



**JSPM UNIVERSITY PUNE**

Recognized by UGC u/s 2 (f) of UGC Act 1956 and enacted by the  
State Government of Maharashtra - JSPM University Act, 2022 (Mah.IV of 2023)

**JSPM University Pune**  
**Faculty of Science and Technology**  
**School of Civil and Environmental Sciences**



**NEP aligned Curriculum Structure**

**for**

**B.Tech (Construction Management)**

**(Effective from AY: 2023-24)**



# JSPM University Pune

FACULTY OF SCIENCE & TECHNOLOGY

SCHOOL OF CIVIL AND ENVIRONMENTAL SCIENCES

SECOND YEAR BACHELOR OF TECHNOLOGY (LATERAL ENTRY)  
(CONSTRUCTION MANAGEMENT)

COURSE STRUCTURE  
(NEP 2020 Aligned)

W. E. F

2023-2024

RELEASE DATE

01/07/2023

REVISION NO.

0.0 (NEP)

## SEMESTER III (LEVEL 5)

COURSE

TEACHING  
SCHEME

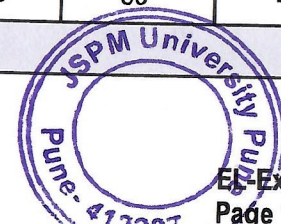
EXAMINATION SCHEME AND MARKS

TYPE	CODE	COURSE NAME	Hours / Week				THEORY (Equal Weightage for CIE and ESE)			PRACTICAL (Equal Weightage for CIE and ESE)		ORAL (Equal Weightage for CIE and ESE)		TOTAL	CREDITS	
			L	T	P	EL	CONTINUOUS INSEMESTER EVALUATION (100 Marks)			END SEMESTER EXAMINATION (100 / 50 Marks)	CONTINUOUS INSEMESTER EVALUATION (50 Marks)	END SEMESTER EXAMINATION (50 Marks)	CONTINUOUS INSEMESTER EVALUATION (50 Marks)			END SEMESTER EXAMINATION (50 Marks)
							T1 (30 Marks)	T2 (30 Marks)	Assign- ments (40 Marks)							
BSC	230GMAL03_03	Vector Calculus, Differential Equations and Statistics	3	1	-	-	30	30	40	100	-	-	-	-	100	4
PCC	230GCMB01_03	Building Technology and Architectural Planning	3	-	-	2	30	30	40	100	-	-	-	-	100	3.5
PCC	230GCMB02_03	Mechanics of Structures	3	-	-	-	30	30	40	100	-	-	-	-	100	3
PCC	230GCMB03_03	Flow Mechanics	2	-	-	-	30	30	40	50	-	-	-	-	50	2
IOC	-	Interdisciplinary Open Elective Course- I	2	-	-	-	30	30	40	100	-	-	-	-	100	2
MMC	-	Multidisciplinary Minor Course- I	1	-	2	-	-	-	-	-	-	-	-	-	100	2
AEC (HSMC)	230UENB01_03	Effective Communication Skills	1	-	2	-	30	30	40	50	50	50	50	100	2	
VSC	230IDCB01_03	Design Thinking and Creativity	1	-	-	2	-	-	-	-	-	-	-	50	2	
LC	230GCMB04_03	Building Construction Lab	-	-	2	-	-	-	-	-	-	50	50	50	1.5	
LC	230GCMB05_03	Mechanics of Structures Lab	-	-	2	-	-	-	-	-	50	50	-	50	1	
LC	230GCMB06_03	Flow Mechanics Lab	-	-	2	-	-	-	-	-	50	50	-	50	1	
<b>TOTAL</b>			<b>16</b>	<b>1</b>	<b>10</b>	<b>4</b>					<b>50</b>	<b>50</b>			<b>50</b>	<b>1</b>
															<b>800</b>	<b>23</b>

L-Lecture  
Format No.: JSPMUni/ACAD/001

T-Tutorial  
Rev. No.:0.0

P-Practical Session (Laboratory)  
Rev. Date:01/07/2023



Sem	Interdisciplinary Open Elective Course	
III (IOC-1)	Course Code	230GCSB19_03
	Course Name	Introduction to Programming Languages

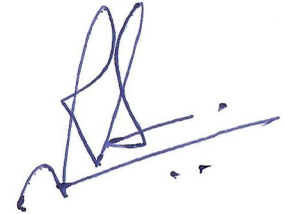
Sem	Multidisciplinary Minor Course	
III (MMC -1)	Course Code	230GMTB01_03
	Course Name	Sensors and Actuators
IV (MMC - 2)	Course Code	230GCSB134_04
	Course Name	Introduction to Object Oriented Programming



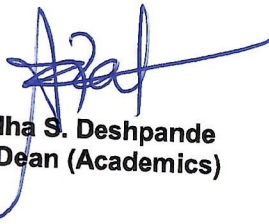
**Ms. Sharayu Kadam**  
Programme Coordinator, BTech-CM



**Dr. M. Nithya**  
Director, School of Civil and Environmental Sciences



**Dr. R. S. Deshpande**  
Dean, Faculty of Science and Technology



**Dr. Anuradha S. Deshpande**  
Associate Dean (Academics)



**Prof. B.B. Ahuja**  
Vice Chancellor, JSPM University Pune





# JSPM University Pune

FACULTY OF SCIENCE & TECHNOLOGY

SCHOOL OF CIVIL AND ENVIRONMENTAL SCIENCES

SECOND YEAR BACHELOR OF TECHNOLOGY (LATERAL ENTRY)  
(CONSTRUCTION MANAGEMENT)

COURSE STRUCTURE  
(NEP 2020 Aligned)

W. E. F

2023-2024

RELEASE DATE

01/07/2023

REVISION NO.

0.0 (NEP)

## SEMESTER IV (LEVEL 5)

### COURSE

### TEACHING SCHEME

### EXAMINATION SCHEME AND MARKS

TYPE	CODE	COURSE NAME	Hours / Week				THEORY (Equal Weightage for CIE and ESE)				PRACTICAL (Equal Weightage for CIE and ESE)		ORAL (Equal Weightage for CIE and ESE)		TOTAL	CREDITS	
			L	T	P	EL	CONTINUOUS INSEMESTER EVALUATION (100 Marks)			END SEMESTER EXAMINATION (100 / 50 Marks)	CONTINUOUS INSEMESTER EVALUATION (50 Marks)	END SEMESTER EXAMINATION (50 Marks)	CONTINUOUS INSEMESTER EVALUATION (50 Marks)	END SEMESTER EXAMINATION (50 Marks)			
							T1 (30 Marks)	T2 (30 Marks)	Assignments (40 Marks)								
BSC	230GMAL02_04	Multivariate Calculus and Differential Equations	4	1	-	-	30	30	40	100	-	-	-	-	100	4	
BSC	230HFSB16_04	Biology for Engineers	2	-	-	-	30	30	40	50	-	-	-	-	50	2	
PCC	230GCMB07_04	Engineering Survey	2	-	-	-	30	30	40	100	-	-	-	-	100	2	
PCC	230GCMB08_04	Structural Analysis	2	-	-	-	30	30	40	100	-	-	-	-	100	2	
PCC	230GCMB09_04	Concrete Engineering	2	-	-	-	30	30	40	50	-	-	-	-	100	2	
MMC	-	Multidisciplinary Minor Course- 2	1	-	2	-	-	-	-	-	-	-	-	-	50	2	
SEC	230GCMB58_04	Computer Aided Building Drawing	2	-	2	-	-	-	-	-	50	50	50	50	100	2	
AEC (HSMC)	230UENB02_04	Communicative Proficiency Skills	1	-	2	-	30	30	40	50	-	-	-	-	100	3	
LC	230GCMB10_04	Engineering Survey Lab	-	-	2	-	-	-	-	-	-	-	-	-	50	2	
LC	230GCMB12_04	Concrete Engineering Lab	-	-	2	-	-	-	-	-	50	50	-	-	50	1	
IITP/ FP/ CEP	230GCMB11_04	Internship / Field Project / Community Engagement Programme	4 to 6 weeks				-	-	-	-	-	50	50	-	-	50	1
<b>TOTAL</b>			<b>16</b>	<b>1</b>	<b>8</b>	<b>0</b>								<b>50</b>	<b>50</b>	<b>50</b>	<b>2</b>
															<b>800</b>	<b>23</b>	



**Note: A Diploma will be awarded if a student exits after second year.**

For "Exit" at the end of "Second Year" the student must complete a total of 8 additional credits.

- a) An internship / OJT of 8 - 10 weeks (4 credits) over and above semester 4 internship of minimum 4 weeks.
- b) Additional one Course of 4 credits (Course offered will be Vocational Skill Course (VSC) or Skill Enhancement Course (SEC) or a mini project).

Sem	Interdisciplinary Open Elective Course	
III (IOC-1)	Course Code	230GCSB19_03
	Course Name	Introduction to Programming Languages

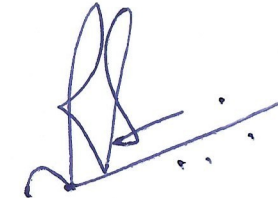
Sem	Multidisciplinary Minor Course	
III (MMC -1)	230GMTB01_03	Sensors and Actuators
	230GCSB134_04	Introduction to Object Oriented Programming



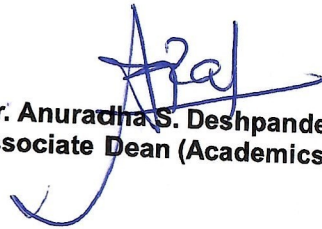
**Ms. Sharayu Kadam**  
Programme Coordinator, BTech- CM



**Dr. M. Nithya**  
Director, School of Civil and Environmental Sciences



**Dr. R. S. Deshpande**  
Dean, Faculty of Science and Technology



**Dr. Anuradha S. Deshpande**  
Associate Dean (Academics)



**Prof. B.B. Ahuja**  
Vice Chancellor, JSPM University Pune



# JSPM University Pune

FACULTY OF SCIENCE & TECHNOLOGY

SCHOOL OF CIVIL AND ENVIRONMENTAL SCIENCES

THIRD YEAR BACHELOR OF TECHNOLOGY (LATERAL ENTRY)  
(CONSTRUCTION MANAGEMENT)

COURSE STRUCTURE  
(NEP 2020 Aligned)

W. E. F

2024-2025

RELEASE DATE

01/07/2024

REVISION NO.

0.0 (NEP)

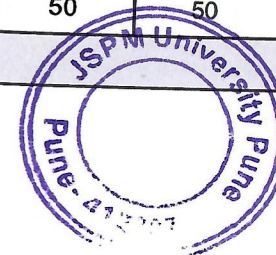
## SEMESTER V (LEVEL 5.5)

COURSE

TEACHING  
SCHEME

EXAMINATION SCHEME AND MARKS

TYPE	CODE	COURSE NAME	Hours / Week				THEORY (Equal Weightage for CIE and ESE)				PRACTICAL (Equal Weightage for CIE and ESE)		ORAL (Equal Weightage for CIE and ESE)		TOTAL	CREDITS
			L	T	P	EL	CONTINUOUS INSEMESTER EVALUATION (100 Marks)			END SEMESTER EXAMINATIO N (100 / 50 Marks)	CONTINUO US INSEMEST ER EVALUATI ON (50 Marks)	END SEMESTER EXAMINATIO N (50 Marks)	CONTINUO US INSEMEST ER EVALUATI ON (50 Marks)	END SEMESTER EXAMINATIO N (50 Marks)		
							T1 (30 Marks)	T2 (30 Marks)	Assign- ments (40 Marks)							
BSC	230GMAB10_05	Foundations of Probability and Statistics	2	1	-	-	30	30	40	100	-	-	-	-	100	3
PCC	230GCMB56_05	Design of Steel Structures	2	1	-	-	30	30	40	100	-	-	-	-	100	3
PCC	230GCMB13_05	Water Supply Engineering	2	-	-	-	30	30	40	50	-	-	-	-	50	2
PCC	230GCMB14_05	Geotechnical Engineering	3	-	-	2	30	30	40	100	-	-	-	-	100	3.5
PEC	-	Programme Elective - I	3	-	-	-	30	30	40	100	-	-	-	-	100	3
IOC	-	Interdisciplinary Open Elective Course- II	2	-	-	-	30	30	40	100	-	-	-	-	100	2
MMC	-	Multidisciplinary Minor Course- III	1	-	2	-	-	-	-	-	-	-	-	-	100	2
VSC	230IINB02_05	Innovation	1	-	-	2	-	-	-	-	50	50	50	50	100	2
LC	230GCMB15_05	Water Supply Engineering Lab	-	-	2	-	-	-	-	-	-	-	50	50	50	1.5
LC	230GCMB16_05	Geotechnical Engineering Lab	-	-	2	-	-	-	-	-	50	50	-	-	50	1
<b>TOTAL</b>			16	2	6	4					50	50	-	-	50	1
															800	22



Sem.	Multidisciplinary Minor Course (MMC)	
V (MMC - III)	Course Code	230GCSB114_05
	Course Name	Python Scripting
VI (MMC - IV)	Course Code	230GMEB52_06
	Course Name	3-D Printing

Sem.	Specialization	Programme Elective Course (PEC)					
		Construction Management	Infrastructure Engineering	Sustainable Construction	Environmental Engineering	Civil Engineering	Water Resources Engineering
V (PEC -I)	Course Code	230GCMB17_05	230GCMB18_05	230GCMB19_05			
	Course Name	Construction Management and Safety	Construction Equipment	Advanced Construction Techniques			
VI (PEC -II)	Course Code	240GCEB32_06	230GCMB27_06	230GCMB28_06	230GCMB29_06	240GCEB35_06	230GCMB31_06
	Course Name	Architecture and Town Planning	Solid Waste Management & Techniques	Climate Change Adaptation and Mitigation	Groundwater Engineering	Retrofitting and Rehabilitation	Hydrology and Water Resource Engineering

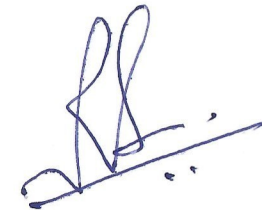
Sem	Interdisciplinary Open Elective Course	
V (IOC - II)	Course Code	240VBBB10_05
	Course Name	Engineering Economics and Financial Management



Ms. Sharayu Kadam  
Programme Coordinator, BTech-CM



Dr. M. Nithya  
Director, School of Civil and Environmental Sciences



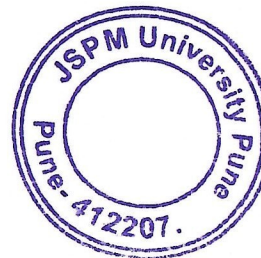
Dr. R. S. Deshpande  
Dean, Faculty of Science and Technology



Dr. Anuradha S. Deshpande  
Associate Dean (Academics)



Prof. B.B. Ahuja  
Vice Chancellor, JSPM University Pune





# JSPM University Pune

FACULTY OF SCIENCE & TECHNOLOGY

SCHOOL OF CIVIL AND ENVIRONMENTAL SCIENCES

THIRD YEAR BACHELOR OF TECHNOLOGY  
(CONSTRUCTION MANAGEMENT)

COURSE STRUCTURE  
(NEP 2020 Aligned)

W. E. F

2024-2025

RELEASE DATE

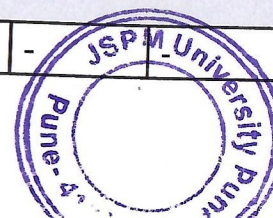
01/07/2024

REVISION NO.

0.0 (NEP)

## SEMESTER VI (LEVEL 5.5)

TYPE	CODE	COURSE NAME	TEACHING SCHEME				EXAMINATION SCHEME AND MARKS								TOTAL	CREDITS	
			Hours / Week				THEORY (Equal Weightage for CIE and ESE)				PRACTICAL (Equal Weightage for CIE and ESE)		ORAL (Equal Weightage for CIE and ESE)				
			L	T	P	EL	CONTINUOUS INSEMESTER EVALUATION (100 Marks)			END SEMESTER EXAMINATION (100 / 50 Marks)	CONTINUOUS INSEMESTER EVALUATION (50 Marks)	END SEMESTER EXAMINATION (50 Marks)	CONTINUOUS INSEMESTER EVALUATION (50 Marks)	END SEMESTER EXAMINATION (50 Marks)			
							T1 (30 Marks)	T2 (30 Marks)	Assignments (40 Marks)								
PCC	230GCMB20_06	Reinforced Concrete Structures Design	2	1	-	-	30	30	40	100	-	-	-	-	100	3	
PCC	230GCMB21_06	Waste Water Engineering	2	-	-	2	30	30	40	100	-	-	-	-	100	2.5	
PCC	230GCMB22_06	Fundamentals of Remote Sensing and GIS	2	-	-	-	30	30	40	50	-	-	-	-	50	2	
PEC	-	Programme Elective - II	3	-	-	-	30	30	40	100	-	-	-	-	100	3	
MMC	-	Multidisciplinary Minor Course- IV	1	-	2	-	-	-	-	-	50	50	50	50	100	2	
HSSM	230VOSB30_06	Fundamentals of Project Management	2	-	-	-	30	30	40	50	-	-	-	-	50	1.5	
VSC	230IESB03_06	Entrepreneurship	1	-	-	2	-	-	-	-	-	-	50	50	50	1.5	
AEC (HSMC)	230UENB03_06	Soft Skill Development	1	-	2	-	30	30	40	50	-	-	-	-	50	2	
LC	230GCMB23_06	Remote Sensing and GIS lab	-	-	2	-	-	-	-	-	50	50	-	-	50	2	
LC	230GCMB24_06	Design of Reinforced Concrete Structures Lab	-	-	2	-	-	-	-	-	50	50	-	-	50	1	
IITP/ FP/ CEP	230GCMB25_06	Internship / Field Project / Community Engagement Programme	4 to 6 weeks				-	-	-	-	-	50	50	-	-	50	1
<b>TOTAL</b>			<b>14</b>	<b>1</b>	<b>8</b>	<b>4</b>	-	-	-	-	-	-	50	50	50	2	
MLC#		Audit Course- I	1	-	-	-	-	-	-	50	-	-	-	-	50	1	



Note: A Bachelor's Degree in Vocation (B. Voc.) or B. Sc. (Engg./Tech.) will be awarded if a student exits after third year.

For "Exit" at the end of "Third Year" the student must complete a total of 8 additional credits.

- a) An internship / OJT of 8 - 10 weeks (4 credits) over and above semester 6 internship of minimum 4 weeks.  
b) Additional one Course of 4 credits (Course offered will be Vocational Skill Course (VSC) or Skill Enhancement Course (SEC) or a mini project).

Sem.	Multidisciplinary Minor Course (MMC)	
V (MMC - III)	Course Code	230GCSB114_05
	Course Name	Python Scripting
VI (MMC - IV)	Course Code	230GMEB52_06
	Course Name	3-D Printing

Sem.	Specialization	Programme Elective Course (PEC)					
		Construction Management	Infrastructure Engineering	Sustainable Construction	Environmental Engineering	Civil Engineering	Water Resources Engineering
V (PEC -I)	Course Code	230GCMB17_05	230GCMB18_05	230GCMB19_05			
	Course Name	Construction Management and Safety	Construction Equipment	Advanced Construction Techniques			
VI (PEC -II)	Course Code	240GCEB32_06	230GCMB27_06	230GCMB28_06	230GCMB29_06	240GCEB35_06	230GCMB31_06
	Course Name	Architecture and Town Planning	Solid Waste Management & Techniques	Climate Change Adaptation and Mitigation	Groundwater Engineering	Retrofitting and Rehabilitation	Hydrology and Water Resource Engineering

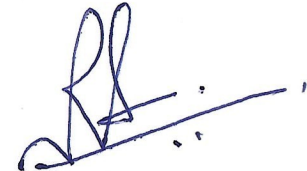
Sem	Interdisciplinary Open Elective Course		Sem	Mandatory Learning Course (MLC*) - Audit Course	
V (IOC - II)	Course Code	240VBBB10_05	VI (Audit Course - I)	Course Code	230GCEB49_06
	Course Name	Engineering Economics and Financial Management		Course Name	Road Safety and Management



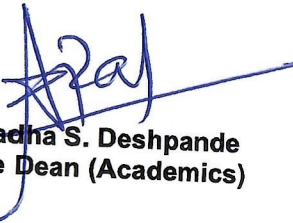
Ms. Sharayu Kadam  
Programme Coordinator, BTech-CM



Dr. M. Nithya  
Director, School of Civil and Environmental Sciences



Dr. R. S. Deshpande  
Dean, Faculty of Science and Technology



Dr. Anuradha S. Deshpande  
Associate Dean (Academics)




Prof. B.B. Ahuja  
Vice Chancellor, JSPM University Pune



# JSPM University Pune

FACULTY OF SCIENCE & TECHNOLOGY

SCHOOL OF CIVIL AND ENVIRONMENTAL SCIENCES

FOURTH YEAR BACHELOR OF TECHNOLOGY (LATERAL ENTRY)  
(CONSTRUCTION MANAGEMENT)

COURSE STRUCTURE  
(NEP 2020 Aligned)

W. E. F

2025-2026

RELEASE DATE

01/07/2025

REVISION NO.

0.0 (NEP)

## SEMESTER VII (LEVEL 6)

### COURSE

### TEACHING SCHEME

### EXAMINATION SCHEME AND MARKS

TYPE	CODE	COURSE NAME	Hours / Week				THEORY (Equal Weightage for CIE and ESE)			PRACTICAL (Equal Weightage for CIE and ESE)		ORAL (Equal Weightage for CIE and ESE)		TOTAL	CREDITS	
			L	T	P	EL	CONTINUOUS INSEMESTER EVALUATION (100 Marks)			END SEMESTER EXAMINATION (100 / 50 Marks)	CONTINUOUS INSEMESTER EVALUATION (50 Marks)	END SEMESTER EXAMINATION (50 Marks)	CONTINUOUS INSEMESTER EVALUATION (50 Marks)			END SEMESTER EXAMINATION (50 Marks)
							T1 (30 Marks)	T2 (30 Marks)	Assignments (40 Marks)							
PCC	230GCMB57_07	Foundation Design Engineering	2	1	-	-	30	30	40	100	-	-	-	-	100	3
PCC	240GCEB20_07	Transportation Engineering	2	-	-	-	30	30	40	50	-	-	-	-	50	2
PCC	230GCMB43_07	Fundamentals of Total Quality Management	2	-	-	-	30	30	40	50	-	-	-	-	50	2
PEC	-	Program Elective- III	3	-	-	-	30	30	40	100	-	-	-	-	50	2
MMC	-	Multidisciplinary Minor Course- V	1	-	2	-	30	30	40	-	-	-	-	100	3	
MMC	-	Multidisciplinary Minor Course- VI	1	-	2	-	30	30	40	-	50	50	50	50	100	2
HSSM	231VBCB27_07	Finance for Engineers	1	-	-	4	-	-	-	-	50	50	50	50	100	2
RMC	230IRMB02_07	Research Methodology, Methods and Techniques	3	-	-	-	30	30	40	100	-	-	50	50	50	2
LC	240GCEB24_07	Transportation Systems Lab	-	-	2	-	-	-	-	-	-	-	-	-	100	3
PROJ	230GCMB42_07	Project Phase-I	-	-	2	4	-	-	-	-	50	50	-	-	50	1
<b>TOTAL</b>			<b>15</b>	<b>1</b>	<b>8</b>	<b>8</b>							<b>50</b>	<b>50</b>	<b>50</b>	<b>2</b>
MLC#	-	Audit Course - II	1	-	-	-	-	-	-	50	-	-	-	-	800	22
															50	1


Sem.	Multidisciplinary Minor Course (MMC)	
V (MMC - III)	Course Code	230GCSB114_05
	Course Name	Python Scripting
VI (MMC - IV)	Course Code	230GMEB52_06
	Course Name	3D Printing
VII (MMC - V)	Course Code	230GETB34_07
	Course Name	Internet of Things and Applications
VII (MMC - VI)	Course Code	230GRAB55_07
	Course Name	Industrial Robots

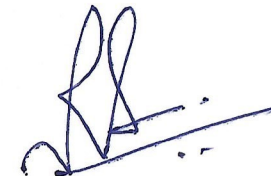
Sem.	Programme Elective Course (PEC)			
	Specialization	Construction Management	Infrastructure Engineering	Sustainable Construction
V (PEC -I)	Course Code	230GCMB17_05	230GCMB18_05	230GCMB19_05
	Course Name	Construction Management and Safety	Construction Equipment	Advanced Construction Techniques
VI (PEC -II)	Course Code	230GCCEB32_06	230GCMB27_06	230GCMB31_06
	Course Name	Architecture and Town Planning	Solid Waste Management and Techniques	Hydrology and Water Resources Engineering
VII (PEC -III)	Course Code	230GCMB32_07	230GCMB33_07	230GCMB35_07
	Course Name	Optimization Techniques	Prestressed Concrete	Air and Noise Pollution Control
VIII (PEC -IV)	Course Code	230GCMB36_08	230GCMB37_08	230GCMB38_08
	Course Name	Water Resources Planning and Management	Infrastructure Engineering	Structural Assessment
VIII (PEC -V)	Course Code	230GCMB39_08	240GCEB31_08	230GCMB41_08
	Course Name	Quantity Surveying, Contracts and Tenders	Introduction to Intelligent Transport System	Strategic Environmental Assessment

Sem	Mandatory Learning Course (MLC*) - Audit Course	
VII (Audit Course - II)	Course Code	230UPOB02_07
	Course Name	Introduction to Indian Constitution

  
**Ms. Sharayu Kadam**  
 Programme Coordinator, BTech-CM

  
**Dr. Anuradha S. Deshpande**  
 Associate Dean (Academics)

  
**Dr. Aniket Patil**  
 Director, School of Civil and Environmental Sciences

  
**Dr. R. S. Deshpande**  
 Dean, Faculty of Science and Technology

  
**Prof. B.B. Ahuja**  
 Vice Chancellor, JSPM University Pune





# JSPM University Pune

FACULTY OF SCIENCE & TECHNOLOGY

SCHOOL OF CIVIL AND ENVIRONMENTAL SCIENCES

FOURTH YEAR BACHELOR OF TECHNOLOGY (LATERAL ENTRY)  
(CONSTRUCTION MANAGEMENT)

COURSE STRUCTURE  
(NEP 2020 Aligned)

W. E. F

2025-2026

RELEASE DATE

01/07/2025

REVISION NO.

0.0 (NEP)

## SEMESTER VIII (LEVEL 6)

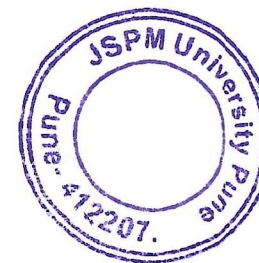
COURSE			TEACHING SCHEME				EXAMINATION SCHEME AND MARKS								TOTAL	CREDITS
TYPE	CODE	COURSE NAME	Hours / Week				THEORY (Equal Weightage for CIE and ESE)				PRACTICAL (Equal Weightage for CIE and ESE)		ORAL (Equal Weightage for CIE and ESE)			
			L	T	P	EL	CONTINUOUS INSEMESTER EVALUATION (100 Marks)			END SEMESTER EXAMINATION (100 / 50 Marks)	CONTINUOUS INSEMESTER EVALUATION (50 Marks)	END SEMESTER EXAMINATION (50 Marks)	CONTINUOUS INSEMESTER EVALUATION (50 Marks)	END SEMESTER EXAMINATION (50 Marks)		
							T1 (30 Marks)	T2 (30 Marks)	Assignments (40 Marks)							
PEC	-	Program Elective-IV/MOOCs	3	-	-	-	30	30	40	100	-	-	-	-	100	3
PEC	-	Program Elective-V/ MOOCs	3	-	-	-	30	30	40	100	-	-	-	-	100	3
PROJ	230GCMB55_08	Project Phase- II	-	-	10	20	-	-	-	-	150	150	100	100	250	10
<b>TOTAL</b>			<b>6</b>	<b>-</b>	<b>10</b>	<b>20</b>									<b>450</b>	<b>16</b>

Note: A Bachelor's Degree in Vocation (B. Voc.) or B. Sc. (Engg./Tech.) will be awarded if a student exits after third year.

For "Exit" at the end of "Third Year" the student must complete a total of 8 additional credits.

a) An internship / OJT of 8 - 10 weeks (4 credits) over and above semester 6 internship of minimum 4 weeks.


b) Additional one Course of 4 credits (Course offered will be Vocational Skill Course (VSC) or Skill Enhancement Course (SEC) or a mini project).

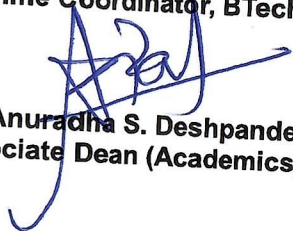



Sem.	Multidisciplinary Minor Course (MMC)	
V (MMC - III)	Course Code	230GCSB114_05
	Course Name	Python Scripting
VI (MMC - IV)	Course Code	230GMEB52_06
	Course Name	3D Printing
VII (MMC - V)	Course Code	230GETB34_07
	Course Name	Internet of Things and Applications
VII (MMC - VI)	Course Code	230GRAB55_07
	Course Name	Industrial Robots

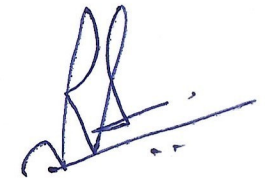
Sem.	Programme Elective Course (PEC)			
	Specialization	Construction Management	Infrastructure Engineering	Sustainable Construction
V (PEC -I)	Course Code	230GCMB17_05	230GCMB18_05	230GCMB19_05
	Course Name	Construction Management and Safety	Construction Equipment	Advanced Construction Techniques
VI (PEC -II)	Course Code	230GCCEB32_06	230GCMB27_06	230GCMB31_06
	Course Name	Architecture and Town Planning	Solid Waste Management and Techniques	Hydrology and Water Resources Engineering
VII (PEC -III)	Course Code	230GCMB32_07	230GCMB33_07	230GCMB35_07
	Course Name	Optimization Techniques	Prestressed Concrete	Air and Noise Pollution Control
VIII (PEC -IV)	Course Code	230GCMB36_08	230GCMB37_08	230GCMB38_08
	Course Name	Water Resources Planning and Management	Infrastructure Engineering	Structural Assessment
VIII (PEC -V)	Course Code	230GCMB39_08	240GCEB31_08	230GCMB41_08
	Course Name	Quantity Surveying, Contracts and Tenders	Introduction to Intelligent Transport System	Strategic Environmental Assesment

Sem	Mandatory Learning Course (MLC*) - Audit Course	
VII (Audit Course - II)	Course Code	230UPOB02_07
	Course Name	Introduction to Indian Constitution

  
**Ms. Sharayu Kadam**  
 Programme Coordinator, BTech-CM

  
**Dr. Anuradha S. Deshpande**  
 Associate Dean (Academics)

  
**Dr. Aniket Patil**  
 Director, School of Civil and Environmental Sciences

  
**Dr. R. S. Deshpande**  
 Dean, Faculty of Science and Technology

  
**Prof. B.B. Ahuja**  
 Vice Chancellor, JSPM University Pune

