

Branch Name:	Faculty of Design
Program Code:	MS102
Course Name:	Design Ethics & Ergonomics
Course Code:	21-FMM102-1C
Pre-requisite Course:	

Course Objectives:

- Introduces students to the ethical responsibilities and professional conduct expected of designers.
- Explains the principles of ergonomics and human-centered design in the design process.
- Develops an understanding of how design decisions impact users, society, and the environment.
- Emphasizes the importance of comfort, safety, and usability in product and fashion design.

Teaching and Examination Scheme:

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)								Total (Marks)
Lecture (L)	Tutorial (T)	Practical (P)	Credit	Theory (Marks)				Practical (Marks)				
				University Assessment		Continuous Assessment		University Assessment		Continuous Assessment		
				Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
2	-	-	2	09	25	09	25	-	-	-	-	50

Subject Contents:

Sr.No	Topic	Total Hours	Weightage (%)
1	Module 1: Introduction to Design Ethics 1. Meaning and importance of ethics in design. 2. Role and responsibility of designers in society. 3. Ethical issues in design practice (copying, plagiarism, sustainability). 4. Professional ethics and code of conduct for designers.	6	25%
2	Module 2: Introduction to Ergonomics 1. Concept and definition of ergonomics. 2. Importance of ergonomics in design and daily life. 3. Human factors in design (physical, cognitive, and psychological aspects). 4. Relationship between ergonomics, comfort, and usability.	6	25%
3	Module 3: Ergonomic Design Principles 1. Designing for human comfort and efficiency. 2. Posture, movement, and body mechanics in design. 3. Ergonomics in product, furniture, and workspace design. 4. Case studies of ergonomic design in everyday products.	6	25%
4	Module 4: Ethical and Sustainable Design Practices 1. Inclusive and universal design principles. 2. Environmental responsibility and sustainable design. 3. Ethical use of materials and resources. 4. Social impact of design decisions.	6	25%

Reference Books:

Sr. No.	Books
1	S. Bhattacharya – <i>Ergonomics in India</i> (2009)
2	G. K. Ghosh – <i>Indian Textiles: Past and Present</i> (for user-centered textile applications)
3	Ritu Kumar – <i>Costumes and Textiles of Royal India</i>

Course Learning Outcomes (CLO): On completion of this course, the students will be able to:

CLO	Description	Bloom's Taxonomy Level
CLO1	Explain the fundamental principles of design ethics, professional responsibility, and human-centered design.	1 Remembering
CLO2	Identify ergonomic factors that influence comfort, safety, usability, and user satisfaction in design.	2 Understanding
CLO3	Analyze the social, cultural, environmental, and ethical impacts of design decisions.	3 Applying
CLO4	Apply anthropometric and ergonomic principles in the development of fashion and lifestyle products.	4,5 Evaluate, Analyse
CLO5	Evaluate design solutions based on accessibility, inclusivity, sustainability, and user needs.	6, Creative
CLO6	Create user-centered design proposals that demonstrate ethical responsibility, functionality, and ergonomic considerations	3, Applying

Mapping of CLOs with Pos & PSOs

Course	Program Outcomes(POs)										Program Specific Outcomes (PSOs)	
Learning Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2
CLO1		M			L						M	
CLO2	M			H		H						M
CLO3	M		M				L				H	
CLO4		H				H		M				M
CLO5			H		M			H		M	M	
CLO6	M			H		H	M					M

H:High, M:Medium, L:Low