

**Revised Course Outline**  
**M. Sc in Information System Engineering**

**Year/Part:** I/I

<b>SN</b>	<b>Subject</b>	<b>Code</b>	<b>Credit</b>
1	Object Oriented System	MISE 111	4
2	Software Engineering	MISE 112	4
3	Communication System Engineering	MISE 113	4
4	Information Security	MISE 114	3
5	Research Methodology	MISE 115	3
<b>Year/Part: I/II</b>			18
1	Advanced Data Base Management System	MISE 121	4
2	Telecommunication N/W	MISE 122	4
3	Management Info system	MISE 123	4
4	Business Planning & Mgmt	MISE 124	3
5	Operation Research	MISE 125	3
<b>Year/Part: II/I</b>			18
1	Distributed & Cloud Computing	MISE 211	4
2	Data Mining & Warehousing	MISE 212	4
3	Elective-I		4
4	Elective-II		4
			16
<b>Year/Part: II/II</b>			
	Thesis/Dissertation		12
	<b>Total</b>		<b>64</b>

	<b>List of Electives</b>	<b>Code</b>
1	e-Commerce	MISE 214
2	Data Communication & Computer Network	MISE 215
3	Information Security	MISE 216
4	Multimedia	MISE 217
5	GIS	MISE 218

**Course Structure:**

This course is run under semester system having 4 semesters course in total 64 credits.

**M. sc in Engineering Management****First Semester:**

Course Code	Course Title	Credit	Evaluation (Internal-Final)
MEM 111	Engineering Economic Analysis	3	75 (30 + 45)
MEM 112	Entrepreneurship	3	75 (30 + 45)
MEM 113	Organizational Behavior	3	75 (30 + 45)
MEM 114	Quantitative Methods	3	75 (30 + 45)
MEM 115	Research Methodology	3	75 (30 + 45)
<b>Total</b>		<b>15</b>	<b>400</b>

**Second Semester:**

Course Code	Course Title	Credit	Evaluation (Internal-Final)
MEM 121	Financial Management	3	75 (30 + 45)
MEM 122	Human Resource Management	3	75 (30 + 45)
MEM 123	Legal and Ethical issues in Engineering Management	3	75 (30 + 45)
MEM 124	Operations Research	3	75 (30 + 45)
MEM 125	Quality Management	3	75 (30 + 45)
MEM 126	Strategic Management	3	75 (30 + 45)
<b>Total</b>		<b>18</b>	<b>400</b>

**Third Semester:**

Course Code	Course Title	Credit	Evaluation (Internal-Final)
MEM 211	Managerial Accounting	2	75 (30 + 45)
MEM 212	Project Financing and Management	3	75 (30 + 45)
MEM 213	Technology Marketing	3	75 (30 + 45)
MEM	Elective I (One of the subjects listed in electives)	4	75 (30 + 45)
MEM	Elective II (One of the subjects listed in electives)	4	75 (30 + 45)
<b>Total</b>		<b>16</b>	<b>400</b>

**Fourth Semester:**

Course Code	Course Title	Credit	Evaluation (Internal-External)
MEM 221	Dissertation / Thesis (Presentation and Report submission)	15	400 (240 + 160)

**Electives;**

Course Code	Course Title	Credit	Evaluation (Internal-External)
MEM 214	Construction Management	3	75 (30 + 45)
MEM 215	E-commerce	3	75 (30 + 45)
MEM 216	Geographical Information System (GIS).	3	75 (30 + 45)
MEM 217	Management Information System (MIS).	3	75 (30 + 45)
MEM 218	Safety Engineering	3	75 (30 + 45)
MEM 219	Service Marketing	3	75 (30 + 45)