CSE4015	HUMAN COMPUTER INTER	RACTION L T P J C
		3 0 0 4 4
Pre-requisite	Nil	Syllabus version
Anti Requisite	ITE1014	1.0
Course Objective	s:	
validations 2. To make th 3. To use the applications	the basic knowledge on the levels of interaction focusing on the different aspects of human-content learners to think in design perspective and to concepts and principles of HCI to analyze and set familiar with recent technology trends and characteristics.	omputer interface and interactions of evaluate interactive design propose solution for real life
Expected Course		anongeo in 1101 domain
	the basic concepts of human, computer intera	ctions
2. Create the	processes of human computer interaction life of	evele
	d design the various interaction design models	
	nterface design standards/guidelines for evalua	ating the developed interactions
	ne different levels of communication across the	
6. Apply prod	uct usability evaluations and testing methods	
7. Demonstra	te the principles of human computer interaction	ons through the prototype modelling
Student Learning	Outcomes (SLO): 5, 8, 17	
Module:1 HC	I FOUNDATIONS	6 hours
Input-output cha	nnels, Human memory, Thinking: reasoning a	nd problem solving, Emotion,
	nces, Psychology and the design of interactive	
	ing and drawing, Display devices, Devices for	
	sensors and special devices, Paper: printing an	
Module:2 DE	SIGNING INTERACTION	6 hours
Overview of Inte	raction Design Models, Discovery - Framewor	k, Collection - Observation,
Elicitation, Interp	retation - Task Analysis, Storyboarding, Use C	ases, Primary Stakeholder Profiles,
Project Manageme		
Module:3 INT	ERACTION DESIGN MODELS	8 hours
Model Hamen Du	Working Morrowy Long Town Mo	Dungagan Timing Verboard
	ocessor - Working Memory, Long-Term Me perators, Encoding Methods, Heuristics for	•
-	odel Does Not Model, Application of the Key	-
	Modeling Structure, State Transition Netwo	
Model, Physical Mo		Aks Timee state Model, Simipse
	DE LINES IN HCI	6 hours
0	golden rules, Norman's Sever principles, Nor	
	ristic evaluation, contextual evaluation, Cogniti	
	LABORATION AND	5 hours
	IMUNICATION	
	nunication, Conversation, Text-based Commun	1 0
0	Diagrammatic notations, Textual dialog notation	ns, Dialog semantics, Dialog analysis
and design		Τ
	KANTELOTODO ANTO OPOTIPITA	
Module:6 HUM	MAN FACTORS AND SECURITY	6 hours
Module:6 HUM Groupware, Meetin	ng and decision support systems, Shared applic	ations and artifacts, Frameworks for
Module:6 HUN Groupware, Meetingroupware Implem		ations and artifacts, Frameworks for

**CONCEPTS** 

Val	idations -	- Usability testing, Interface T	Testing, User Accept	nce Te	sting			
		ture of HCI: the past, prese				context-awareness and		
	ception	1 ,1	, 1		,			
	dule:8	RECENT TRENDS				2 hours		
		·	Total Lecture hou	s: 45	hours			
		l						
Te	xt Book(s	(s)						
1.	A Dix,	Janet Finlay, G D Abowd, R Beale., Human-Computer Interaction, 3rd Edition, Pearson						
		ers,2008	•					
Ref	ference E	Books						
1.	Shneide	erman, Plaisant, Cohen and Jacobs, Designing the User Interface: Strategies for Effective						
	Human	n Computer Interaction, 5th Edition, Pearson Publishers, 2010.						
2	Hans-Je	Jorg Bullinger," Human-Computer Interaction", Lawrence Erlbaum Associates, Publishers						
3	Jakob N	b Nielsen," Advances in Human-computer Interaction", Ablex Publishing Corporation						
4		mas S. Huang," Real-Time Vision for Human-Computer Interaction", Springer						
5		e et al, Human-Computer Interaction, Addison-Wesley, 1994						
Мо		aluation: CAT / Assignment		, ,				
Recommended by Board of Studies 04-04-2014								
Approved by Academic Council		y Academic Council	No. 37	ate	16-06-20	015		