

# GUJARAT TECHNOLOGICAL UNIVERSITY

## M.E. Civil in Water Resources Management

### PROPOSED TEACHING SCHEME

#### Semester I

SR. NO.	SUBJECT	TEACHING SCHEME(HOURS)			CREDITS
		THEORY	TUTORIAL	PRACTICAL	
1	Advanced Fluid Mechanics	4	0	2	5
2	Hydrology & Watershed Management	4	0	2	5
3	Design of Hydraulic Structures	4	2	0	5
4	Inter Disciplinary Elective-1	3	2	0	4
5	Major Elective - 1	3	0	0	3
6	Communication & Research Skills	2	2	0	3
	<b>TOTAL</b>	<b>20</b>	<b>6</b>	<b>4</b>	<b>25</b>

#### Semester II

SR NO	SUBJECT	TEACHING SCHEME(HOURS)			CREDITS
		THEORY	TUTORIAL	PRACTICAL	
1	Ground Water Management	4	0	2	5
2	Water Resources Planning	3	0	2	4
3	Major Elective - 2	4	2	0	5
4	Major Elective - 3	3	2	0	4
5	Inter Disciplinary Elective 2	3	2	0	4
6	Principal of Management	3	0	0	3
	<b>TOTAL</b>	<b>20</b>	<b>6</b>	<b>4</b>	<b>25</b>

## M.E. Civil in Water Resources Management

<b>Interdisciplinary Elective - 1</b>	<b>Interdisciplinary Elective - 2</b>
Water Resources Engineering	Infrastructure Engineering and Management

<b>Sr. No.</b>	<b>Major Elective - 1</b>	<b>Major Elective - 2</b>	<b>Major Elective - 3</b>
1	Hydro Power Engineering	Design of Canal Network and Regulation Work	Hydro System Engineering And Management
2	Remote Sensing and its applications	Water Supply and Drainage	Stochastic Models in Water Resources.