

Lecture Plan						
Name of the college: Government College of Arts, Science & Commerce, Sanquelim, Goa						
Name of Faculty: Pooja Naik		Subject: Computer Science				
Paper code: CSD 101 Human Computer Interaction		Program: T.Y.BSC			Division:	
Academic year: 2024-25		Semester: V			Total Lectures: 45	
Course Objectives: To introduce the foundations of Human Computer Interaction, design technologies and user interface design and development.						
Expected Course Outcome: To learn the guidelines for user interface design and development						
Student Learning Outcome: Develop meaningful user interface						
Month	Lecture From To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
June 2024	28/06/2024	03	The Human: I/O channels,	Tests and Revision	Power point presentation	1. Alan Dix, Janet Finlay, Gregory Abowd, Russell Beale; Human Computer Interaction; Pearson Education, 2004 (UNIT I,II and III), 3rd Edition
July 2024	01/07/2024 To 06/07/2024	03	Memory, Reasoning and problem solving	Tests and Revision	Power point presentation	
July		03				

2024	08/07/2024 till 13/07/2024		The computer: Devices, Memory, processing and networks;			
July 2024	15/07/2024 till 20/07/2024	03	Interaction: Models, frameworks, Ergonomics, styles, elements, interactivity,	Tests and Revision	Power point presentation	
July 2024	12/07/2024 till 27/07/2024	03	Paradigms, Interactive Design basics: process, scenarios, navigation, screen design.	Tests and Revision	Power point presentation	
July 2024	29/07/2024 till 31/07/2024	02	Iteration and prototyping. Usability engineering,	Tests and Revision	Power point presentation	
Aug 2024	01/08/2024 till 03/08/2024	02	Prototyping in practice, design rationale. Design rules: principles,	Tests and Revision	Power point presentation	
Aug 2024	05/08/2024 Till 10/08/2024	03	standards, guidelines, rules. Evaluation Techniques, Universal Design.	Tests and Revision	Power point presentation	
Aug 2024	12/08/2024 till 17/08/2024	03	Cognitive models Socio-Organizational issues and stake holder requirements;	Tests and Revision	Power point presentation	
Aug 2024	19/08/2024 till 24/08/2024	03	Communication and collaboration models-Hypertext, Multimedia and WWW	Tests and Revision	Power point presentation	2. Brian Fling; Mobile Design and Development, O'Reilly Media Inc., 2009 (UNIT –IV)
Aug 2024	26/08/2024 till 31/08/2024	03	Mobile Ecosystem: Platforms, Application frameworks	Tests and Revision	Power point presentation	2. Brian Fling; Mobile Design and Development, O'Reilly Media Inc., 2009 (UNIT –IV)
Sep 2024	02/09/2024 till 05/09/2024	02	Types of Mobile Applications: Widgets, Applications, Games;	Tests and Revision	Power point presentation	3. Bill Scott and Theresa Neil; Designing Web Interfaces; O'Reilly, 2009 (UNIT V), First Edition

Sep 2024	13/09/2024 till 14/09/2024	01	Mobile Information Architecture, Mobile 2.0,	Tests and Revision	Power point presentation	3.Bill Scott and Theresa Neil ; Designing Web Interfaces; OReilly, 2009 (UNIT V), First Edition
Sep 2024	16/09/2024 till 21/09/2024	03	Mobile Design: Elements of Mobile Design, Tools.	Tests and Revision	Power point presentation	3.Bill Scott and Theresa Neil ; Designing Web Interfaces; OReilly, 2009 (UNIT V), First Edition
Sep 2024	23/09/2024 till 28/09/2024	03	Designing Web Interfaces: Drag & Drop, Direct Selection Contextual Tools	Tests and Revision	Power point presentation	
Oct 2024	30/09/2024 till 05/10/2024	03	Overlays and Inlays	Tests and Revision	Power point presentation	
Oct 2024	07/10/2024 till 12/10/2024	03	Virtual Pages and Process Flow	Tests and Revision	Power point presentation	
Oct 2024	14/10/2024 till 19/10/2024	03	Future Domains, IHCI and Case Studies	Tests and Revision	Power point presentation	
Oct 2024	21/10/2024 till 22/10/2024	02	Revision			

*** Assessment Rubrics**

Component	Max Marks
ISA 1	08
ISA 2	07
Practical	25
Project	
Semester End Exam	60

Lecture Plan Practical						
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July 2024	01/07/2024 To 06/07/2024	2	Design Principles	Design and develop in Lab	Power point presentation	1. Alan Dix, Janet Finlay, Gregory Abowd, Russell Beale; Human Computer Interaction; Pearson Education, 2004 (UNIT I,II and III), 3rd Edition
July 2024	08/07/2024 till 13/07/2024	2	Report designs- Goal Action Model	Design and develop in Lab		
July 2024	15/07/2024 till 20/07/2024	2	Conducting survey interview and summarizing the result.	Design and develop in Lab	Power point presentation	

July 2024	22/07/2024 till 27/07/2024	2	Conducting survey interview and summarizing the result.	Design and develop in Lab	Power point presentation	
Aug 2024	29/07/2024 till 03/08/2024	02	Web User Interface Design- pages,navigation,controls,(AJAX)	Design and develop in Lab	Power point presentation	
Aug 2024	05/08/2024 Till 10/08/2024	2	Heuristic Evaluation	Design and develop in Lab	Power point presentation	
Aug 2024	12/08/2024 till 17/08/2024	2	Heuristic Evaluation	Design and develop in Lab	Power point presentation	
Aug 2024	19/08/2024 till 24/08/2024	2	Paper prototyping using templates	Design and develop in Lab	Power point presentation	2.Brian Fling; Mobile Design and Development , OReilly Media Inc., 2009 (UNIT –IV)
Aug 2024	26/08/2024 till 31/08/2024	2	Paper prototyping using templates	Design and develop in Lab	Power point presentation	2.Brian Fling; Mobile Design and Development , OReilly Media Inc., 2009 (UNIT –IV)
Sep 2024	02/09/2024 till 05/09/2024	02	StoryBoarding	Design and develop in Lab	Power point presentation	3.Bill Scott and Theresa Neil ; Designing Web Interfaces; OReilly, 2009 (UNIT V), First Edition
Sep 2024	16/09/2024 till 21/09/2024	2	Persona-Conducting contextual interview and developing persona	Design and develop in Lab	Power point presentation	
Sep 2024	23/09/2024 till 28/09/2024	2	Persona-Conducting contextual interview and developing persona	Design and develop in Lab	Power point presentation	3.Bill Scott and Theresa Neil ; Designing Web Interfaces; OReilly, 2009 (UNIT V), First Edition
Oct 2024	30/09/2024 till 05/10/2024	2	GUI Design-form design,menu design,help,error messages.	Design and develop in Lab	Power point presentation	3.Bill Scott and Theresa Neil ; Designing Web Interfaces; OReilly, 2009 (UNIT V), First Edition

Oct 2024	07/10/2024 till 12/10/2024	2	Revision	Design and develop in Lab	Power point presentation
Oct 2024	14/10/2024 till 19/10/2024	2	Revision	Design and develop in Lab	Power point presentation

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