

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF URBAN PLANNING

CURRICULUM STRUCTURE
FOR
BACHELOR OF PLANNING



(Sem. I to Sem. VIII)

w.e.f.: A.Y. 2026-2027

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF URBAN PLANNING

VISION

To be a centre of excellence in urban planning education, nurturing globally competent, ethical, and sustainable planning professionals for the development of inclusive and resilient communities.

MISSION

M1: To impart quality education in planning through innovative pedagogy, advanced technologies, and industry-oriented learning.

M2: To promote research, consultancy, and professional practice for sustainable, smart, and inclusive urban and regional development.

M3: To develop socially responsible planners and leaders with strong professional ethics, environmental consciousness, and lifelong learning skills.

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF URBAN PLANNING

Bachelor of Planning (B.Plan)

PEO: Programme Educational Objectives (PEOs)

PEO1 – Professional Competence

Graduates will apply knowledge of planning theories, spatial analysis, and planning tools to address urban and regional development challenges in professional practice.

PEO2 – Sustainable and Inclusive Development

Graduates will contribute to sustainable, resilient, and inclusive urban and regional development by integrating environmental, social, economic, and technological considerations in planning solutions.

PEO3 – Innovation and Leadership

Graduates will demonstrate leadership, innovation, and entrepreneurial skills in planning practice, research, and policy development using modern technologies.

PEO4 – Ethics and Lifelong Learning

Graduates will practice professional ethics, social responsibility, and continuous learning to adapt to emerging challenges and technologies in planning and development.

Programme Specific Outcomes (PSOs)

PSO1 – Spatial Planning and Policy Development

Graduates in Planning will be able to prepare and evaluate urban, regional, and infrastructure development plans using planning principles, policies, and regulatory frameworks.

PSO2 – Planning Technologies and Analytical Tools

Graduates in Planning will be able to apply modern planning tools such as GIS, remote sensing, spatial modelling, and data analytics for planning analysis and decision-making.

PSO3 – Sustainable Urban Development and Management

Graduates in Planning will be able to design sustainable, resilient, and inclusive urban environments through effective planning of land use, transportation, housing, infrastructure, and environmental management.

SCHOOL OF ENGINEERING AND TECHNOLOGY

PROGRAMME OUTCOMES (POS)

PO1 – Planning Knowledge

Apply knowledge of mathematics, environmental science, computing, and planning fundamentals to solve complex urban and regional planning problems.

PO2 – Problem Analysis

Identify, formulate, review research literature, and analyze complex planning problems to reach evidence-based conclusions with consideration for sustainable development.

PO3 – Planning Design and Development

Design creative and practical planning solutions and develop plans, policies, and strategies addressing public health, safety, environmental sustainability, and societal needs.

PO4 – Investigation of Planning Problems

Conduct investigations of planning problems using research-based methods, surveys, spatial analysis, modelling, and data interpretation to provide valid conclusions.

PO5 – Planning Tools Usage

Create, select, and apply appropriate techniques, resources, and modern planning tools including GIS, CAD, remote sensing, and urban modelling while recognizing their limitations.

PO6 – Planner and Society

Analyze societal, environmental, economic, and legal impacts of planning decisions and ensure sustainable and responsible urban development.

PO7 – Ethics

Apply ethical principles, professional standards, and legal regulations in planning practice while respecting diversity, inclusion, and public welfare.

PO8 – Individual and Team Work

Function effectively as an individual and as a member or leader in multidisciplinary teams involved in planning and development projects.

PO9 – Communication

Communicate effectively with professionals, stakeholders, and communities through reports, maps, presentations, and participatory planning processes.

PO10 – Project Management and Finance

Apply knowledge of project management, urban economics, and financial planning to manage planning projects in multidisciplinary environments.

PO11 – Lifelong Learning

Recognize the need for lifelong learning, adaptability to emerging technologies, and critical thinking in the evolving field of urban and regional planning.

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF URBAN PLANNING

Programme Name : Bachelor of Planning

Outcome Based Education (OBE) and Choice Based Credit System (CBCS) as per NEP 2020

Programme Code: 18

Duration of Programme: 8 Semester

Semester: I

With Effect From Academic Year: 2026-27

Sr.No	Course Category	Course Code	Course Title	Scheme of Study (Hours/Week)						Assessment Scheme (Marks)				Total Marks (TA+LA)
				Classroom Instruction (CI)		Lab Instruction (LI)	Hours (CIA+SL)	Total Notional Hours (CI+LI+CIA+SL) for 15 weeks	Total Credits	Theory Assessment (TA)		Lab Assessment (LA)		
				L	T					Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	
1	PCC	ET-U-18-PC-101-T	Fundamentals of Urban Planning	3	0	0	3	6	3	40	60	--	--	100
2	PGC	ET-U-18-PC-102-T	Techniques of Planning - I	3	0	0	3	6	3	40	60	--	--	100
3	PCC	ET-U-18-PC-103-T	History of Settlement and Planning	3	0	0	3	6	3	40	60	--	--	100
4	PCC	ET-U-18-PC-104-T	Quantitative & Qualitative Methods of Planning	1	1	0	2	4	2	40	60	--	--	100
5	AEC	ET-U-18-AEC-101-T	Professional Communication skills	2	0	0	2	4	2	40	60	0	0	100
6	PCC	ET-U-18-PC-101-L	Planning Studio – I (Area Appreciation Urban and Rural)	0	0	4	4	8	4	--	--	50	50	100
7	VSEC	ET-U-18-SEC-101-L	Induction to GIS and Computer Fundamentals	0	0	2	2	2	2	--	--	0	25	25
8	VSEC	ET-U-18-SEC-102-L	Drawing Graphics and Design	0	0	2	0	2	1	0	0	25	0	25
9	CC	ET-U-18-CC-101-L	Physical Education and Yoga Lab	0	0	2	0	4	2	0	0	50	0	50
Total				12	1	10	19	42	22	200	300	125	75	700
Audit Course														
12	Audit	-	Human rights and Constitutional duties	1	0	0	0	0	0	0	0	0	0	0

Legend:

- CI Classroom Instruction (Includes different instructional/implementation strategies, i.e., Lecture (L), Tutorial (T), Case method, Demonstrations, Video demonstration, Problem-based learning, Activity-based learning, Experiential learning etc., to deliver theoretical concepts)
- LI Laboratory Instruction (Includes experiments/practical performances /problem-based experiences in laboratory, workshop, field or other locations using different instructional/Implementation strategies)
- CIA Continuous Internal Assessment (includes assignments, seminars, micro projects, industrial visits, book reviews, and any other student activities)
- SL Self-learning, MOOCs, spoken tutorials, SWAYAMPRAKHA, online educational resources, institute LMS etc.
- Notional Hours Hours of engagement by learners, which include classroom instruction hours, laboratory instruction hours, continuous internal assessment hours, and self-learning hours.
- C Credits: 1 credit is equivalent to 30 Notional hrs.
- Note CIAs and SL have to be planned by the teacher and performed by the learner under the continuous guidance and feedback of the teacher to ensure the outcome of learning.
- Notional Learning hours for the semester are (CL+LL+TL+SL) hrs* 15 Weeks.

Head of The Department
Head of The Department
 Urban Planning
BOS Chairman
BOS Chairman
 School of Engineering & Technology
 Sandip University, Nashik

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Dean SOET

July 26
July 26
 DEAN ACADEMICS

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF URBAN PLANNING

Programme Name : Bachelor of Planning

Outcome Based Education (OBE) and Choice Based Credit System (CBCS) as per NEP 2020

Programme Code: 18

Duration of Programme: 8 Semester

Semester: II

With Effect From Academic Year: 2024-25

Sr.No	Course Category	Course Code	Course Title	Scheme of Study (Hours/Week)						Assessment Scheme (Marks)				Total Marks (TA+LA)
				Classroom Instruction (CI)		Lab Instruction (LI)	Hours (CIA+SL)	Total Notional Hours (CI+LI+CIA+SL) for 15 weeks	Total Credits	Theory Assessment (TA)		Lab Assessment (LA)		
				L	T					Continuous Internal & Self-Learning Assessment (CIA & SL)	End Semester Examination (ESE)	Continuous Internal & Self-Learning Assessment (CIA & SL)	End Semester Examination (ESE)	
1	PCC	ET-U-18-PC-105-T	Remote Sensing and GIS	3	0	0	3	6	3	40	60	—	—	100
2	PCC	ET-U-18-PC-106-T	Surveying	2	0	0	2	4	2	40	60	—	—	100
3	PCC	ET-U-18-PC-107-T	Basics Building Design and Construction	2	0	0	2	4	2	40	60	—	—	100
4	PCC	ET-U-18-PC-108-T	Techniques of Planning - II	3	1	0	3	6	3	40	60	—	—	100
5	IKS	ET-U-18-IKS-_____	Indian Knowledge Systems	2	0	0	2	4	2	40	60	0	0	100
6	PCC	ET-U-18-PC-102-L	Planning- II (Village Planning and neighbourhood planning)	0	0	4	4	8	4	—	—	50	50	100
7	VSEC	ET-U-18-SEC-103-L	Surveying and Levelling Lab	0	0	2	2	4	2	—	—	25	25	50
8	VEC	ET-U-18-VEC-101-T	Environmental Studies	2	0	0	2	4	2	40	60	—	—	100
9	CC	ET-U-18-CC-102-L	Physical Education and Sports Lab	0	0	2	0	4	2	0	0	50	0	50
Total				14	1	8	20	44	22	240	360	125	75	800
Audit Course														
12	Audit		Disaster Management & Urban Safety	1	0	0	0	0	0	0	0	0	0	0

Legend:

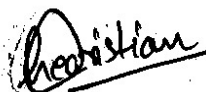
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BOS Chairman



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DEAN ACADEMICS

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF URBAN PLANNING

Programme Name : Bachelor of Planning

Outcome Based Education (OBE) and Choice Based Credit System (CBCS) as per NEP 2020

Programme Code: 18

Duration of Programme: 8 Semester

Semester: III

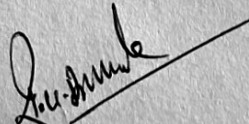
With Effect From Academic Year: 2026-27

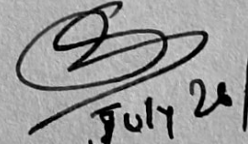
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				Classroom Instruction (CI)		Lab Instruction (LI)	Hours (CIA+SL)	Total Notional Hours (CI+LI+CIA+SL) for 15 weeks	Total Credits	Theory Assessment (TA)		Lab Assessment (LA)		
				L	T					Continuous-Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	
1	PCC	ET-U-18-PC-201-T	Planning Theory -I	3	0	0	3	6	3	40	60	--	--	100
2	PCC	ET-U-18-PC-202-T	Traffic & Transportation Planning – I	2	0	0	2	4	2	40	60	--	--	100
3	PCC	ET-U-18-PC-203-T	Urban Infrastructure Planning	3	0	0	3	6	3	40	60	--	--	100
4	OE	ET-U-18- OE-__	Open Elective – I	3	0	0	3	6	3	40	60	--	--	100
5	MDM	ET-U-18- MI-__	Multidisciplinary Minor – I	2	0	0	2	4	2	40	60	--	--	100
6	PCC	ET-U-18-PC-201-L	Planning Studio – III (Land use and Transport Planning)	0	0	4	4	8	4	--	--	50	50	100
7	HSSM	ET-U-18-HS-201-T	Demography & Urbanization	2	0	0	2	4	2	40	60	--	--	100
8	FP	ET-U-13-FP-201-L	Community Engagement & Field Study	0	0	4	0	4	2	--	--	25	25	50
Total				15	0	8	19	42	21	240	360	75	75	750
Audit Course														
12	VAP	VAP	AutoCAD , SketchUp for Urban Visualization	0	0	2	0	0	0	0	0	0	0	0

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SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF URBAN PLANNING
Programme Name : Bachelor of Planning
Outcome Based Education (OBE) and Choice Based Credit System (CBCS) as per NEP 2020

With Effect From Academic Year: 2026-27

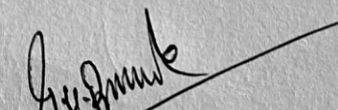
Programme Code: 18
Duration of Programme: 8 Semester
Semester: IV

Semester - IV														
Sr.No	Course Category	Course Code	Course Title	Scheme of Study (Hours/Week)						Assessment Scheme (Marks)				Total Marks (TA+LA)
				Classroom Instruction (CI)		Lab Instruction (LI)	Hours (CIA+SL)	Total Notional Hours (CI+LI+CIA+SL) for 15 weeks	Total Credits	Theory Assessment (TA)		Lab Assessment (LA)		
				L	T					Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	
1	PCC	ET-U-18-PC-204-T	Planning Theory – II	2	1	0	3	6	3	40	60	--	--	100
2	PCC	ET-U-18-PC-205-T	Traffic & Transportation Planning – II	2	0	0	2	4	2	40	60	--	--	100
3	PCC	ET-U-18-PC-206-T	Ecology & Resource Planning	2	0	0	2	4	2	40	60	--	--	100
4	MDM	ET-U-18- MI-__	Multidisciplinary Minor – II	2	0	0	2	4	2	40	60	--	--	100
5	OE	ET-U-18- OE-__	Open Elective – II	3	0	0	3	6	3	40	60	--	--	100
6	PCC	ET-U-18-PC-202-L	Planning Studio – IV (Site Planning)	0	0	4	4	8	4	--	--	50	50	100
7	AEC	ET-U-18-AEC-201-T	Reasoning and Aptitude Development	1	1	0	2	4	2	50	0	0	0	50
8	VSEC	ET-U-18-SEC-201-L	Basics of information and Programming	0	0	2	0	2	1	--	--	0	25	25
9	VEC	ET-U-18-VEC-201-T	Value education Course	2	0	2	0	4	2	50	--	--	--	50
Total				14	2	8	18	42	21	300	300	50	75	725
Value Added Program														
13	VAP	VAP	Q-GIS for Urban Planning	0	0	2	0	0	0	0	0	0	0	0

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DEAN ACADEMICS

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF URBAN PLANNING
Programme Name : Bachelor of Planning
Outcome Based Education (OBE) and Choice Based Credit System (CBCS) as per NEP 2020

Programme Code: 18
 Duration of Programme: 8 Semester
 Semester: V

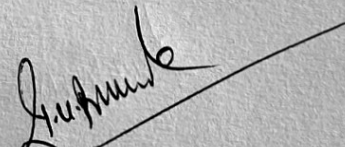
With Effect From Academic Year: 2026-27

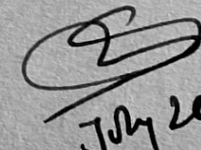
Sr.No	Course Category	Course Code	Course Title	Scheme of Study (Hours/Week)						Assessment Scheme (Marks)				Total Marks (TA+LA)
				Classroom Instruction (CI)		Lab Instruction (LI)	Hours (CIA+ SL)	Total Notional Hours (CI+LI+CIA+S L)/ for 15 weeks)	Total Credits	Theory Assessment (TA)		Lab Assessment (LA)		
				L	T					Continuous Internal & Self- Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	Continuous Internal & Self- Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	
1	PCC	ET-U-18-PC-301-T	Housing	3	0	0	3	6	3	40	60	--	--	100
2	PCC	ET-U-18-PC-302-T	Planning for informal sector and the Urban poor	2	0	0	2	4	2	40	60	--	--	100
3	PCC	ET-U-18-PC-303-T	Project Formulation, Appraisal & Management	1	1	0	2	4	2	40	60	--	--	100
4	PEC	ET-U-18- PE-__	Program Elective – I	3	0	0	3	6	3	40	60	--	--	100
	PEC	ET-U-18- PE-__	Program Elective – II	2	0	0	2	4	2	40	60	--	--	100
5	MDM	ET-U-18- MI-__	Multidisciplinary Minor – III	3	0	0	3	6	3	40	60	--	--	100
6	PCC	ET-U-18-PC-301-L	Planning Studio – V (Sub City Plan)	0	0	4	4	8	4	--	--	50	50	100
7	OE	ET-U-18- OE-__	Open Elective – III	2	0	0	2	4	2	40	60	--	--	100
8	VSEC	ET-U-18-SEC-301-L	Advanced Planning Software Lab	0	0	2	0	2	1	--	--	0	25	25
9	VSEC	ET-U-18-SEC-302-L	Urban Analytics & Data Lab	0	0	2	0	2	1	--	--	0	25	25
Total				16	1	8	21	46	23	280	420	50	100	850
Value Added Program														
11	VAP	VAP	Urban Data Analysis using Excel & Power BI	0	0	2	0	0	0	0	0	0	0	0

Legend:

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DEAN ACADEMICS

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF URBAN PLANNING
Programme Name : Bachelor of Planning
Outcome Based Education (OBE) and Choice Based Credit System (CBCS) as per NEP.2020

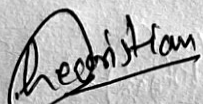
Programme Code: 18
 Duration of Programme: 8 Semester
 Semester: VI

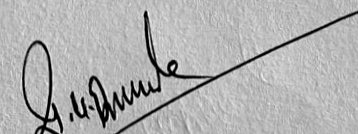
With Effect From Academic Year: 2026-27

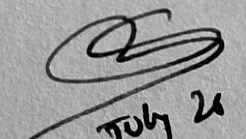
Semester: VI														
Sr.No	Course Category	Course Code	Course Title	Scheme of Study (Hours/Week)						Assessment Scheme (Marks)				Total Marks (TA+LA)
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				L	T					Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	
1	PCC	ET-U-18-PC-304-T	Environmental Planning	3	0	0	3	6	3	40	60	--	--	100
2	PCC	ET-U-18-PC-305-T	Urban development and Finance	2	0	0	2	4	2	40	60	--	--	100
3	MDM	ET-U-18- MI-__	Multidisciplinary Minor – IV	3	0	0	3	6	3	40	60	--	--	100
4	PEC	ET-U-18- PE-__	Program Elective – III	3	0	0	3	6	3	40	60	--	--	100
5	PEC	ET-U-18- PE-__	Program Elective – IV	3	0	0	3	6	3	40	60	--	--	100
6	PCC	ET-P-18-PC-302-L	Planning Studio – VI (Master Plan/ Development Plan)	0	0	4	4	8	4	--	--	50	50	100
7	PCC	ET-U-18-PC-306-T	Land Economics and Location Theory	2	0	0	0	2	2	40	60	--	--	100
8	HSSM	ET-U-18-HS-301-L	Planning Ethics	0	0	2	0	2	1	--	--	0	25	25
Total				16	0	6	18	40	21	240	360	50	75	725
Value Added Program														
11	VAP	VAP	Python for Urban Analytics	0	0	2	0	0	0	0	0	0	0	0

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DEPARTMENT OF URBAN PLANNING

Programme Name : Bachelor of Planning

Outcome Based Education (OBE) and Choice Based Credit System (CBCS) as per NEP 2020

Programme Code: 18

Duration of Programme: 8 Semester

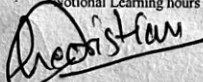
Semester: VII

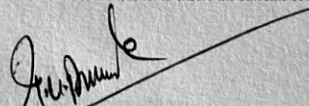
With Effect From Academic Year: 2026-27

With Effect From Academic Year: 2026-27														
Sr.No	Course Category	Course Code	Course Title	Scheme of Study (Hours/Week)						Assessment Scheme (Marks)				Total Marks (TA+LA)
				Classroom Instruction (CI)		Lab Instruction (LI)	Hours (CIA+SL)	Total Notional Hours (CI+LI+CIA+SL) for 15 weeks	Total Credits	Theory Assessment (TA)		Lab Assessment (LA)		
				L	T					Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	
1	PCC	ET-U-18-PC-401-T	Regional Planning	3	0	0	3	6	3	40	60	—	—	100
2	PCC	ET-U-18-PC-402-T	Planning Legislation & Governance	2	1	0	3	6	3	40	60	—	—	100
3	PEC	ET-U-18- PE-__	Program Elective – V	3	0	0	3	6	3	40	60	—	—	100
4	PEC	ET-U-18- PE-__	Program Elective – VI	2	0	0	2	4	2	40	60	—	—	100
5	MDM	ET-U-18- MI-__	Multidisciplinary Minor – V	3	0	0	3	6	3	40	60	—	—	100
6	ELC	ET-U-13-CC-404-T	Research Methodology	3	0	0	3	6	3	40	60	—	—	100
7	PCC	ET-U-18-PC-401-L	Planning Studio - VII (Regional Plan)	0	0	4	4	8	4			50	50	100
8	ELC	ET-U-18-RP-401-L	Project Stage -I	0	0	2	2	4	2	0	0	50	50	100
9	HSSM	ET-U-18-HS-401-L	Entrepreneurship	0	0	2	1	45	1	—	—	25	0	25
Total				16	1	8	24	91	24	240	360	125	100	825
Value Added Program														
11	VAP		Advanced GIS & Spatial Analytics	0	0	2	0	0	0	0	0	0	75	0

Legend:

- CI Classroom Instruction (Includes different instructional/implementation strategies, i.e., Lecture (L), Tutorial (T), Case method, Demonstrations, Video demonstration, Problem-based learning, Activity-based learning, Experiential learning etc., to deliver theoretical concepts)
- LI Laboratory Instruction (Includes experiments/practical performances /problem-based experiences in laboratory, workshop, field or other locations using different instructional/implementation strategies)
- CIA Continuous Internal Assessment (includes assignments, seminars, micro projects, industrial visits, book reviews, and any other student activities)
- SL Self-learning, MOOCs, spoken tutorials, SWAYAMPRAKHA, online educational resources, institute LMS etc.
- Notional Hours Hours of engagement by learners, which include classroom instruction hours, laboratory instruction hours, continuous internal assessment hours, and self-learning hours.
- C Credits: 1 credit is equivalent to 30 Notional hrs.
- Note CIAs and SL have to be planned by the teacher and performed by the learner under the continuous guidance and feedback of the teacher to ensure the outcome of learning.
- Notional Learning hours for the semester are (CL+LL+TL+SL) hrs* 15 Weeks.


BOS Chairman


DEAN SOET


30 July 26
DEAN ACADEMICS

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF URBAN PLANNING
 Programme Name : Bachelor of Planning
 Outcome Based Education (OBE) and Choice Based Credit System (CBCS) as per NEP 2020

Programme Code: 18
 Duration of Programme: 8 Semester
 Semester: VIII

With Effect From Academic Year: 2026-27

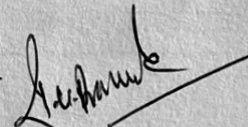
with Effect From Academic Year: 2026-27														
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				Classroom Instruction (CI)		Lab Instruction (LI)	Hours (CIA+SL)	Total Notional Hours (CI+LI+CIA+SL)/ for 15 weeks	Total Credits	Theory Assessment (TA)		Lab Assessment (LA)		
										Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	Continuous Internal & Self-Learning Assessment (CIAs & SL)	End Semester Examination (ESE)	
				L	T									
1	ELC	ET-U-18- RP-402-L	Project Stage II	0	0	2	0	4	2	0	—	50	50	100
2	INT/OJT	ET-U-18- IN-401-L	INTERNSHIP/OJT#	0	0	0	0	0	12	0	—	50	50	100
Total				0	0	2	0	4	14	0	0	100	100	200

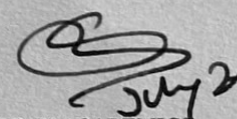
Legend:

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DEAN ACADEMICS

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF URBAN PLANNING
SUMMARY CREDIT DISTRIBUTION

Sr.No	Semester		I	II	III	IV	V	VI	VII	VIII	Total Credits SUN B.Plan
1	Programme Core Course (PCC)	Program Courses	15	14	12	11	11	11	10		84
2	Programme Elective Course (PEC)						5	6	5		16
3	Multidisciplinary Minor (MD M)	Multidisciplinary Courses			2	2	3	3	3		13
4	Open Elective (OE) Other than a particular program				3	3	2				8
5	Vocational and Skill Enhancement Course (VSEC)	Skill Courses	3	2		1	2				8
6	Ability Enhancement Course (AEC -01, AEC-02)	Humanities Social Science and Management (HSSM)	2			2					4
7	Entrepreneurship/ Economics / Management Course				2			1	1		4
8	Indian knowledge System (IKS)			2							2
9	Value Education Course (VEC)			2		2					4
10	Research Methodology	Experiential Learning Courses							3		3
11	Comm. Engg. Project (CEP) / Field Project (FP)				2						2
12	Project								2	2	4
13	Internship/ OJT									12	12
14	Co-curricular Course (CC)	Liberal Learning Courses	2	2							4
	Total Credits (Major)										0
	Total Credits (Major)		22	22	21	21	23	21	24	14	168

Signature

Signature

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF URBAN PLANNING
BASKET FOR PROGRAM ELECTIVES

Tracks	PEC based on Specializations
I	Transport & Infrastructure Planning
II	Environmental & Climate Planning
III	Housing, Real Estate & Urban Management
IV	Urban Design, Heritage & Public Realm
V	Infrastructure Planning
VI	Rural Planning

PEC-I		
Sr, No.	Course Code	Course Name
1	ET-U-18- PE-301-T	Public Transport Systems
2	ET-U-18- PE-302-T	Urban Freight & Logistics Planning

PEC-II		
Sr, No.	Course Code	Course Name
1	ET-U-18- PE-303-T	Climate Action Planning for Cities
2	ET-U-18- PE-304-T	Nature-Based Solutions & Urban Resilience

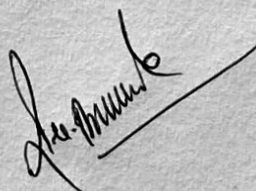
PEC-III		
Sr, No.	Course Code	Course Name
1	ET-U-18- PE-305-T	Real Estate Planning & Development
2	ET-U-18- PE-306-T	Urban Housing Finance
3	ET-U-18- PE-307-T	Participatory and Inclusive Planning

PEC-IV		
Sr, No.	Course Code	Course Name
1	ET-U-18- PE-308-T	Urban Design Principles
2	ET-U-18- PE-309-T	Heritage and Conservation of Special Areas

PEC-V		
Sr, No.	Course Code	Course Name
1	ET-U-18- PE-401-T	Municipal Services Planning
2	ET-U-18- PE-402-T	Sustainable Urban Water Management

PEC-VI		
Sr, No.	Course Code	Course Name
1	ET-U-18- PE-403-T	Integrated Rural Development & Regional Planning
2	ET-U-18- PE-404-T	Village Infrastructure Planning


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SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF URBAN PLANNING

Open Elective Basket offered by the Planning Department

Sr No	Course Code	SEM	Course Name
1	ET-U-18- OE-201-T	III	Introduction to Urban Planning
2	ET-U-18- OE-202-T		Urban Water Supply & Sanitation
3	ET-U-18- OE-203-T	IV	Smart Cities
4	ET-U-18- OE-204-T		Disaster Risk Management
5	ET-U-18- OE-301-T	V	Sustainable Transportation
6	ET-U-18- OE-302-T		Geographic Information Systems (GIS)

VEC Basket (Value Education Courses)

Sr No	Course Code	SEM	Course Name
1	ET-U-18-VEC-101-T	II	Environmental Studies
3	ET-U-18- VEC-201-T	IV	Professional Practice and Ethics

AEC Basket (Ability Enhancement Courses)

Sr No	Course Code	Course Name
1	ET-U-18-AEC-101-T	Professional Communication skills
2	ET-U-18-AEC-201-T	Reasoning and Aptitude Development
3	—	Strategic Communication for professionals
4	—	Key Competencies for Career Growth
5	—	Employability Skills and Career Advancement

IKS Basket (Indian Knowledge System)

Sr No	Course Code	Course Name
1	ET-U-18-IKS-101-T	Vedic Mathematics
2	ET-U-18-IKS-102-T	Nature as Medicine
3	ET-U-18-IKS-103-T	Ancient Indian Wisdom for Motivation
4	ET-U-18-IKS-104-T	Indian Economics & business Model
5	ET-U-18-IKS-105-T	Tradition Technology
6	ET-U-18-IKS-106-T	Cryptography in Ancient India

Christian
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Dr. B. K. S.



SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF URBAN PLANNING

B.Plan with Minor in

Sr.No	Course Name	Code	Scheme	Credit	Semester
1	Smart Cities	ET-U-18- MI-201-T	2-0-0	2	3rd
2	Disaster Risk Management	ET-U-18- MI-202-T	2-0-0	2	4th
3	Urban Infrastructure Planning	ET-U-18- MI-301-T	3-0-0	3	5th
4	Rural Development & Management	ET-U-18- MI-302-T	3-0-0	3	6th
5	Urban Transport Planning	ET-U-18- MI-401-T	3-0-0	3	7th
Total				14	

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SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF URBAN PLANNING

B.Plan OPEN Elective Mapped with SWAYAM Courses

<i>Sr. NO.</i>	<i>B.Plan Open Elective</i>	<i>Recommended SWAYAM/NPTEL Course</i>	<i>Course Link</i>	<i>Usual Offering period</i>
1	Introduction to Urban Planning	Introduction to Urban Planning (IIT Roorkee)	NPTEL – Introduction to Urban Planning	July – September
2	Urban Water Supply & Sanitation	Urban Utilities Planning: Water Supply, Sanitation and Drainage (IIT Kharagpur)	NPTEL – Urban Utilities Planning	July – October
3	Smart Cities	Smart Cities (IIT Indore)	NPTEL – Smart Cities	January – April
4	Disaster Risk Management	Climate Hazards and Disaster Risk Reduction (NPTEL)	NPTEL – Climate Hazards and Disaster Risk Reduction	January – April
5	Sustainable Transportation	Sustainable Transportation Systems (IIT Roorkee)	NPTEL – Sustainable Transportation Systems	July – October
6	Geographic Information Systems (GIS)	Basics of Remote Sensing, GIS & GNSS and its Applications (AICTE-SWAYAM)	SWAYAM Course Catalogue (search "Basics of Remote Sensing, GIS & GNSS")	Generally January and July cycles

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Dr. M. M. M. M.