



Dr. Vishwanath Karad

**MIT WORLD PEACE
UNIVERSITY** | PUNE

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

MIT-WPU School of Design

First Year Course Structure for Product Design (Trimesters 1-3)

Trimester 1	Trimester 2	Trimester 3
Art, Design and Technology History	Graphics 2D	Graphics 3D
Design Sketching I	Design Sketching II	Ergonomics
Design Fundamentals I	Design Fundamentals II	Mathematics for Designers
Introduction to Photography and Videography	User Survey Methods	Introduction to Product Design
Workshop Skills	Introduction to Programming	Introduction to User Experience Design
Indian Culture and Heritage	Technical Drawing	Design Innovation Project I
Effective Communication	Rural Immersion Programme	Indian Culture and Heritage
Philosophers of Bharat, Great Kings/ Dynasties	Practicing Yoga and Meditation	Practicing Yoga and Meditation
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Second Year Course Structure for Product Design (Trimesters 4-6)

Trimester 4	Trimester 5	Trimester 6
Product Design I	Product Design II	Behaviour Design
Introduction to Materials and Selection	Design Methods and Creativity	Design for Manufacturing
Engineering Design Principles	Design by Analogy	Mechanisms for Product Design
CAID I	CAID II	Creative Computing
Design Science	Design Research Project I	CAE for Product Design
Design Prototyping	Emotional Intelligence	Design Innovation Project II
Mathematics for Product Design	Science and Spirituality	Environmental Science
Indian Constitution	National Study Tour	



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Third Year Course Structure for Product Design (Trimesters 7-9)

Trimester 7	Trimester 8	Trimester 9
PD Professional Elective I	Design Research Project II	Design Innovation Project III (or Internship including vacation time)
Open Elective I	PD Professional Elective IV	
PD Professional Elective II:	Open Elective IV	
Open Elective IIOpen Elective II	PD Professional Elective V	
PD Professional Elective III:	Open Elective V	
Open Elective III	Foreign Language	
Human Values & Professional Ethics	Spirit and Mind	

Professional Track	Name of Professional Elective Course	Open Electives	Calligraphy
Transportation Design	Two wheeler Design	Open Electives I	Calligraphy
	Automotive Systems and Design: Interior	Open Electives II	Origami
	Automotive Systems and Design: Exterior		
Furniture Design	Art and Craft in Furniture Design	Open Electives III	Ceramic Design
	Furniture Technology and Interior Design	Open Electives IV	
	Contemporary Furniture Design		
Product Design and IoT	Technologies, Data, Visualizaiton and IoT	Open Electives V	Standards and Regulations in Product Design
	Interface Design and IoT	Open Electives VI	
	Industrial Design and IoT		
Design for Additive Manufacturing	Additive Manufacturing(AM) processes	Open Electives VI	Design for BoP
	Design for AM		
	Pre and Post processing for AM		
Lighting Design	Lighting Design		
	Lighting Technologies		
	Lighting for Urban Spaces		
Sustainability by Design	Design for Environment		
	Design of Product Service Systems		
	Design for Social Innovation		



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Fourth Year Course Structure for Product Design (Trimesters 10-12)

Trimester 10	Trimester 11	Trimester 12
Design Management and Innovation	Gandhian Philosophy	Design Innovation Project IV (with/ without Internship): Stage II
System Thinking	Leadership	
PD Professional Elective VI	International Study Tour	
Open Elective VI	Design Innovation Project IV: Stage I	
Collaborative Design Project		
Design Entrepreneurship		

Professional Track	Name of Professional Elective Course	Open Electives	Calligraphy
Transportation Design	Two wheeler Design	Open Electives I	Calligraphy
	Automotive Systems and Design: Interior	Open Electives II	Origami
	Automotive Systems and Design: Exterior		
Furniture Design	Art and Craft in Furniture Design	Open Electives III	Ceramic Design
	Furniture Technology and Interior Design	Open Electives IV	Democracy and Design
	Contemporary Furniture Design		
Product Design and IoT	Technologies, Data, Visualization and IoT	Open Electives V	Standards and Regulations in Product Design
	Interface Design and IoT		
	Industrial Design and IoT		
Design for Additive Manufacturing	Additive Manufacturing(AM) processes	Open Electives VI	Design for BoP
	Design for AM		
	Pre and Post processing for AM		
Lighting Design	Lighting Design		
	Lighting Technologies		
	Lighting for Urban Spaces		
Sustainability by Design	Design for Environment		
	Design of Product Service Systems		
	Design for Social Innovation		