

POST GRADUATE PROGRAM

LEADING TO

M. Plan (URBAN PLANNING)

CURRICULUM 2018

(Applicable from 2018 Admission onwards)

Department of Architecture and Planning
NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

Programme Educational Objectives:

1. To produce highly competent planning professionals with excellent academic quality and analytical skills so as to enable them to adapt to any challenging situations in planning in the country or abroad.
2. To impart in-depth knowledge in settlement planning inculcating scientific diagnostic and urban management abilities to understand planning issues holistically and equip them with predictive ability to analyze the outcome of economic, social, environment and energy impacts.
3. To provide a strong academic foundation with basic and advanced knowledge in settlement planning, enabling students to excel in planning and related careers nationally and internationally.
4. To enable students to understand use of geo-informatics and other analytical tools for solving complex situations that are generally present in planning.
5. To impart problem solving skills with the help of realistic exercises in planning studios and geo-informatics laboratory.
6. To expose students to the professional life by giving professional internship training.
7. To help students to develop teaching and training skills through regular teaching assistantship.
8. To enrich students with strong presentation skill, verbal communication skill and technical writing skill.
9. To prepare students to face challenges in the profession by encouraging interaction with planning professionals and other role players in the industry by involving them in planning projects and consultancy works.

Programme Outcomes:

On successful completion of the M Plan Program, the Graduates would:

1. Be competent to adapt to any challenging situations in planning in the country or abroad.
2. Be able to understand planning issues holistically and would be able to analyze the outcome of economic, social, environment and energy impacts.
3. Have strong academic foundation in order to excel in planning and related careers nationally and internationally.
4. Be able to use geo-informatics and other analytical tools for solving complex situations in planning.
5. Have problem solving skills to address realistic exercises in planning inculcated through planning studios and laboratory training.
6. Be competent to face challenges of professional life on account of the professional internship training imparted in the program.
7. Have teaching and training skills developed through regular teaching assistantship.
8. Be able to effectively communicate, visually, verbally and through technical writing.
9. Have confidence for self-education and ability for life-long learning.

M PLAN CURRICULUM 2018

FIRST SEMESTER

S. No	Code	Subject	Hours/Week			
			L	T	P/D	C
1	AP6101D	Planning Principles and Techniques	3	0	0	3
2	AP6102D	Demography and Quantitative Methods	3	0	0	3
3	AP6103D	Housing	3	0	0	3
4	AP6104D	GIS and Spatial Analysis	2	0	3	4
5	AP6105D	Remote Sensing Application in Urban Planning	2	0	3	4
6	AP6191D	Planning Studio I	0	0	9	6
TOTAL			13	0	15	23

SECOND SEMESTER

S. No	Code	Subject	Hours/Week			
			L	T	P/D	C
1	AP6106D	Environmental Planning	3	0	0	3
2	AP6107D	Transportation Planning	3	0	0	3
3	AP6108D	Urban Infrastructure Planning	3	0	0	3
4	AP6109D	Seminar	0	0	3	2
5		Elective I	3	0	0	3
6		Elective II	3	0	0	3
7	AP6192D	Planning Studio II	0	0	9	6
TOTAL			15	0	12	23

Total Credits at Level I: 23+23 = 46

Cumulative Credits: 46

THIRD SEMESTER

S. No	Code	Subject	Hours/Week			
			L	T	P/D	C
1	AP7101D	Regional and Metropolitan Planning	3	0	0	3
2	AP7102D	Project Finance and Planning	3	0	0	3
3		Elective III	3	0	0	3
4		Elective IV	3	0	0	3
5	AP7191D	Planning Studio III	0	0	9	6
6	AP7192D	Dissertation and Thesis Programming	0	0	6	3
7	AP7193D	Summer Training				1
TOTAL			12	0	15	22

The Summer Training of 6 weeks should be undertaken during the summer vacation in between the Second and Third Semesters. The evaluation will be conducted during Third Semester.

FOURTH SEMESTER

S. No	Code	Subject	Hours/Week			
			L	T	P/D	C
1	AP7103D	Planning Legislation and Professional Practice	3	0	0	3
2	AP7104D	Term Paper	0	0	3	2
3	AP7194D	Planning Thesis	0	0	24	12
TOTAL			3	0	27	17

Total Credits at Level II: 22+17 = 39

Cumulative Credits: 46+39 = 85

Minimum Requirements:

1. A **minimum of 85 credits** should be earned for the award of M. Plan Degree in Urban Planning
2. A student has to register for **Four Electives** distributed in various semesters as per the curriculum.

ELECTIVE COURSES

FIRST LEVEL ELECTIVES

S. No	Code	Subject	Hours/Week			
			L	T	P/D	C
1	AP 6121D	Land Management and Real Estate Development	3	0	0	3
2	AP 6122D	Planning for Sustainable Development	3	0	0	3
3	AP 6123D	Tourism and Recreational Planning	3	0	0	3
4	AP 6124D	Planning for Rural Development	3	0	0	3
5	AP 6125D	Urban Management and Governance	3	0	0	3
6	AP 6126D	Advanced GIS for Urban Analysis	3	0	0	3
7	AP 6127D	Urban Disaster Management	3	0	0	3
8	AP 6128D	Environmental Impact Assessment	3	0	0	3
9	AP 6129D	Planning for Smart Cities	3	0	0	3

SECOND LEVEL ELECTIVES

S. No	Code	Subject	Hours/Week			
			L	T	P/D	C
1	AP 7121D	Advanced Transportation planning	3	0	0	3
2	AP 7122D	Regional Transport Planning	3	0	0	3
3	AP 7123D	Urban Design and Conservation	3	0	0	3
4	AP 7124D	Coastal Cities' Management	3	0	0	3
5	AP 7125D	Financial Management of Local Self Government	3	0	0	3
6	AP 7126D	Human Settlement and Climate Change	3	0	0	3
7	AP 7127D	Systems Modeling and Analysis	3	0	0	3
8	AP 7128D	Urban Renewal and Conservation	3	0	0	3
9	AP 7129D	Heritage Management and Tourism	3	0	0	3
10	AP 7130D	Green City Planning for Sustainability	3	0	0	3