

**Department of Computer Science
Rollwala Computer Centre
Gujarat University**

**Structure and Scheme
M. Tech (Networking & Communication)**

Semester-I

Sr. No.	Subject	External	Practical	Internal	Term work	Total
1	Design and Analysis of Algorithms	100	--	25	25	150
2	Distributed Computing & Applications	100	50	25	25	200
3	Communication and Research Skills	50	----	25	25	100
4	Information Security	100	---	25	25	150
5	Computer Communication Networks	100	50	25	25	200
Total		450	100	125	125	800

Semester-II

Sr. No.	Subject	External	Practical	Internal	Term work	Total
1	Network Security	100	---	25	25	150
2	Network Analysis & Design	100	----	25	25	150
3	Advanced Networking	100	50	25	25	200
4	Wireless Networking and Mobile Computing	100	50	25	25	200
Total		400	100	100	100	700

Semester-III

Sr. No.	Subject	External/ viva-voce	Practical	Internal	Term work	Total
1	Routing Technology	100	----	25	25	150
2	Elective	100	-----	25	25	150
3	Literature Survey Review	100	-----	50	50	200
4	Dissertation Phase-I	200	-----	50	50	300
Total		500		150	150	800

Elective – M.Tech. (Networking & Communications)

- (1) High performance Computing
- (2) Network Management
- (3) Social Media Application Development

Semester-IV

S. No.	Subject	External	Internal	Term work	Total
1	Dissertation Phase-II	400	150	150	700