021

School of Planning and Development

D-Block (D-421)	
Assembly & Movie- Sushant University: A Happening Campus	09:30-10:00
Address by the Hon'ble Vice Chancellor	10:00-10:20
Address by the Registrar	10:20-10:40
Academics at Sushant University -by Dr. Vibhuti Sachdev	10:40-11:00
Achievements, Collaborations & Laurels at Sushant University -by Dr. Sudipto Sarkar	11:00-11:20
Address by the Controller of Examinations	11:20-11:40
Address by Campus Life Director	11:40-12:00
Discussions & Open Forum	12:00-12:30

Orientation of batch 2021 : Day 2

Industry Visit

Budding planners of School of Planning & Development, 2021 batch visited the HSIIDC office, Manesar on day 2 of orientation to have an idea of the professional working environment and office functioning. Industrial visits provide students with an excellent learning opportunity as they help students bridge the gap between classroom learning and real-world working situations.

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SCHOOL OF PLANNING AND DEVELOPMENT

Induction Programme Day 3
Tuesday, 29th September

Industry Visit

Assembly Point : Block A, 09:30 a.m.

Site Visit – HSIIDC Office, Manesar Gurugram



Orientation of batch 2021 : Day 3

Nature Walk

Nature walks are a fun and easy way to bring students outdoors, whether it's on the play grounds, in the backyard, or at a street or another local place of interest. Doing a nature walk is not only about appreciating nature but is also an opportunity for learning experiences in a variety of subjects such as science, geography, math, and art. Each nature walk offers something different for students to explore – even if its a walk on the same trail from one day to the next and such experiences can be exhilarating, fun, and inspirational.




Students and faculty members during the nature walk



Faculty Development Programme ON GIS


Geographical information system (GIS) plays an important role in enhancing skill of understanding the information available on the earth surface. All types of information be it topographical or human related data sets, has an evident role in strengthening the knowledge base and understanding of any subject. Especially with the change in the paradigm of usability of spatial data set through geoinformatics, it is the need of the hour to synchronize the education system with the learning and application of GIS in all arenas of education. With this intent School of planning and development proposed a faculty development programme named “Ecosystem of geographical information system for education”. It was a five day hands on learning programme on GIS Software.



Sushant University
Sushant Ansal University Gurgaon

SCHOOL OF PLANNING AND DEVELOPMENT

“Ecosystem of Geographical Information System for education”.
Faculty Development Programme on GIS 5th Oct till 8th Oct 2021

Resource Person	Schedule	
 Harneet Kaur AITP Geographer, Urban Planner Assistant Professor School of Planning and Development, Sushant University	Day 1 (3.30 pm to 5.00 pm)	Hands on learning on GIS software – Georeferencing and understanding of projection systems
	Day 2 (3.30 pm to 5.00 pm)	Digitisation and creation of vector data from raster data set
	Day 3 (3.30 pm to 5.00 pm)	Integration of spatial data and attribute data. Spatial analysis and query building
	Day 4 (3.30 pm to 5.00 pm)	Understanding and extraction of final analysis. Layout designing Resolution of queries from attendees
	Total 6 hours of learning Please email at harneetkaur@sushantuniversity.edu.in if you want to join latest by 3rd October. The Venue and rest of the details will be shared shortly.	

DAY WISE SCHEDULE

Day 1 (3.30 pm to 5.00 pm)	Hands on learning on GIS software – Geo-referencing and understanding of projection systems
Day 2 (3.30 pm to 5.00 pm)	Digitisation and creation of vector data from raster data set
Day 3 (3.30 pm to 5.00 pm)	Integration of spatial data and attribute data. Spatial analysis and query building
Day 4 (3.30 pm to 5.00 pm)	Understanding and extraction of final analysis. Layout designing Resolution of queries from attendees



Urban Planning Profession: Career Opportunities

Urban planning is a powerful tool that generates economic opportunities and facilitates economic development. Urban planning embodies a vision that conveys the aspirations of both the government and the people. It is a value-creation tool which generates more than enough return on its own merits. There are not many colleges/ universities in India that offer the planning degree, despite the fact that planners are in high demand. If the country is to witness a quantum leap in its planning capacities, we need to strengthen our planning education system and generate awareness and interest among school-goers. To discuss and strengthen the planning profession, Sushant University, School of Planning and Development, which offers various planning courses, hosted a virtual session with Indian

planners from academia and in industry, for the high-schoolers.

Sushant University
Birla Institute of Planning & Development

School of Planning & Development

9 & 13

October 2021

Webinar on
Urban Planning Profession: Career Opportunities

Panellists

- Ma Anjula Negi**, PPP expert, Asian Development Bank (B Plan, M Plan)
- Mr. Raja Kaushal**, Urban Planner & Real Estate Executive (B Plan, MBA)
- Mr. Rajeev Sareen**, Programme Director, Centre for Science and Environment (B Plan, M Plan)
- Mr. Harjot Arora**, Urban Advisor, Foreign, Commonwealth & Development Office (B Plan, M Plan, MBA)
- Prof. Preetha Ravivree**, PhD, School of Planning and Development (B Arch, M Plan)

Moderator

9th October
Timing: 11:00 am to 12:00 pm

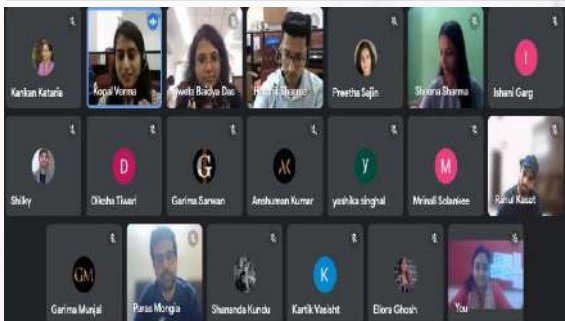
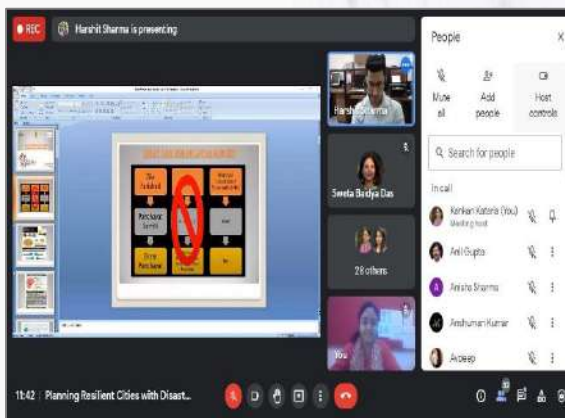
13th October
Timing: 03:00 pm to 04:00 pm



Planning Resilient Cities with DRR

International Day for Disaster Risk Reduction DRR

On 14th October, 2021 a webinar on planning resilient cities with DRR was organized. This webinar was planned, not only to understand the various DRR strategies for planning resilient cities today but also strengthen our knowledge, skills and values as responsible urban planners who apply due diligence while planning for cities and regions and contribute effectively towards the DRR as humanistic practitioners of Urban Planning profession. The target audience included the Faculty members, Researchers and Students of Sushant University who are undertaking courses on planning, designing and managing urban settlements w.r.t disaster management, environment, energy and climate change.



Erstwhile Ansal University Gurgaon

NATIONAL INSTITUTE OF DISASTER MANAGEMENT

School of
Planning & Development

14

October 2021

International Day for Disaster Risk Reduction DRR

Webinar on
Planning Resilient Cities with DRR

In partnership with National Institute of Disaster Management, Ministry of Home Affairs, GoI

11:00 AM

EMINENT SPEAKERS

Prof. Dr. Anil K. Gupta
Head, ECDRM, NIDM
Ministry of Home Affairs, Govt. of India

Dr. Swati Baidya
Faculty Consultant
ECDRM, NIDM, GoI

Prof. Preetha Ravisree Sajin
HoD, SPD

Mr. Harshit Sharma
Young Professional
ECDRM, NIDM

Dr. Kopal Verma
Junior Consultant
ECDRM, NIDM

Ms. Kankan Kataria
Convener, SPD

Time	Resource Person
11:00 -11:05 am	Welcome by Ms. Kankan Kataria, Associate Professor, SPD
11:05-11:15 am	Introduction session by Dr. Sweta Baidya Das, Faculty Consultant, ECDRM, NIDM
11:15-11:45 am	Special Address by Prof. Anil Gupta, Head ECDRM, NIDM
11:45-12:05 am	Presentation by Mr. Harshit Sharma, Young Faculty Professional, ECDRM, NIDM
12:05-12:25 pm	Presentation by Dr. Kopal Verma, Junior Faculty Consultant, ECDRM, NIDM
12:25-12:35 pm	Q&A Moderated by Ms. Kankan
12:35-12:45 pm	Closing Remarks by Prof. Preetha Ravisree, HoD, SPD
12:45 -12:50 pm	Vote of Thanks by Ms.Kankan Kataria

Studio Exhibit

Ward Level Local Area Planning for Gurugram by Bachelor of Planning (2020-24)

Nov 8th, World Town Planning Day, is the day to recognize and promote the role of planning in creating livable communities. World Town Planning Day presents an excellent opportunity to look at planning from a global perspective, consider planning challenges and solutions from around the globe, promote awareness, support, and advocacy of community and regional planning among the general public and all levels of government through activities in recognition of accomplishments in Town Planning each year.

The students of Bachelor of Planning are undertaking live Studio project on Local Area Planning for Ward 28 Gurugram in association with Municipal Corporation Gurugram. On the occasion of World Town Planning day, they exhibited their work in progress. This studio project is an effort towards taking conscious actions towards inclusive planning for sustainable development of local areas.



Sushant University

School of Planning and Development



8 November 2021

**Commemorating World Town Planning Day
Bachelor of Planning Studio Exhibit
on
Ward level Local Area Planning for Gurugram**

Time - 3 PM
Venue - Google Meet - <https://meet.google.com/hye-bmev-ucc>

Convenor -
Kankan Kataria
Associate Professor
School of Planning and Development

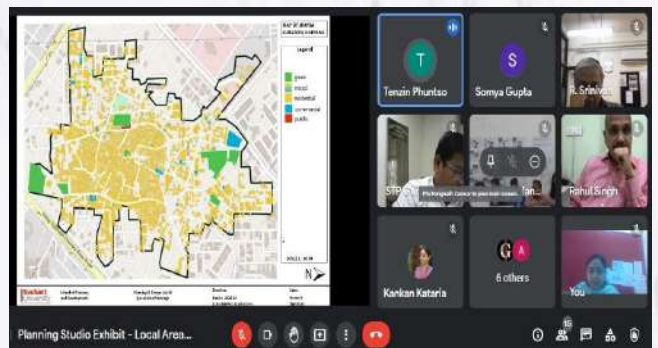


Student's Team

 Guneet Kahlon	 Rangnath Zanwar
 Somya Gupta	 Tenzin Phutzo
 Garima Sarwan	 Dev Rao
 Divyanshu Saxena	 Arya Sachdev

Invited Guest Experts

 Sh. R Srinivas Senior Town Planner, TCPO, Ministry of Housing and Urban Affairs, GoI
 Sh. Sanjeev Mann Senior Town Planner, Municipal Corporation Gurgaon MCG, Govt. of Haryana
 Sh. Rahul Singh Urban Planner, Environment and Infrastructure Specialist and Legal Expert, Founder -Greencindia Consulting Private Limited



Swachh Bharat Mission Solid Waste Management

The School of Planning & Development, Sushant University aimed to make campus green and clean by ensuring a proper management of the Solid Waste System at university level and creating awareness among students and the employees who handle the waste.

The aim was to encourage students and staffs to segregate waste at source as it not only reduces the amount of waste that reaches landfills but also reduces the pollution of air and water. Source Segregation leads to higher recovery of recyclables hence saving the limited natural resources and landfill space.

Keeping this vision in mind the B.Plan batch of 2020, studied the solid waste management system of whole campus and proposed a plan for the handling of solid waste. In near future SPD wants to install 3 types of storage bins on campus i.e, blue bin (non- biodegradable waste), green bin (biodegradable waste) and red bin (other waste) so that the waste is segregated at source which will ultimately enable higher resource recovery through recycling and also, it will be a participatory project for the entire college community.

Sushant University
Erstwhile Ansal University Gurugram

School of Planning & Development

09

November 2021

Swachh Bharat Mission Solid Waste Management

Lets join our hand together to keep our environment clean & green

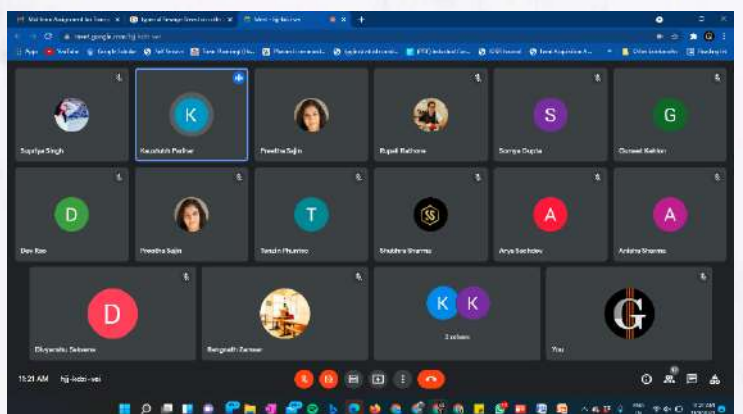
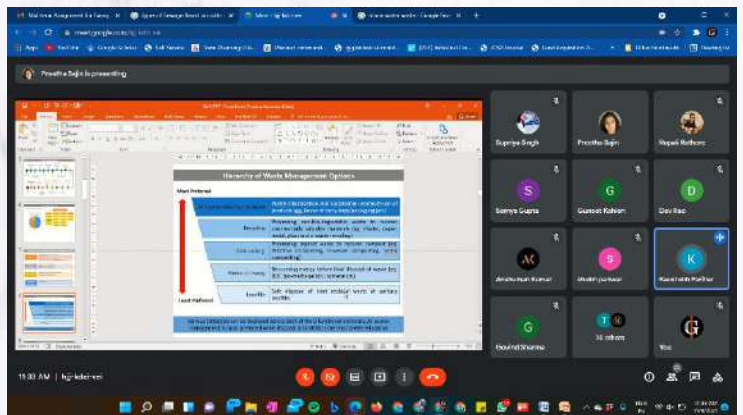
Time: 11:00 AM

Registration link: <https://meet.google.com/hjj-kdzi-vei>
Contact person : Supriya Singh (999982387)

Ms. Rupali Rathore
B.Plan, M.Plan (Environment Planner)
Consultant, Yojana

Mr. Kaustubh Parihar
Civil Engg., M.Plan (Environment Planner)
Project Associate, NIUA

Ms. Supriya Singh
Assistant Professor, Sushant University



Post-COVID Planning Guidelines

In the past two decades, India has witnessed outbreaks of diseases such as dengue, H1N1 (another pandemic in 2010) and now Covid-19. However, our Indian master plans are silent on pandemics. On 17th November School of Planning and Development organized an event highlighting how Covid-19 pandemic has put the spotlight on disaster management strategy in the master plan, which was largely about earthquakes and floods so far. It also discussed about how “based on the learnings from Covid-19”, we should also look into planning guidelines for cities and include this new threat.

Sushant University
Erstwhile Ansal University Gurugram

School of Planning & Development

17 NOV

Post Covid Planning Guidelines

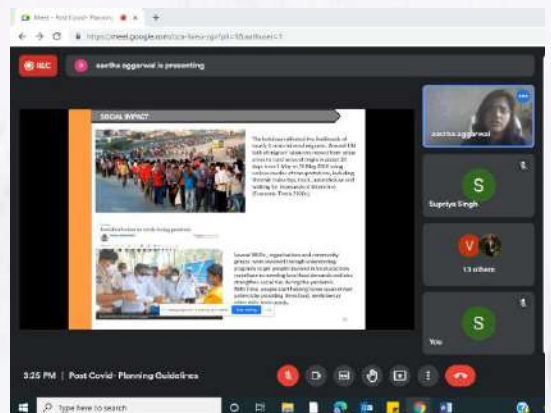
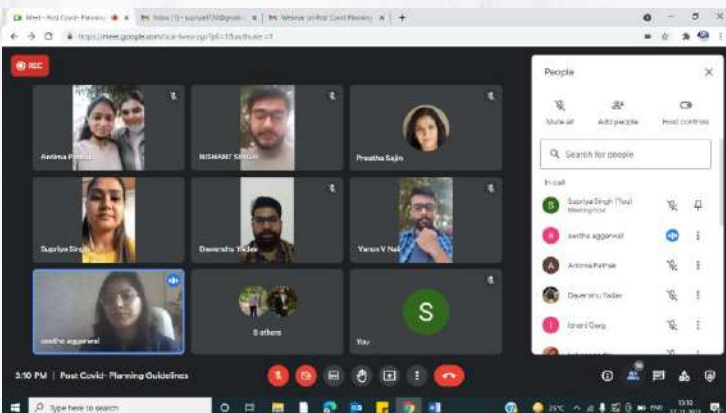
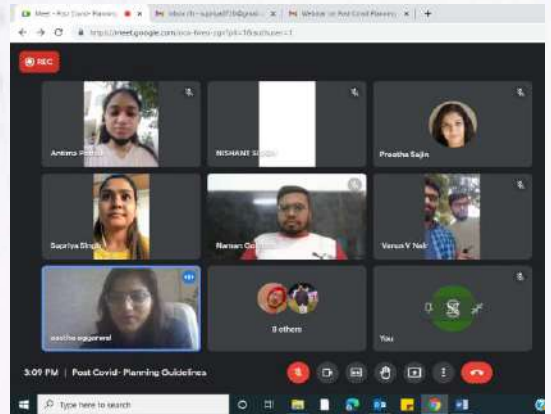
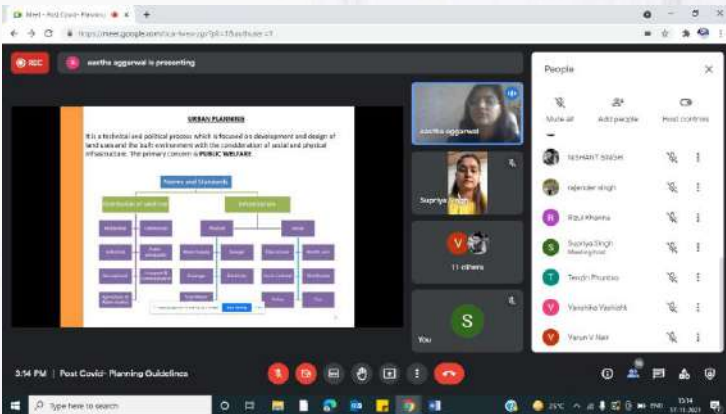
Way towards the new paradigm

Mr. R. Srinivas
Senior Town Planner, TPO,
Ministry of Housing and Urban Affairs, GOI

Ms Aastha Aggarwal
Consultant, ARAV Design Studios, Kangra
architect-Environmental Planner

Ms. Supriya Singh
Assistant Professor
Sushant University

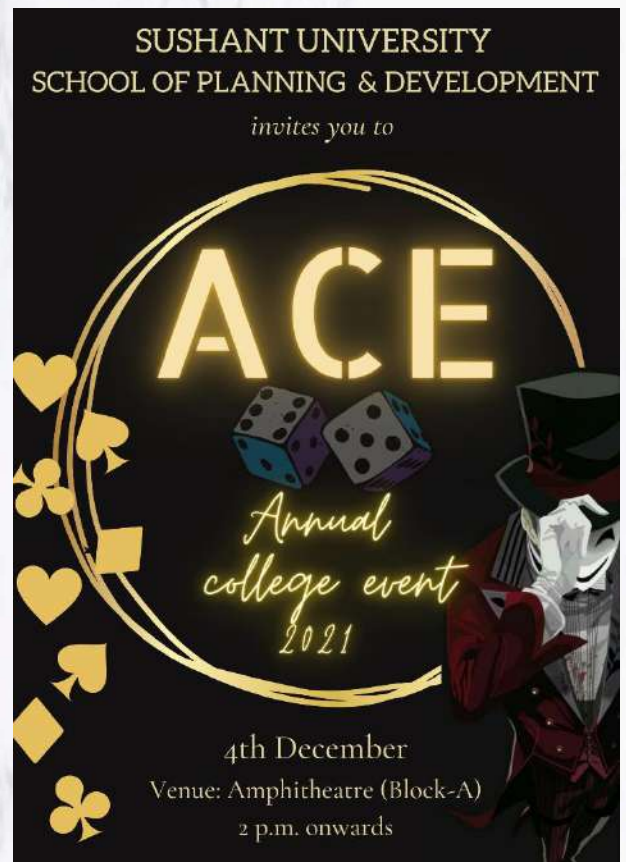
3:00 pm onwards
Google Meet (joining info)
Video call link: <https://meet.google.com/ocq-fweu-tyz>



Annual Day

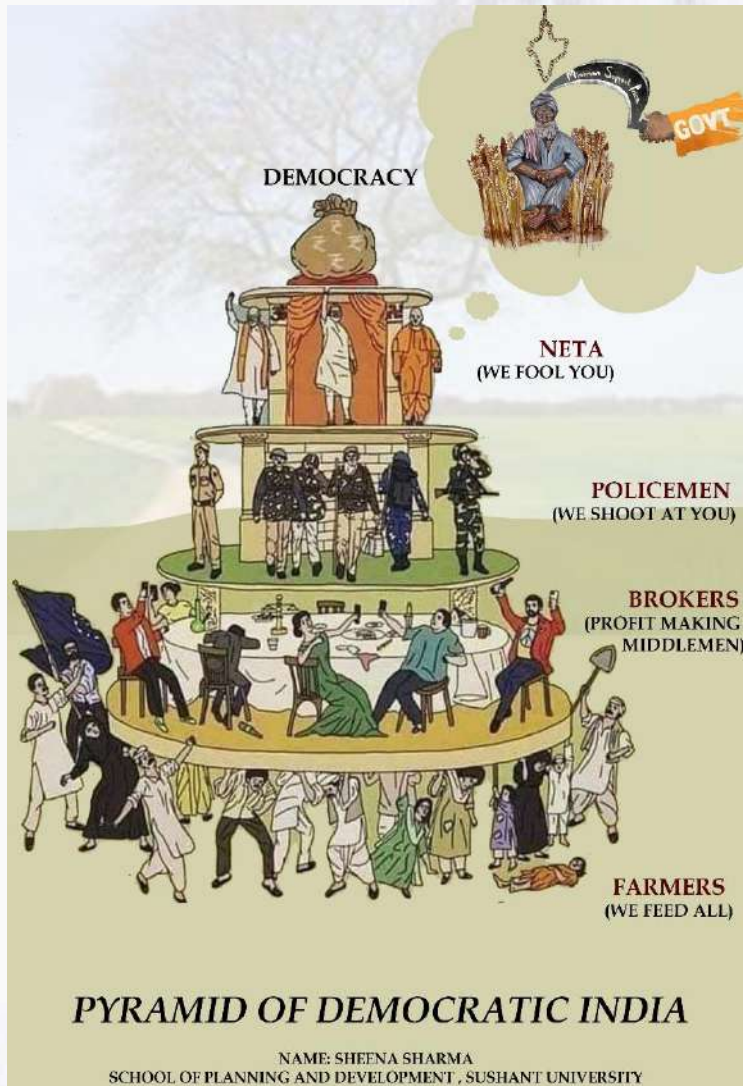
On 4th December 2018, the School of Planning and Development (SPD), Sushant University was established as an independent school. Earlier our B.Plan and M.Plan (Urban planning) programmes were part of the Department of Planning under School of Art and Architecture (SAA) and the celebration of annual day on 4th of December 2021, has been an integral part of our school events. The event was graced by the Registrar, Deans of all Schools, and HR Director. The Chief Guest Dr. Vibhuti Sachdev, Dean SAA and also the founding director of SPD, highly appreciated the efforts of all the students especially the new council members. Ms. Preetha Ravisree Sajin, HOD applauded and encouraged the students to keep moving forward.

The celebration gave an opportunity for students and faculty members to bond and really get to know each other in an informal environment.



Poster Making Competition

Organized by School of Law



On 14th November, 2021 School of Law organized an online poster making competition on the theme "Celebrating the Spirit of Indian Independence".

Ms. Sheena Sharma student of SPD (M. Plan 2020) secured the first position in the competition.



"Through this poster I have depicted the pyramid of democracy where the bottom/last layer is of farmers who feed us all. Farmers play a major role in society; they feed us, some of them warm us and all are custodians of the landscape and nature. Responsibility and commitment goes way beyond their farms, crops and livestock. Next comes the brokers who are the profit making middlemen. Above them comes the police who follows the order of the politicians. Above the policemen are the politicians who try to make money and have a control on the government in power. Through this I tried to depict the flaws of Indian democracy which people need to see and be aware of."



ADMISSIONS OPEN 2021

BACHELOR OF
PLANNING

MASTER OF
PLANNING
(INTEGRATED)

MASTER OF
URBAN
PLANNING

MASTER OF
TRANSPORT
PLANNING

MASTER OF
POLICY AND
GOVERNANCE

470 Million People in Indian Towns
only **4500 Planners** to develop
our Cities & Communities



According to
UNESCO Report
INDIA requires
300,000 Planners by 2030

ACADEMIC PARTNERSHIP



Complete your degree with
Harvard Business School **Online Certificate**
For all **UG/PG** Programmes

- | | |
|------------------------|---------------------------------|
| Business Analytics | Strategy Execution |
| Economics for Managers | Disruptive Strategy |
| Financial Accounting | Entrepreneurship Essentials |
| Negotiation Mastery | Sustainable Business Strategy |
| Leading with Finance | Global Business |
| Management Essentials | Alternative Investments |
| Leadership Principles | Credentials of Readiness (CORE) |

One Certificate Course Offered for Programmes with **2 to 3 Years**

Two Certificate Courses Offered for Programmes **above 3 Years**

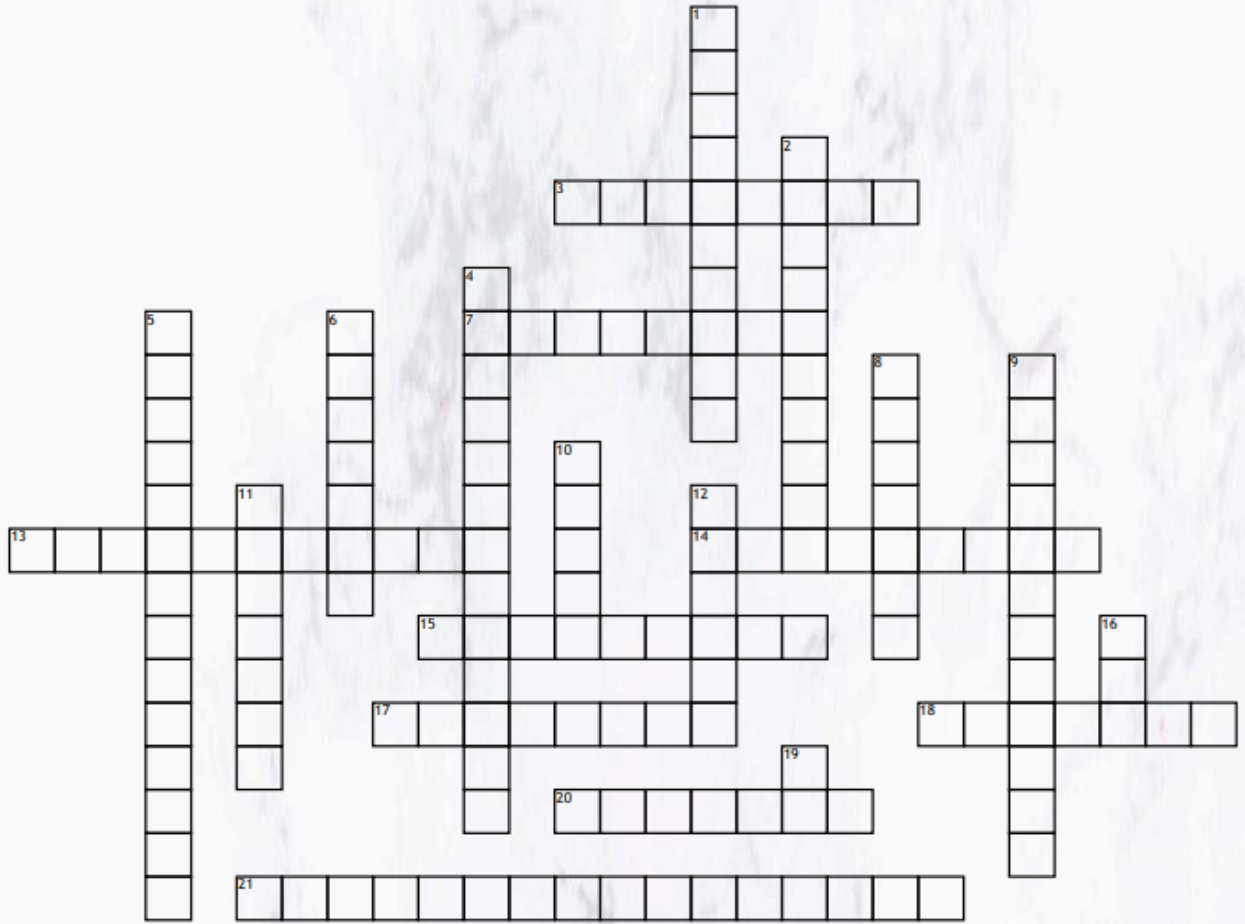
ENTRY LEVEL SCHOLARSHIPS - SESSION 2021

Programme	Criteria	Scholarship
B.Planning	≥ 80%	100% of First Year Tuition Fee
	75% to 79.99%	75% of First Year Tuition Fee
	65% to 74.99%	50% of First Year Tuition Fee
	60% to 64.99%	25% of First Year Tuition Fee
M.Planning	≥ 80%	100% of First Semester Tuition Fee
	75% to 79.99%	75% of First Semester Tuition Fee
	65% to 74.99%	50% of First Semester Tuition Fee
	60% to 64.99%	25% of First Semester Tuition Fee

Reach us @
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CHALLENGE YOURSELF



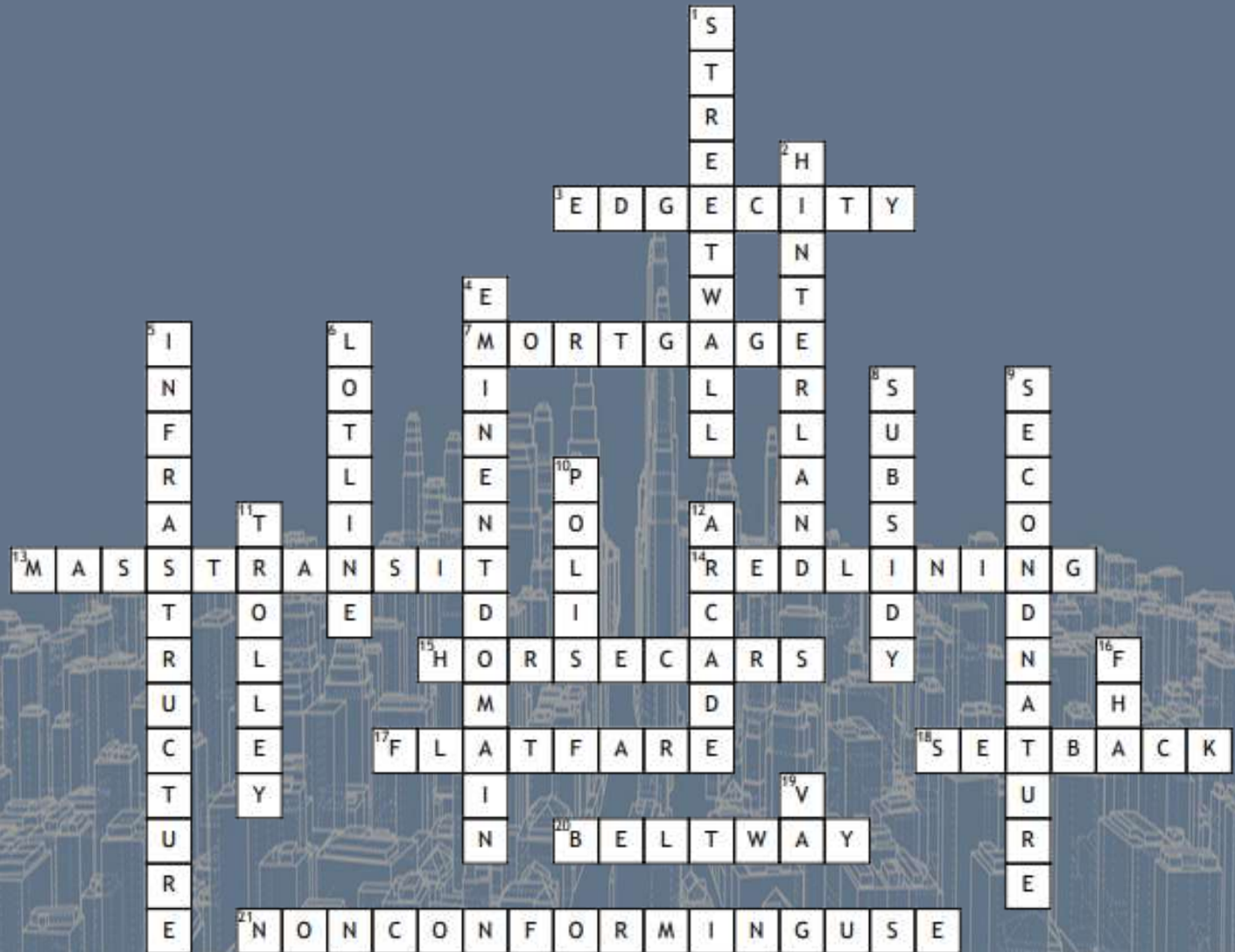
Across

3. A city created at a highway intersection where shopping and other entertainment expanded.
7. Money that people borrow in order to buy a house, they would have to pay the money back with interest.
13. A means of public transport which allows a lot of people to travel at once. Examples include buses and trolleys.
14. Whole neighborhoods singled out as “not good”, and people were discouraged from moving there.
15. Original mode of transportation in cities before trolley and automobiles, these were cars or carriages pulled by horses.
17. One fee is paid with allows the traveler to take a public transport system any distance for no extra cost.
18. The distance a building must be from it's property line.
20. A highway that goes around a city.
21. The use of an area of land that no longer follows the rules of one, or more of the use regulations of the zoning district the lot is in.

Down

1. The part of the building that faces the street.
2. A region of area that is not nearby any cities or towns.
4. The power the government has to obtain private property for public use, as long as they provide just compensation.
5. Physical and organizational structures that are necessary for societies to operate.
6. The boundary of a zoning lot.
8. An amount of money given by the government to a business so that they can keep their price of service down.
9. Man-made geography that has shaped settlement patterns of humans. Examples include roads and railroad lines.
10. A Greek self-governing city-state.
11. Street cars invented by Frank Julian Sprague.
12. A series of arches that form a gallery, they are supported by columns, piers or pillars.
16. Created to build more houses and provide more jobs.
19. Provided benefits to veterans coming back from war.

Answers Key, 2021



Source: <https://wordmint.com/puzzles/4068170>

Designed & Edited By: Ishani Garg