

### Compulsory Courses (3 Credit Hours)

S. no	Course ID	Course Name	Credit Hours
1	IOT501	Research Methodology	3+0

### Domain Core Courses (12 Credit Hours)

S. no	Course ID	Course Name	Credit Hours
1	IOT511	IoT Systems Architecture & Design	3+0
2	IOT513	IoT Network Management	3+0
3	IOT515	Sensors, Actuators and Instrumentation for Automation <sup>2</sup> (ADAPTED)	3+0
4	IOT517	Management of Disruptive Technologies	3+0

### Domain Electives Courses (12 Credit Hours)

S. no	Course ID	Course Name	Credit Hours	Pre-Requisites
1	IOT561	Artificial Intelligence	3+0	
2	IOT562	System Fault Management	3+0	
3	IOT563	System Financial Management	3+0	
4	IOT564	IoT Analytics and Data Visualization with Cloud Services	3+0	
5	IOT565	Cyber Security for IoT Systems <sup>2</sup>	3+0	
6	IOT566	Industrial Control and Programming	3+0	
7	IOT567	Industrial Maintenance and Safety for IoT Systems	3+0	
8	IOT568	Management of Cyber-Physical Systems	3+0	
9	IOT661	System Configuration Management	3+0	IOT515

<b>10</b>	IOT662	Programmable Logic Embedded System Design <sup>4</sup>	3+0	IOT515
<b>11</b>	IOT663	System Performance Management	3+0	IOT513
<b>12</b>	IOT664	Constraints Aware Computing <sup>1 (adapted)</sup>	3+0	IOT511
<b>13</b>	IOT665	High Speed Digital Design <sup>4</sup>	3+0	IOT511
<b>14</b>	IOT667	Developing Industrial Internet of Things <sup>3</sup>	3+0	IOT517
<b>15</b>	IOT668	Mobile Application Development for IoT <sup>4</sup>	3+0	IOT517
<b>16</b>	IOT669	Digital Supply Chain Management	3+0	IOT517
<b>17</b>	IOT671	Human Computer Interaction for IoT	3+0	IOT561
<b>18</b>	IOT672	IoT Applied Machine Learning <sup>1</sup>	3+0	IOT561
<b>19</b>	IOT681	Sensor Big Data Analytics <sup>1</sup>	3+0	IOT661

### Project-Based Thesis (6 Credit Hours)

<b>S. no</b>	<b>Course ID</b>	<b>Course Name</b>	<b>Credit Hours</b>	<b>Pre-Requisites</b>
1	IOT691	Project-Based Thesis - I	0+3	IOT501
2	IOT692	Project-Based Thesis - II	0+3	IOT691

### Course Structure

<p><b>Semester one</b></p> <p>Research Methodology (3+0)</p> <p>IoT Systems Architecture &amp; Design (3+0)</p> <p>Sensors, Actuators and Instrumentation for Automation (3+0)</p>	<p><b>Semester two</b></p> <p>IoT Network Management (3+0)</p> <p>Elective-I</p> <p>Management of Disruptive Technologies (3+0)</p>
<p><b>Semester three</b></p> <p>Elective-II</p> <p>Elective-III</p> <p>Project Based Thesis 1 (0+3)</p>	<p><b>Semester four</b></p> <p>Elective-IV</p> <p>Project Based Thesis 2 (0+3)</p>