

**M Tech - INNOVATIVE ENGINEERING AND ENTREPRENEURSHIP**

**CURRICULUM**

(effective for 2017 admissions)

<b>Semester I</b>				
Course	Code	Type E or B	E Credits	
Probability & Random Processes	16MA610	E+B	3	
Advanced Materials	16MS612	E	3	
Solar Energy	16RE611	E	3	
Manufacturing Automation	16ME650	E	4	
Elective I	Xxxxxxx	E	3	
Cultural Education	16HU601	-	P/F	
Total E Credits			16	
<b>Semester II</b>				
Course	Code	Type E or B	E Credits	
Lean Manufacturing	16ME652	E	3	
Energy Management	16RE625	E+B	3	
Statistical Design of Experiments	16MS605	E+B	3	
Elective II	xxxxxxx	E	3	
Elective III	xxxxxxx	E	3	
Technical Writing	16EN600	-	P/F	
Total E Credits			15	
<b>Semester III</b>				
Course**	Code	Type E or B	Credits	
			B	E
Sales & Distribution Management	MM403E	B	3	2
Business Communication	GM101C	B	3	2
Innovation and Entrepreneurship	GM512C	B	3	2
Logistics and Supply Chain Management	OM506E	B	3	2
Environmental Management & Sustainable Development	GM509C	B	3	2
Financial Management	FI203C	B	3	2
Organizational Behavior	HR202C	B	3	2
Managerial Values & Business ethics	GM610C	B	3	2
Project Dissertation I	IExxx	E+B	8	
Total E Credits			24	
<b>Semester IV</b>				
Course	Code	Type E or B	E Credits	
Project Dissertation II	IExxx	E + B	14	
Total E Credits (Semester I + II + III + IV)			69	

E: Engineering courses; B: Business courses

**\*\*Details of Business Courses to be offered in Tri-Semester Schedule**

<b>July - September</b>	<b>October - December</b>
Sales & Distribution Management	Environmental Management & Sustainable Development
Business Communication	Financial Management
Innovation and Entrepreneurship	Organizational Behavior
Logistics and Supply Chain Management	Managerial Values & Business Ethics

**LIST OF COURSES**

<b>Foundation</b>				
Course Title	Code	Type E or B	E Credits	
Probability & Random Processes	16MA610	E+B	3	
Statistical Design of Experiments	16MS605	E+B	3	
Innovation and Entrepreneurship	GM512C	B	2	
<b>Engineering</b>				
Course Title	Code	Type E or B	E Credits	
Advanced Materials	16MS612	E	3	
Solar Energy	16RE611	E	3	
Energy Management	16RE625	E+B	3	
Lean Manufacturing	16ME652	E	3	
Manufacturing Automation	16ME650	E	4	
<b>Business</b>				
Course	Code	Type E or B	Credits	
			B	E
Sales & Distribution Management	MM403E	B	3	2
Business Communication	GM101C	B	3	2
Logistics and Supply Chain Management	OM506E	B	3	2
Environmental Management & Sustainable Development	GM509C	B	3	2
Financial Management	FI203C	B	3	2
Organizational Behavior	HR202C	B	3	2
Managerial Values & Business Ethics	GM610C	B	3	2
<b>Electives</b>				
Course	Code	Type E or B	E Credits	
Elective I				
Selection of Materials & Processes	16ED601	E	3	
Bio & Hydro Energy Sources	16RE612	E	3	
Production & Operations Management	16ME654	E+B	3	
Materials Characterization Techniques	16MS611	E	3	
Elective II				
Materials Design	16MS613	E	3	
Advances in Manufacturing Technology and Metrology	16ME653	E	3	
Wind Energy	16RE613	E	3	
Elective III				
Energy Economics and Renewable Energy Policy	16RE602	E+B	3	
Optimization Techniques in Engineering	16ED654	E	3	
Project Management	16RE711	E+B	3	
<b>Projects</b>				
Project I	IExxx	E+B	8	
Project II	IExxy	E+B	14	
<b>Miscellaneous</b>				
Cultural Education	16HU601	-	P/F	
Technical Writing	16EN600	-	P/F	

E: Engineering courses; B: Business courses