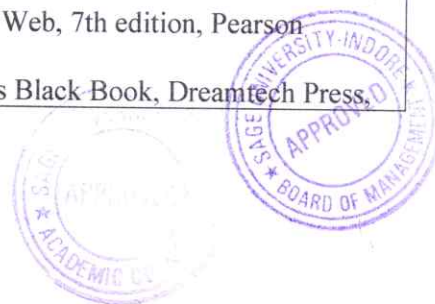


# SAGE University, Indore

<b>Institute Name: Institute of Computer Application</b>						
<b>Recommended for BCA</b>				<b>Semester: IV</b>		
<b>Course Name</b>	<b>UI design and tools [Figma]</b>		<b>Course Code</b>	<b>CAPDEUDT006T</b>		
<b>Credit Hours</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>N</b>	<b>Total Credits</b>	<b>4</b>
	4	0	0	0		
<b>Prerequisites</b>	Basics of User Interface					
<b>Course Objectives</b>	The purpose of offering this course is: 1. To introduce User Interface using Figma. 2. To introduce User Journeys, Greyscales & User Testing 3. To introduce Principles 4. To introduce how to Style the UI. 5. To make the students capable of design their own Figma project					
<b>Course Content</b>	<b>Unit 1: UI/UX Overview &amp; User Research</b> Intro to UI/UX, Good/Bad UX, X-hour: Notion & Figma Setup, Design Thinking, Team Design Sprint, Reading: Empathy Field guide, How to identify stakeholders, Defining Stakeholders, X-hour: Figma Basics, How to identify user needs, User Research, Reading: Interaction Design  <b>Number of lectures required:10</b>					
	<b>Unit-2: User Journeys, Grayscales &amp; User Testing</b>  Mapping the user journey, User Journey Maps + HMW, X-hour: Figma Grayscales, finding solutions & constraint cards, Sketch + Revise, reading: Don't Make Me Think  <b>Number of lectures required: 10</b>					
	<b>Unit-3: UI Principles &amp; Topics in UI</b> UI Principles, UI Analysis, X-hour: Figma UI Part 1, Colour and Font, UI Design in 3 Sprints, Reading: Refactoring UI Non-Traditional UI, Find UI in other Technologies, X-hour: Figma UI Part 2, UI Special Topics, Create UI for other Technologies, Reading: Creating UI Design.  <b>Number of lectures required: 10</b>					
	<b>Unit-4: Style Guide &amp; Project</b> UI Components, Style Guide Analysis, X-hour: Figma Advanced, Responsive Design, Style Guide for Responsive UI, Reading: Visual Display of Information, Intro to Final Project, Start of final project, X-hour: Portfolio Workshop, Design for Inclusion.  <b>Number of lectures required: 10</b>					
	<b>Unit-5: Reflect &amp; Present</b> Check-ins, Reflection, Presentations, Project Development based on Figma  <b>Number of lectures required: 10</b>					
<b>Text Books</b>	T1: Designing in Figma: The complete guide to designing with reusable components and styles in Figma.by Eugene Fedorenko (Author) T1: Ralph Moseley and M. T. Savaliya, Developing Web Applications, Wiley-India Private Limited, 2011. T2: Robert W. Sebesta, Programming the World Wide Web, 7th edition, Pearson Education, 2013. T3: Kogent Learning Solutions Inc., Web Technologies Black Book, Dreamtech Press, 2013.					



	2009.
<b>References</b>	<p>R1: Designing and Prototyping Interfaces with Figma: Learn essential UX/UI design principles by creating interactive prototypes for mobile, tablet, and desktop by Fabio Staiano</p> <p>R2: Joel Sklar, Principles of Web Design, Cengage Learning, 6th Edition, 2015.</p> <p>R3: B. M. Harwani, Developing Web Applications in PHP and AJAX, Tata McGraw-Hill, 2010.</p> <p>R4: Internet and World Wide Web How to program, Paul J. Deitel, Harvey M. Deitel, and Abbey Deitel, 5th Edition, Pearson Education, 2011.</p>
<b>Course Outcomes</b>	<p><b>After reading this course students will learn</b></p> <p>CO1: The User Interface design using Figma.</p> <p>CO2: User Journeys, Grayscale &amp; User Testing</p> <p>CO3: UI Principles</p> <p>CO4: How to Style the UI.</p> <p>CO5: Students will be capable of design their own Figma project</p>

**Mapping of Course outcome with Program Outcomes, PSO's, and Knowledge Levels (As per Blooms Taxonomy)**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	Knowledge Levels (K <sub>1</sub> , K <sub>2</sub> , ..., K <sub>6</sub> )
CO1	3	2				1			1		1	2	2	1		2	K <sub>2</sub>
CO2	3	3	3			2			1		1	2	2	1		2	K <sub>3</sub>
CO3	3	2	3	3		1			1		1	1	2	1	1	2	K <sub>3</sub>
CO4	2	2	3	2		1			1		2	2	2	2	2	2	K <sub>5</sub>
CO5	3	2	3	3	2	1			1		1	2	2	2	1	2	K <sub>6</sub>

High-3

Medium-2

Low-1

K<sub>1</sub> => Remember

K<sub>2</sub> => Understand

K<sub>3</sub> => Apply

K<sub>4</sub> => Analyze

K<sub>5</sub> => Evaluate

K<sub>6</sub> => Create

Designed By:  
(Name with Sign.)

Checked By:  
(Name with Sign.)

Approved By:  
Head of the Institute  
Institute of Computer Application  
SAGE University, Indore

