



# VIVEKANANDA GLOBAL UNIVERSITY, JAIPUR

**(Established by Rajasthan State Legislature and covered u/s 2(f) of the UGC Act, 1956)**

## **FACULTY OF ENGINEERING & TECHNOLOGY**

### **SCHEME & SYLLABUS**

**FOR**

### **Master of Technology (Transportation Engineering)**

(Implemented from Academic session 2018-19 and also for students admitted to first year in 2017-18)

Sem	I	II	III	IV	Total
Credits	21	19	12	12	64

**Total Credits: 64**

**SESSION: 2018-19**

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**VIVEKANANDA GLOBAL UNIVERSITY, JAIPUR**  
**SCHEME FOR MASTER OF TECHNOLOGY**  
**(TRANSPORTATION ENGINEERING)**

(Implemented from Academic session 2018-19 and also for students admitted to first year in 2017-18)

**SEMESTER-I**

Course Code	Course Name	Hrs/Week			Credits
		L	T	P	
MBM 204	Research Methodology	3	-	-	3
MGT 103	Project Formulation & Appraisal Techniques	3	-	-	3
MTE 103	Pavement Materials & Characterisation	3	1	-	4
MTE 104	Urban Transport Planning	3	-	-	3
MTE 105	Seminar - I	-	-	8	4
MTE 106	Advanced Material Testing Lab & Case Studies	-	-	4	2
MTE 107	Library (Review of Literature for Research)			4	2
	<b>Total</b>	<b>12</b>	<b>2</b>	<b>16</b>	<b>21</b>

## SEMESTER II

Course Code	Course Name	Hrs/Week			Credits
		L	T	P	
MTE 201	Highway Construction	3	1	-	4
MTE 202	Pavement Analysis & Design	3	1		4
	<b>Elective I</b>	3	1	-	4
	<b>Elective II</b>	3		-	3
MTE 203	Seminar - II	-	-	4	2
MTE 204	Advanced Traffic Engineering Lab & Field Studies	-	-	4	2
	<b>Total</b>	<b>12</b>	<b>3</b>	<b>8</b>	<b>19</b>

### **Elective I**

MTE 205 Pavement Maintenance & Management System  
MTE 206 Intersection Design (SP-41) & Analysis  
MTE 207 Ground Improvement Techniques  
MTE 208 GIS and Its Applications  
MTE 209 Road Safety Audit

### **Elective II**

MTE 210 Highway Contract Documents & Tendering Systems  
MTE 211 Environmental Impact Assessment of Highway Projects  
MTE 212 Transport Economics Finance  
MTE 213 Airport Planning & Design  
MTE 214 Rural Road Technology

<b>Semester-III</b>					
<b>Course Code</b>	<b>Course</b>	<b>Hrs/Wee</b>			<b>Credits</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
MTE 302	Seminar – III	-	-	4	2
MTE 303	Dissertation Part -I	-	-	10	5
MTE 304	Library (Review of Literature for Research)	-	-	10	5
	<b>Total</b>	-	-	<b>24</b>	<b>12</b>

<b>Semester-IV</b>						
<b>Course Code</b>	<b>Course</b>	<b>Hrs/Week</b>			<b>Credits</b>	
		<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	
MTE 401	Dissertation Part -II	-	-	24	12	
	<b>Total</b>	<b>-</b>	<b>-</b>	<b>24</b>	<b>12</b>	