



# TULSIRAMJI GAIKWAD-PATIL College of Engineering & Technology

Mohgaon, Wardha Road, Nagpur - 441 108



## Bachelor of Technology SoE and Syllabus 2025-26 (NEW NEP-2020 Scheme)

(Department of Civil Engineering)

### Vision of Institute

To emerge as a learning Center of Excellence in the National Ethos in domains of Science, Technology and Management.

### Mission of Institute

- M1- To strive for rearing standard and stature of the students by practicing high standards of professional ethics, transparency and accountability.
- M2- To provide facilities and services to meet the challenges of Industry and Society.
- M3- To facilitate socially responsive research, innovation and Entrepreneurship.
- M4- To ascertain holistic development of the students and staff members by inculcating knowledge and profession as work practices.



# TULSIRAMJI GAIKWAD-PATIL COLLEGE OF ENGINEERING & TECHNOLOGY

Wardha Road, Nagpur - 441108  
Accredited with NAAC A+ Grade & NBA Accredited (EE, ME, CE & ECE)  
Approved by AICTE, New Delhi, Govt. of Maharashtra  
(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)



## Department of Basic Sciences and Humanities

### Scheme of Instruction for First Year of B. Tech. (UG) Programme Group-B Semester – I (AE/CE/ME)

SN	Sem	Type	BoS/ Dept	Sub. Code	Subject	T/P	Contact Hours				Credits	% Weightage				ESE Duration Hours
							L	P	SL	Hrs		CT/A	CA	ESE	TOTAL	
<b>FIRST SEMESTER (GROUP-B)</b>																
1	1	BSC	S&H	BSH41101	Linear Algebra and Calculus	T	4	0	2	6	4	30	10	60	100	3
2	1	BSC	S&H	BSH41106	Chemical Process in Engineering	T	3	0	2	5	3	30	10	60	100	3
3	1	BSC	S&H	BSH41107	Chemical Process in Engineering-Lab	P	0	2	-	2	1	25	-	25	50	-
4	1	ESC	CE	BCE41101	Engineering Mechanics	T	3	0	2	5	3	30	10	60	100	3
5	1	IKS	S&H	BSH41204	Indian Ancient Technology	T	2	0	2	4	2	15	5	30	50	1
6	1	ESC	ME	BME41101	IDEA-Lab & Engineering Workshop	P	0	4	-	4	2	50	-	-	50	-
7	1	ESC	CE	BCE41102	Environment Sustainability -Lab	P	0	2	-	2	1	25	-	25	50	-
8	1	VSEC	CSE	BCE41104	Fundamentals of Computer-Lab	P	0	2	-	2	1	25	-	25	50	-
9	1	VSEC	S&H	BSH41205	Social Internship	P	0	2	-	2	1	25	-	-	25	-
10	1	PCC	AE/ ME/ CE	BAE41101/ BME41102 BCE41103	Basics of Aircraft Design-Lab / CNC Machine and Programming-Lab / Building Maintenance -Lab	P	0	4	-	4	2	25	-	25	50	-
11	1	CC	S&H	BSH41X01	Liberal Learning Module-I	P	0	4	-	4	2	50	-	-	50	-
<b>TOTAL FIRST SEM</b>							12	20	06	40	22	330	35	310	675	10

<b>SECOND SEMESTER (GROUP-B)</b>																
1	2	BSC	S&H	BSH41201	Differential Equation and Statistics	T	4	0	2	6	4	30	10	60	100	3
2	2	BSC	S&H	BSH41206	Solid State Physics & Optics	T	3	0	2	5	3	30	10	60	100	3
3	2	BSC	S&H	BSH41210	Solid State Physics & Optics-Lab	P	0	2	-	2	1	25	-	25	50	-
4	2	ESC	EE	BEE41201	Principle of Electrical Engineering	T	3	0	2	5	3	30	10	60	100	3
5	2	ESC	EE	BEE41202	Principle of Electrical Engineering -Lab	P	0	2	-	2	1	25	-	25	50	-
6	2	ESC	ME	BME41202	Engineering & Computer Graphics	T	2	0	2	4	2	15	5	30	*50	1
7	2	ESC	IT	BIT41205	C++ Language -Lab	P	0	2	2	4	1	25	-	25	50	-
8	2	VSEC	CE	BCE41201	Computer Aided Drawing-Lab	P	0	2	-	2	1	25	-	25	50	-
9	2	VSEC	S&H	BSH41105	Professional Etiquette	P	0	2	-	2	1	25	-	-	25	-
10	2	AEC	S&H	BSH41104	Digital Wellness & Basic Communication Lab	P	0	4	-	4	2	50	-	-	50	-
11	2	CC	S&H	BSH41Y01	Liberal Learning Module-II	P	0	4	-	4	2	50	-	-	50	-
<b>TOTAL SECOND SEM</b>							12	18	10	40	21	330	35	310	675	10

Course Category	BSC/ESC (Basic Science Course/ Engineering Science Course.)	PCC (Programme Core courses)	Multidisciplinary courses	VSEC (Skill Course)	Social Science & Management		Experiential Learning Courses	CC (Co- Curricular Courses)
					AEC (Ability Enhancement Course)	IKS (Indian Knowledge System)		
Credits SEM-I	08 / 06	-	-	02	02	-	-	02
Credits SEM-II	08 / 07	02	-	02	-	02	-	02
Cumulative Sum	16 / 13	02	-	04	02	02	-	04

PROGRESSIVE TOTAL CREDITS: 22+21=43

				July, 2025	4.00	Applicable for AY 2025-26 Onwards
Chairperson	Dean Academics	Vice Principal	Principal	Date of Release	Version	

# Tulsiramji Gaikwad-Patil College of Engineering & Technology, Nagpur

(An Autonomous Institution Affiliated to RTM Nagpur University, Nagpur)

## SCHEME OF INSTRUCTION & SYLLABI

Programme: Civil Engineering

Scheme of Instructions: Second Year B.Tech. in Civil Engineering (As Per NEW NEP-2020 Scheme)

Semester – III

SN	Sem	Type	BoS/ Dept	Sub Code	Subject	T/P	Contact Hours			Credits	% Weightage			ESE Duration	Total Marks
							L	P	Hrs.		CT/IA	CA	ESE		
1	III	PCC	CE	BCE42301	Mechanics of Solids	T	3	0	3	3	30	10	60	3 Hrs.	100
2	III	PCC	CE	BCE42302	Fluid Mechanics	T	3	0	3	3	30	10	60	3 Hrs.	100
3	III	MDM	CE	BCE42306	Idea lab – Digital Construction (3DS Max) & Additive Prototyping	P	0	4	4	2	-	50	50	-	100
4	III	HSSM	SH	BSH42302	Numerical Methods for Engineers	T	2	0	2	2	14	06	30	2 Hrs.	50
5	III	VEC	CE	BCE42308	Sustainable Development Goals	T	2	0	2	2	14	06	30	2 Hrs.	50
6	III	OEC		B\$\$423XX	Open Elective-I	T	4	0	4	4	30	10	60	3 Hrs.	100
7	III	PCC	CE	BCE42303	Mechanics of Solids - Lab	P	0	2	2	1	-	25	25	-	50
8	III	PCC	CE	BCE42304	Fluid Mechanics - Lab	P	0	2	2	1	-	25	25	-	50
9	III	AEC	CE	BCE42307	Liberal Learning Module-3	P	0	2	2	1	-	50	-	-	50
10	III	CEP	CE	BCE42305	Field Project	P	0	4	4	2	-	50	-	-	50
							<b>14</b>	<b>14</b>	<b>28</b>	<b>21</b>	<b>118</b>	<b>242</b>	<b>340</b>	<b>13 Hrs.</b>	<b>700</b>

Course Category	BSC/ ESC (Basic Science Course/ Engineering Science Course.)	PCC (Programme Core courses)	PEC (Programme Elective courses)	Multidisciplinary courses	SEC (Skill Course)	Humanities Social Science & Management	Experiential Learning Courses	CC (Liberal Learning Courses)
Credits (3 <sup>rd</sup> sem)	--	08	--	06	--	05	02	--
Cumulative Sum	16 / 13	10	--	06	04	09	02	04

**PROGRESSIVE TOTAL CREDITS: 43+21=64**

				Jul, 2025	4.00	Applicable for AY 2025-26 Onwards
Chairperson	Vice Principal/ Director Academics	Director Administration	Principal	Date of Release	Version	

H.O.D.  
Department of Civil Engineering  
T.G.P.C.E.T.Nagpur.

Director Academics  
Tulsiramji Gaikwad-Patil  
College Of Engineering  
And Technology, Nagpur

Principal  
Tulsiramji Gaikwad-Patil  
College Of Engineering &  
Technology. Nagpur

**Tulsiramji Gaikwad-Patil College of Engineering & Technology, Nagpur**  
(An Autonomous Institution Affiliated to RTM Nagpur University, Nagpur)

**SCHEME OF INSTRUCTION & SYLLABI**

**Programme: Civil Engineering**

**Scheme of Instructions: Second Year B.Tech. in Civil Engineering (As Per NEW NEP-2020 Scheme)**

**Semester – IV**

SN	Sem	Type	BoS/ Dept	Sub Code	Subject	T/P	Contact Hours			Credits	% Weightage			ESE Duration	Total Marks
							L	P	Hrs.		CT/IA	CA	ESE		
1	IV	PCC	CE	BCE42401	Structural Analysis	T	3	0	3	3	30	10	60	3 Hrs.	100
2	IV	PCC	CE	BCE42402	Surveying	T	3	0	3	3	30	10	60	3 Hrs.	100
3	IV	PCC	CE	BCE42403	Concrete Technology	T	3	0	3	3	30	10	60	3 Hrs.	100
4	IV	MDM	ECE	BEC42406	Instrumentation & Sensor Technologies for Engineering Applications	T	2	0	2	2	14	06	30	2 Hrs.	50
5	IV	OEC		B\$\$424XX	Open Elective-II	T	2	0	2	2	14	06	30	2 Hrs.	50
6	IV	HSSM	CE	BCE42404	Project Management	T	2	0	2	2	14	06	30	2 Hrs.	50
7	IV	PCC	CE	BCE42405	Surveying - Lab	P	0	2	2	1	-	25	25	-	50
8	IV	VSEC	CE	BCE42406	Structural Software Training	P	0	4	4	2	-	50	50	-	100
9	IV	AEC	CE	BCE42407	Liberal Learning Module-4	P	0	2	2	1	-	50	-	-	50
10	IV	VEC	CE	BCE42408	Introduction to Earth Sciences	P	0	4	4	2	-	50	50	-	100
							<b>15</b>	<b>12</b>	<b>27</b>	<b>21</b>	<b>132</b>	<b>223</b>	<b>395</b>	<b>15 Hrs.</b>	<b>750</b>

Course Category	BSC/ ESC (Basic Science Course/ Engineering Science Course.)	PCC (Programme Core courses)	PEC (Programme Elective courses)	Multidisciplinary courses	SEC (Skill Course)	Humanities Social Science & Management	Experiential Learning Courses	CC (Liberal Learning Courses)
Credits (4 <sup>th</sup> sem)	--	10	--	04	02	05	--	--
Cumulative Sum	16 / 13	20	--	10	06	14	02	04

**PROGRESSIVE TOTAL CREDITS: 64+21=85**

				Jul, 2025	4.00	Applicable for AY 2025-26 Onwards
Chairperson	Vice Principal/ Director Academics	Director Administration	Principal	Date of Release	Version	

H.O.D.  
Department of Civil Engineering  
T.G.P.C.E.T. Nagpur

Director Academics  
Tulsiramji Gaikwad-Patil  
College Of Engineering  
And Technology, Nagpur

Principal  
Tulsiramji Gaikwad-Patil  
College Of Engineering &  
Technology, Nagpur

# Tulsiramji Gaikwad-Patil College of Engineering & Technology, Nagpur

(An Autonomous Institution Affiliated to RTM Nagpur University, Nagpur)

## SCHEME OF INSTRUCTION & SYLLABI

Programme: Civil Engineering

Scheme of Instructions: Third Year B.Tech. in Civil Engineering (As Per NEW NEP-2020 Scheme)

Semester – V

SN	Sem	Type	BoS/ Dept	Sub Code	Subject	T/P	Contact Hours			Credits	% Weightage			ESE Duration	Total Marks
							L	P	Hrs.		CT/IA	CA	ESE		
1	V	PCC	CE	BCE43501	Design of Steel Structures	T	3	0	3	3	30	10	60	3 Hrs.	100
2	V	PCC	CE	BCE43502	Environmental Engineering	T	3	0	3	3	30	10	60	3 Hrs.	100
3	V	PCC	CE	BCE43503	Geotechnical Engineering	T	3	0	3	3	30	10	60	3 Hrs.	100
4	V	PEC	CE	BCE43506-09	Program Elective – I	T	3	0	3	3	30	10	60	3 Hrs.	100
5	V	MDM	IT	BIT43516	Cyber Security & Laws	T	4	0	4	4	30	10	60	3 Hrs.	100
6	V	OEC		B\$\$435XX	Open Elective-III	T	2	0	2	2	14	06	30	2 Hrs.	50
7	V	PCC	CE	BCE43504	Environmental Engineering - Lab	P	0	2	2	1	-	25	25	-	50
8	V	PCC	CE	BCE43505	Geotechnical Engineering - Lab	P	0	2	2	1	-	25	25	-	50
							<b>18</b>	<b>4</b>	<b>22</b>	<b>20</b>	<b>164</b>	<b>106</b>	<b>380</b>	<b>17 Hrs.</b>	<b>650</b>

Course Category	BSC/ ESC (Basic Science Course/ Engineering Science Course.)	PCC (Programme Core courses)	PEC (Programme Elective courses)	Multidisciplinary courses	SEC (Skill Course)	Humanities Social Science & Management	Experiential Learning Courses	CC (Liberal Learning Courses)
Credits (5 <sup>th</sup> sem)	--	11	03	06	--	--	--	--
Cumulative Sum	16 / 13	31	03	16	06	14	02	04

**PROGRESSIVE TOTAL CREDITS: 85+20=105**

				Jul, 2025	4.00	Applicable for AY 2025-26 Onwards
Chairperson	Vice Principal/ Director Academics	Director Administration	Principal	Date of Release	Version	

H.O.D.

**Director Academics**

Department of Civil Engineering  
T.G.P.C.E.T.Nagpur.

**Tulsiramji Gaikwad-Patil  
College Of Engineering  
And Technology, Nagpur**

**Principal**

**Tulsiramji Gaikwad-Patil  
College Of Engineering &  
Technology. Nagpur**

# Tulsiramji Gaikwad-Patil College of Engineering & Technology, Nagpur

(An Autonomous Institution Affiliated to RTM Nagpur University, Nagpur)

## SCHEME OF INSTRUCTION & SYLLABI

Programme: Civil Engineering

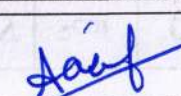



Scheme of Instructions: Third Year B.Tech. in Civil Engineering (As Per NEW NEP-2020 Scheme)

Semester – VI

SN	Sem	Type	BoS/ Dept	Sub Code	Subject	T/P	Contact Hours			Credits	% Weightage			ESE Duration	Total Marks
							L	P	Hrs.		CT/IA	CA	ESE		
1	VI	PCC	CE	BCE43601	Reinforced Cement Concrete Structures	T	3	0	3	3	30	10	60	3 Hrs.	100
2	VI	PCC	CE	BCE43602	Transportation Engineering	T	3	0	3	3	30	10	60	3 Hrs.	100
3	VI	PCC	CE	BCE43603	Irrigation Engineering	T	2	0	2	2	14	06	30	2 Hrs.	50
4	VI	PEC	CE	BCE43606-09	Program Elective – II	T	3	0	3	3	30	10	60	3 Hrs.	100
5	VI	PEC	EE	BCE43610-13	Program Elective – III	T	3	0	3	3	30	10	60	3 Hrs.	100
6	VI	MDM	CE	BEE43613	Green Energy Technology	T	2	0	2	2	14	06	30	2 Hrs.	50
7	VI	PCC	CE	BCE43604	Transportation Engineering - Lab	P	0	2	2	1	-	25	25	-	50
8	VI	PCC	CE	BCE43605	Concrete Testing Lab	P	0	2	2	1	-	25	25	-	50
9	VI	PCC	CE	BCE43614	Geomatics Lab	P	0	2	2	1	-	25	25	-	50
10	VI	VSEC	CE	BCE43615	Building Information Modelling and Management	P	0	2	2	1	-	25	25	-	50
11	VI	PROJ	CE	BCE43616	Mini Project	P	0	2	2	1	-	25	25	-	50
							<b>16</b>	<b>10</b>	<b>26</b>	<b>21</b>	<b>148</b>	<b>177</b>	<b>425</b>	<b>16 Hrs.</b>	<b>750</b>

Course Category	BSC/ ESC (Basic Science Course/ Engineering Science Course.)	PCC (Programme Core courses)	PEC (Programme Elective courses)	Multidisciplinary courses	SEC (Skill Course)	Humanities Social Science & Management	Experiential Learning Courses	CC (Liberal Learning Courses)
Credits (6 <sup>th</sup> sem)	--	11	06	02	01	--	01	--
Cumulative Sum	16 / 13	42	09	18	07	14	03	04

**PROGRESSIVE TOTAL CREDITS: 105+21=126**

				Jul, 2025	4.00	Applicable for AY 2025-26 Onwards
Chairperson	Vice Principal/ Director Academics	Director Administration	Principal	Date of Release	Version	

H.O.D.  
Department of Civil Engineering  
T.C. P. C. E. T.

Director Academics  
Tulsiramji Gaikwad-Patil  
College Of Engineering  
& Technology, Nagpur

Principal  
Tulsiramji Gaikwad-Patil  
College Of Engineering &  
Technology, Nagpur

**Tulsiramji Gaikwad-Patil College of Engineering & Technology, Nagpur**  
(An Autonomous Institution Affiliated to RTM Nagpur University, Nagpur)

**SCHEME OF INSTRUCTION & SYLLABI**

**Programme: Civil Engineering**

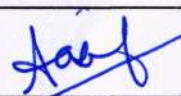


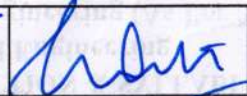
**Scheme of Instructions: Fourth Year B.Tech. in Civil Engineering (As Per NEW NEP-2020 Scheme)**

**Semester – VII**

SN	Sem	Type	BoS/ Dept	Sub Code	Subject	T/P	Contact Hours			Credits	% Weightage			ESE Duration	Total Marks
							L	P	Hrs.		CT/IA	CA	ESE		
1	VII	PCC	CE	BCE44701	Estimating & Costing	T	4	0	4	4	30	10	60	3 Hrs.	100
2	VII	PEC	CE	BCE44702-05	Program Elective – IV	T	4	0	4	4	30	10	60	3 Hrs.	100
3	VII	PEC	CE	BCE44706-09	Program Elective – V	T	3	0	3	3	30	10	60	3 Hrs.	100
4	VII	MDM	BA	BBA44701	Professional Practices, Laws & Ethics	T	4	0	4	4	30	10	60	3 Hrs.	100
5	VII	PCC	CE	BCE44711	Foundation Engineering	T	3	0	3	3	30	10	60	3 Hrs.	100
6	VII	PCC	CE	BCE44712	Construction Management	T	3	0	3	3	30	10	60	3 Hrs.	100
7	VII	PROJ	CE	BCE44710	Project	P	0	6	6	3	-	50	50	-	100
							<b>21</b>	<b>6</b>	<b>27</b>	<b>24</b>	<b>180</b>	<b>110</b>	<b>410</b>	<b>18 Hrs.</b>	<b>700</b>

Course Category	BSC/ ESC (Basic Science Course/ Engineering Science Course.)	PCC (Programme Core courses)	PEC (Programme Elective courses)	Multidisciplinary courses	SEC (Skill Course)	Humanities Social Science & Management	Experiential Learning Courses	CC (Liberal Learning Courses)
Credits (7 <sup>th</sup> sem)	--	10	07	04	--	--	03	--
Cumulative Sum	16 / 13	52	16	22	07	14	06	04

**PROGRESSIVE TOTAL CREDITS: 126+24=150**

				Jul, 2025	4.00	Applicable for AY 2025-26 Onwards
Chairperson	Vice Principal/ Director Academics	Director Administration	Principal	Date of Release	Version	

**H.O.D.**  
Department of Civil Engineering  
T.G.P.C.E.T.Nagpur.

**Director Academics**  
Tulsiramji Gaikwad-Patil  
College Of Engineering  
And Technology, Nagpur

**Principal**  
Tulsiramji Gaikwad-Patil  
College Of Engineering &  
Technology, Nagpur

## Tulsiramji Gaikwad-Patil College of Engineering & Technology, Nagpur

(An Autonomous Institution Affiliated to RTM Nagpur University, Nagpur)

### SCHEME OF INSTRUCTION & SYLLABI

Programme: Civil Engineering

Scheme of Instructions: Fourth Year B.Tech. in Civil Engineering (As Per NEW NEP-2020 Scheme)

Semester – VIII

SN	Sem	Type	BoS/ Dept	Sub Code	Subject	T/P	Contact Hours			Credits	% Weightage			ESE Duration	Total Marks
							L	P	Hrs.		CT/IA	CA	ESE		
1	VIII	RM	ME	BME34802	Research Methodology	T	4	0	4	4	30	10	60	3 Hrs.	100
2	VIII	OJT	CE	BCE34803	Internship / On Job Training	P	0	24	24	12	-	50	50	-	100
							<b>4</b>	<b>24</b>	<b>28</b>	<b>16</b>	<b>30</b>	<b>60</b>	<b>110</b>	<b>3 Hrs,</b>	<b>200</b>

Course Category	BSC/ ESC (Basic Science Course/ Engineering Science Course.)	PCC (Programme Core courses)	PEC (Programme Elective courses)	Multidisciplinary courses	SEC (Skill Course)	Humanities Social Science & Management	Experiential Learning Courses	CC (Liberal Learning Courses)
Credits (8 <sup>th</sup> sem)	--	--	--	--	--	--	16	--
Cumulative Sum	16 / 13	52	16	22	07	14	22	04

**PROGRESSIVE TOTAL CREDITS: 150+16=166**

				Jul, 2025	4.00	Applicable for AY 2025-26 Onwards
Chairperson	Vice Principal/ Director Academics	Director Administration	Principal	Date of Release	Version	

H.O.D.  
Department of Civil Engineering  
T.G.P.C.E.T Nagpur

Director Academics  
Tulsiramji Gaikwad-Patil  
College Of Engineering  
And Technology, Nagpur

Principal  
Tulsiramji Gaikwad-Patil  
College Of Engineering &  
Technology, Nagpur

**Tulsiramji Gaikwad-Patil College of Engineering & Technology, Nagpur**  
(An Autonomous Institution Affiliated to RTM Nagpur University, Nagpur)

**Program: Civil Engineering**  
List of Program Electives offered By Civil Engineering Department

Program Elective- I	Program Elective-II	Program Elective- III	Program Elective- IV	Program Elective- V
Semester V	Semester VI	Semester VI	Semester VII	Semester VII
BCE43506-Water Resources Engineering	BCE43606-Rural Water Supply and Sanitation	BCE43610- Building Construction Practice	BCE44702-Pavement Design	BCE44706-High Rise Structures
BCE43507-Water Quality Engineering	BCE43607-Environmental Laws and Policy	BCE43611- Advanced Building Construction Methods	BCE44703-Urban Transportation Planning	BCE44707-Industrial Structures
BCE43508-Surface Hydrology	BCE43608-Solid and Hazardous Waste Management	BCE43612- Structural Audit & Retrofitting of Structures	BCE44704-Airport Planning and Design	BCE44708-Prestressed Concrete
BCE43509-Flood Control & Drainage Engineering	BCE43609-Air and Noise Pollution Control	BCE43613- Cement Manufacturing Technology & Equipment	BCE44705-High Speed Rail Engineering	BCE44709-Earthquake Engineering

List of Open Electives offered By Civil Engineering Department

Open Elective-I	Open Elective-II	Open Elective-III
Semester-III	Semester-IV	Semester-V
BCE42306: Green Structures and Smart Cities	BCE42406: Plastic Waste Management	BCE43510: Railways & Airport Engineering

List of Multidisciplinary Minor Courses offered By Civil Engineering Department

SN	Sem	Type	BoS/ Dept	Sub. Code	Subject
1.	III	MDM-I	S&H	BSH42302	Numerical Methods for Engineers
2.	IV	MDM-II	ECE	BEC42406	Instrumentation & Sensor Technologies for Civil Engineering Applications
3.	V	MDM-III	IT	BIT43516	Cyber Security & Laws
4.	VI	MDM-IV	EE	BEE43613	Green Energy Technology
5.	VIII	MDM-V	BA	BBA44801	Professional Practices, Laws & Ethics

				Jul, 2025	4.00	Applicable for AY 2025-26 Onwards
Chairperson	Vice Principal/ Director Academics	Director Administration	Principal	Date of Release	Version	

H.O.D.  
Department of Civil Engineering  
T.C.P.C.E.T Nagpur  
Tulsiramji Gaikwad-Patil  
College Of Engineering  
And Technology, Nagpur

Tulsiramji Gaikwad-Patil  
College Of Engineering &  
Technology, Nagpur

# Tulsiramji Gaikwad-Patil College of Engineering & Technology, Nagpur

(An Autonomous Institution Affiliated to RTM Nagpur University, Nagpur)

## Program: Civil Engineering

Course Category	BSC (Basic Science Course)	ESC (Engineering Science Course.)	PCC (Program Core courses)	PEC (Program Elective courses)	Multidisciplinary courses	VSEC (Skill Course)	Humanities Social Science & Management	Experiential Learning Courses	CC (Liberal Learning Courses)	Semester Wise Credits
<b>Semester -I</b>	08	06	--	--	--	02	02	--	02	<b>20</b>
<b>Semester -II</b>	08	07	02	--	--	02	02	--	02	<b>23</b>
<b>Semester -III</b>	--	--	08	--	06	--	05	02	--	<b>21</b>
<b>Semester -IV</b>	--	--	10	--	04	02	05	--	--	<b>21</b>
<b>Semester -V</b>	--	--	11	03	06	--	--	--	--	<b>20</b>
<b>Semester -VI</b>	--	--	11	06	02	01	--	01	--	<b>21</b>
<b>Semester -VII</b>	--	--	10	07	04	--	--	03	--	<b>24</b>
<b>Semester -VIII</b>	--	--	--	--	--	--	--	16	--	<b>16</b>
<b>Cumulative Sum</b>	<b>16</b>	<b>13</b>	<b>52</b>	<b>16</b>	<b>22</b>	<b>07</b>	<b>14</b>	<b>22</b>	<b>04</b>	<b>166</b>

				Jul, 2025	4.00	Applicable for AY 2025-26 Onwards
Chairperson	Vice Principal/ Director Academics	Director Administration	Principal	Date of Release	Version	

**H.O.D.**  
 Department of Civil Engineering  
 T.G.P.C.E.T. Nagpur.

**Director Academics**  
 Tulsiramji Gaikwad-Patil  
 College Of Engineering  
 And Technology, Nagpur

**Principal**  
 Tulsiramji Gaikwad-Patil  
 College Of Engineering &  
 Technology, Nagpur