

**MRSPTU B.TECH WITH HONS. DEGREE IN CIVIL ENGG. SYLLABUS 2018  
BATCH ONWARDS**

**SCHEME FOR ADDITIONAL 20 CREDITS FOR BTECH CIVIL ENGG. WITH HONORS**

B. Tech Civil Engg. with Honors			Contact Hours			Max Marks		Total Marks	Credits
BASKET		Subject Name	L	T	P	Int.	Ext.		
<b>BASKET -I</b>	BCIEH1-001	Traffic Engineering	3	1	0	40	60	100	4
	BCIEH1-002	Water Management & Conservation	3	1	0	40	60	100	4
	BCIEH1-003	Finite Element Method	3	1	0	40	60	100	4
	BCIEH1-004	Sub-Soil Exploration Methods	3	1	0	40	60	100	4
	BCIEH1-005	Watershed Management	3	1	0	40	60	100	4
<b>BASKET -II</b>	BCIEH1-006	Pavement Evaluation & Management	3	1	0	40	60	100	4
	BCIEH1-007	Design and Operations of Water & Wastewater Treatments Plants	3	1	0	40	60	100	4
	BCIEH1-008	Direct Stiffness Method	3	1	0	40	60	100	4
	BCIEH1-009	Geo-Environmental Engineering	3	1	0	40	60	100	4
	BCIEH1-010	Free Surface Flow	3	1	0	40	60	100	4
<b>BASKET -III</b>	BCIEH1-011	Intelligent Transportation System	3	1	0	40	60	100	4
	BCIEH1-012	Air Pollution Science & Engineering	3	1	0	40	60	100	4
	BCIEH1-013	Industrial Structures	3	1	0	40	60	100	4
	BCIEH1-014	Advanced Soil Mechanics	3	1	0	40	60	100	4
	BCIEH1-015	Hydropower Engineering	3	1	0	40	60	100	4
<b>BASKET -IV</b>	BCIEH1-016	Tunnel Engineering	3	1	0	40	60	100	4
	BCIEH1-017	Industrial Waste Management	3	1	0	40	60	100	4
	BCIEH1-018	Composite Materials	3	1	0	40	60	100	4
	BCIEH1-019	Expansive Soil Mechanics	3	1	0	40	60	100	4
	BCIEH1-020	Water Resources, Planning & Management	3	1	0	40	60	100	4

**Select at least one subject from each basket.**

**Note:** The students may opt one/two subjects from the MOOCs/ SWAYAM as per University Notification & as per the AICTE Model Curriculum as modified from time to time.