

SWARNANDHRA

COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

Accredited by National Board of Accreditation, AICTE, New Delhi, Accredited by NAAC with "A" Grade – 3.32 CGPA, Recognized under 2(f) & 12(B) of UGC Act 1956, Approved by AICTE, New Delhi, Permanent Affiliation to JNTUK, Kakinada Seetharampuram, W.G.DT., Narsapur-534280, (Andhra Pradesh)

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

TEACHING PLAN

Cour			Semester	Branches	Contact Periods /Week	Academic Year	comm	Date of encement of emester	
20AM6E01 HUMA COMPUT INTERAC		ER	VI AI&ML 6		6	2024-25	18-11-2024		
COURS	SE OUTCOMES								
						A 57703			
CO1.	Apply the Human (ille developin	g software.[K3]			
CO3.		riate design model for HCI.[K1] portance of interaction styles.[K2]							
CO4.	Postulate appropria				ce for HCI[K	4]			
CO5.	Apply HCI in real t								
UNIT	Outcomes / Bloom's Level	Topics No.	THE REAL PROPERTY.	Topics/Activity		Text Book / Reference	Contact Hour	Delivery Method	
	Diodin's Ecver		TRADUCT	TON AND DECK	IN PROCES		Hou	Methou	
		IN	IRODUCI	ION AND DESIG	IN PROCES	8		- 4	
		1.1	Interaction	n design basics	esign basics T1		1		
	CO1. Apply the Human Computer Interaction (HCI) principles while	1.2	process of	fdesign		T1	1	1	
1		1.3	user focus	-navigation		T1	1	Chalk and Talk	
		1.4	screen des	sign and layout		T1	1		
		1.5	Iteration a	nd prototyping		T1	1		
		1.6	HCI in the	e Software process		T1	1		
	developing	1.7	Software	life cycle		T1	1		
	software.[K3]	1.8	Usability	engineering		T1	1		
		1.9	Iterative d	esign and prototyp	oing	T1	1		
		1.10	Design Fo			T1	1		
		1.11	Design rationale		T1	1			
		1.12	Design Ru	ıles		T1	1	Chalk and Talk	
	CBS		1	Real-World Applic	ations		1	PPT	
						Total	13		
				MODELS		.:			
		2.1.	Cognitive m			T1	1	Chalk	
II		2.2		sk hierarchies		T1	1	and Talk	
		2.3	Linguistic n			T1	1	and run	
		2.4		f display-based sys	stems	T1	1	1	
	CO2 Id-uic-ui	2.5		d device models		T1	1	-	
	CO2. Identify the appropriate	2.6	Cognitive an	chitectures izational issues an	d	T1	1	-	
	design model for	2.7		requirements	u	T1	1		



SWARNANDHRA

COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

Accredited by National Board of Accreditation, AICTE, New Delhi, Accredited by NAAC with "A" Grade – 3.32 CGPA, Recognized under 2(f) & 12(B) of UGC Act 1956, Approved by AICTE, New Delhi, Permanent Affiliation to JNTUK, Kakinada Seetharampuram, W.G.DT., Narsapur-534280, (Andhra Pradesh)

	HCI	2.8	Organizational issues	T1	f 4	Ē
		2.9	Capturing requirements	T1	1	
		2.10	Communication and Collaboration models	T1	1	-
		2.11	Face-to-face communication	T1	1	
		2.22	Conversation - Text-based		1	-
	CDC	2.22	communication - Group working	T1	1	
	CBS	4	Social Media Interaction Design		1	PPT
			*	TOTAL	13	
			INTERACTION STYLES			
	à	3.1	Dialog notations and design	T1	1	
		3.2	Dialog design notations	T1	1	-
		3.3	Diagrammatic notation	T1	1	
		3.4	Textual dialog notations	T1	1	
		3.5	Dialog semantics	T1	1	
	CO3. Understand	3.6	Dialog analysis and design	T2	1	Challage
Ш	the importance of interaction styles	3.7	Models of the system	T2	1	Chalk & Talk
		3.8	Standard formalisms	T2	1	
		3.9	Interaction models	T2	1	
		3.10	Continuous behavior and Modeling rich interaction	T1	1	
		3.11	Status-event analysis - Rich contexts	Т1	1	
	CBS		Emotion Recognition in Dialogs		1	DDT
			3-	TOTAL		PPT
				TOTAL	12	
	T		WEB INTERFACE DESIGN - I			
	CO4. Postulate appropriate interaction styles Design a web interface for HCI	4.1	Designing Web Interfaces	T1	2	
		4.2	Drag & Drop	T1	1	-
		4.3	Module, List, Object,	T1	2	Chalk & Talk
IV		4.4	Action & Collection	T1	1	
		4.5	Direct Selection	T1		
		4.6	Toggle & Collected	T1	1	
- 1		4.7	Contextual Tools		2	
				T1	1	
	CBS		Loading and Performance Optimization			
	CBS		Loading and Performance Optimization		1	PPT
	CBS			TOTAL	1 11	PPT
e line	CBS		WEB INTERFACE DESIGN - II	TOTAL		PPT
		5.1	WEB INTERFACE DESIGN - II Overlays – Dialog	TOTAL T1	11	PPT
v	CO5. Apply HCI	5.2	WEB INTERFACE DESIGN - II Overlays - Dialog Detail, Input - Inlays	920000000		
v	CO5. Apply HCI in real time	5.2 5.3	WEB INTERFACE DESIGN - II Overlays - Dialog Detail, Input - Inlays Dialog, List	T1 T2 T1	11	Chalk &
v	CO5. Apply HCI	5.2	WEB INTERFACE DESIGN - II Overlays - Dialog Detail, Input - Inlays	T1 T2	11	



SWARNANDHRA

COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

Accredited by National Board of Accreditation, AICTE, New Delhi, Accredited by NAAC with "A" Grade – 3.32 CGPA, Recognized under 2(f) & 12(B) of UGC Act 1956, Approved by AICTE, New Delhi, Permanent Affiliation to JNTUK, Kakinada Seetharampuram, W.G.DT., Narsapur-534280, (Andhra Pradesh)

	T	5.6	Inline Paging	TI	1	
		5.7	Scrolling Paging	T1	1 .	1
	5.8 Virtual Panning		T2	1		
		5.9	Zoomable User Interface	T1	1	
		5.10	Process Flow	TI	1	PPT,
		5.11	Transitional Patterns	T1	1	Videos
		5.12	Purpose of Transitions	T1	1	
	CBS Responsive Typography			1	PPT	
		9	Y	TOTAL	13	
			CUMULATIVE PRO	POSED PERIODS	60	
Text Be	ooks:					To Park In Land
S.No	AUTHORS RO	OOK TITLE	EDITION PUBLISHER VEAR	OF PUBLICATION		- Control of the Control
T1	AUTHORS, BOOK TITLE, EDITION, PUBLISHER, YEAR OF PUBLICATION Rogers Interaction Design: Beyond Human-Computer Interaction, Sixth Edition Paperback – Import, 1 June 2023					
T2	Bill Scott and Theresa Neil, —Designing Web Interfacesl, First Edition, O'Reilly, 2019.					
	nce Books:					
S.No.	AUTHORS, BOOK TITLE, EDITION, PUBLISHER, YEAR OF PUBLICATION					
R1	Julie A. Jacko (Ed), —The Human-Computer Interaction Handbookl, 3rd edition, CRC Press, 2012.					
R2	M.G. Helander, —Handbook of Human-Computer Interactionl, Elsevier, 2014					
R3	Andrew Sears, J Press, 2009.	ulie A. Jacko	, —Human-Computer Interaction: De	sign Issues, Solutions,	and Applic	cationsI, CRC
Web D						
	https://onlinecou	irses.nptel.ac	in/noc19_cs86/preview			
	https://psu.pb.un	nizin.org/ist1	0/chapter/5-1-introduction-to-design/			
	https://www.youtube.com/watch?v=cWhL7YsAqbg					
			-interface-design			
	https://hcibook.com/e3/chapters/ch16					

		Name	Signature with Date
i.	Faculty-I	B.Harita	(BA)
ii.	Course Coordinator	Dr.G.Sudhakar	Ole
iii.	Module Coordinator	K.Jai Prakash	John .
iv.	Program Coordinator	Dr.B.RamaKrishna	BRE