

Name of Faculty : Dr. J.K. Quamara (Visiting Faculty)
 Discipline : All branches
 Semester : B Tech 1st yr (Both semester)
 Subject : B24-HSC-102 (Design Thinking)
 Lesson Plan Duration : 15 weeks
 Work Load (Lecture) per week (in hours): 03 hours

Week	Lecture Day	Topic (Including Assignment/Test)
1st	1	Understanding the Learning Process
	2	Assessing and Interpreting Learning
	3	Kolb,s Experimental learning theory (ELT)
2nd	4	Four stages of Kolb,s ELT
	5	Four Styles of Kolb,s ELT
	6	Understanding the Memory Process and Remembering Memory
3rd	7	Memory Enhancement Techniques and Problems in Retention
	8	Emotions: Experience and Expression
	9	Understanding Emotions: Experience and Expression- cont.
4th	10	Empathy and its definition
	11	Assessing Empathy
	12	Application with Peers
5th	13	Basics of Design Thinking
	14	Definition, Need and Objectives of design thinking
	15	Definition, Need and Objectives of design thinking- cont.
6th	16	Concepts and brainstorming
	17	Stages of design thinking process – empathize, define, ideate
	18	Stages of design thinking process – empathize, define, ideate - cont

7th	19	Ideate-tools for Generating Ideas
	20	Prototype
	21	Testing the Prototype
8th	22	Being Ingenious and Fixing Problems
	23	Understanding creative thinking process
	24	Understanding problem solving, testing creative problem solving.
9th	25	Process of Product Design
	26	Process of Engineering Product Design
	27	Design Thinking Approach
10th	28	Stages of Product Design
	29	Examples of Best Product Designs and product functions
	30	Examples of Best Product Designs and product functions
11th	31	Assignment-Engineering Product Design Assignment
	32	Importance of Prototype
	33	Rapid Prototype Development Process, celebrating the difference
12th	34	Understanding individual differences and uniqueness
	35	Understanding individual differences and uniqueness
	36	Group discussion and activities to encourage understanding, acceptance, and appreciation of individual differences.
13th	37	Design Thinking and Customer Centricity
	38	Practical examples of customer challenges
	39	Use of design thinking to enhance customer experience
14th	40	Parameters of Product Experience

	41	Alignment of Customer and Expectations with Product Design
	42	Feedback, Re-Design and Re-Create Loop
15th	43	Focus on user experience
	44	Address ergonomic challenges, user-focused design
	45	Rapid prototyping and testing, Final Product and Presentation.