

## M. TECH IN FIBRE OPTICS AND LIGHTWAVE ENGINEERING (EC-1)

| Sem No. | Subject Code | Subject Name                                  | L-T-P       | Credits |
|---------|--------------|---|-------------|---------|
| 1       | EC61101      | Optical Fiber, Components, Devices            | 3-1-0       | 4       |
|         | EC61103      | Optical Communication                         | 3-1-0       | 4       |
|         |              | Elective-I                                    | 3-0-0/3-1-0 | 3/4     |
|         |              | Elective-II                                   | 3-0(1)-0    | 3/4     |
|         | EC69101      | Fiber Optics lab                              | 0-0-3       | 2       |
|         | EC69013      | TSE Laboratory                                | 0-0-3       | 2       |
|         |              | Elective-III                                  | 3-0(1)-0    | 3/4     |
|         | EC69001      | Seminar-I                                     | 0-0-2       | 2       |
|         |              | Total   | 12-2/4-12   | 23/25   |
| 2       | EC60102      | Integrated Optics                             | 3-0-0       | 3       |
|         | EC61104      | Advanced Optical Comm. System                 | 3-1-0       | 4       |
|         |              | Elective-IV                                   | 3-0-0/3-1-0 | 3/4     |
|         |              | Elective-V                                    | 3-0-0/3-1-0 | 3/4     |
|         |              | Elective-VI (HSS/Mgmt)                        | 3-0-0/3-1-0 | 3/4     |
|         | EC69002      | Seminar-II                                    | 0-0-2       | 2       |
|         |              | Elective-VII                                  | 3-0-0/3-1-0 | 3/4     |
|         |              | Optical Comm Design and Simulation Laboratory | 0-0-3       | 2       |
|         |              | Total   | 12-1/3-9    | 23/27   |

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|--------|--------------|--------------------------|-------|---------|
| 3      | EC67101      | Thesis- Part-I           | 0-0-0 | 20      |
|        | EC68001      | Comprehensive Viva -Voce | 0-0-0 | 3       |
| 4      | EC67102      | Thesis-Part-II           | 0-0-0 | 20      |

**Total Credits: 89 (minimum)**