

## Curriculum of M. Tech. Smart Manufacturing

(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> |
| IIoT and Cloud Computing                  | 3         | 3        | 5         | PEC             |
| Machine to Machine Communication          | 1         | 3        | 3         | PEC             |
| Mechatronics Systems Design               | 3         | 3        | 5         | PEC             |
| Elective – 1                              | 3         | 0        | 3         | ELE             |
| Elective – 2                              | 3         | 0        | 3         | ELE             |
| <b>Total</b>                              | <b>15</b> | <b>9</b> | <b>19</b> |                 |
| <b>Semester 2</b>                         |           |          |           |                 |
| Analytics and Systems of Big Data         | 3         | 3        | 5         | PEC             |
| Information systems in Manufacturing      | 3         | 3        | 5         | PEC             |
| Elective – 3                              | 3         | 0        | 3         | ELE             |
| Elective – 4                              | 3         | 0        | 3         | ELE             |
| Elective – 5                              | 3         | 0        | 3         | ELE             |
| <b>Total</b>                              | <b>15</b> | <b>6</b> | <b>19</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> |                 |