

R. V. College of Engineering, Bengaluru – 59 (An Autonomous Institution affiliated to Visvesvaraya Technological University, Belagavi)

Department of Electronics & Communication Engineering

		FIR	ST SEM	ESTER		C		
Sl.							ION	Total
No				Lecture L	Tutorial T	Practical P	Self Study S	Credits
1	16MEM11R	Research Methodology	IM	3	1	0	0	4
2	16MVE12	Digital IC Design (Theory and Practice)	ECE	4	0	1	0	5
3	16MVE13	Advanced Embedded System Design	ECE	4	0	0	1	5
4	16MVE14	Digital System Design using Verilog	ECE	4	0	0	0	4
5	16MVE15x	Elective 1	ECE	4	0	0	0	4
6	16HSS16	Professional Skill Development	HSS	0	0	2	0	2
		Total		19	1	3	1	24

Elective-1					
16MVE151	Advanced Embedded Processors	16MVE152	ASIC Design		

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	SECOND SEMESTER									
Sl.	Course Code	Course Title	BoS	CREDIT ALLOCATION Total						
No				Lecture	Lecture Tutorial Practical Self Study					
				L	Т	Р	S			
1	16MEM21P	Project Management	IM	3	1	0	0	4		
2	16MVE22	Analog IC Design	ECE	4	0	1	0	5		
2		(Theory and Practice)		4						
3	16MVE23x	Elective-2	ECE	4	0	0	0	4		
4	16MVE24x	Elective-3	ECE	4	0	0	0	4		
5	16MVE25x	Elective-4	ECE	4	0	0	0	4		
6	16XXX26	Minor Project	Resp	0	0	5	0	5		
		Tota		19	1	6	0	26		

Elective-2							
16MVE231	CAD Tools for VLSI	16MVE232	Real Time Embedded Systems				
Elective-3							
16MVE241	Low Power VLSI Design	16MVE242	Advanced Embedded Programming				
	Elective-4						
16MVE251	High Speed VLSI Design	16MVE252	MEMS and Smart Systems				

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	THIRD SEMESTER								
Sl.	Course Code	Course Title	BoS	CREDIT ALLOCATION				Total	
No				Lecture L	Tutorial T	Practical P	Self Study S	Credits	
1	16MVE31	Synthesis & Optimization of Digital Circuits (Theory and Practice)	ECE	4	0	1	0	5	
2	16MVE32x	Elective-5	ECE	4	0	0	0	4	
3	16MVE33x	Elective-6	ECE	4	0	0	0	4	
4	16MVE34x	Elective-7	ECE	4	0	0	0	4	
5	16MVE35	Internship/Industrial Training	ECE	0	0	3	0	3	
6	16MVE36	Technical Seminar	ECE	0	0	2	0	2	
		Total		16	0	6	0	22	

Elective-5								
16MVE321	Optimization in Embedded Systems	16MVE322	VLSI testing & Verification					
	Elective-6							
16MVE331	VLSI for Signal Processing	16MVE332	Mixed Signal IC Design					
	Elective-7							
16MVE341	Reconfigurable Computing	16MVE342	RFIC Design					

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	FOURTH SEMESTER								
Sl. Course Code Course Title BoS CREDIT ALLOCATION								Total Credits	
No				Lecture	Tutorial				
				L	Т	Р	S		
1	16MVE41	Major Project	ECE	0	0	26	0	26	
2	16MVE42	Seminar	ECE	0	0	2	0	2	
		Total		0	0	28	0	28	