M. Tech. Embedded Systems Scheme Revision Session: 2019 – 21

Semester I   **34 Credits**   **26 Credits**

S.N	Course Code	Course Name (Pre-Revised)	Credit	Course Code	Course Name (Revised)	Credit
1	EL71105	Embedded Microcontrollers	4	EL71105	Embedded Microcontrollers	4
2	EL71106	Advanced Logic Design	4	EL71106	Advanced Logic Design	4
3	EL71102	Linux Scripting and Networking	4	EL71102	Linux Scripting and Networking	4
4	EL71103	System Programming	4	EL71103	System Programming	4
5	~~EL71104~~	~~Digital Signal Processing~~	4	EL51203	Embedded Microcontroller Lab	2
6	EL51203	Embedded Microcontroller Lab	2	EL71202/ EL71203	Linux Lab/ System Programming Lab	2+2
7	EL71202/ EL71203	Linux Lab/ System Programming Lab	2+2	EL71301	Comprehensive Viva Voce	4
8	~~EL71204~~	~~Digital Signal Processing Lab~~	2	-----	------	
9	EL71301	Comprehensive Viva Voce	4	-----	------	

Semester II: **30 Credits**   **36 Credits**

S.N	Course Code	Course Name (Pre-revised)	Credit	Course Code	Course Name (Revised)	Credit
1	EL72105	VLSI Design Methodologies	4	EL72105	VLSI Design Methodologies	4
2	EL72102	Real Time Systems	4	EL72102	Real Time Systems	4
3	EL72104	Advanced Embedded Microcontroller - ARM	4	EL72104	Advanced Embedded Microcontroller - ARM	4
4	EL72101/ EL72106/ EL72111	Mobile System Programming/ Digital Image Processing/ Wireless Computer Networks & IoT	4	EL72101/ EL72106/ EL72111	Mobile System Programming/ Digital Image Processing/ Wireless Computer Networks & IoT	4
5	EL72205	VLSI Lab	2	EL72205	VLSI Lab	2
6	EL72202	Real Time Systems Lab	2	EL72202	Real Time Systems Lab	2
7	EL72201/ EL72206/ EL72211	Mobile System Programming Lab / Digital Image Processing Lab / Wireless Computer Networks & IoT Lab	2	EL72201/ EL72206/ EL72211	Mobile System Programming Lab / Digital Image Processing Lab / Wireless Computer Networks & IoT Lab	2
8	EL72401	Student Seminars	2	EL72401	Student Seminars	2
9	EL72301	Comprehensive Viva Voce	4	EL72121	Digital Signal Processing	4
10	---	-----	---	EL72221	Digital Signal Processing Lab	2
11	-----	------	----	EL72301	Comprehensive Viva Voce	4

Semester III: **12 Credits**   **12 Credits**

S.N	Course Code	Course Name (Pre-Revised)	Credit	Course Code	Course Name (Revised)	Credit
1	EL73501	Major Project Phase I	12	EL53101	Control Systems	4

Semester IV: **12 Credits**   **12 Credits**

S.N	Course Code	Course Name (Pre-Revised)	Credit	Course Code	Course Name (Revised)	Credit

| 1 | EL74501 | Major Project Phase II | 12 | EL74501 | Major Project Phase II | 12 |

<div align="center">Total Credits: 88</div>   Total Credits: 88

Notes: 1. Courses marked with RED Ink are deleted courses and courses marked with GREEN ink are newly introduced ones. BLUE marked courses have minor changes in name and/or syllabus.

    2. The CBCS scheme has been introduced from 2013 onwards.