

M. Tech VLSI (Regular Programme)

First Semester Examination

Code No.	Paper	L	T/P	Credits
Theory Papers				
MEVS-601	Digital System Design using Verilog	4	-	4
MEVS -603	VLSI Technology	4	-	4
MEVS -605	Advanced VLSI Design	4	-	4
Electives (Choose any Two)				
MECS-607	Advanced Computer Architecture	4	-	4
MEVS-609	Algorithm Analysis and Design	4		4
MEVS-611	DSP for VLSI Design	4	-	4
MECS-611	Computational Methods using MatLab	4	-	4
MEVS-613	Wireless Networks	4		4
MEVS-615	Research Methodologies	4		4
Practical / Viva Voce				
MEVS-651	Lab-1	-	2	1
MEVS-653	Lab-2	-	2	1
MEVS-655	Lab-3	-	2	1
MEVS-657*	Term Paper - I			2

* NUES: Non University Examination

Second Semester Examination

Code No.	Paper	L	T/P	Credits
Theory Papers				
MEVS-602	ESD using ARM microcontroller	4	-	4
MEVS-604	Analog VLSI Design	4	-	4
MEVS-606	Low Power VLSI Design	4	-	4
Electives (Choose any Two)				
MEVS-608	Advanced DSP for VLSI	4	-	4
MEVS-610	Simulation and Circuit Modeling	4	-	4
MEVS-612	System on Chip	4	-	4
MEVS-614	Semiconductor Memory Design	4	-	4
MEVS-616	Advance Digital Communication System	4	-	4
MEVS-618	Evolutionary Algorithms for VLSI Design	4	-	4
MEVS-620	Secured Hardware Design	4	-	4
MEVS-622	Probability and Stochastic Processing	4	-	4
Practical / Viva Voce				
MEVS-652	Lab-4		2	1
MEVS-654	Lab-5	-	2	1
MEVS-656	Lab-6	-	2	1
MEVS-658*	Term Paper II			2
Total		20	6	25

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Third Semester Examination

Code No.	Paper	L	T/P	Credits
Theory Papers				
MEVS-701	Algorithm for VLSI Physical Design Automation	4	-	4
MEVS-703	VLSI Test and Testability	4	-	4
Electives (Choose any Three)				
MEVS-705	Analog-Mixed Signal design	4	-	4
MEVS-707	HW /SW Co-design	4	-	4
MEVS-709	Designing with FPGA	4	-	4
MESP-612	Digital Image Processing	4	-	4
MEVS-713	MEMS / IC Integration	4	-	4
MEVS-715	Network on Chip	4	-	4
MEVS-717	CMOS RF Design	4	-	4
MEVS-719	Rapid Prototyping Design	4	-	4
MEVS-721	Circuits Interconnection and Packaging for VLSI	4	-	4
MEEC-705	ESD and RTOS	4	-	4
Practical / Viva Voce				
MEVS-751	Lab-7	-	2	1
MEVS-753	Lab-8	-	2	1
MEVS-755*	Term Paper-III	-	2	2
MEVS-757	Minor Project	-	-	4
Total		20	6	28

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Fourth Semester Examination

Code No.	Paper	L	T/P	Credits
MEVS-752	Dissertation	-	-	24
MEVS-754*	Seminar & Progress Report	-	-	4
MEVS-756*	Term Paper-IV	-	-	2

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