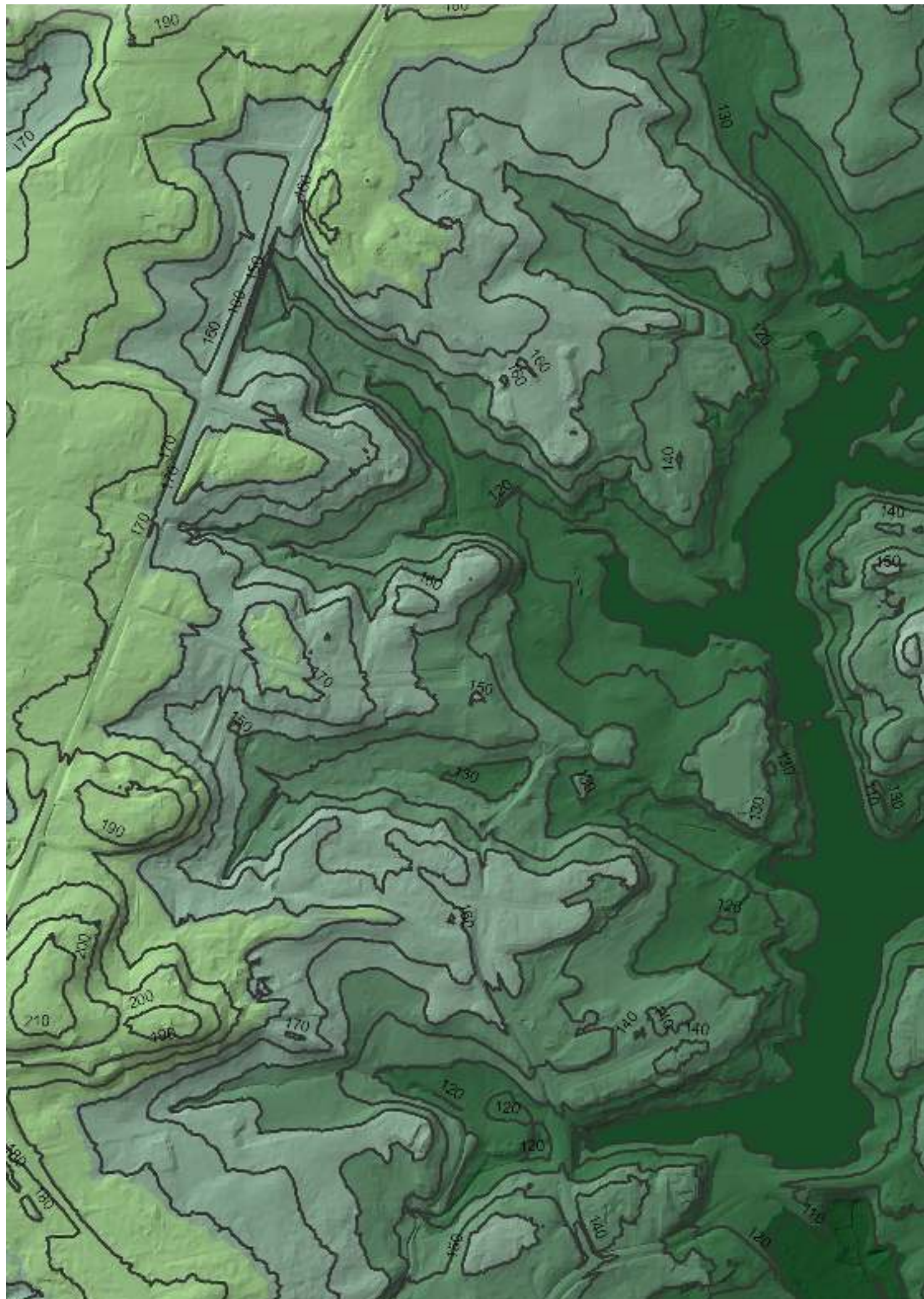


ACADEMIC MANUAL 2017

Department of Planning
(Bachelors, Masters
and Doctoral Programmes)



योजना तथा वास्तुकला विद्यालय, विजयवाड़ा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, MHRD, Govt. of INDIA.



Rendered Contour Map for Physiographic Analysis (Image Credits: <http://people.cas.sc.edu/ajames/201/grfx/Sierra.ShadedSm.jpg>)



CONTENTS

SPAV - An Introduction

Department of Planning

The Faculty

Academic Programmes

Bachelor of Planning

Master of Environmental Planning and Management

Master of Urban and Regional Planning

Doctoral Programme in Planning

Admissions

Pedagogy & Outreach

Research Activities

Students Corner

Annexures

I - Exam Rules

II – Syllabus of B.Planning

III – Syllabus of MEPM

IV – Syllabus of MURP

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 Human Resource Development (MHRD), Government of India, as an autonomous institution. SPAV is a premier Centrally Funded Technical Institution (CFTI) directly under the MHRD, 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 HRD, Govt. of India).

Although in its nascent stage, with experienced faculty and guest lectures by eminent visiting faculty and industry experts from all over the country, the quality of education imparted and its focus on research puts SPAV in the league of leading institutes in the country. 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, two in Planning and one 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.



School of Planning and Architecture, Vijayawada (Architect's Impression)

Department of Planning

WHAT IS PLANNING?

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)

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)**

Doctoral Programme

PhD- Doctoral Programme in Planning

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 mastersdegree programme of Masters in Planning with specialisations in 'Environmental Planning and Management' and 'Urban and Regional Planning' in 2013 and 2014 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.

The Faculty

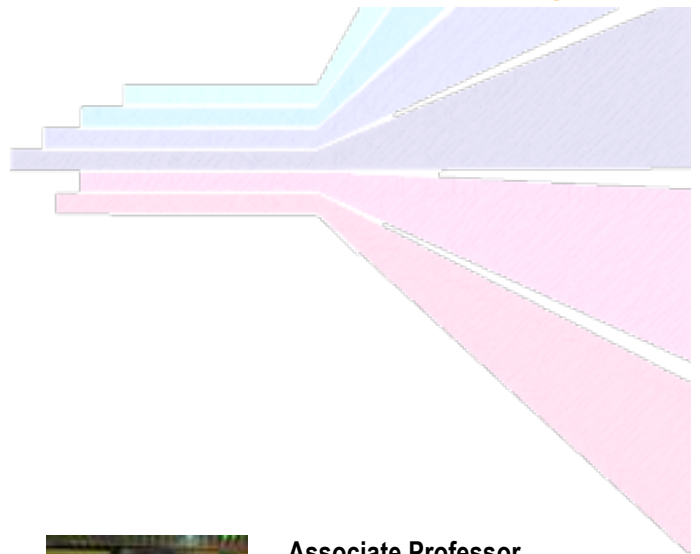


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Dean, Faculty Welfare**

Dr. Abdul Razak Mohamed

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Note: The Department of Planning runs periodical recruitment drives for new Faculty members on regular, adjunct and ad-hoc basis.



Group discussion with thesis students.



Planned low-density development in urban fringe (Image Credits: Marian Zubak, 2006)



BACHELOR OF PLANNING

Introduction

Bachelor of Planning, abbreviated as B.Plan, is a four year full time Bachelors degree programme in Planning offered by Department of Planning, SPAV, which teaches students about the fundamentals 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.

Course Structure – Bachelor of Planning, SPAV

First Semester

Sl. No.	Code	Subject Title	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	BPLN102	Computer Applications in Planning	50	0	50	100	0	3	3	3
2	BPLN103	Introduction to Urban and Regional Planning	50	50	0	100	3	0	3	3
3	BPLN104	Evolution of Human Settlements	50	50	0	100	3	0	3	3
4	BPLN105	Quantitative Methods for Planning	50	50	0	100	3	0	3	3
5	BPLN106	Surveying and Photogrammetry	50	50	0	100	3	0	3	3
6	BPLN101	Graphics Studio	250	0	250	500	0	15	15	15
	TOTAL		500	200	300	1000	12	18	30	30

Second Semester

Sl. No.	Code	Subject Title	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	BPLN202	Introduction to Geoinformatics	50	0	50	100	0	3	3	3
2	BPLN203	Population and Settlement Geography	50	50	0	100	3	0	3	3
3	BPLN204	Planning Project Estimation	50	50	0	100	3	0	3	3
4	BPLN205	Elements of Economics for Planning	50	50	0	100	3	0	3	3
5	BPLN206	Elements of Sociology for Planning	50	50	0	100	3	0	3	3
6	BPLN201	Planning and Mapping Studio	250	0	250	500	0	15	15	15
	TOTAL		500	200	300	1000	12	18	30	30

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

Third Semester

Sl. No.	Code	Subject Title	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	BPLN302	Planning Techniques	50	50	0	100	3	0	3	3
2	BPLN303	Planning Theory	50	50	0	100	3	0	3	3
3	BPLN304	Planning for Physical Infrastructure	50	50	0	100	3	0	3	3
4	BPLN305	Traffic and Transportation Planning	50	50	0	100	3	0	3	3
5	BPLN306	Socio-economic Structure and Spatial Planning	50	50	0	100	3	0	3	3
6	BPLN301	Built Environment and Site Planning Studio	250	0	250	500	0	15	15	15
	TOTAL		500	250	250	1000	15	15	30	30

Fourth Semester

Sl. No.	Code	Subject Title	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	BPLN402	Advanced Geoinformatics	50	0	50	100	0	3	3	3
2	BPLN403	Contemporary Planning Theory	50	50	0	100	3	0	3	3
3	BPLN404	Civic and Social Infrastructure Planning	50	50	0	100	3	0	3	3
4	BPLN405	Urban Renewal and Re-development	50	50	0	100	3	0	3	3
5	BPLN406	Housing and Real Estate Development	50	50	0	100	3	0	3	3
6	BPLN401	Transportation Planning Studio	250	0	250	500	0	15	15	15
	TOTAL		500	200	300	1000	12	18	30	30

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

Sl. No.	Code	Subject Title	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	BPLN502	Planning and Management of Green and Open Spaces	50	50	0	100	3	0	3	3
2	BPLN503	Integrated Planning for Informal Sector	50	50	0	100	3	0	3	3
3	BPLN504	Development Planning and Management	50	50	0	100	3	0	3	3
4	BPLN505	Environmental Planning and Management	50	50	0	100	3	0	3	3
5	BPLN506	Planning Legislation	50	50	0	100	3	0	3	3
6	BPLN501	Area Development Planning Studio	250	0	250	500	0	15	15	15
TOTAL			500	250	250	1000	15	15	30	30

Sixth Semester

Sl. No.	Code	Subject Title	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	BPLN602	Regional Planning	50	50	-	100	3	0	3	3
2	BPLN603	Planning Practice	50	50	-	100	3	0	3	3
3	BPLN604	Project Formulation and Appraisal	50	50	-	100	3	0	3	3
4	BPLN601	Master Plan Studio	250	0	250	500	0	15	15	15
ANY TWO										
5	BPLN611	Freight Transport and Logistics Management *	50	50	-	100	3	0	3	3
6	BPLN612	Elective from other Dept. **	50	50	-	100	3	0	3	3
TOTAL			500	250	250	1000	15	15	30	30

*Elective – I offered from the Department of Planning

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

Note: Compulsory Practical training during summer vacation.

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 TM = Total Marks L = Lecture Periods
 P = Practicals/ Lab/Workshop Periods TP = Total Periods

Seventh Semester

Sl. No.	Code	Subject Title	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	BPLN702	Dissertation – Formulation of Research Proposal	50	0	50	100	0	3	3	3
2	BPLN703	Urban Finance	50	50	-	100	3	0	3	3
3	BPLN704	Metropolitan Planning	50	50	-	100	3	0	3	3
4	BPLN705	Governance and Management	50	50	-	100	3	0	3	3
5	BPLN701	Regional Planning & Development Studio	250	0	250	500	0	15	15	15
ANY ONE										
6	BPLN711	Environmental Impact Assessment *	50	50	-	100	3	0	3	3
7	BPLN712	Planning for Disaster Management *	50	50	-	100	3	0	3	3
8	BPLN713	Elective from other Dept.**	50	50	-	100	3	0	3	3
	TOTAL		500	250	250	1000	12	18	30	30

* Elective – I offered from the Department of Planning

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

Eighth Semester

Sl. No.	Code	Subject Title	Distribution of Marks				Distribution of Periods per week			Credits
			IA	EE	EJ	TM	L	P	TP	
1	BPLN802	Rural Planning and Development	50	50	0	100	3	0	3	3
2	BPLN803	Water sensitive Urban Development	50	50	0	100	3	0	3	3
3	BPLN804	Climate Change and Cities	50	50	0	100	3	0	3	3
4	BPLN801	Dissertation	350	0	350	700	0	21	21	21
	TOTAL		500	150	350	1000	9	21	30	30

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



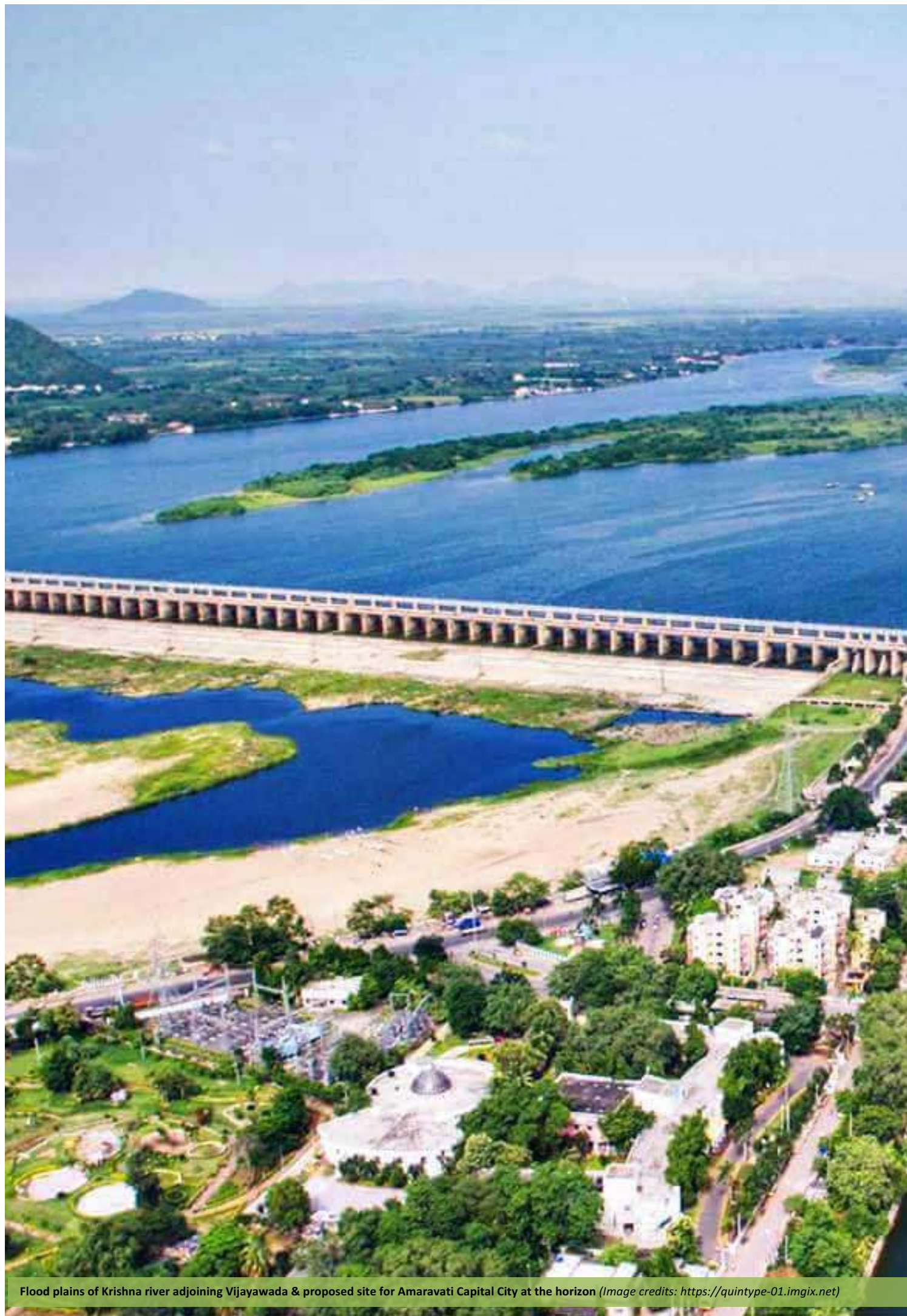
Students analysing urban morphology with 3-D model (Left)
Experiments in Photogrammetry (Right)



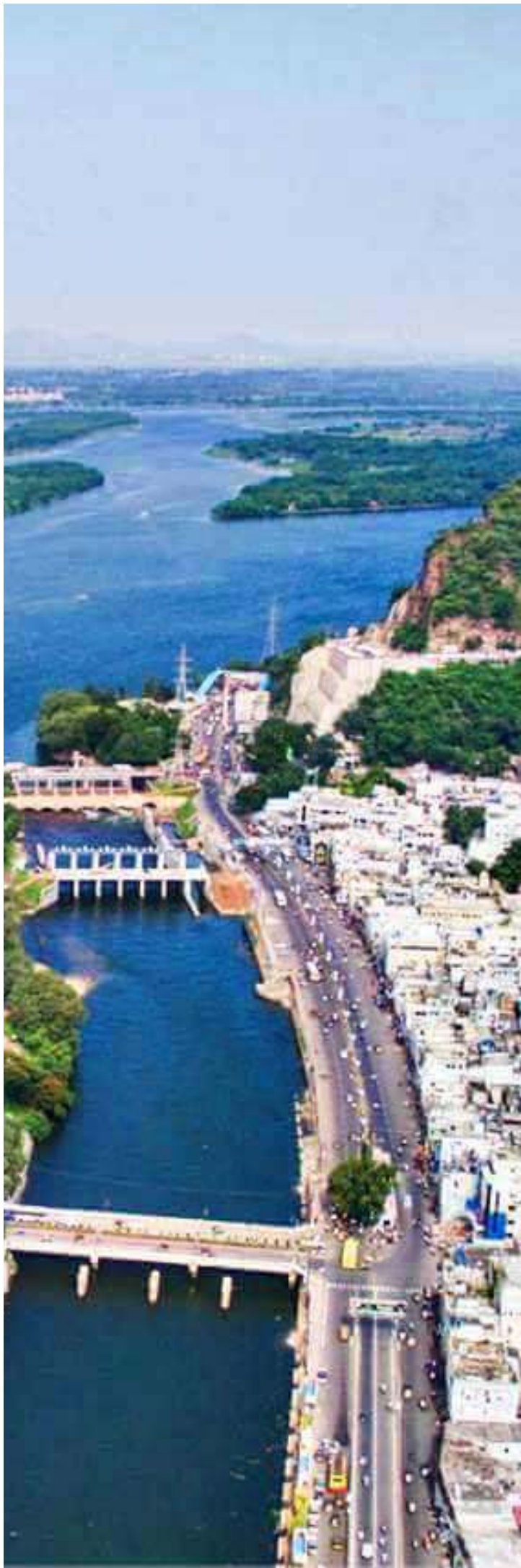
Thesis review in progress (Left)
Students presenting Area Development Plan of Ahmedabad to external jury (Right)



4th-semester interactive session in Planning and Design Studio (Left)
Batch B.Planning students in Convocation of 2015 (Right)

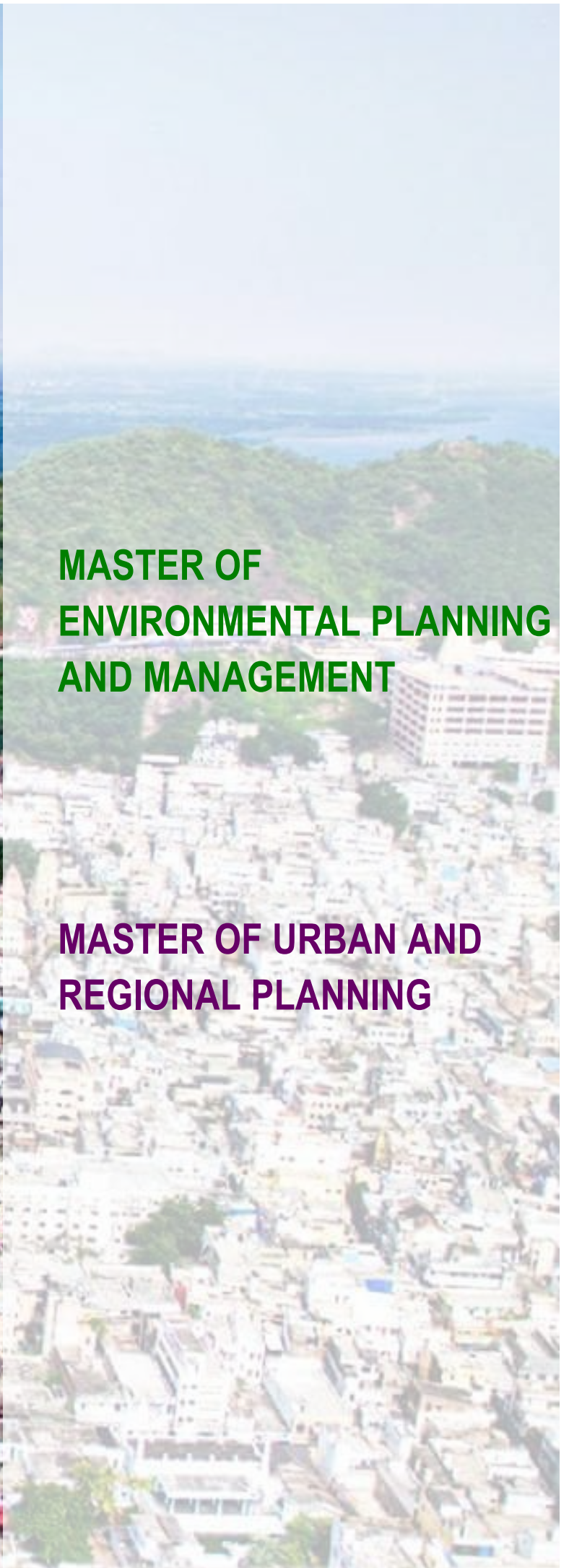


Flood plains of Krishna river adjoining Vijayawada & proposed site for Amaravati Capital City at the horizon (Image credits: <https://quintype-01.imgix.net>)



**MASTER OF
ENVIRONMENTAL PLANNING
AND MANAGEMENT**

**MASTER OF URBAN AND
REGIONAL PLANNING**



Master of Environmental Planning & 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.

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, SPAV

First Semester (Integrated)

Code	Course Titles	Distribution of Marks				Distribution of Periods per week			Credits
		IA	EE	EJ	TM	L	P	TP	
MPIS102	Introduction to Information Systems	50	-	50	100	0	3	3	3
MPIS103	Evolution of Human Settlements and Planning	50	50	-	100	3	0	3	3
MPIS104	Planning Techniques and Quantitative Methods	50	50	-	100	3	0	3	3
MPIS105	Habitat and Environmental Planning	50	50	-	100	3	0	3	3
MPIS106	Infrastructure Planning	50	50	-	100	3	0	3	3
MPIS107	Socio-Economic Dimensions in Planning	50	50	-	100	3	0	3	3
MPIS101	Area Planning Studio	200	-	200	400	0	12	12	12
	TOTAL	500	250	250	1000	15	15	30	30

Second Semester

Code	Course Title	Distribution of Marks				Distribution of Periods per week			Credits
		IA	EE	EJ	TM	L	P	TP	
MPEP202	Applications of Geoinformatics	50	-	50	100	0	3	3	3
MPEP203	Environmental Monitoring & Assessment Tools	50	-	50	100	0	3	3	3
MPEP204	Theory of Environmental Planning & Design	50	50	-	100	3	0	3	3
MPEP205	Environmental Economics	50	50	-	100	3	0	3	3
MPEP206	Infrastructure for Environmental Planning & Management	50	50	-	100	3	0	3	3
MPEP201	Urban Environmental Planning Studio	200	-	200	400	0	12	12	12
	ANY ONE								
MPEP211	Elective 1: Ecological Footprints Analysis	50	50	-	100	3	0	3	3
MPEP212	Elective 2: Advanced Water and Wastewater Treatment	50	50	-	100	3	0	3	3
MPEP213	Elective 3: Planning for Healthy Cities	50	50	-	100	3	0	3	3
MPEP214	Elective 4: From other Master programmes (same semester)	50	50	-	100	3	0	3	3
	TOTAL	500	200	300	1000	12	18	30	30

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

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

Third Semester

Code	Subject Title	Distribution of Marks				Distribution of Periods per week			Credits
		IA	EE	EJ	TM	L	P	TP	
MPEP302	Advanced Research Methods	50	-	50	100	0	3	3	3
MPEP303	Environmental Law & Professional Practice	50	50	-	100	3	0	3	3
MPEP304	Environmental Impact Assessment Techniques	50	50	-	100	3	0	3	3
MPEP305	Project Planning & Management	50	50	-	100	3	0	3	3
MPEP306	Energy Studies	50	50	-	100	3	0	3	3
MPEP301	Regional Environmental Planning Studio	200	-	200	400	0	12	12	12
	ANY ONE								
MPEP311	Elective 1: Human Settlements and Climate Change	50	50	-	100	3	0	3	3
MPEP312	Elective 2: Waste Management	50	50	-	100	3	0	3	3
MPEP313	Elective 3: From other Master programmes (same semester)	50	50	-	100	3	0	3	3
	TOTAL	500	250	250	1000	15	15	30	30

Fourth Semester

Code	Subject Title	Distribution of Marks				Distribution of Periods per week			Credits
		IA	EE	EJ	TM	L	P	TP	
MPEP402	Environmental Justice	50	50	-	100	3	0	3	3
MPEP403	Environmental Policy and Governance	50	50	-	100	3	0	3	3
MPEP401	Environmental Planning Thesis	400	-	400	800	0	24	24	24
	TOTAL	500	100	400	1000	6	24	30	30

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

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 with a total of 120 credits i.e. 30 credits per semester.

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.

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, SPAV

First Semester (Integrated)

Code	Course Titles	Distribution of Marks				Distribution of Periods per week			Credits
		IA	EE	EJ	TM	L	P	TP	
MPIS102	Introduction to Information Systems	50	-	50	100	0	3	3	3
MPIS103	Evolution of Human Settlements and Planning	50	50	-	100	3	0	3	3
MPIS104	Planning Techniques and Quantitative Methods	50	50	-	100	3	0	3	3
MPIS105	Habitat and Environment Planning	50	50	-	100	3	0	3	3
MPIS106	Infrastructure Planning	50	50	-	100	3	0	3	3
MPIS107	Socio-Economic Dimensions in Planning	50	50	-	100	3	0	3	3
MPIS101	Area Planning Studio	200	-	200	400	0	12	12	12
	TOTAL:	500	250	250	1000	15	15	30	30

Second Semester

Code	Course Title	Distribution of Marks				Distribution of Periods per week			Credits
		IA	EE	EJ	TM	L	P	TP	
MPUR202	Applications of Geo-informatics	50	-	50	100	0	3	3	3
MPUR203	City and Metropolitan Planning	50	50	-	100	3	0	3	3
MPUR204	Land Economics and Management	50	50	-	100	3	0	3	3
MPUR205	Advanced Infrastructure Planning	50	50	-	100	3	0	3	3
MPUR206	Urban and Regional Governance	50	50	-	100	3	0	3	3
MPUR201	Urban Planning Studio	200	-	200	400	0	12	12	12
	ANY ONE								
MPUR211	Elective 1: Inclusive Planning	50	50	-	100	3	0	3	3
MPUR212	Elective 2: Demography and Planning	50	50	-	100	3	0	3	3
MPUR213	Elective 3: Smart Cities	50	50	-	100	3	0	3	3
MPUR214	Elective 4: Urban Renewal	50	50	-	100	3	0	3	3
MPUR215	Elective 5: From other Masters programme (same semester)	50	50	-	100	3	0	3	3
	TOTAL:	500	250	250	1000	15	15	30	30

IA = Internal Assessment

EE = End Evaluation

EJ = External Jury

TM = Total Marks

L = Lecture Periods

P = Practicals/ Lab/Workshop Periods

TP = Total Periods

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

Third Semester

Code	Course Title	Distribution of Marks				Distribution of Periods per week			Credits
		IA	EE	EJ	TM	L	P	TP	
MPUR302	Advanced Research Methods	50	-	50	100	0	3	3	3
MPUR303	Planning Legislation and Professional Practice	50	50	-	100	3	0	3	3
MPUR304	Rural Planning and Development	50	50	-	100	3	0	3	3
MPUR305	Project Planning and Management	50	50	-	100	3	0	3	3
MPUR306	Disaster Preparedness and Management	50	50	-	100	3	0	3	3
MPUR301	Regional Planning Studio	200	-	200	400	0	12	12	12
	ANY ONE								
MPUR311	Elective 1: Future Settlements	50	50	-	100	3	0	3	3
MPUR312	Elective 2: Special Area Planning	50	50	-	100	3	0	3	3
MPUR313	Elective 3: Human Settlements and Climate Change	50	50	-	100	3	0	3	3
MPUR314	Elective 4: Tourism Planning and Development	50	50	-	100	3	0	3	3
MPUR315	Elective 5: From other Masters programme (same semester)	50	50	-	100	3	0	3	3
	TOTAL:	500	250	250	1000	15	15	30	30

Fourth Semester

Code	Course Title	Distribution of Marks				Distribution of Periods per week			Credits
		IA	EE	EJ	TM	L	P	TP	
MPUR402	Development Finance	50	50	-	100	3	0	3	3
MPUR403	Planning and Politics	50	50	-	100	3	0	3	3
MPUR401	Planning Thesis	400	-	400	800	0	24	24	24
	TOTAL:	500	100	400	1000	6	24	30	30

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



DOCTORAL PROGRAMME

About Doctoral Programme

School of Planning and Architecture, Vijayawada is gradually emerging as a prominent and known platform for academic and applied research in the field of Planning. At present there are many students from all over India who are registered with the Department of Planning as PhD scholars and are pursuing their Doctoral programmes. With our own faculty members having doctorate degrees as well as with the scholars from across India who act as PhD guide panels, the School offers a multidisciplinary view for the doctoral programme cutting across departments and disciplines.

SPA, Vijayawada offers two kinds of doctoral programmes: Full-Time and Part-Time. In the Full-Time programme, a candidate is expected to finish the programme within a period of five years, while in the case of Part-Time the maximum period is seven years from the date of registration. Full-Time students are required

to meet the residency requirements, apart from teaching the postgraduate students for 8-10 hours per week. However, both full-time and part time students are required to go through obligatory course work. Doctoral studies are monitored periodically by Doctoral Research Committees in each Departments and a Joint Doctoral Research Committee at the Institute level,

The well-equipped library and GIS lab supports the research scholars to access latest information, research material and avail latest software for their research work. Regular lectures are offered to doctoral programme candidates including lectures by international scholars.

Admission to Doctoral Programmes happen twice a year, based on Notification and involves interviews and discussions on Proposed Research with the Doctoral Research Committee.



Dhyana Buddha statue, Amaravathi village (Image credits : www.alchetron.com)



ADMISSIONS

PEDAGOGY & OUTREACH

RESEARCH PROJECTS

STUDENTS CORNER

Admissions

Bachelor of Planning

Bachelors of Planning programme have a total of 30 seats open to Indian students from any State. The admission to the Bachelor of Planning courses is made on the basis of All India Rank obtained in JEE Mains Exam conducted every year by the CBSE, Govt of India. The admission rules and procedure is set and conducted by Joint Seat Allocation Authority (JOSAA), Ministry of Human Resource Development, Govt. of India. Prospective students are advised to visit the website – josaa.nic.in

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 MHRD, Govt of India. Please refer – dasanit.org

Masters of Planning

Eligibility

Masters in Environment Planning and Management and Masters in Urban and Regional Planning have 20 seats each, out of which 10 seats are reserved for CCMT (an admission platform by MHRD, Govt of India) counselling and 10 seats in each course are reserved for direct admissions by SPAV every year during the months of May-June. For CCMT, please visit – ccmt.nic.in

For the ten seats of the above two M.Planning programmes offered through centralised counselling (CCMT), only GATE qualified candidates from B.Arch, B.Planning, and B.E./B.Tech (Civil Engineering) are eligible and have to apply through CCMT.

For the remaining ten seats of the above two courses offered through Direct Admissions, candidates from M.A. Geography, M.A. Economics, M.A. Sociology and also B.Arch, B.Planning, B.E./B.Tech (Civil Engineering) without GATE qualification are eligible and can apply directly to SPAV, as per annual advertised notice.

Marks/ Grades Eligibility:

Aggregate 60% marks or 6.5 CGPA out of 10 scale for unreserved / OBC candidates and 55% marks or 6 CGPA out of 10 scale for SC/ST/PH candidates in qualifying eligible degree.

Reservation of Seats:

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

Fee Structure

Please check our website, www.spav.ac.in/feesstructure.html, for details regarding the fees for the programmes offered.

COURSE	Total	OC	SC	ST	OBC	PwD
B.Planning	30	14	5	2	8	1 (OC)
Through Direct Interviews						
Masters in Environment Planning and Management	10	5	1	1	3	0
Masters in Urban and Regional Planning	10	5	1	1	3	0
Through CCMT						
Masters in Environment Planning and Management	10	5	1	1	3	0
Masters in Urban and Regional Planning	10	5	1	1	3	0

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. SPAV adheres to a Cumulative Grade Point Average (CGPA) system of credit based evaluation

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 basemap 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 in near past is presented as below:

2016-2017

Batch	Studio Project
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

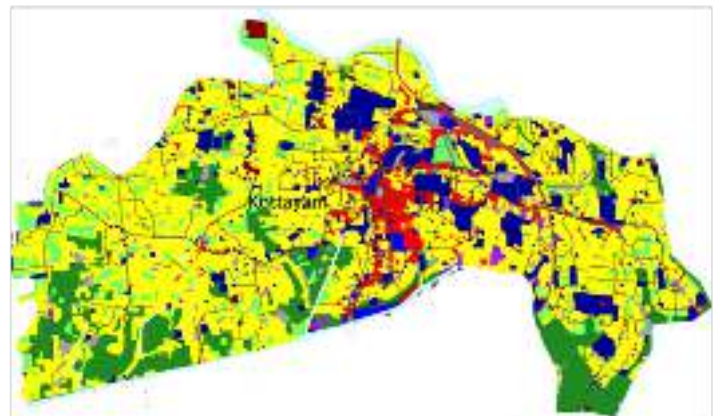
Batch	Studio Project
MURP III	Development Plan for Chittoor District 2031
Sem	
MEPM III	Regional Environmental Plan
Sem	Kasaragod, Kerala
B.Plan IV	Regional Plan for Araku Valley
Yr	2026

2015-16

Batch	Studio Project
B.Plan III	Ahmedabad Area Development Plan
Yr	Plan
MURP II	Gandhi Nagar Master Plan 2021
Sem	
MEPM II	Nellore Environmental Management Plan 2031
Sem	
B.Plan III	Eco-City Plan, Alleppy, Kerala
Yr	2031
B.Plan II	Smart Mobility Plan, Kakinada
Yr	
MURP III	Pondicherry Regional Development Plan
Sem	
MEPM III	Karaikal Regional Environmental Plan 2031
Sem	
B.Plan IV	Regional Development Plan for Hubli Dharwad
Yr	
B.Plan III	Madambakkam Area Development Plan
Yr	

Professional Training

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.



Outputs of planning studio projects at SPAV

Other Lab Subjects

The planning programmes also have laboratory based subjects that cover Geoinformatics, Environmental Monitoring, Surveying and Photogrammetry, Research Methods, Impact Assessments, etc. where the students work on computing platforms and specific equipment to record, retrieve and analyse data from different parts of the city or a district. Such subjects bring an edge to the theoretical background and industrial relevance.

Special Lectures

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. Some of the Guests who visited us in near past is presented as below:

Institute	Expert Name	Topic
IIPA, Delhi	Prof. Dr. K S R N Sarma	Environmental Economics
IIT Roorkee	Dr Rama Sateesh	Built Environment & Site Planning
NIUM, Hyderabad	Mr. K Sudhakar	Urban Financing Tools
TCPO, MoUD, Delhi	Mr. R. Srinivas	Cluster Development in Regions
IIT Kharagpur	Dr. S. Basu	Settlement Systems
JNTU / JNAFAU, Hyderabad	Prof. Ravi Anand	Planning Theory
CSD, Bangalore	Dr. S Ravindra	Environmental Legislation
AP SDMA	Mr. Kisan Sunku	Disaster Preparedness
BHU, Varanasi	Prof. R. R. Jha	Rural Development
SPA Bhopal	Prof. B. Chowdhury	Planning Thesis Formulation
NIT Warangal	Prof. C S K Prasad	Transportation Planning Techniques

Institute	Expert Name	Topic
CEPT, Ahmedabad	Prof. S. Bandhopadhyaya	Environmental Management
SPA Delhi	Prof. Dr. Sanjay Gupta	Transportation Modelling
Univ of Mumbai	Prof. Dr. P. S. Vivek	Socio-economic Dimensions of Planning
IIST, Shibpur, WB	Prof. Dr. S. Roy	Advanced Research Methods for PhD
VNIT Nagpur	Prof. Dr. V. Adane	Zoning Regulations & Planning Principles
MANIT, Bhopal	Prof. Dr. M. Kapshe	Research Methods
NIUA, Delhi	Prof. V. K. Dhar	Master Planning Tools & Techniques
WASSAN, Hyderabad	Mr. Ram Chandrudu V.	Energy Studies in Development Planning
Forest Stewardship Council, Delhi	Dr Manoharan	Ecological Footprints
ADB, Delhi	Mr. Sujit Mridha	Mapping Techniques and Area Appreciation
Adapt Tech, Hyderabad	Mr. M. Thapar	Logical Framework Analysis for Neighborhood Planning
DTCP, Govt of Kerala	Mr. Jacob E.	Participatory District Development
DTCP, Govt of Goa	Mr. M. Ahmed	Regional Environmental Planning

Note: The above list is an excerpt. For details, kindly refer Dept, website.

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.

Placements

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.

Library, Labs and 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.

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.

Students Corner

Other than academics, the students can actively involve themselves in co-curricular activities by associating themselves with the various clubs in the institute namely Ritmo- The Music Club, Club29- The Dance Club, Avant Garde- The Fashion Club, Monolouge- The Dramatics Club, Tasveer- The Photography Club, Ground Zero- Event Management Club. Students have the opportunity to actively take part in administration through the Students' Council, which is an elected body.

The students actively take part in NOSPLAN Annual Meet. The National Organization of Students of Planning (NOSPLAN), connects students of over 15 Institutions across India, offering planning as a programme. SPAV planning students actively take part and have brought accolades in these annual meets at the National level. It is a platform for planning students to share their thoughts and ideas about the planning profession and its practices among themselves, related bodies and planning professionals.

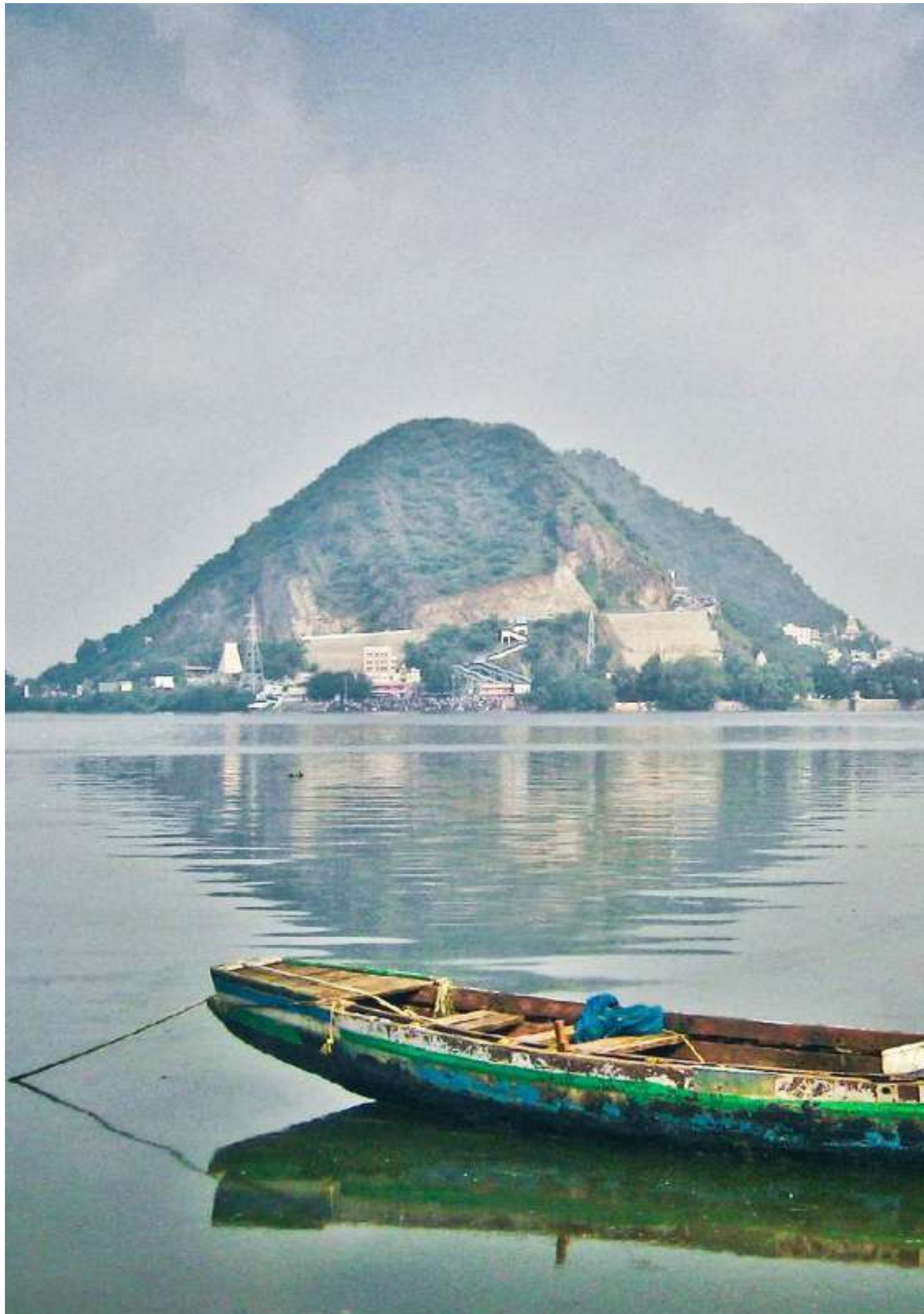
Students also present papers and participate in conferences and workshops across the nation with encouragement and support of the School.

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.

The institute has created special committees, constituting faculty members and staff, like Anti-Ragging 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.



Student Activities at SPA Vijayawada



View of Prakasam Barrage across River Krishna (Image credits: Shyam Prasad, citysnap.co.in)



ANNEXURES

- I. Examination Rules**
- II. Syllabus of B.Planning**
- III. Syllabus of MEPM**
- IV. Syllabus of MURP**



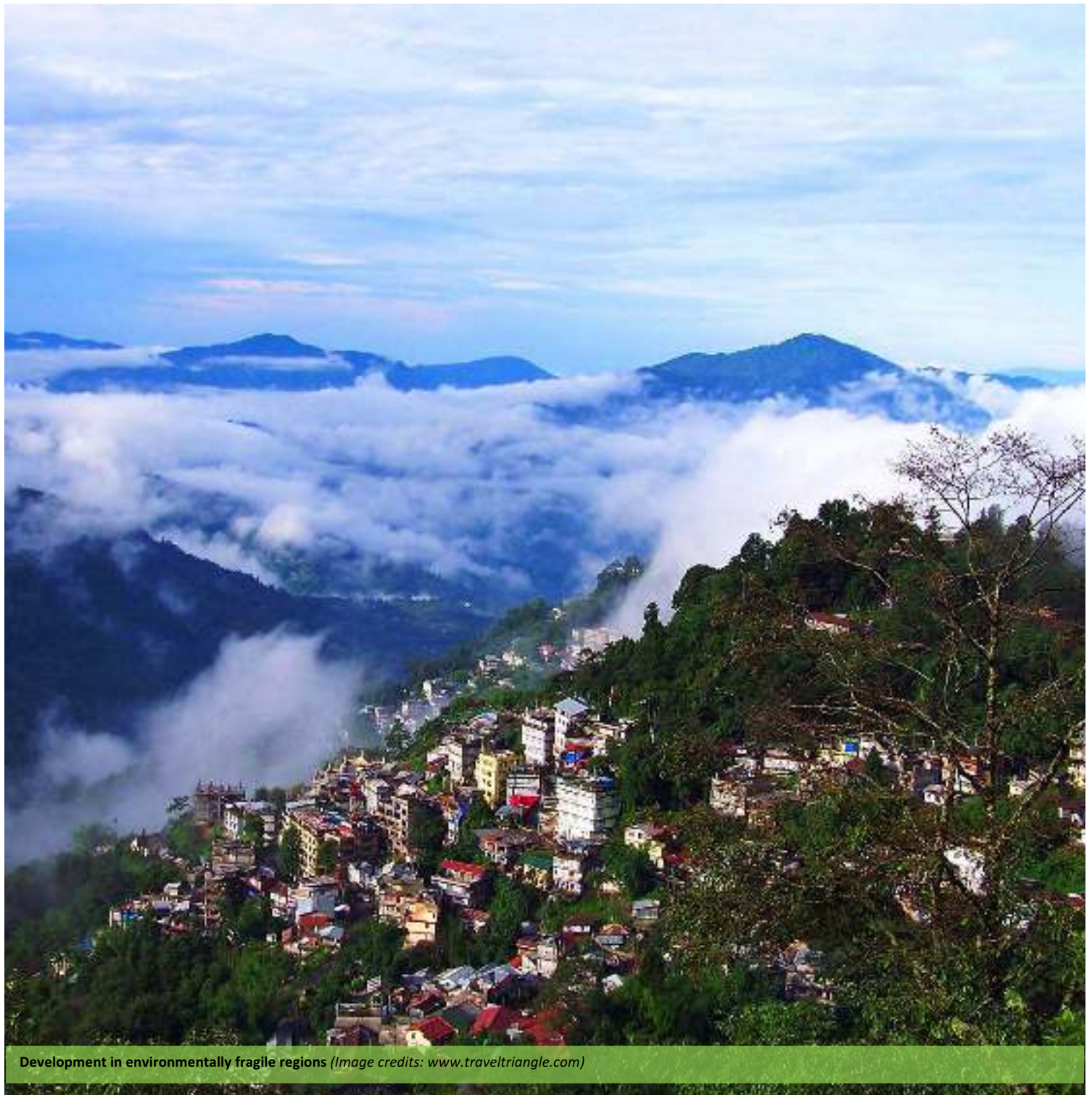
ANNEXURE-I

Examination Rules



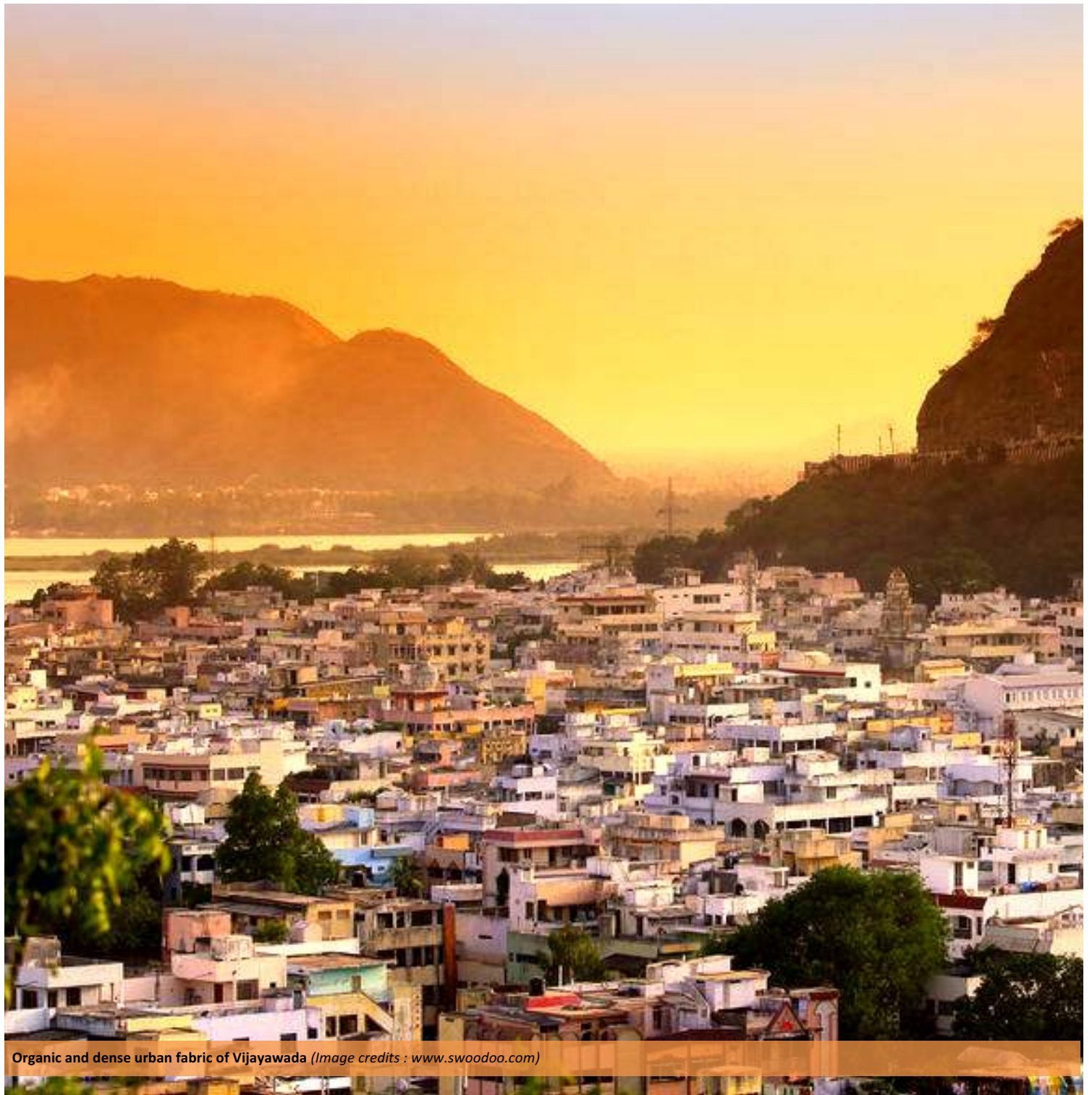
ANNEXURE-II

Syllabus of Bachelor of Planning



ANNEXURE-III

Syllabus of Master of Environmental Planning & Management



Organic and dense urban fabric of Vijayawada (Image credits : www.swoodoo.com)

ANNEXURE-IV

Syllabus of Master of Urban & Regional Planning