

**MVN University,  
Palwal**

**M. Tech. Civil Engineering  
(Regular) (w.e.f.- 2013)**

MVN University, Palwal

M. Tech. Civil Engineering (w.e.f.- 2013)

Sr. No.	Course Name	Credits	No. of Courses Offered					Total Credits
			I Sem	II Sem	III Sem	IV Sem	Total	
1	<b>Core courses</b>							
	<b>Theory</b>	<b>4</b>	3	3	0	0	<b>6</b>	24
	<b>Laboratory</b>	<b>2</b>	0	1	1	0	<b>2</b>	4
2	<b>Elective</b>	<b>4</b>	1	2	1	0	<b>4</b>	16
3	<b>Mandatory Courses</b>							
	<b>Seminar</b>	<b>1</b>	0	1	1	0	<b>2</b>	2
	<b>Comprehensive Viva Voce</b>	<b>2</b>	0	0	1	0	<b>1</b>	2
	<b>Project Work</b>	<b>4</b>	0	0	1	0	<b>1</b>	4
4	<b>Dissertation</b>	<b>10</b>	0	0	1	1	<b>2</b>	20
	<b>Grand Total</b>		<b>4</b>	<b>7</b>	<b>6</b>	<b>1</b>	<b>18</b>	<b>72</b>

SCHEME OF EXAMINATION ( Mtech- 1 <sup>st</sup> Semester)							
S. No	Name of the Paper	Code	Teaching Schedule				Credit
			L	T	P	TotalHrs	
1	<b>Elasticity and Plasticity (E&amp;P)</b>	CEL501	4	0	0	4	4
2	<b>Advanced Structural Analysis (ASA)</b>	CEL503	4	0	0	4	4
3	<b>Numerical Techniques (NT)</b>	AHL507	4	0	0	4	4
4	<b>Elective I</b>		4	0	0	4	4
	<b>Total</b>		<b>16</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>16</b>

SCHEME OF EXAMINATION ( Mtech- 2 <sup>nd</sup> Semester)							
S. No	Name of the Paper	Code	Teaching Schedule				Credit
			L	T	P	TotalHrs	
1	<b>Advanced Concrete Design (ACD)</b>	CEL502	4	0	0	4	4
2	<b>Pavement Analysis and Design (PAD)</b>	CEL504	4	0	0	4	4
3	<b>Structural Dynamics (SD)</b>	CEL506	4	0	0	4	4
4	<b>Elective II (E II)</b>		4	0	0	4	4
5	<b>Elective III (E III)</b>		4	0	0	4	4
6	<b>Seminar I (S 1)</b>	CEC 508	0	0	2	2	1
7	<b>Structural Engineering Lab (SE LAB)</b>	CEP 510	0	0	3	3	2
	<b>Total</b>		<b>20</b>	<b>0</b>	<b>5</b>	<b>25</b>	<b>23</b>

SCHEME OF EXAMINATION ( Mtech- 3 <sup>rd</sup> Semester)							
S. No	Name of the Paper	Code	Teaching Schedule				Credit
			L	T	P	TotalHrs	
1	Elective IV (E IV)		4	0	0	4	4
2	Seminar II (S II)	CEC601	0	0	2	2	1
3	CAD Lab (C LAB)	CEP603	0	0	3	3	2
4	Comprehensive Viva Voce (CVV)	CEV605	0	0	0	0	2
5	Project Work (PW)	CED607	0	0	8	8	4
6	Dissertation Part I (DP I)	CED609	0	0	20	20	10
	<b>Total</b>		<b>4</b>	<b>0</b>	<b>33</b>	<b>33</b>	<b>23</b>

SCHEME OF EXAMINATION ( Mtech- 4 <sup>th</sup> Semester)							
S. No	Name of the Paper	Code	Teaching Schedule				Credit
			L	T	P	TotalHrs	
1	Dissertation Part II (DP II)	CED602	0	0	20	20	10
	<b>Total</b>		<b>0</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>10</b>

ELECTIVE I (E I) (Any one)	ELECTIVE II (E II) (Any one)
Urban Transportation Planning and Simulation (UTPS) (CEL505)	Advanced Foundation Engineering (AFE) (CEL 512)
Repairs and Rehabilitation of Structure (RRS) (CEL507)	Advanced Bridge Engineering (ABE) (CEL 514)
Construction Planning and Management (CPM) (CEL509)	Civil Engineering Material(CEM) (CEL 516)

ELECTIVE III (E III) (Any one)	ELECTIVE IV (E IV) (Any one)
Design of Prestress Concrete(DPCS) (CEL 518)	Shell Structures (SS) (CEL 611)
Stability Analysis of Structures (SAS) (CEL 520)	High Rise Structures (HRS) (CEL 613)
Traffic System Design (TSD) (CEL 522)	Offshore Structures (OSS) (CEL 615)

**Note:**

1. In case of Seminar, 01 Hour / week / student should be considered for the calculation of load of a teacher.
2. In case of Dissertation I, 02 Hour / week / student should be considered for the calculation of load of a teacher.
3. In case of Dissertation II, 02 Hour / week / student should be considered for the calculation of load of a teacher.
4. In case of Project work, 02 Hour / week / student should be considered for the calculation of load of a teacher.