

Structure of Curriculum for
M.E. Degree Courses
 In
Electronics & Instrumentation Engineering
First Semester

THEORETICAL PAPERS							
Sl No	Paper Code	Paper Name	Periods/week			Credit Points	Marks
			L	T	P		
1	MEIE 2101	Measurement Techniques and Systems	3	0	0	3	100
2	MEIE 2102	Advanced Digital Signal Processing.	3	0	0	3	100
3	MM 2103	Advanced Mathematics and Computation Techniques.	3	1	0	4	100
4	MEIE 2104	Elective-I	3	0	0	3	100
5	MEIE 2105	Elective-II	3	0	0	3	100
Sub Total			15	1	0	16	500
<u>List of Papers for Elective-I</u> a. Analog and Digital VLSI Design b. Nano-devices and Technologies c. Medical Instrumentations			<u>List of Papers for Elective-II</u> a. Modeling Analysis with simulation b. Remote sensing and control c. Advanced Control Engineering				
LABORATORY/SESSIONAL PAPERS							
Sl. No	Paper Code	Paper Name	Periods/Week			Credit Points	Marks
			L	T	P		
1	MEIE 2151	Laboratory-I	0	0	3	3	100
2	MEIE 2152	Laboratory-II	0	0	3	3	100
Sub total			0	0	6	6	200
TOTAL			15	0	6	22	700

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Second Semester

THEORETICAL PAPERS							
Sl No	Paper Code	Paper Name	Periods/week			Credit Points	Marks
			L	T	P		
1	MEIE 2201	Advanced Industrial Instrumentation	3	0	0	3	100
2	MEIE 2202	Advanced Microcontrollers and embedded systems	3	0	0	3	100
3	MEIE 2203	Digital System Design with FPGA	3	1	0	4	100
4	MEIE 2204	Elective-III	3	0	0	3	100
5	MEIE 2205	Elective-IV	3	0	0	3	100
Sub Total			15	1	0	16	500
<u>List of Papers for Elective-III</u> a. Advanced Process Control Systems b. Analytical Instrumentation and Techniques c. Photonics Instrumentation			<u>List of Papers for Elective-IV</u> a. RF System Design b. Mechatronics c. Fiber Optic Sensors				
LABORATORY/SESSIONAL PAPERS							
Sl. No	Paper Code	Paper Name	Periods/Week			Credit Points	Marks
			L	T	P		
1	MEIE 2251	Laboratory-I	0	0	3	3	100
2	MEIE 2253	Laboratory-II	0	0	3	3	100
Sub total			0	0	6	6	200
TOTAL			15	0	6	22	700

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Third Semester

Sl No	Paper Code	Paper Name	Credit Points	Mark
1	EIEM 391	Seminar	10	100
2	EIEM 392	Term Paper related to Project work	10	100
Total			20	200

Fourth Semester

Sl No	Paper Code	Paper Name	Credit Points	Mark
1	EIEM 491	Thesis work	15	300
2	EIEM 492	Viva -Voce on Project work	5	100
Total			20	400