

ACADEMIC PROSPECTUS

MASTERS OF TRANSPORT PLANNING



School of Planning and Architecture, Vijayawada



About SPAV

School of Planning and Architecture, Vijayawada, (SPAV), was established on July 7, 2008 by the Ministry of Education (erstwhile known as Ministry of Human Resource Development), Government of India, as an autonomous institution. SPAV is one of the three institutes of national importance and is a premier Centrally Funded Technical Institution (CFTI) directly under the Ministry of Education, for excellence in the fields of Planning and Architecture. 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. Presently the School has two departments - Planning and Architecture. The campus is green rated and is equipped with state-of-the-art infrastructure such as hostels, central library, ICT enabled teaching atmosphere, high end digital surveillance systems, modern laboratories, spacious studios, classrooms, open air theatres, auditorium, cafeteria, outdoor sports facilities, etc. 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. SPAV envisions "to achieve academic excellence in Architecture and Planning through innovating, creating, acquiring and disseminating knowledge using sustainable local and global practices and enhancing the quality of society through responsible built environment.

The institution has undertaken MOUs with various National and International universities and organizations including The Ecole Bleue Design-Paris, The UN- Habitat, University de Lille, LINCOLN University College, Norwegian University Science & Technology, Hafencity, Universitat-Hamburg, Institute of Geography-University of Cologne-Germany, and University of Florence etc.

Programme Description

Masters of Transport Planning is a two year full time postgraduate degree programme aimed to equip the students with adequate skills required to comprehend urban and regional transport based issues. The course received its ITPI recognition in the year 2022.

The course is designed to provide the 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 cater to the specific needs of the industry and academics. During this course, the students are provided with ample opportunities to interact with subject experts, relevant organisations, etc. The course enables the students to gain real time experience through their involvement in ongoing live projects. Also, they are exposed to proficient expertise in planning through a full time faculty and distinguished visiting faculty.

The programme also include 6-8 weeks **Internship** that takes place during the summer Vacation.

Admission

The admission to PG programmes at SPAV is partly through CCMT (conducted by MoE, Govt of India) and partly Direct Admissions (conducted by SPAV). Admissions for all seats of M.Design programmes starting in AY 2024-25 shall be based on Direct Admissions (conducted by SPAV).

The details of eligibility, admission process, seat matrix, and fees are given in <https://spav.ac.in/spavadmissions.html>.



Programme Outline

M. Plan (MTP) is a two-year course consisting of four semesters. First semester is an Integrated semester common to all masters of planning followed by three dedicated semester in Transport. The course structure is a combination of various subjects, which includes studios, labs, theory, and field visits.

Semester 1

First semester is an Integrated semester Which includes area planning studio, Infrastructure planning, Planning theories and concepts etc. that serves as an introduction to planning for all the students from different background as well as exposure to all sections of urban and rural planning

Semester 3

Third semester goes with advanced research methods, regional transport planning, infrastructure planning, and smart mobility etc. that dive deep into detailed process of transport planning and related expertise.

Semester 2

Second semester to start with detailed study of transportation sector that majorly focus of comprehensive mobility plan of urban city with knowledge base of transport economics, highway planning and traffic system design, urban transport planning, and public transport planning etc.

Semester 4

Final semester is the thesis semester where students take part Intricate project or research in the field of transport. Project formulation, transport policies and governance are also covered in this semester as part of the syllabus.

State of the Art in the Program

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 curriculum is designed in such a way so that the students pursuing Masters in Transport Planning can take elective subjects from Master of Environmental Planning Management (MEPM) and Master of Urban and Regional Planning (MURP), which gives them diverse knowledge.

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.

The department has a dedicated Transport lab equipped with thirty-five (35) high-end workstations installed with licensed GIS software such as ArcGIS Desktop, ERDAS Imagine and Imagine Photogrammetry and Transportation software's such as CUBE, Vissim and Visum. The lab was set up with an intention to equip the students of planning with the concepts of geo-informatics and computing skills in the relevant software, associated scientific tools, and their relevance and applicability in the field of urban, environment and transportation planning.

Career Prospects

Students in the program undergo a transformative process, becoming proficient planners, adept at employing strategic planning methodologies. They are also well-versed in the latest cutting-edge techniques tailored to meet industry demands. We place significant emphasis on Hands-on practical, Field-oriented design and Planning exercises, offering students the invaluable opportunity to learn through active engagement.

Students are equipped with the knowledge of various software and primed for a diverse range of career opportunities, including roles in Research Institutes, both Central and State Government Departments, Socio-Economic and Spatial Development Agencies, Public Policy Organizations, NGOs, Academic, and Private Firms specializing in Transport Planning and Development project presentations.

Past Recruiters:



Life at SPAV

The permanent campus of SPA Vijayawada is at the heart of Vijayawada city at ITI road and is approximately 10 acres, which hosts a set of iconic buildings with award winning designs that evolved in an environment friendly campus master plan. The campus accommodates the main iconic Academic and Administrative Block, the students residential blocks, and a dining cum guest house block. The campus has ICT enabled teaching atmosphere, high end digital surveillance systems, modern laboratories, spacious studios and classrooms, open-air theatres, auditorium, cafeteria, and outdoor sports facilities. The various labs in the campus include:

- Computer Labs,
- Geoinformatics Lab,
- Art Lab,
- Landscape Lab,
- Material Testing Lab,
- Surveying Lab,
- Model making & Carpentry Lab,
- Climatology Lab,
- Conservation Lab,
- Environmental Monitoring Lab,
- Structural Lab.



Onam Celebration



Ganesh Chaturthi
Celebration



Basketball Court



INYAN-College Festival



School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education Gov.of India

