

**DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCE**  
**M.TECH. ELECTRICAL ENGINEERING Semester-I**  
**(Specialization: Power Electronics and Power System & Control)**  
**MA 60025: ADVANCED ENGINEERING MATHEMATICS**

**Semester-I**

| S.No. | Subject Code | Subject                          | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                                  | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA60025      | Advanced Engineering Mathematics | 3              | - | - | 3          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                            | 3              | - | - | 3          | -          | 70            | 30 | -  | -    | 100   |

**DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCE**  
**M.TECH. (Electronics and Communications Engineering) Semester-I**  
**MA 65014: LINEAR ALGEBRA, PROBABILITY THEORY AND OPTIMIZATION**

**Semester-I**

| S.No. | Subject Code | Subject                                             | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|-----------------------------------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                                                     | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA65014      | Linear Algebra, probability Theory and Optimization | 3              | 1 | - | 4          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                                               | 3              | 1 | - | 4          | -          | 70            | 30 | -  | -    | 100   |

**DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCE**  
**M.TECH. (Information Technology) Semester-I**  
**MA78011: MATHEMATICAL FOUNDATION OF COMPUTER SCIENCE**

**Semester-I**

| S.No. | Subject Code | Subject                                     | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|---------------------------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                                             | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA78011      | Mathematical Foundation of Computer Science | 3              | - | - | 3          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                                       | 3              | - | - | 3          | -          | 70            | 30 | -  | -    | 100   |

**DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCE**  
**M.TECH. Biomedical Engineering (Signal Processing and Instrumentation) Semester-II**  
**MA 75503: APPLIED & COMPUTATIONAL LINEAR ALGEBRA**

**Semester-II**

| S.No. | Subject Code | Subject                                | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                                        | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA75503      | Applied & Computational Linear Algebra | 4              | - | - | 4          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                                  | 4              | - | - | 4          | -          | 70            | 30 | -  | -    | 100   |

**DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCE**  
**M.TECH. Semester-III**  
**MA51902: RESEARCH METHODOLOGY & IPR**

**Semester-III**

| S.No. | Subject Code | Subject                    | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                            | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA51902      | Research Methodology & IPR | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                      | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |

**DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCE**  
**M.TECH. Semester-III**  
**MA52902: RESEARCH METHODOLOGY & IPR**

**Semester-III**

| S.No. | Subject Code | Subject                    | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                            | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA52902      | Research Methodology & IPR | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                      | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |

**DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONALSCIENCE**  
**M.TECH. Semester-III**  
**MA59902: RESEARCH METHODOLOGY & IPR**

**Semester-III**

| S.No. | Subject Code | Subject                    | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                            | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA59902      | Research Methodology & IPR | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                      | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |

**DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONALSCIENCE**  
**M.TECH. Semester-III**  
**MA54902: RESEARCH METHODOLOGY & IPR**

**Semester-III**

| S.No. | Subject Code | Subject                    | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                            | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA54902      | Research Methodology & IPR | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                      | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |

**DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONALSCIENCE**  
**M.TECH. Semester-III**  
**MA71902: RESEARCH METHODOLOGY & IPR**

**Semester-III**

| S.No. | Subject Code | Subject                    | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                            | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA71902      | Research Methodology & IPR | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                      | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |

**DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONALSCIENCE**  
**M.TECH. Semester-III**  
**MA87902: RESEARCH METHODOLOGY & IPR**

**Semester-III**

| S.No. | Subject Code | Subject                    | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                            | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA87902      | Research Methodology & IPR | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                      | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |

**DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONALSCIENCE**  
**M.TECH. Semester-III**  
**MA81902: RESEARCH METHODOLOGY & IPR**

**Semester-III**

| S.No. | Subject Code | Subject                    | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                            | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA81902      | Research Methodology & IPR | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                      | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |

**DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONALSCIENCE**  
**M.TECH. Semester-III**  
**MA82902: RESEARCH METHODOLOGY & IPR**

**Semester-III**

| S.No. | Subject Code | Subject                    | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                            | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA82902      | Research Methodology & IPR | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                      | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |

**DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONALSCIENCE**  
**M.TECH. Semester-III**  
**MA78902: RESEARCH METHODOLOGY & IPR**

**Semester-III**

| S.No. | Subject Code | Subject                    | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                            | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA78902      | Research Methodology & IPR | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                      | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |

**DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONALSCIENCE**  
**M.TECH. Semester-III**  
**MA65902: RESEARCH METHODOLOGY & IPR**

**Semester-III**

| S.No. | Subject Code | Subject                    | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                            | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA65902      | Research Methodology & IPR | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                      | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |

**DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONALSCIENCE**  
**M.TECH. Semester-III**  
**MA61902: RESEARCH METHODOLOGY & IPR**

**Semester-III**

| S.No. | Subject Code | Subject                    | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                            | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA61902      | Research Methodology & IPR | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                      | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |

## DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONALSCIENCE

## M.TECH. Semester-III

## MA63902: RESEARCH METHODOLOGY &amp; IPR

## Semester-III

| S.No. | Subject Code | Subject                    | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                            | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA63902      | Research Methodology & IPR | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                      | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |

## DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONALSCIENCE

## M.TECH. Semester-III

## MA66902: RESEARCH METHODOLOGY &amp; IPR

## Semester-III

| S.No. | Subject Code | Subject                    | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                            | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA66902      | Research Methodology & IPR | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                      | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |

## DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONALSCIENCE

## M.TECH. Semester-III

## MA85902: RESEARCH METHODOLOGY &amp; IPR

## Semester-III

| S.No. | Subject Code | Subject                    | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                            | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA85902      | Research Methodology & IPR | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                      | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |

## DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONALSCIENCE

## M.TECH. Semester-III

## MA69902: RESEARCH METHODOLOGY &amp; IPR

## Semester-III

| S.No. | Subject Code | Subject                    | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                            | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA69902      | Research Methodology & IPR | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                      | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |

## DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONALSCIENCE

## M.TECH. Semester-III

## MA75902: RESEARCH METHODOLOGY &amp; IPR

## Semester-III

| S.No. | Subject Code | Subject                    | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                            | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA75902      | Research Methodology & IPR | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                      | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |

## DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONALSCIENCE

## M.TECH. Semester-III

## MA84902: RESEARCH METHODOLOGY &amp; IPR

## Semester-III

| S.No. | Subject Code | Subject                    | Hours per Week |   |   | Th. Credit | Pr. Credit | Maximum Marks |    |    |      | Total |
|-------|--------------|----------------------------|----------------|---|---|------------|------------|---------------|----|----|------|-------|
|       |              |                            | L              | T | P |            |            | TH            | CW | SW | P r. |       |
| 1.    | MA84902      | Research Methodology & IPR | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |
|       |              | Total                      | 2              | - | - | 2          | -          | 70            | 30 | -  | -    | 100   |