



Shri Vaishnav Vidyapeeth Vishwavidyalaya

Master of Technology (Transportation Engineering)

Choice Based Credit System (CBCS)

SEMESTER - I (w.e.f Admission Batch 2020-21)

| S. No. | COURSE CODE | COURSE NAME | TEACHING SCHEME/WEEK | | | CREDITS | EXAMINATION SCHEME | | | | | TOTAL MARKS |
|--------|-------------|---|----------------------|---|---|---------|-------------------------------|---------------------|----------------------------|-------------------------------|----------------------------|-------------|
| | | | L | T | P | | THEORY | | | PRACTICAL | | |
| | | | | | | | End Sem University Exam (60%) | Two Term Exam (20%) | Teachers Assessment* (20%) | End Sem University Exam (60%) | Teachers Assessment* (40%) | |
| 1 | MTCE2101 | System Mathematics and Mathematical Modelling | 3 | 0 | 0 | 3 | 60 | 20 | 20 | – | – | 100 |
| 2 | MTCE2102 | Material Science and Concrete Technology | 2 | 1 | 2 | 4 | 60 | 20 | 20 | 30 | 20 | 150 |
| 3 | MTCE2103 | Soil Mechanics in Highway Engineering | 2 | 1 | 2 | 4 | 60 | 20 | 20 | 30 | 20 | 150 |
| 4 | MTCE2104 | Traffic Engineering | 2 | 1 | 0 | 3 | 60 | 20 | 20 | – | – | 100 |
| 5 | Elective | Alignment and Geometric Design of Highways | 2 | 1 | 0 | 3 | 60 | 20 | 20 | – | – | 100 |
| 6 | MTCE2106 | Comprehensive Viva | 0 | 0 | 2 | 1 | – | – | – | 100 | – | 100 |
| | | | 11 | 4 | 6 | 18 | 300 | 100 | 100 | 160 | 40 | 700 |

Legends: L - Lecture ; T - Tutorial/Teacher Guided Student Activity ; P - Practical ;

| Elective-I | |
|-------------|--|
| MTCE2105(1) | Alignment and Geometric Design of Highways |
| MTCE2105(2) | Bridge Engineering |
| MTCE2105(3) | GIS and Remote Sensing in Transportation Engineering |

*Teacher Assessment shall be based following components: Quiz/Assignment/Project/Participation in Class, given that no component shall exceed more than 10 marks.

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