

Annexure B

Mapping of PEOs to PLOs / Graduate Attributes (Sec 3.2.2)

PEC Graduate Attributes (as defined in Sec 3.2.2)	PEOs					
	PEO_1	PEO_2	PEO_3	PEO_4	PEO_5	PEO_6
Engineering Knowledge	✓	+	+	+	✓	+
Problem Analysis	✓	✓	✓	+	✓	+
Design/Development of Solutions	+	+	✓	+	+	+
Investigation	✓	✓	✓	✓	✓	+
Modern Tool Usage	+	+	+	+	+	+
The Engineer and Society	+	+	*	✓	+	✓
Environment and Sustainability	+	*	+	✓	*	+
Ethics	+	+	*	✓	+	+
Individual and Team Work	*	+	✓	✓	+	✓
Communication	+	✓	+	✓	✓	✓
Project Management	*	✓	+	+	*	+
Lifelong Learning	+	✓	+	+	✓	+

Note: ✓ means fully achieved, + partially achieved and * not achieve

Annexure D

Mapping of Courses to PLOs

Semester No.	Course Code	Course Title	Level of Emphasis of PLO (1: High; 2= Medium; 3=Low)											
			1	2	3	4	5	6	7	8	9	10	11	12
1	TE-113	Introduction to Textile Engineering	1	2	1	2					1			
	ME 114	Engineering Drawing	1	1	2							2		3
	ME-101	Engineering Mechanics	1	1	1	1								3
	MT 114	Calculus	1	1			2							2
	HS 105	Pakistan Studies								1	1	1		3
2	TE 111	Textile Chemistry	1	1		2		3	3			3		3
	ME 112	Thermodynamics	1	2	2	1	2					2		2
	ME 104	Workshop Practice	1	1	2							3		3
	HS 104	Functional English			2	1	2			1		1		1
	PH 122	Applied Physics	2	1		1	2					2		
	EE 122	Basic Electricity & Electronics	1	1	2	2	3					3		3
3	TE 203	Computer Programming & Applications	1	1	2	2	1			2	2	1	2	2
	TE 212	Dyestuff Engineering	2	1	2	1					2			3
	TE 214	Polymer & Fibre Science	1		3	3	3	3	3		3	3		2
	EL 232	Electronics	1	1	2		1	3	2		2	2		
	HS 205	Islamic Studies OR						1		1		2		2
	HS 209	Ethical Behaviour						1		1		2		2

Annexure D

Mapping of Courses to PLOs

4	ME 210	Fluid Mechanics	1	1	2	2	3	3			3	2		1
	MT 225	Linear Algebra & Ordinary Diff. Equations	1	1	1		2					2		
	TE 211	Textile Yarn Manufacturing Processes	1	2	2	2	3				2		3	
	MM 205	Mechanics of Material	1	1	3	2								2
	ME 205	Element of Machine Dynamics & Design	1	1	2	1		2	2		2	2	2	3
	ME 208	Material Science	1	1	2	2					2			
5	TE 312	Textile Fabric Manufacturing Processes	1	1	2	2	3	2			2	2	3	2
	TE 304	Textile Mill Utilities-I	1	2	2	2			2		1	2	2	2
	TE 305	Quality Control in Textiles	1	1	2	2								
	TE 316	Textile Chemical Processes-I	1	2		2	2		2					3
	ME 311	Manufacturing Processes	1	2	1	3		2	2		2	2		2
	HS 304	Business Communication & Ethics				2	2	1		1	2	1		
6	TE 313	Textile Product Evaluation-I	1	1	2	1	3	2	1					2
	EE 444	Electrical Drives	1	2	2	3					3	2		3
	ME 305	Machine Design	1	1	2	2	2	2	2					
	MF 303	Applied Economics for Engineers		2		2								
	MT 333	Advance Calculus & Fourier Analysis	1	1	2	2	2					2		3
7	TE 461	Advanced Yarn Manufacturing Mechanisms	1	1		2	3						3	3
	TE 405	Textile Mill Utilities-II	1	1	2	2			2		2		3	3

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	TE 409	Transport Phenomena	1	1	2	2	1			1	2	1		1
	TE 414	Textile Chemical Processes-II	1	1	3	2			2					2
	TE 451	Automation & Control in Textile	1	1	1	1	3			3				2
8	TE 462	Advanced Fabric Manufacturing Mechanism	1	1	2	2					2			
	TE 406	Textile Production Management	1	2	1	2	2	1			2	1	1	3
	TE 407	Textile & Environment	1	2	2	2			1					2
	TE 413	Textile Product Evaluation-II	1	1	2	2	1		2					1
	TE 408	Textile Engineering Design Project			2			2	2	2	1	1	1	2