

## Curriculum of M. Des. Electronic Systems

(According to 33<sup>rd</sup> Senate meeting minutes)

| <b>Semester 1</b>                              |           |          |           |                 |
|--|-----------|----------|-----------|-----------------|
| <b>Course Name</b>                             | <b>I</b>  | <b>P</b> | <b>C</b>  | <b>Category</b> |
| Concepts of Product Design and Development     | 2         | 3        | 4         | DES             |
| Analog IC Design                               | 3         | 0        | 3         | PEC             |
| Electromagnetic Interference and Compatibility | 3         | 3        | 5         | PEC             |
| Embedded Systems Design                        | 3         | 3        | 5         | PEC             |
| Elective – 1                                   | 3         | 0        | 3         | ELE             |
| <b>Total</b>                                   | <b>14</b> | <b>9</b> | <b>20</b> |                 |
| <b>Semester 2</b>                              |           |          |           |                 |
| Design for Quality and Reliability             | 2         | 3        | 4         | DES             |
| Digital IC Design                              | 3         | 3        | 5         | PEC             |
| Elective – 2                                   | 3         | 0        | 3         | ELE             |
| Elective – 3                                   | 3         | 0        | 3         | ELE             |
| Elective – 4                                   | 3         | 0        | 3         | ELE             |
| <b>Total</b>                                   | <b>14</b> | <b>6</b> | <b>18</b> |                 |
| <b>Summer</b>                                  |           |          |           |                 |
| Project Phase - I/Project in an Industry       | -         | -        | 7         | PEC             |
| <b>Semester 3</b>                              |           |          |           |                 |
| Project – Part II/ Project in an Industry      | -         | -        | 15        | PEC             |
| <b>Total</b>                                   |           |          | <b>15</b> |                 |
| <b>Semester 4</b>                              |           |          |           |                 |
| Project – Part – III                           | -         | -        | 16        | PEC             |
| <b>Total</b>                                   |           |          | <b>16</b> |                 |
| <b>TOTAL CREDITS</b>                           |           |          | <b>76</b> |                 |