

2020

# ACADEMIC PROSPECTUS

## DEPARTMENT OF PLANNING

(BACHELORS, MASTERS AND DOCTORAL PROGRAMMES)



योजना तथा वास्तुकला विद्यालय, विजयवाड़ा  
School of Planning and Architecture, Vijayawada  
An Institute of National Importance, Ministry of Education Gov. of India

## WHAT IS **P L A N N I N G**

Planning is an intricate art of shaping the present and future built environment (cities and regions), which meets the spatial, social, cultural, economic and recreational needs of people with an intention to ameliorate living conditions and preserve the environment. It is a profession that endeavours to achieve balance between resource conservation and design on one hand and achieve a living environment conducive to life style and affordability, on the other.

“City planning finds its validation in the intuitive recognition that a burgeoning market society cannot be trusted to produce spontaneously a habitable, sanitary, or even efficient city, much less a beautiful one” - Murray Bookchin, The Limits of the City (1986)

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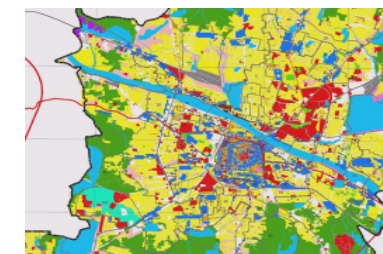
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# Director's Message

With a humble beginning in 2008, our Institute has been rising steadily through the ranks. Our students have earned accolades, both national and international, helping us establish our position as one of the most respected Architecture and Planning Institutes in the country. Deemed as an 'Institute of National importance' by an Act of the Parliament, our students have been entrusted with the huge responsibility of contributing to society through innovation and research in their fields of interest.

Our programmes are designed in such a way that students get accustomed to the practical world, through field visits, study tours, exposure programmes, hands-on workshops, in house seminars and a host of other activities that have been exclusively crafted to build able Architects and Planners to cater to the needs of tomorrow. Through the pages of this brochure, you will get a broad overview of our programmes, activities and work environment.

In addition to this, I would also like to highlight that SPAV has strived to keep up the momentum of the academic semesters even amidst the ongoing pandemic, by making use of various online platforms to deliver quality education to students and encouraging its stakeholders to be a part of numerous webinars that were hosted within the Institute. The commendable efforts of the faculty, students and administration have contributed in making the online teaching – A rich experience of learning, innovation and excellence at SPAV.

-Prof.(Dr.) Minakshi Jain



# Message From the Head Department of Planning

The Planning professional program is designed to equip students to fill professional planning and policy analysis roles in public agencies, international organizations, private firms, and community groups, develop and apply new knowledge in the field of planning, and also provide service to public agencies, communities, and others concerned with the field of Planning. Our programs present opportunities for service learning, internships, and travel. Students have accomplished planning studio projects across India and have also assisted local and state government agencies in conceptualizing and advocating for programmatic shifts in the juvenile justice system.

Upon completion of the Planning Programme, students will be able to: explain major planning paradigms and their applications, articulate processes leading to urbanization and framing rationales for planned interventions, apply planning methods to organize, analyse, interpret and present information, critically and creatively develop planning inquiries or processes to foster solutions-oriented decision-making, effectively collaborate as a planning team to work with a client and/or stakeholders to assess and address a relevant planning problem to create a plan or professional report, effectively present oral and written work (as a plan, professional report, or research paper) in a coherent, persuasive and professional manner and reflect upon the ethical implications of the choices planners make as professionals.

-Dr. Adinarayanane R





# School of Planning and Architecture, Vijayawada



## An Introduction

School of Planning and Architecture, Vijayawada, (in short, SPAV), was established on July 7, 2008 by the Ministry of Education, Government of India, as an autonomous institution it is an institute of excellence in the field of architecture, planning and allied fields. SPAV is a premier Centrally Funded Technical Institution (CFTI) directly under the MoE, for excellence in the fields of Planning and Architecture. In the year 2014, it was recognised as an “Institution of National Importance” under an Act of Parliament (Ministry of Education, Govt. of India). The School has distinguished itself and has grown as a role model in the professional education offering undergraduate, post graduate and doctoral programmes in the fields of planning and architecture, while at the same time fostering quality research in these domains. At SPAV, the academic focus and approach is a unique blend of design, creativity and objectivity with a social purpose. Students not only learn the skills required, but during the course of studies are exposed to thought-provoking and intellectually inspiring sessions, through studios, field trips and research projects, which brings out the creative best in them.

School of Planning and Architecture, Vijayawada has two departments namely Department of Planning and Architecture. Two under graduate programs, one in each of the two departments, Architecture and Planning, were started from the academic year 2008-09. At Post Graduation level, the institute offers three masters programmes of two-year duration each, three in Planning and four in Architecture. Various post graduate and short-term certificate programs are conducted on regular basis in the campus. In addition, the Doctoral Program leading to a Ph.D. Degree has been introduced from the academic year 2012-13.

At SPA Vijayawada, academic degree programmes are designed to address physical, socio-economic and environmental challenges, so as to achieve future sustenance and hence to cater to the specific needs of the industry and academics.

All efforts are being made to develop the School as a place of excellence for innovation, creativity and research through the architecture and planning domains. Faculty members are constantly involved in various academics, research and developmental activities of the School.

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The Department of Planning at SPAV envisions the furthering of existing knowledge and creation of new frontiers in the field of 'Development and Planning' through providing enabling education and training, cutting edge research and professional consultancy in the region. Since 2008, the Department of Planning is involved in shaping young minds through quality education towards making them technically equipped, socially responsible and ethical professionals in the field of Planning.

The students of Bachelors and Masters degree programmes are equipped to study, design and plan cities and regions in aspects of infrastructure, transportation, social amenities, land use zoning, housing, informal sector, ecology, and governance, using state of the art tools, techniques and theories.

The Department started with the four year undergraduate degree programme of Bachelors of Planning in 2008, and has expanded its horizon by starting the two year masters degree programme of Masters in Planning with specialisations in 'Environmental Planning and Management', 'Urban and Regional Planning' and 'Transportation and Infrastructure Planning' in 2013, 2014 and 2018 respectively. The Department also has a Doctoral Research programme since 2012. The students of Planning are exposed to proficient planning expertise through full-time faculty and distinguished visiting faculty. The Alumni of the Department are successfully working across India and the world as professional planners with the government and private sector.



**Bachelors Degree Programmes**

B.Planning - Bachelor of Planning

**Masters Degree Programmes**

M.Planning - Master of Environmental Planning Management (MEPM)

M.Planning - Master of Urban and Regional Planning (MURP)

M.Planning - Master of Transportation and Infrastructure Planning (MTIP)

**Doctoral Programme**

PhD- Doctoral Programme in Planning

**PLANNING**



# THE FACULTY



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# BACHELOR OF PLANNING

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Bachelor of Planning, abbreviated as B.Plan, is a four year full time Bachelor's degree programme in Planning offered by Department of Planning, SPAV, which teaches students about the fundamental aspects and specialised techniques of spatial planning in a comprehensive manner that ranges from neighbourhood to regional planning.

The curriculum is designed to impart basic skills related to settlement patterns, growth and design, that would help students later in their careers to serve in various professional capacities in planning, development and management agencies in the public sector as well as private consultancy organizations. The aim of the programme is multi-disciplinary in nature - drawing from the field of city planning, blending the knowledge from architecture, engineering, geography, economics, sociology, management, law, etc. During the programme, the students are equipped with the knowledge of basic theories, techniques, and design concepts from mainstream of town and country planning. Adequate emphasis is given to practicals / lab-oriented design exercises, where the students have opportunity of learning by doing.

The course structure and syllabus of the B.Plan programme is designed in coherence with the Model Curriculum for B.Plan, All India Council for Technical Education, 2008. B.Plan programme is divided into eight semesters with a total of 240 credits i.e. 30 credits per semester. Each semester has a combination of planning studio, lab-based subjects and theory courses. The first four semesters focus on core theories and techniques in planning, while the final four semesters help develop advanced skill sets, with domain specialisations.

The planning studio exercises progress from basic technical drawing to preparation of base maps, then to site planning and traffic and transportation planning. The fifth and the sixth semester focus on studios in urban context and application-oriented theories. In the seventh semester, the scale of study deals at a regional level with theory subjects emphasising on governance and finance. The eighth semester is about conducting an independent scientific research – culminating all the knowledge and learnings from previous semesters - in the form of a thesis on a topic of interest of each individual student. During the course of the study, the students also undergo Practical Professional Training. After completion of the fourth semester students, are required to work with non-governmental organizations (NGOs) and after their sixth semester they work in planning, organisations in the public sector or private consultancy organizations.

### **CAREER PROSPECTS**

Upon graduation, the students are accepted as full-fledged planning professionals in the discipline of Town and Country Planning. They work as planners, development practitioners, and researchers in the field of planning. The students are accredited as Associate Members by the Institute of Town Planners, India (ITPI) under Ministry of Urban Development, Govt of India, after they acquire two year professional experience.

The students are equipped with the knowledge of various software such as Geographic Information System (GIS), ERDAS Imagine, AutoCAD, Microsoft office tool. The Adequate emphasis is given to practicals/lab-oriented design exercises, where the students have the opportunity of learning by doing.





# Course Structure – Bachelor of Planning, SPAV

## First Semester

S. No.	SUBJECT CODE	SUBJECT TITLE	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	PLN111	Graphics Studio	250	0	250	500	0	15	15	15
2	PLN112	Computer Applications in Planning	50	0	50	100	0	3	3	3
3	PLN113	Introduction to Urban and Regional Planning	50	50	0	100	3	0	3	3
4	PLN114	Evolution of Human Settlements	50	50	0	100	3	0	3	3
5	PLN115	Quantitative Methods for Planning	50	50	0	100	3	0	3	3
6	PLN116	Surveying and Photogrammetry	50	50	0	100	3	0	3	3
<b>Total</b>			<b>500</b>	<b>200</b>	<b>300</b>	<b>1000</b>	<b>12</b>	<b>18</b>	<b>30</b>	<b>30</b>

## Second Semester

S. No.	SUBJECT CODE	SUBJECT TITLE	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	PLN121	Planning and Mapping Studio	250	0	250	500	0	15	15	15
2	PLN122	Introduction to Geoinformatics	50	0	50	100	0	3	3	3
3	PLN123	Population and Settlement Geography	50	50	0	100	3	0	3	3
4	PLN124	Planning Project Estimation	50	50	0	100	3	0	3	3
5	PLN125	Elements of Economics for Planning	50	50	0	100	3	0	3	3
6	PLN126	Elements of Sociology for Planning	50	50	0	100	3	0	3	3
<b>Total</b>			<b>500</b>	<b>200</b>	<b>300</b>	<b>1000</b>	<b>12</b>	<b>18</b>	<b>30</b>	<b>30</b>

IA = Internal Assessment

TM = Total Marks

P = Practicals/ Lab/Workshop Periods

EE = End Evaluation

L = Lecture Periods

EJ = External Jury / Viva Voce

TP = Total Periods

## Third Semester

S. No.	SUBJECT CODE	SUBJECT TITLE	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	PLN211	Built Environment and Site Planning Studio	250	0	250	500	0	15	15	15
2	PLN212	Planning Techniques	50	50	0	100	3	0	3	3
3	PLN213	Planning Theory	50	50	0	100	3	0	3	3
4	PLN214	Planning for Physical Infrastructure	50	50	0	100	3	0	3	3
5	PLN215	Traffic and Transportation Planning	50	50	0	100	3	0	3	3
6	PLN216	Socio-economic Structure and Spatial Planning	50	50	0	100	3	0	3	3
<b>TOTAL</b>			<b>500</b>	<b>250</b>	<b>250</b>	<b>1000</b>	<b>15</b>	<b>15</b>	<b>30</b>	<b>30</b>

## Fourth Semester

S. No.	SUBJECT CODE	SUBJECT TITLE	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	PLN221	Transportation Planning Studio	250	0	250	500	0	15	15	15
2	PLN222	Advanced Geoinformatics	50	0	50	100	0	3	3	3
3	PLN223	Contemporary Planning Theory	50	50	0	100	3	0	3	3
4	PLN224	Civic and Social Infrastructure Planning	50	50	0	100	3	0	3	3
5	PLN225	Urban Renewal and Re-development	50	50	0	100	3	0	3	3
6	PLN226	Housing and Real Estate Development	50	50	0	100	3	0	3	3
<b>TOTAL</b>			<b>500</b>	<b>200</b>	<b>300</b>	<b>1000</b>	<b>12</b>	<b>18</b>	<b>30</b>	<b>30</b>

Note: Compulsory Practical training during summer vacation.

IA = Internal Assessment      EE = End Evaluation      EJ = External Jury / Viva Voce  
 TM = Total Marks      L = Lecture Periods  
 P = Practicals/ Lab/Workshop Periods      TP = Total Periods

## Fifth Semester

S. No.	SUBJECT CODE	SUBJECT TITLE	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	PLN311	Area Development Planning Studio	250	0	250	500	0	15	15	15
2	PLN312	Planning and Management of Green and Open Spaces	50	50	0	100	3	0	3	3
3	PLN313	Integrated Planning for Informal Sector	50	50	0	100	3	0	3	3
4	PLN314	Development Planning and Management	50	50	0	100	3	0	3	3
5	PLN315	Environmental Planning and Management	50	50	0	100	3	0	3	3
6	PLN316	Planning Legislation	50	50	0	100	3	0	3	3
<b>TOTAL</b>			<b>500</b>	<b>250</b>	<b>250</b>	<b>1000</b>	<b>15</b>	<b>15</b>	<b>30</b>	<b>30</b>

## Sixth Semester

S. No.	SUBJECT CODE	SUBJECT TITLE	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	PLN321	Master Plan Studio	250	0	250	500	0	15	15	15
2	PLN322	Regional Planning	50	50	-	100	3	0	3	3
3	PLN323	Planning Practice	50	50	-	100	3	0	3	3
4	PLN324	Project Formulation and Appraisal	50	50	-	100	3	0	3	3
5	PLN325	Data Analytics and Programming in Planning	50	50	-	100	3	0	3	3
<b>ANY ONE</b>										
6	PLN3210	Freight Transport and Logistics	50	50	-	100	3	0	3	3
7	PLN3211	Tourism Planning	50	50	-	100	3	0	3	3
8	PLN3212	Elective from other Dept. **	50	50	-	100	3	0	3	3
<b>TOTAL</b>			<b>500</b>	<b>250</b>	<b>250</b>	<b>1000</b>	<b>15</b>	<b>15</b>	<b>30</b>	<b>30</b>

\*Elective – I offered from the Department of Planning

\*\*Elective – II offered from the other Department/s

Note: Compulsory Practical training during summer vacation.

IA = Internal Assessment

EE = End Evaluation

EJ = External Jury / Viva Voce

TM = Total Marks

L = Lecture Periods

P = Practicals/ Lab/Workshop Periods

TP = Total Periods

### PLN311 is to be read as:

PLN = B.Planning 3 (1st Digit) = 3rd Year 1 (2nd Digit) = 1st Sem of 3rd Yr 1 (3rd Digit) = 1st Subject.

### PLN3210 is to be read as:

PLN = B.Planning 3 (1st Digit) = 3rd Year 2 (2nd Digit) = 1st Sem of 3rd Yr 10 (3rd & 4th Digit) = 1st Elective Subject.



## Seventh Semester

S. No.	SUBJECT CODE	SUBJECT TITLE	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	PLN411	Regional Planning & Development Studio	250	0	250	500	0	15	15	15
2	PLN412	Dissertation –Formulation of Research Proposal	50	0	50	100	0	3	3	3
3	PLN413	Urban Finance	50	50	-	100	3	0	3	3
4	PLN414	Metropolitan Planning	50	50	-	100	3	0	3	3
5	PLN415	Governance and Management	50	50	-	100	3	0	3	3
<b>ANY ONE</b>										
6	PLN4110	Environmental Impact Assessment *	50	50	-	100	3	0	3	3
7	PLN4111	Planning for Disaster Management *	50	50	-	100	3	0	3	3
8	PLN4112	Elective from other Dept.**	50	50	-	100	3	0	3	3
<b>TOTAL</b>			<b>500</b>	<b>250</b>	<b>250</b>	<b>1000</b>	<b>12</b>	<b>18</b>	<b>30</b>	<b>30</b>

\*Elective – I offered from the Department of Planning

\*\*Elective – II offered from the other Department/s

## Eighth Semester

S. No.	SUBJECT CODE	SUBJECT TITLE	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	PLN421	Dissertation	350	0	350	700	0	21	21	21
2	PLN422	Rural Planning and Development	50	50	0	100	3	0	3	3
3	PLN423	Water sensitive Urban Development	50	50	0	100	3	0	3	3
4	PLN424	Climate Change and Cities	50	50	0	100	3	0	3	3
<b>TOTAL</b>			<b>500</b>	<b>150</b>	<b>350</b>	<b>1000</b>	<b>9</b>	<b>21</b>	<b>30</b>	<b>30</b>

IA = Internal Assessment

TM = Total Marks

P = Practicals/ Lab/Workshop Periods

EE = End Evaluation

L = Lecture Periods

EJ = External Jury / Viva Voce

TP = Total Periods

### PLN411 is to be read as:

PLN = B.Planning 4 (1st Digit) = 4th Year 1 (2nd Digit) = 1st Sem of 4th Yr 1 (3rd Digit) = 1st Subject.

### PLN4110 is to be read as:

PLN = B.Planning 4 (1st Digit) = 4th Year 1 (2nd Digit) = 1st Sem of 4th Yr 10 (3rd & 4th Digit) = 1st Elective Subject.



An aerial photograph of a city, showing a dense urban grid on the left and a river winding through the center. The right side of the image is dominated by a large green area, possibly a park or forest. The overall scene is a mix of urban development and natural landscape.

# MASTER OF PLANNING

**MASTER OF ENVIRONMENTAL PLANNING  
AND MANAGEMENT**

**MASTER OF URBAN AND REGIONAL  
PLANNING**

**MASTER OF TRANSPORTATION AND  
INFRASTRUCTURE PLANNING**



# MASTER OF ENVIRONMENTAL PLANNING AND MANAGEMENT

## INTRODUCTION

Master of Planning (Environmental Planning & Management), abbreviated as M.Plan (EPM), is a two year full time Master's degree programme in Environmental Planning aimed to rationally sensitise the students towards the intricate ecological relationship between nature and human settlements.

The programme envisioned to equip students with adequate skills required to comprehend, analyse and plan for urban and regional issues with the pretext of maintaining ecological balance. This broad objective shall fundamentally involve comprehension of physical, socio-economic, cultural, political and ecological dimensions of the human settlements. It shall focus particularly in recording and interpreting environmental resource baseline and their local and regional capacities to deal with human needs.

The course structure and syllabus of the M.Plan (EPM) programme is designed in coherence with the Model Curriculum for M.Plan / M.Tech (Planning), All India Council for Technical Education, 2011. M.Plan (EPM) programme is divided into four semesters where each semester has a combination of planning studio, lab-based subjects and theory courses with 120 credits in total i.e 30 credits per semester.

The first semester is an integrated semester common to all master courses of planning offered by the School. It introduces the fundamentals aspects of planning, such as planning techniques, housing, environment, infrastructure, transportation, socio-economic elements and information systems for planning. The studio focuses on the area appreciation and mapping techniques. The second semester is aimed to inculcate the core specialised competencies of environmental planning in terms of theories and tools theory of environmental planning, ecological footprint analysis, environmental economics, waste water treatment, planning for healthy cities, etc. Hands on training are provided to students on environmental monitoring through lab course. The studio aims to take up a small or medium town with development challenges and local/urban environmental issues. It offers two electives, out of which students are expected to select one. The students are given professional exposure through practical training of a month during summer vacation after second semester.

The third semester focuses on regional environmental planning issues and imparts advanced level theory courses like EIA techniques, energy studies, and environmental law and professional practise. The students are expected to develop their thesis ideas in the semester through the advanced research methodology course.

The fourth semester requires the student to undertake thesis/terminal project with an emphasis on academic or applied research. In addition, two theory subjects are offered on environmental justice, and environmental policy and governance. The course endeavours to give real time experience to students through their involvement in the ongoing or live projects.

The students are equipped with the knowledge of various software such as Geographic Information System (GIS), ERDAS Imagine, AutoCAD, Microsoft office tool. The Adequate emphasis is given to practicals/lab- oriented design exercises, where the students have the opportunity of learning by doing.



## CAREER PROSPECTS

The programme is designed to produce specialists in the domain of environmental planning. Students evolve into planners, who are not only environmentally sensitive in their planning approaches but are versed with the know-how of the state-of-the-art techniques in the industry. The students find themselves employed with environmental research institutes, environmental government departments, core government planning teams, development and conservation agencies, public policy organisations, NGOs, academics and private firms who deal with projects related to environment and development.

# Course Structure – MEPM

## First Semester ( Integrated)

S. no	SUBJECT CODE	COURSE TITLE	Distribution of Periods per week			Total Periods Per Week	Credits
			L	T	S/P		
1	MPIS111	Area Planning Studio	3	0	12	15	15
2	MPIS112	Planning Theories and Concepts	2	1	0	3	3
3	MPIS113	Planning Techniques and Quantitative Methods	2	1	0	3	3
4	MPIS114	Habitat and Environment Planning	2	1	0	3	3
5	MPIS115	Infrastructure Planning	2	1	0	3	3
6	MPIS116	Socio-Economic Dimensions in Planning	2	1	0	3	3
<b>TOTAL</b>			<b>13</b>	<b>5</b>	<b>12</b>	<b>30</b>	<b>30</b>

## Second Semester

S. no	SUBJECT CODE	COURSE TITLE	Distribution of Periods per week			Total Periods Per Week	Credits
			L	T	S/P		
1	MEPM121	Urban Environmental Planning Studio	3	0	12	15	15
2	MEPM122	Applications of Geoinformatics	1	1	1	3	3
3	MEPM123	Environmental Monitoring & Assessment Tools	2	1	0	3	3
4	MEPM124	Theory of Environmental Planning & Design	2	1	0	3	3
5	MEPM125	Environmental Economics	2	1	0	3	3
<b>Elective 1: ANY ONE</b>							
6	MEPM1210	Ecological Footprints Analysis	2	1	0	3	3
7	MEPM1211	Advanced Water and Wastewater Treatment	2	1	0	3	3
8	MEPM1212	Planning for Healthy Cities	2	1	0	3	3
9		From other Master programmes (same semester)	2	1	0	3	3
<b>TOTAL</b>			<b>12</b>	<b>5</b>	<b>13</b>	<b>30</b>	<b>30</b>

Note: Compulsory Summer Professional training / internship (of six weeks) after second semester is to be undertaken by each student. The compulsory training shall be deemed as completed only when the Department of Planning examines the work of each student in the subsequent third semester and declares it to be "Satisfactorily Completed".

### MPIS111 is to be read as:

MPIS = Masters in Planning (Integrated Sem);  
1 (2nd digit) = 1st Sem of 1st Year;

1 (1st digit) = 1st Year;  
1 (3rd digit) = 1st Subject.

### MEPM121 is to be read as:

MEPM = Masters in Environmental Planning;  
2 (2nd digit) = 2nd Sem of 1st Year;

1 (1st digit) = 1st Year;  
1 (3rd digit) = 1st Subject.

### MEPM1210 is to be read as:

MEPM = Masters in Environmental Planning;  
2 (2nd digit) = 2nd Sem of 1st Year;

1 (1st digit) = 1st Year;  
10 (3&4th digit) = 1st Elective Subject.



## Third Semester

S. no	SUBJECT CODE	COURSE TITLE	Distribution of Periods per week			Total Periods Per Week	Credits
			L	T	S/P		
1	MEPM211	Regional Environmental Planning Studio	3	0	12	15	15
2	MPIS212	Research Methods	2	1	0	3	3
3	MEPM213	Environmental Impact Assessment Techniques	2	1	0	3	3
4	MEPM214	Project Planning & Management	2	1	0	3	3
5	MEPM215	Energy Studies	2	1	0	3	3
<b>Elective 2: ANY ONE</b>							
6	MEPM2110	Human Settlements and Climate Change	2	1	0	3	3
7	MEPM2111	Waste Management	2	1	0	3	3
8		From other Masters programme (same semester)	2	1	0	3	3
<b>TOTAL</b>			<b>13</b>	<b>5</b>	<b>12</b>	<b>30</b>	<b>30</b>

## Fourth Semester

S. no	SUBJECT CODE	COURSE TITLE	Distribution of Periods per week			Total Periods Per Week	Credits
			L	T	S/P		
1	MEPM221	Environmental Planning Thesis	2	0	22	24	24
2	MEPM222	Environmental Justice and Professional Practice	2	1	0	3	3
3	MEPM223	Environmental Law, Policy and Governance	2	1	0	3	3
<b>TOTAL</b>			<b>6</b>	<b>2</b>	<b>22</b>	<b>30</b>	<b>30</b>

**MEPM211 is to be read as:**

MURP = Masters in Environmental Planning;  
1 (2nd digit) = 1st Sem of 2nd Year;

2 (1st digit) = 2nd Year;  
1 (3rd digit) = 1st Subject.

**MEPM2110 is to be read as:**

MURP = Masters in Environmental Planning;  
1 (2nd digit) = 1st Sem of 2nd Year;

2 (1st digit) = 2nd Year;  
10 (3&4th digit) = 1st Elective Subject.

Note: Credits for each subject are the same as the number of lecture / practical hours per week, whichever is higher.

# MASTER OF URBAN AND REGIONAL PLANNING

## INTRODUCTION

Master of Planning (Urban & Regional Planning), abbreviated as M.Plan (URP), is a two year full time Master's degree programme in planning aimed to equip the students with adequate skills required to comprehend urban and regional issues and to analyse physical, socio-economic, cultural, political and ecological dimensions of the human settlements.

The course is designed to provide necessary exposure to various planning processes, emerging trends and other related advanced technical know-how. It intends to contribute towards the creation of professionals in the field and hence to cater to the specific needs of the industry and academics. During the course, the students will be provided with ample opportunities to interact with the subject experts, relevant organisations, etc. The course enables the students to gain real time experience through their involvement in the ongoing or live projects.

M.Plan (URP) is a two-year course consisting of four semesters. The course structure and syllabus is designed in coherence with the Model Curriculum for M.Plan / M.Tech (Planning), All India Council for Technical Education, 2011. The course structure is a combination of various subjects, which includes studios, labs, theory, and field visits. The broad course structure is as follows:

The first semester is an integrated semester common to all master courses of planning offered by the school. The studio focuses on area planning. Subjects offered are introduction to information systems, evolution of human settlements and planning, planning techniques and quantitative methods, habitat and environmental planning, infrastructure planning, and socio-economic dimensions in planning. The second semester focuses on urban planning and consists of the related subjects, such as applications of geo-informatics, city and metropolitan planning, land economics and management, advanced infrastructure planning, and urban and regional governance. The students are given professional exposure through practical training of a month during summer vacation after second semester.

The third semester focuses on regional planning. Subjects offered in this semester are advanced research methods, planning legislation and professional practice, rural planning and development, project planning and management, and disaster preparedness and management. In the fourth semester, students would be required to undertake thesis. In addition, two theory subjects are offered. These include development finance, and planning and politics.

The students are equipped with the knowledge of various software such as Geographic Information System (GIS), ERDAS Imagine, AutoCAD, Microsoft office tool. The Adequate emphasis is given to practicals/lab- oriented design exercises, where the students have the opportunity of learning by doing.



## CAREER PROSPECTS

The programme is designed to enable the growth of the students into professionals in the field of both urban and regional planning. The students have broad opportunities to associate with government planning departments, urban local bodies, policy-research institutes, development and management organizations, academics etc. in both public and private entities and even NGOs.

# Course Structure – MURP

## First Semester ( Integrated )

S. no	SUBJECT CODE	COURSE TITLE	Distribution of Periods per week			Total Periods Per Week	Credits
			L	P	S/P		
1	MPIS111	Area Planning Studio	3	0	12	15	15
2	MPIS112	Planning Theories and Concepts	2	1	0	3	3
3	MPIS113	Planning Techniques and Quantitative Methods	2	1	0	3	3
4	MPIS114	Habitat and Environment Planning	2	1	0	3	3
5	MPIS115	Infrastructure Planning	2	1	0	3	3
6	MPIS116	Socio-Economic Dimensions in Planning	2	1	0	3	3
<b>TOTAL</b>			<b>13</b>	<b>5</b>	<b>12</b>	<b>30</b>	<b>30</b>

## Second Semester

S. no	SUBJECT CODE	COURSE TITLE	Distribution of Periods per week			Total Periods Per Week	Credits
			L	P	S/P		
1	MURP121	Urban Planning Studio	3	0	12	15	15
2	MURP122	Applications of Geo-informatics	1	1	1	3	3
3	MURP123	City and Metropolitan Planning	2	1	0	3	3
4	MURP124	Land Economics and Management	2	1	0	3	3
5	MURP125	Urban and Regional Governance	2	1	0	3	3
Elective 1: ANY ONE							
6	MURP1210	Inclusive Planning	2	1	0	3	3
7	MURP1211	Demography and Planning	2	1	0	3	3
8	MURP1212	Smart Cities	2	1	0	3	3
9	MURP1213	Urban Renewal	2	1	0	3	3
10		From other Masters programme (same semester)	2	1	0	3	3
<b>TOTAL</b>			<b>12</b>	<b>5</b>	<b>12</b>	<b>30</b>	<b>30</b>

IA = Internal Assessment

TM = Total Marks

EE = End Evaluation

L = Lecture Periods

EJ = External Jury/ Viva Voce

P = Practicals/ Lab/Workshop Periods

TP = Total Periods

Note: Compulsory summer professional training /Internship (4-6 weeks) after second semester

### MPIS111 is to be read as:

MPIS = Masters in Planning (Integrated Sem);

1 (2nd digit) = 1st Sem of 1st Year;

1 (1st digit) = 1st Year;

1 (3rd digit) = 1st Subject.

### MURP121 is to be read as:

MURP = Masters in Urban Planning;

2 (2nd digit) = 2nd Sem of 1st Year;

1 (1st digit) = 1st Year;

1 (3rd digit) = 1st Subject.

### MURP1210 is to be read as:

MURP = Masters in Urban Planning;

2 (2nd digit) = 2nd Sem of 1st Year;

1 (1st digit) = 1st Year;

10 (3&4th digit) = 1st Elective Subject.

## Third Semester

S. no	SUBJECT CODE	COURSE TITLE	Distribution of Periods per week			Total Periods Per Week	Credits
			L	P	S/P		
1	MURP211	Regional Planning Studio	3	0	12	15	15
2	MPIS212	Research Methods	2	1	0	3	3
3	MURP213	Rural Planning and Development	2	1	0	3	3
4	MURP214	Project Planning and Management	2	1	0	3	3
5	MURP215	Disaster Preparedness and Management	2	1	0	3	3
Elective 1: ANY ONE							
6	MURP2110	Human Settlements and Climate Change	2	1	0	3	3
7	MURP2111	Special Area Planning	2	1	0	3	3
8	MURP2112	Future Settlements	2	1	0	3	3
9	MURP2113	Tourism Planning and Development	2	1	0	3	3
10	MURP2114	Planning and Politics	2	1	0	3	3
11		From other Masters programme (same semester)	2	1	0	3	3
<b>TOTAL</b>			<b>13</b>	<b>5</b>	<b>12</b>	<b>30</b>	<b>30</b>

## Fourth Semester

S. no	SUBJECT CODE	COURSE TITLE	Distribution of Periods per week			Total Periods Per Week	Credits
			L	P	S/P		
1	MURP221	Planning Thesis	2	0	22	24	24
2	MURP222	Development Finance	2	1	0	3	3
3	MURP223	Planning Legislation and Professional Practice	2	1	0	3	3
<b>TOTAL</b>			<b>6</b>	<b>2</b>	<b>22</b>	<b>30</b>	<b>30</b>

IA = Internal Assessment

L = Lecture Periods

P = Practicals/ Lab/Workshop Periods

TM = Total Marks

EE = End Evaluation

EJ = External Jury/ Viva Voce

TP = Total Periods

### MURP211 is to be read as:

MURP = Masters in Urban Planning;

1 (2nd digit) = 1st Sem of 2nd Year;

2 (1st digit) = 2nd Year;

1 (3rd digit) = 1st Subject.

### MURP2110 is to be read as:

MURP = Masters in Urban Planning;

1 (2nd digit) = 1st Sem of 2nd Year;

2 (1st digit) = 2nd Year;

10 (3&4th digit) = 1st Elective Subject.



# Master of Transportation and Infrastructure Planning

## INTRODUCTION

Master of Planning (Transportation and Infrastructure Planning), abbreviated as M.Plan (TIP), is a two year full time Master's degree programme in planning aimed to equip the students with adequate skills and necessary exposure required to comprehend Transportation and Infrastructure issues and to analyse physical and technical dimensions of the transport planning.

The course is designed to provide necessary exposure to various transport planning processes, emerging trends and other related advanced technical know-how. It intends to contribute towards the creation of professionals in the field and hence to cater to the specific needs of the industry and academics. During the course, the students are trained to prepare integrated land use transportation plans and conduct detailed feasibility studies of different transportation projects considering dimensions of planning, engineering and economics and will be provided with ample opportunities to interact with the subject experts, relevant organisations, etc. The course enables the students to gain real time experience through their involvement in the ongoing or live projects.

M.Plan (TIP) is a two-year course consisting of four semesters. The course structure and syllabus is designed in coherence with the Model Curriculum for M.Plan / M.Tech (Planning), All India Council for Technical Education, 2011. The course structure is a combination of various subjects, which includes studios, labs, theory, and field visits. The broad course structure is as follows:

The first semester is an integrated semester common to all master courses of planning offered by the school. The studio focuses on area planning. Subjects offered are introduction to information systems, evolution of human settlements and planning, planning techniques and quantitative methods, habitat and environmental planning, infrastructure planning, and socio-economic dimensions in planning.

The second semester focuses on Transport planning and consists of the related subjects, such as Geospatial Techniques for Transportation, Highway Planning and Traffic System Design, Urban Transport Planning, Public Transport Planning, and Transport Economics. The students are given professional exposure through practical training of a month during summer vacation after second semester.

The third semester focuses on Transport Infrastructure Planning. Subjects offered in this semester are advanced research methods, Logistics and Freight Distribution and Smart Mobility, Transport Infrastructure Design, Regional Transport Planning.

In the fourth semester, students would be required to undertake thesis project with an emphasis on academic or applied research. In addition, two theory subjects are offered. These include Project Formulation and Appraisal, and Transport Policy and Governance. The course endeavours to give real time experience to students through their involvement in the ongoing or live projects.

The Students are equipped with the knowledge of various software such as Geographic Information System, Cubes, Vissim, Visum, AutoCAD etc. the adequate emphasis is given to practical/lab-oriented design exercises, where the students have the opportunity of learning by doing



## CAREER PROSPECTS

The programme is designed to enable the growth of the students into professionals in the field of both Transportation and Infrastructure planning. The students have broad opportunities to associate with government planning departments, urban local bodies, policy-research institutes, development and management organizations, academics etc. in both public and private entities and even NGOs.

# Course Structure – MTIP

## First Semester ( Integrated )

S. no	SUBJECT CODE	COURSE TITLE	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	MPIS102	Introduction to Information Systems	50	-	50	100	0	3	3	3
2	MPIS103	Evolution of Human Settlements and Planning	50	50	-	100	3	0	3	3
3	MPIS104	Planning Techniques and Quantitative Methods	50	50	-	100	3	0	3	3
4	MPIS105	Habitat and Environmental Planning	50	50	-	100	3	0	3	3
5	MPIS106	Infrastructure Planning	50	50	-	100	3	0	3	3
6	MPIS107	Socio-Economic Dimensions in Planning	50	50	-	100	3	0	3	3
7	MPIS101	Area Planning Studio	200	-	200	400	0	12	12	12
<b>TOTAL</b>			<b>500</b>	<b>250</b>	<b>250</b>	<b>1000</b>	<b>15</b>	<b>15</b>	<b>30</b>	<b>30</b>

## Second Semester

S. no	SUBJECT CODE	COURSE TITLE	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	MPTI201	Transport Planning Studio	200	-	200	400	0	12	12	12
2	MPTI202	Geospatial Techniques for	50	-	50	100	0	3	3	3
3	MPTI203	Transportation	50	50	-	100	3	0	3	3
4	MPTI204	Highway Planning and Traffic System Design	50	50		100	3	0	3	3
5	MPTI205	Public Transport Planning	50	50	-	100	3	0	3	3
6	MPTI206	Transport Economics	50	50	-	100	3	0	3	3
<b>ANY ONE</b>										
7	MPTI211	Elective 1: Sociology and Transport Planning	50	50	-	100	3	0	3	3
8	MPTI212	Elective 2: Transport and Environment	50	50	-	100	3	0	3	3
9	MPTI213	Elective 3: From other Master programmes (same semester)	50	50	-	100	3	0	3	3
<b>TOTAL</b>			<b>500</b>	<b>250</b>	<b>250</b>	<b>1000</b>	<b>15</b>	<b>15</b>	<b>30</b>	<b>30</b>

IA = Internal Assessment      EE = End Evaluation      EJ = External Jury / Viva Voce  
 TM = Total Marks      L = Lecture Periods  
 P = Practicals/ Lab/Workshop Periods      TP = Total Periods

### MPIS104 is to be read as:

MP = M.Planning; IS = Integrated Sem; 1 (1st digit) = 1stSem; 0 (2nd digit) = Core Subject; 4 (3rd digit) = 4th Subject.

### MPTI212 is to be read as:

MP = M.Planning; TI = Transportation & Infrastructure; 2 (1st digit) = 2ndSem; 1 (2nd digit) = Elective Subject; 2 (3rd digit) = 2nd Elective Subject.

Note: Compulsory summer professional training / internship (four weeks) after second semester

## Third Semester

S. no	SUBJECT CODE	COURSE TITLE	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	MPTI301	Transport Infrastructure Planning Studio	200	-	200	400	0	12	12	12
2	MPTI302	Advanced Research Methods	50	-	50	100	0	3	3	3
3	MPTI303	Logistics and Freight Distribution	50	50	-	100	3	0	3	3
4	MPTI304	Smart Mobility	50	50	-	100	3	0	3	3
5	MPTI305	Transport Infrastructure Design	50	50	-	100	3	0	3	3
6	MPTI306	Regional Transport Planning	50	50	-	100	3	0	3	3
<b>ANY ONE</b>										
7	MPTI311	Elective 1: Port Planning	50	50	-	100	3	0	3	3
8	MPTI312	Elective 2: Transport Infrastructure for Tourism Sector	50	50	-	100	3	0	3	3
9	MPTI313	Elective 3: Transport Infrastructure Finance	50	50	-	100	3	0	3	3
10	MPTI314	Elective 4: From other Master programmes (same semester)	50	50	-	100	3	0	3	3
<b>TOTAL</b>			<b>500</b>	<b>250</b>	<b>250</b>	<b>1000</b>	<b>15</b>	<b>15</b>	<b>30</b>	<b>30</b>

## Fourth Semester

S. no	SUBJECT CODE	COURSE TITLE	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	MPTI401	Transport Planning Thesis	400	-	400	800	0	24	24	24
2	MPTI402	Project Formulation and Appraisal	50	50	-	100	3	0	3	3
3	MPTI403	Transport Policy and Governance	50	50	-	100	3	0	3	3
<b>TOTAL</b>			<b>500</b>	<b>100</b>	<b>400</b>	<b>1000</b>	<b>6</b>	<b>24</b>	<b>30</b>	<b>30</b>

IA = Internal Assessment      EE = End Evaluation      EJ = External Jury / Viva Voce  
 TM = Total Marks      L = Lecture Periods  
 P = Practicals/ Lab/Workshop Periods      TP = Total Periods

**MPTI401 is to be read as:**

MP = M.Planning; TI = Transportation & Infrastructure; 4 (1st digit) = 4th Sem; 0 (2nd digit) = Core Subject; 1 (3rd digit) = 1st Subject.

**MPTI311 is to be read as:**

MP = M.Planning; TI = Transportation & Infrastructure; 3 (1st digit) = 2ndSem; 1 (2nd digit) = Elective Subject

Note: Credits for each subject are the same as the number of lecture /practical hours per week, whichever is higher.

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# Admission

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## Bachelor of Planning

Intake- 34

### Eligibility-

The admission to the Bachelor of Architecture and Bachelor of Planning courses is made on the basis of Joint Seat Allocation Authority (JOSAA 2020). The students have to qualify the basic requirements as per Central Seat Allocation Board (CSAB). The criteria for admission as per CSAB 2020. **JOSAA 2020 | CSAB 2020**

### FN/NRI/PIO:

Admission of Foreign Nationals (FN) / Non-Resident Indians (NRI) and Person of Indian Origin (PIO) is made through DASA, a platform of admissions by the MoE, Govt of India. Please refer – [dasanit.org](http://dasanit.org)



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# Masters of Planning

## I. Master of Planning ( Environmental Planning and Management)

**Intake- 20**

### Eligibility

B.Planning / B.Arch / B.Tech (Planning or Civil Engineering) / B.E. (Civil Engineering) / Master's Degree in Geography or Economics or Sociology.

## II. Master of Planning (Urban and Regional Planning)

**Intake- 20**

### Eligibility

B.Planning / B.Arch / B.Tech (Planning or Civil Engineering) / B.E. (Civil Engineering) / Master's Degree in Geography or Economics or Sociology.

## III. Master of Planning (Transportation& Infrastructure Planning)

**Intake- 20**

### Eligibility

B.Planning / B.Arch / B.E. or B.Tech (Planning or Civil Engineering) / Master's Degree in Economics or Statistics or Operations Research.

### Marks/Grades Eligibility

CGPA of 6.5 on a 10-point scale (or equivalent) or 60% marks in case of Open/OBC candidates in qualifying degree, whereas in case of SC/ST candidates a CGPA of 6.0 on a 10-Point scale (or equivalent) or 55% marks in qualifying degree will be applicable or the applicable GoI norms adopted by the institute from time to time. EWS shall be as per the GoI norms.

### Reservation of Seats

Reservation for all the courses will be applicable for SC/ST/OBC/EWS/PH, AP and Kashmiri Migrants etc as per rules of the Government of India. For more details please visit our **website:** [spav.ac.in](http://spav.ac.in).

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## Doctoral Programmes (FULL TIME)

Full time PhD Programme for candidates having valid GATE/JRF/CEED score, any other institutional scholarship / sponsorship including ICCR and self financed (OCI & PIO) foreign scholars with self financing or ICCR sponsored or bilateral fellowships are also encouraged to apply for PhD.

### Eligibility

The applicant must have Master degree in Planning/Architecture in appropriate discipline with a CGPA of 6.5 on a 10-point scale (or equivalent) or 60% marks in case of General/OBC/EWS candidates in qualifying degree, whereas in case of SC/ST/PH candidates a CGPA of 6.0 on 10-point scale (or equivalent) or 55% marks in the qualifying degree will be applicable.

### Admission

Admission shall be made through written test. The applicants clearing the written test shall appear for viva-voce with respect to the area of research interest with a brief Power Point Presentation.

# Pedagogy & Outreach

## Academic Calendar and Weekly Load

Teaching in SPAV is spaced into 2 semesters per annum. In each semester, there is approximately 17-18 weeks of teaching, with 35 periods per week (having 5 working days each). Out of the 35 periods per week, the majority portion is assigned to Planning Design Studio with the balance delving into theory courses. There are progressive internal assessments throughout the semester in each subject. Semester end examinations happen every April-May and November-December, which includes written, viva-voce and jury exams.

## Theory Subjects

In each semester, there are approximately 4-5 theory subjects covered by each planning batch. The theory subjects are lecture and tutorial intensive and are aimed at enhancing theoretical understanding with critical thinking. Theories, techniques, tools and models are introduced with specific weekly lecture plans, interspaced with assignments and assessments

## Planning & Design Studio

Planning requires hands-on experience to utilise the knowledge gained out of theoretical subjects. This is done through practical field-based exercises that involve preparation of development and spatial plans at various levels. These subjects with entail students to take up a live planning exercise of a city and address its issues to plan for the future is called studios.

**Studios** help students to work in teams, and get acquainted with live case areas and their problems and help them prepare a professional plan that is relevant to the residents and local bodies. Each semester has a studio focus. The studio focus starts from graphic design techniques at first semester and gradually extends till preparation of Regional plan at pre-final semester in all the three programmes. The planning and design studio is carried out in parallel to theory subjects. The studio methodology progresses through a study of literature, preparation of base map and thematic maps, field visits (which includes collection and collation of data from various offices and also through interviews, surveys, focus group discussions etc.), data analysis and finally coming out with development proposals for a particular case area that address issues or infrastructure, transportation, land use, housing, social amenities and environment.

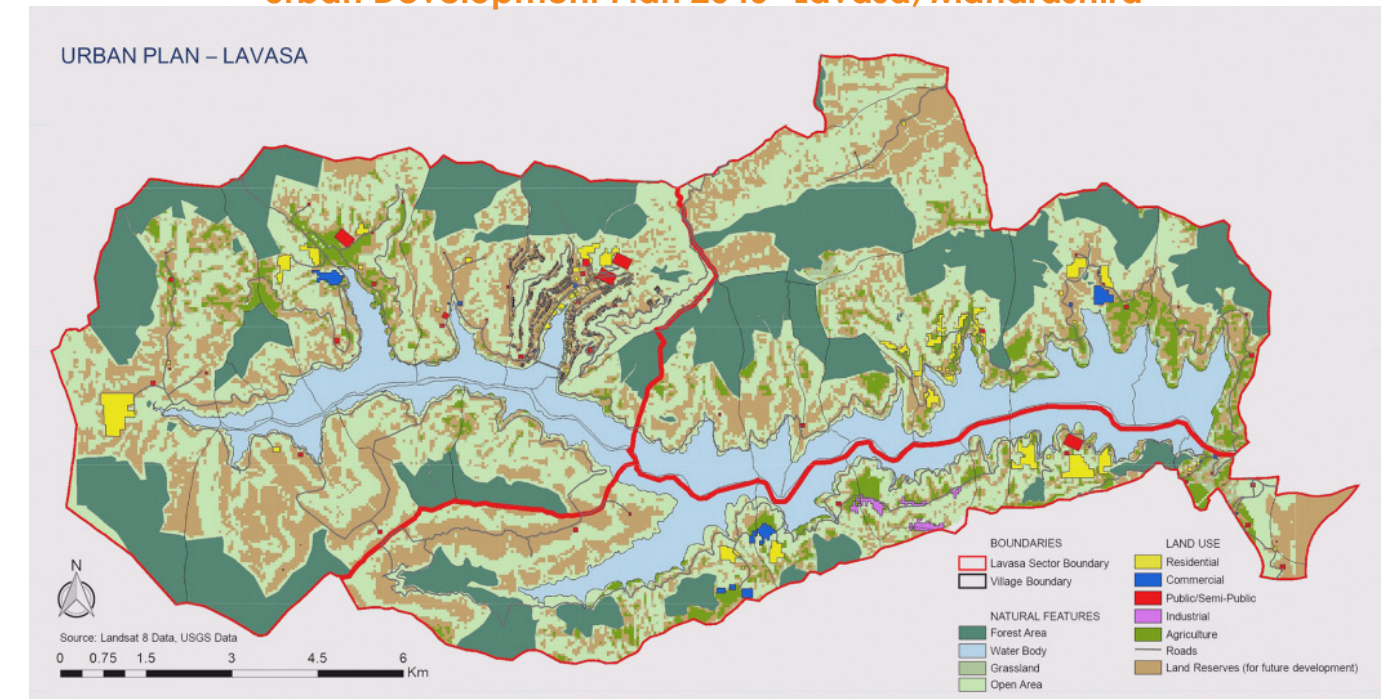
The planning and design studio culminate in an **external jury** where the students are required to showcase their entire semester work to a panel of external experts from both academics and industry. Apart from this, students are assessed at various stages of their work through internal reviews conducted by the department.



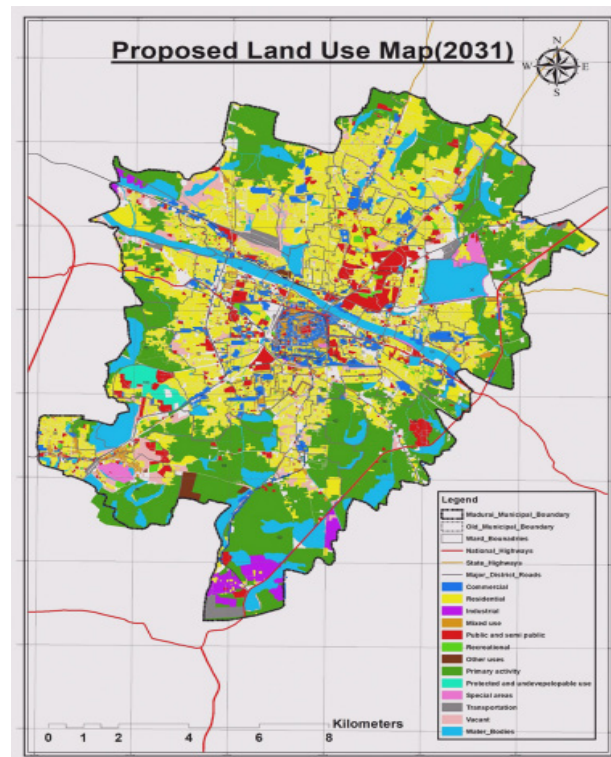
## Some of the Studio Projects, completed successfully recently-

YEAR	BATCH	STUDIO PROJECT
2016-2017	MURP II Sem	Baruch-Ankleswar Master Plan
	MEPM II Sem	Eco-City Development Plan, Ujjain 2031
	B.Plan III Yr	Development Plan for Kanyakumari Town 2026
	M.Plan I Sem	Singaraya Konda Cluster Village Development Plan
	MURP III Sem	Development Plan for Chittoor District 2031
	MEPM III Sem	Regional Environmental Plan Kasaragod, Kerala
	B.Plan IV Yr	Regional Plan for Araku Valley 2026
2015-2016	MEPM III Sem	Regional Environmental Plan Kasaragod, Kerala
	B.Plan IV Yr	Regional Plan for Araku Valley 2026
	B.Plan III Yr	Ahmedabad Area Development Plan
	MURP II Sem	Gandhi Nagar Master Plan 2021
	MEPM II Sem	Nellore Environmental Management Plan 2031
	B.Plan III Yr	Eco-City Plan, Alleppy, Kerala 2031
	B.Plan II Yr	Smart Mobility Plan, Kakinada
	MURP III Sem	Pondicherry Regional Development Plan
	MEPM III Sem	Karaikal Regional Environmental Plan 2031
	B.Plan IV Yr	Regional Development Plan for Hubli Dharwad
B.Plan III Yr	Madambakkam Area Development Plan	

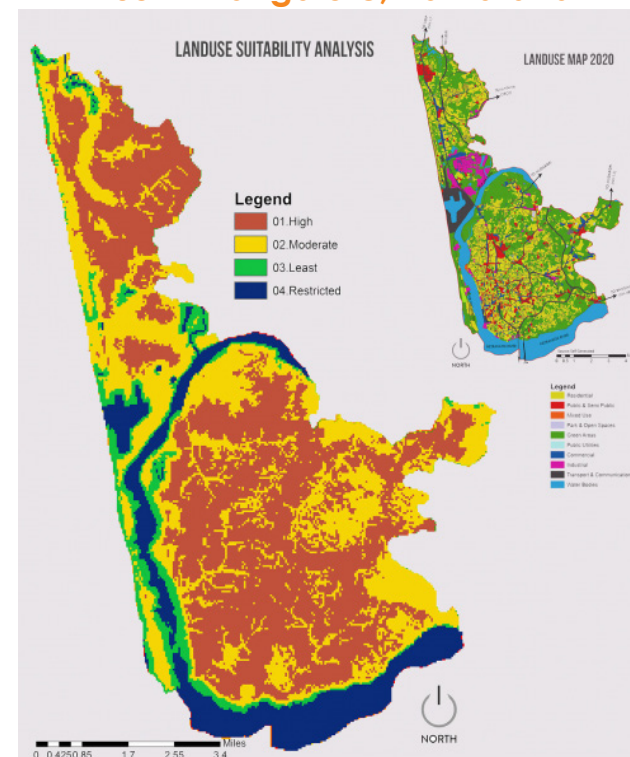
### Urban Development Plan 2040- Lavasa, Maharashtra



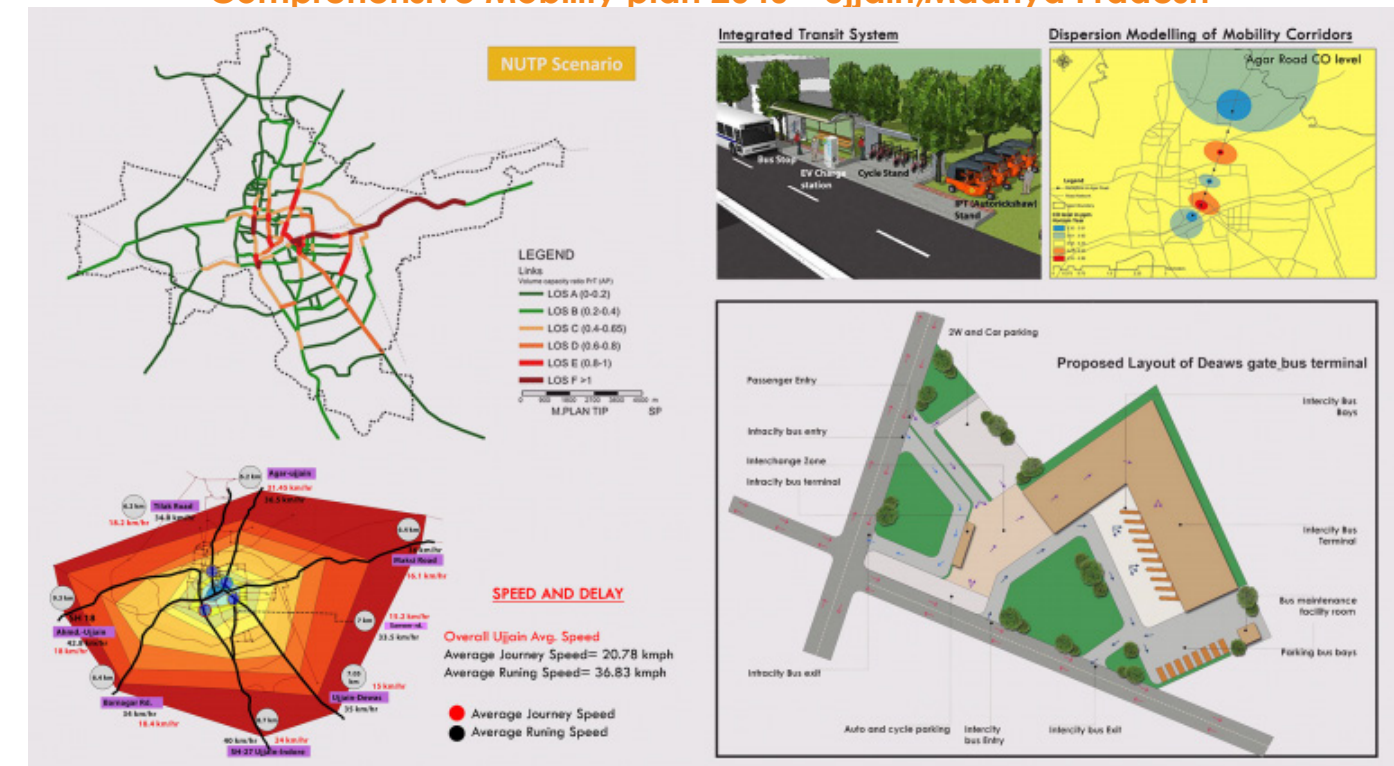
### Master Plan 2031- Madurai, Tamil Nadu



### Environmental Management Plan 2031- Mangalore, Karnataka



### Comprehensive Mobility plan 2040 - Ujjain, Madhya Pradesh





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# Thesis

Thesis semester as the final semester, gives an opportunity to students to put their learning of previous semesters together. In this process, each student is required to undertake a research project of their interest concerning subjects relevant to the field of planning. Through the thesis, students synthesize the knowledge and skills acquired during the learning of various theories and practices throughout the course and apply it for strategy formulation for a live planning challenge. Each student is allocated individual thesis supervisor(s) who guide him/her through the semester. The thesis is monitored continuously and periodically, through internal marked reviews, to check the consistency of work, the relevance of the analysis with respect to the project scope, and the progress towards logical proposals. The final output is firstly in the form of an extended abstract, which once approved is followed by the submission of a detailed report and drawing/visuals which is presented to an external jury panel consisting of experts from the relevant field.

## Special Lecture

SPAV constantly strives to bring experts in the profession to the campus to interact and share their experience and knowledge with the students. In this aspect, the Department of Planning has maintained an edge by having series of special lectures over the semesters with academicians of repute visiting and spending interactive time with students.

## Research projects

The Department of Planning undertakes academic, consultancy and advocacy projects and assignments from all over India. As part of every semester planning and design studio / lab, the Department aligns with various municipalities and/or regional development authorities across India and undertakes real-life projects that culminate in preparation of City or Zonal Development Plans, Mobility Plans, Environmental Management Plans, Regional Plans, etc., which is shared with the local administrations. The Department of Planning also undertakes institutional consultancy projects, leading to client specific planning projects and has over 6 projects completed/ongoing. The Department under SPAV also serves as advocacy and advisor to Government of Andhra Pradesh and Government of India for proposals, evaluation and monitoring of development projects.

# Library, Labs & Facilities

The Central SPAV Library has more than 1500 planning titles with digital access to international and national reputed planning journals. This is an integral part of the academic system of teaching and learning, where students have to refer books and articles for every lecture attended to help them understand the subjects. The library is also a knowledge repository of previous studio works and thesis done within the department, which students can freely access for reference. The Department is also equipped with an advanced GIS Lab and an Environmental Monitoring Lab, with state-of-the-art equipment. The labs are relevant to various theory subjects and studio projects at the bachelor's level. Hostel and mess facilities are available for all students of the department wherein the safety and the comfort of the students are ensured.

## LIBRARY



## ENVIRONMENTAL LAB



## GIS LAB





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## Professional Training & Internship

All planning students have to undergo professional training during the summer vacation as a partial fulfilment for the degree requirements. The training period ranges approximately 4 - 6 weeks. During the training period, students work with Government Departments, Private Consultancy Firms, NGOs and INGOs, research and development organisations, urban local bodies, etc. which are either specialised in planning or undertake planning projects. The training is coordinated by the Department and develops a strong link between the students and the profession before they pass out.



# Placement

Students of Planning of SPAV are well-placed across the nation in various capacities. A large number are working with the Government as planners, with a sizable number working as planning corporate consultants spread all over India.

A section of the Alumni is also working as independent planners and has turned into entrepreneurs with their own incorporated firms. Many of the SPAV planners have moved to foreign shores for higher education and are settled therein. SPAV has a placement coordination cell, which help the students connect with suitable job opportunities according to their interest areas. The job opportunities in the field of planning ranges from working in development agencies under government, private companies involved in planning and research organisation, policy making institutes, academic institutions, real estate sector, government schemes etc.

## Higher education



## Employed Organisation





# Student Activities

SPA Vijayawada believes in a paradigm of education that combines 'intrinsic' and 'instrumental' values of the discipline. The students are not merely imparted or prescribed what to learn, but are also encouraged to discover and innovate. In this process, there is a careful guidance on choosing the right and scientific paths to discover. The journey of attaining self-endowing knowledge and high-end skills is made fundamental to the process of learning than focusing only on the outcome. SPA Vijayawada has built instrumental environment of education standing on pillars of adequate infrastructure, tools of experimentation and presence of wisdom. Faculty, infrastructure, curriculum, extra-curriculum activities, industry interaction and research ecosystem are all focused towards this paradigm of self-enablement and self-discovery.



# Life @ SPAV

Clubs In SPAV, there are six cultural clubs and four other committees, which contribute immensely to the vibrant campus. Each committee and Club comprise of two faculty coordinators to look after all the issues regarding the events of that particular club. For each club, the student committee is guided by Secretary, Joint secretary, Coordinators, Co Coordinators and volunteers. All Committees are headed by the cultural coordinator. The club and committee are as follows: -



INYAAN 2020



**CLUB29-THE DANCE CLUB**

**AVANT GARDE-THE FASHION CLUB**

**RITMO-THE MUSIC CLUB**

**MONOLOGUE-THE DRAMATICS CLUB**

**TASVEER-THE PHOTOGRAPHY CLUB**

**GROUND ZERO-EVENT MANAGEMENT CLUB**

**EDITORIAL BOARD**



# Research and Consultancy

## Projects under progress

### Research Projects

- Building Resilient Urban Communities (BREUCom)
- Building Inclusive Urban Communities (Binucom)
- Unnat Bharat Abhiyan (UBA)
- Design and Innovative Centre



## Consultancy Projects

- "Gram Panchayat Spatial Development Plan for Paritala & Telaprolu Gram Panchayats, Krishna District. A.P", funded by Ministry of Panchayat Raj GOI
- "Planning and Architectural Design for Polavaram Multi-Purpose Irrigation Project" on Godavari River in West and East Godavari District, Government of A.P.
- Revision of Town and Country Planning Act for DTCP (AP)
- GIS based Masterplans for AMRUT towns Bhimavaram and Eluru for DTCP, Andhra Pradesh
- Grid of roads project sponsored by Chennai Metropolitan Development Authority (CMDA)
- Redelineation of erstwhile Vijayawada Guntur Tenali Managalgiri Urban Development Authority (VGTMUDA) planning jurisdiction limits.

## Joint Studio Programme on humanitarian Design

University of Melbourne and SPA. Vijayawada undertook a Joint Studio Programme on Humanitarian Design from 19 January - 04 February 2020 with second year students of University of Melbourne and second year B.Plan and B.Arch students of SPA Vijayawada. Dr. Adinarayanane R, Head (Dept of Planning) Coordinated the program.



Building Resilient Urban Communities partners of EU Erasmus + project BReUCom and first secretary of Embassy of India visit University of Twente.



## Activities & Achievements in AY 2019-20

Students have the opportunity to actively take part in administration through the Students' Council, which is an elected body. Students also present papers and participate in conferences and workshops across the nation with encouragement and support of the School. The School also arranges several technical events within the campus related to World Habitat Day, World Town Planning Day, World Water Day, World Environment Day, etc. where students participate in technical discussions and competitions.

A team of four students from the Department of Planning have been recognized as the top winner of Wipro Earthian 2019 Challenge University of Melbourne and SPA, Vijayawada undertook a Joint Studio Programme on Humanitarian Design from 19 January - 04 February 2020 with second year students of University of Melbourne and second year B.Plan. and B.Arch students of SPA Vijayawada. Dr. Adinarayanane R, Head (Dept of Planning) was the Joint Studio Programme Coordinator.



**The Tile Mural Activity**



**Annual Sports Meet-2020**

The students of planning participated in the Annual NOSPLAN Convention 2019 held at UPES Dehradun and secured the "Second Runners Up" amongst all the educational institutions in planning across the country.



**NOSPLAN -2019**

# GUEST LECTURES

## Guest Lecture by Prof. Dr. V. Devadas - 2019



The Department of Planning arranged a special lecture on “Application of System Dynamics in Urban Planning” on 24.01.2020 (Friday from 03:00 PM till 06:00 PM at Exhibition Hall-SPAV) by Prof. Dr. V. Devadas, Professor, Department of Architecture and Planning, IIT Roorkee organised by Dr. Adinarayanane R, and attended by certain batches of Dept of Planning.

## Guest Lecture by Prof. Dr. Eric Leclerc - 2019



The Department of Planning, SPA Vijayawada organized a half-day event on November 7th 2019 to celebrate the World Town Planning Day 2019, with the theme on 'Sustainable & Healthy Communities'. Prof. Dr. Eric Leclerc, visiting Professor (as a part of CIII cell) from University of Lille, France, was the guest speaker for the WTPD 2019.

A special lecture on “Smart City Planning Experiences from France”, by Prof. Dr. Eric Leclerc, from University of Lille, France, was arranged by Department of Planning at the G4 Lecture Hall, School of Planning and Architecture, Vijayawada on Saturday, October 30, 2019.

## Guest Lecture by Prof. Dr. Michael Tomlan - 2019



Department of Planning conducted a “Seminar on Preservation and Planning of Heritage Zones” on 13.01.2020 (Monday, from 10.15AM till 3.00PM organised by Dr. Ayon Tarafdar and Dr. Adinarayanane R. The seminar included special lectures and presentations by Prof. Dr. Michael Tomlan (Dept of City and Regional Planning, Cornell University, USA), Mr. Thomas Richmond

(Practising Planner, New York State Dept. of Conservation, USA), Ar. Kamalika Bose (Practising Conservationist, Mumbai), Ar. Swapna Kothari (Practising Conservationist, Vadodara), Dr. P. Pavan Kumar (Associate Prof., Dept of Architecture, Bangalore University) and few other speakers.



# International Conference- 2020



**INTERNATIONAL CONFERENCE ON  
RESILIENT AND LIVEABLE CITY PLANNING (RLCP 2020)**  
February 10-13, 2021, SPA VIJAYAWADA (Virtual Mode)



## ABOUT

The growing rate of urbanisation is characterized by the expanding urban fabric which is largely been shaped by its inherent densities and their global interactions, movements and needs. With rising densities are rising demand-supply issues. Large cities are probably the most complex mechanisms to manage. The task of researchers and professionals, aware of the complexity of the contemporary city, is to improve the capacity to manage human activities, pursuing welfare and prosperity in the urban environment and resilient and responsible city planning.



**DYNAMIC PLANNING  
DESIGN**  
↓  
**SOCIAL ECONOMIC  
SYSTEMS**  
↓  
**PLANNING**  
↓  
**URBAN RESILIENCE**  
↓  
**SUSTAINABLE  
DEVELOPMENT**

## OBJECTIVE

RLCP's objectives is to serve as a platform for sharing knowledge and new insights to the academicians all around the world in the field of urban planning and urban design. The conference offers an opportunity for engagement among international organizations, research institutions, representatives from the government & private sector. This conference opens the door to all the industry practitioners and academic researchers to share their viewpoints. In this awake the conference is calling for papers. All selected papers will be published in the conference proceedings.

### CALL FOR CONTRIBUTIONS

Prospective authors are kindly encouraged to contribute to and help shape the conference through submissions of their research abstracts and papers. Also, high quality research contributions describing original and unpublished results of conceptual, constructive, empirical, experimental or theoretical work in all area of Resilient and Liveable City Planning conference themes are cordially invited for RLCP 2020.

### GUIDELINES FOR AUTHORS

Please ensure your submission meets the conference guidelines for accepting scholarly papers. Downloadable versions of abstract template and full paper submission can be done using EasyChair conference platform for details visit: <http://rlcp2020.spav.ac.in/submission.html>

### CONFERENCE THEMES

- PLANNING STUDIES**
- CITY PLANNING AND DESIGN**
- SUSTAINABLE URBAN SYSTEMS**
- ECOLOGY & SOCIETY**
- LIVEABLE CITY**
- URBAN ENERGY & RESILIENCE**

### CONFERENCE PROCEEDINGS

All submitted conference papers will be blind peer reviewed by two competent reviewers. All the accepted conference papers of RLCP 2020 shall be published with ISBN conference proceedings.

### SPECIAL JOURNAL ISSUES

Screened high quality papers will be published in *Web of Science* (Emerging Sources Citation Index) and *SCOPUS indexed journal*, i) *International Journal of Housing Markets and Analysis* and ii) *Property Management*, by EMERALD Publishing Limited, as special journal issue after following due peer-review process as stipulated by the journal publisher.

### SPECIAL EDITION BOOK

Selected screened full papers shall be published in the form of a special edition book by Springer, Germany under ASTI series.

### CONFERENCE COMMITTEE - RLCP 2020

**Prof. Dr. MINAKSHI JAIN** Patron and Chairperson  
Director, SPAV

**Ar. BRINDA SOMAYA** Chief Patron  
Chairperson, BOG SPAV

**Dr. ADINARAYANANE R**  
Convenor RLCP2020

Dean, Planning & Development, and Head, Dept. of Planning

**Dr. AYON KUMAR TARAFDAR**  
Secretary Technical Committee  
Associate Professor

**Dr. ABDUL RAZAK MOHAMED**  
Secretary Organizing Committee  
Professor

**Dr. AMITAVA SARKAR**  
Secretary Finance  
Registrar i/c and Associate Professor

## Conference Dates 10-13 February, 2021

The RLCP 2020 conference shall now be conducted through the virtual mode.

### REGISTRATION

All the interested participants are requested to register online for participating in our conference by visiting our website:

<http://rlcp2020.spav.ac.in/>

### CONTACT

CONVENOR - RLCP2020

Email:

[rlcp2020.dpspav@gmail.com](mailto:rlcp2020.dpspav@gmail.com)

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### VENUE

## School of Planning and Architecture Vijayawada

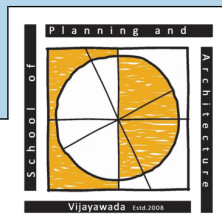
Survey No.4/4, ITI Rd, Vijayawada, Andhra Pradesh 520008, India



# The Happening Campus Life of SPAV!

Life and engagement at the campus makes the student a responsible individual towards its environment! With the perfect location of the campus at the heart of the city, the campus boasts of proximity to major residential areas, shopping malls and supermarkets as well as close proximity to premium hospital and hospitality services within a range of 1 km itself. The student's health is enriched by the exquisite flora and fauna now thriving within the campus added by the development of sports activities which the students enjoy! The students also participate in myriad extracurricular activities, celebration of fests and festivals and thus enhancing a cosmopolitan culture befitting and cherishing the national institute that receives a throng of students every year from across the country. The institute has created special committees, constituting faculty members and staff, like AntiRagging Committee, Anti-Sexual Harrasment Committee etc. to ensure an inclusive and safe teaching- learning-work environment for all, whom the students may reach out to for help.





# ACADEMIC PROSPECTUS

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**CONTACT**  
[www.spav.ac.in](http://www.spav.ac.in)

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