

School of Electronics, Devi Ahilya University, Indore  
M. Tech. Embedded Systems, Batch 2015 - 17 (Scheme)

**Semester I**

**34 Credits**

Sr. No	Course Code	Course Name	Lecture (L) Hr	Tutorial (T) Hr	Practical (P) Hr	Credit
Core Subjects						
1	EL61103	System Programming	3	1	0	4
2	EL61105	Embedded Microcontrollers	3	1	0	4
3	EL61106	Advanced Logic Design	3	1	0	4
Electives: Discipline Centric *						
4	EL61104	Digital Signal Processing	3	1	0	4
Electives: Generic *						
5	EL61102	Linux Scripting and Networking	3	1	0	4
6	EL61202	Linux Lab	0	0	4	2
7	EL61203	System Programming Lab	0	0	4	2
8	EL61204	Digital Signal Processing Lab	0	0	4	2
9	EL61205	Embedded Microcontroller Lab	0	0	4	2
10	EL61206	Advanced Logic Design Lab	0	0	4	2
11	EL61301	Comprehensive Viva Voce (Virtual)	-	-	-	4

**Semester II**

**30 Credits**

Sr. No	Course Code	Course Name	Lecture (L) Hr	Tutorial (T) Hr	Practical (P) Hr	Credit
Core Subjects						
1	EL62102	Real Time Systems	3	1	0	4
2	EL62104	Advanced Embedded Microcontroller - ARM	3	1	0	4
Electives: Discipline Centric *						
3	EL62101	Mobile System Programming	3	1	0	4
4	EL62106	Digital Image Processing	3	1	0	4
Electives: Generic *						
5	EL62105	VLSI Design Methodologies	3	1	0	4
6	EL62201	Mobile System Programming Lab	0	0	4	2
7	EL62202	Real Time Systems Lab	0	0	4	2
8	EL62204	Advanced Embedded Microcontroller Lab	0	0	4	2
9	EL62205	VLSI Lab	0	0	4	2
10	EL62206	Digital Image Processing Lab	0	0	4	2
11	EL62401	Student Seminars	2	0	0	2
12	EL62301	Comprehensive Viva Voce (Virtual)	-	-	-	4

**Semester III**

**12 Credits**

Sr. No	Course Code	Course Name	Lecture (L) Hr	Tutorial (T) Hr	Practical (P) Hr	Credit
1	EL63501	Major Project Phase I Viva Voce	-	-	-	12

**Semester IV**

**12 Credits**

Sr. No	Course Code	Course Name	Lecture (L) Hr	Tutorial (T) Hr	Practical (P) Hr	Credit
1	EL64501	Major Project Phase II Viva Voce	-	-	-	12

\* Please refer Appendix – I for Elective Subjects list

**Total Credits**

**88 Credits**