

## BVM Engineering College (An Autonomous Institution)

## Civil Engineering Department

## M. Tech. Transportation Engineering

## Semester 1

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1	<a href="#">501TE</a>	<a href="#">Traffic Engineering and Simulation</a>	3	0	2	5	4
2	<a href="#">502TE</a>	<a href="#">Highway Materials and Construction</a>	3	0	2	5	4
3	<a href="#">501MA</a>	<a href="#">Data Analytics in Engineering</a>	3	0	2	5	4
4	<a href="#">503TE</a>	<a href="#">Transportation Project</a>	0	0	2	2	1
5		Program Elective - I	3	1	0	4	4
6		Program Elective - II	3	1	0	4	4
<b>Total</b>			<b>15</b>	<b>2</b>	<b>8</b>	<b>25</b>	<b>21</b>

## Program Elective - I

1	<a href="#">541TE</a>	<a href="#">Transportation Planning and Practices</a>	3	1	0	4	4
2	<a href="#">542TE</a>	<a href="#">Multimodal Transportation System Planning and Design</a>	3	1	0	4	4
3	<a href="#">543TE</a>	<a href="#">Freight Transportation Planning</a>	3	1	0	4	4

## Program Elective - II

1	<a href="#">544TE</a>	<a href="#">Airport System Planning and Design</a>	3	1	0	4	4
2	<a href="#">545TE</a>	<a href="#">Railway Infrastructure Planning and Design</a>	3	1	0	4	4
3	<a href="#">546TE</a>	<a href="#">Water Transport System</a>	3	1	0	4	4

## Semester 2

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1	<a href="#">504TE</a>	<a href="#">Pavement Analysis and Design</a>	3	1	0	4	4
2	<a href="#">505TE</a>	<a href="#">Highway Geometric Design and Safety</a>	2	0	2	4	3
3	<a href="#">502CE</a>	<a href="#">Research Methodology and IPR</a>	2	0	0	2	2
4	<a href="#">506TE</a>	<a href="#">Computer Aided Design in Transportation Engineering</a>	0	0	4	4	2
5		Program Elective - III	3	1	0	4	4
6		Program Elective - IV	3	1	0	4	4
7	<a href="#">521TE</a>	<a href="#">Seminar</a>	0	0	4	4	2
<b>Total</b>			<b>13</b>	<b>3</b>	<b>10</b>	<b>26</b>	<b>21</b>

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<b>Program Elective - III</b>							
1	<a href="#">541CE</a>	<a href="#">GIS-GPS in Civil Engineering</a>	3	1	0	4	4
2	<a href="#">547TE</a>	<a href="#">Operation &amp; Maintenance Management of Pavements</a>	3	1	0	4	4
3	<a href="#">548TE</a>	<a href="#">Environmental Analysis of Transportation System</a>	3	1	0	4	4

<b>Program Elective - IV</b>							
1	<a href="#">549TE</a>	<a href="#">Transportation Economics</a>	3	1	0	4	4
2	<a href="#">550TE</a>	<a href="#">Project Appraisal &amp; Finance Management</a>	3	1	0	4	4
3	<a href="#">551TE</a>	<a href="#">Transport Policy and Financing</a>	3	1	0	4	4

**Semester 3**

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1	<a href="#">631TE</a>	<a href="#">Dissertation – I</a>	0	0	30	30	15
<b>Total</b>			<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>15</b>

**Semester 4**

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1	<a href="#">632TE</a>	<a href="#">Dissertation – II</a>	0	0	30	30	15
<b>Total</b>			<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>15</b>
<b>Total Credits Distribution</b>			<b>28</b>	<b>5</b>	<b>78</b>	<b>111</b>	<b>72</b>