

Confirmed Charles Target

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Subject: User Experience Design With VR

	Module 2
	Topica
2.1	Defining the UX, Design Process & Methodology understanding user requirements &
	funderstanding user requirements 2
	goals
	Understanding the Business Requirements
171	goula, Mer Research
_%	Mental Models
	nire frames
	Proto typing
-	Usability Testing.
70.00	User Enperience
1000	Ux your lengerience is the polistic tourner
	men flaverse as they use a
	product. Not only does it include their
100	aired interactions with the products but
	They overall truly
x 17 5 3 24 1	completion process.
	Design Process & Noll 11
	Design Preocess & Methodology
	you ween't emported by set and helpery
	you aren't empected to get any solution
	goals while user research mill provide
	solutions to reach the goals.
	Amen's

Prof. Kanchan Wankhede Departr

Department of Computer Science & Engineering-(AI&ML)



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	(User)
	(Rescar) (Design) (wire)
47 101	THE STATE OF THE PARTY OF THE P
	and the triangle that the test of the test
	(impleme) (Proto)
	Testing (Proto)
	figure UX process & Methodology
1	Wire Franing:
7	whe range;
1)	Vaer Research:
	Ux recognists in the state of the
	Ux researches such at is the best ux for
	your neboite product or service
1.00	most. A UX researcher should always
	be mindful of the differences in opinions & perceptions towards a good user
	Impurience a food user
t. 1.	to not make assumption based of your
1 1	Imperience If you do so you will not be
	able to understand the need of usurs.
	The state of water.
2)	Design:
S LAN	Maus may think of the gonearage al
	the of succest when the
	about design. It is more important the
	about design. It is more important than I keep in mind that design is More than
	that apprecince,



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	Caspeti Oser Experience Design With VK
414	design isnot just what it looks like
- 13.15	& feels like; design is how it works.
4.	UX design comperizes UX elements from
1000	information architecture, Visual design,
	interaction disign, content strategy to
	sitemape.
2)	12.
	Wire Franing:
-3-7-3-45	Lets say you gathered all the required
•	infermation from user interviews, built
	user personas e established user flow
-13	now what? now it a time to create
	the whole function visually & now its
- P	the time to nuire framing it.
-	Wireframing helps you to evaluate your
F 1 -	whole disign by visually displaying
	how the whole function works together
	not only for decisions
8.	not only for disigners but also helpful
	Also, making changes to the wireframe
	is much easier that making charges
	to a high-tidelity.
4)	Perototype:
7/	
-	Prototype allows the UX researchers to
	examine & identify lany flaws, every
	or inconsistencies in overall design &



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8 enjurience before it is converted to the
actual version by the development trang
Also, it is a model of your product
that you can use to fest how well
it works before you put it on the
- Lmarket
Following point is key benefits of
puototyping:
The prototyping models work best when the system needs to interact with users frequently
system needs to interact with users
frequently
when this model is used, it resulte
I WILL POLICE to tind points to
fudback from using quickly, leading to better solutions.
This method gives the usua a better
uncerstanding of the system being built
Elies in a working model.
of the system.
Moer testing can be conducted with
User testing can be conducted with
work to vouldate the design the
togradue. Testing usually male,
there were the college there
to continuosly improve the product
a testinate and a first of the spirit and the spiri



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Subject: User Experience Design With VR

<u>i)</u>	Heuristic Evaluation: Howeistic evaluation
	of the exploits remember of mebrite's
	usability ale to a list of usability
	principles & common heuristics.
	while Ux experts could never suplace
	ever testing, they are able to identify
	any discrepancies from the common
	THE STICE
- 11)	Vaability Testing:
450	It is a technique for determining the
	the of product. This testing
Acres of	as Typically performed of hear usus
	in order to uncover usability flows
-	of a very effective in identifying potential
	and I of design issues & employee
	more in distinguishing
W. David	It conducted property with a defined.
	1 1 1 2 Duo Claures. all amine
ii¶)	AB Testing & Multivariate Testing:
	1113 restry 12 a method of comprisin
	The sold of we have the product
A Little	offerme which one has bother
	Andrinance It is invited in
	THE OF CONTRIBUTED TO CITY
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- 42	The state of the s
	multiple variables as suggested.
	00



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	Heuristic Evaluation: Howeistic evaluation
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	usubility ale to a list of usability
	principles & common heuristics
	while VX enperts could never suplace
	uses testing, they are able to identify
وينالينه	any discrepancies from the common
	THUUSH CR
	Vaability Testing:
- 244	It is a technique for determining the
	ease of use of product. This testing
<u>. 1411 -</u>	is typically performed of seal usurs
4	in order to uncover usability flaws.
	It is very effective in identifying potential
	trability or design issues & emplore
	in during in dintipopulity
Jal Boot	It conducted properly with a defined
6.	procedures. all alone
iiq)	AB Testing & Multivariate Testing:
	All's testly is a method of comparing
	2 versions of a website or surdect
التاميد ام	to determine which one has botter
	purformance It is usually used to
	test new or convinental feature
	made before Aroduct act enland
	Turnyagare testing has the same
- 14	silvery of fir but It Mecisures
	multiple variables as suggested



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10.136	by its name. The educationship among
	there something is studied to exactive
	the most effective disign combination.
	The transferred beaution of the property of the state of
6)	Implementation:
201	After the usability testing phase or
	complete. The products & services
	are introduced to the market 10 see
-	is they are successful.
	If they don't pass the test they are
444	reconsidered in order to get red
	of the publicy that were discovered.
	Herating is a going process & 11-
a cha	not done until users are fully
15 kg	patisfied.
	State I of Itt solve built by Lanta Libert
840	Understanding Mair lequirements & Coals:
*	Mair nelds & vocals 12 a crudal
	step in Vx. It involves resecurching
51.1	analyzing the target audknie to
4.45	deterrine their needs, preferences
	behaviours To start gather as much
No.	information as persible about the
	users, which includes demographics, like
	age, gender & accupately as well as
	Their goals & pain points.
*	Conducting user interviews & surveys
Title .	Lan provide valgable insight into

Department of Computer Science & Engineering-(AI&ML) Prof. Kanchan Wankhede



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	there user's need & behaviours
*	Create early pursonas to supresent
	the different types of users. These
- 333	pursonas should include information
10	about the ever's goals, motivations
	8 pail points
*	Analyze the data & identify patterns &
111	Hends. This mill help to identify the
That Is	key needs & goals of the users, as
rill with a	well as any paid points that need to
	be addressed in the design.
*	For creating nirefrance & markups
	keep the user needs & goals in mind
"Astrica	8 design the interface to meet those
4	needs.
*	Continuously test the design with real
	eisers to ensure that it meets their
4	needs & goals which includes ever testing
-	usability testing & AB testing.
-	Bund of the fuchach iterate & infrare
	the design uchich mill ensure that
-	He Local Dypolact is enforce
	accidic neldo of goods of the warry.
	Or undown triving likely needs a good
	a dayaning with those needs it
	LICH COUNTY CHOCKET
	Hours Hours
	positive user Enperience & inviende engagement
	19WSITTO SOURCE (MEMIL)



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	Under standing the Business Requisions to
	Under standing the Business Requirements/
	Business & other organizations have
	their own requirements for products
	services & system, which you also
	should model & consider what devising
	disign solutions.
	The goals of business, where users
	& customers work, are captured in uses
	& customer personas as well as organiza
	-tional "pursonas". It is important to
	identify the business goals of the organ
- 1 -3	commissioning the design & developing of selling the product early in the design
	to selly the product energy
9	Business goals include the following:
	Invierse Profit
	Increase market share Retail Customers
_	Defeat the competition
-	mayo efficiently
	effer more products or survices.
-	office more francisco
-	Kup itz Ip secure.
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	and the second second
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1 r 10	high sure of the state of the s



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Ne-	
7	Reflective:
	Reflective to the most least immediate
	level of processing which involves conscious
	consideration & Suffection of
	consideration & Ruffection of past enpuriences.
	Reflective processing can enhance or
	sengral successing hut
	MS(exa) Hearting
	COSINTIVE DUDGIONIN.
	The state of the s
	direct interaction or purception.
	Following be the three three tures of
	correspond by stressed late from Joak
	seffective penanting land
	Following be the three types of war goals correspond to visceral, behavioral & reflective procuring levels.
1)	le mousieure and
2)	lenquience goals lend goals life goals
2)	Dila goals
21	THE GOOD.
1	
1)	Enperience Coalz'
	Enpurience goals are simple, liniversal
	the supplied of the supplied of
-	The state of the s
	or the quality of his or her interacts
10 A	with the product. Interaction
"FEW	
A. Para	
	3)



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	These goals also offer insights into personal motivation that express themselves
dest.	at the viscoral livel:
_	Feel smart & in control
	Feel reassured about security &
	Feel cool or hip or relaned.
-	End Coals.
	fend goals supresent the users motivation
	for sweforming the tasks associated with
	The state of the court
	more you pick up a cell shope or ones
	with a word - DUDGERADI
	they have as outcome in mind
1	IT THOUGHT OF RUNCE CAN help by
	THEOLY WILL ALLEN ADOLLA NIGHT
	Theraction diplanets much
	The following to the first
Lu	TO T
	to the enamples of oni
	To any.
	Be aware of problems before they
h.: 4	orange Duffau.
	Stay connected swith friend & family.
	Get the best deal.
	(3)



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3)	Life Coals:
	life goals rupresent the user personal
	and it dies that trained the
1-14-	content of the purduct being disigned
	context of the purduct being disigned
	the goals discribe a pursona's lone
	term desilves, motivations & self-image
	attributes which cause the pursona to
Rich all	connect with a product.
	These goals are the four of predute
	more design and the property of
	overall design, strates y & branding.
	Live the good life
	succeed in my ambitions to etc.
	The state of the s
15	
F.T	



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	User Research:
A TANK	Maer Enperience research is the
Livous.	systematic investigation of your
	users in order to gather insights
	that will inform the design mours
	with the help of various user research
LA	techniques, you'll set out to understand
b	your user's need, altitudes, pair
h Del (18)	pients & behaviour
577	Typically done at the start of a
A 17 A 18 A 1	project - but also entremely valuable
	throughout - It en compasses different
2.0	types of susecuch methodology to gather
	poin qualitative & quantitative data 11
A PLANT	relation to your product or service
*	Qualitative VX resecurch: results in
	descriptive data which look more cot
112.12	how people think & fiel. It helps to
	find your usu's opinion, problems,
16	Successor & motivations.
*	Quantitative VX research: On the other hand
110	generally produces numerical data that?
	more at the statistice. Syantitative data
	is used to quantify the opinions &
	behaviours of your evers.
Jen of Can	All statements of the tenth of the state of
	of indicate in the property of the state of



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	Weer research rankly rulies on just one -
	form of data collection & offer uses -
	both qualitative & quantitative research -
	methods together to form a bigger -
	picture. The data can be applied
4220	to an existing product to gain -
Lych	insight to help improve the prioduct -
	enpuriences, or it can be applied -
	to as enticely new purduct ies survice.
:xb	
7	The purpose of user research is to
-	put your disign project into content
	which helps to understand the
- 44.	publing you are trying to understand.
	Throughout the design process UX
	research will aid you in many ways.
	which will help to identify problema
	2 challenges.
2.1/	(11- 1121 dan't take the time to
*	If you don't take the time to
	engage with real fisher, its virtually
	impossible to know what needs
	2 pais points your design should
	address.
	In anyway were research always come
	first followed by usability testing
1	8 ilasalias thursuslasut This is
	2 Herary Portland the design
	secure research makes the design
	better. The end goal is to create puoducks & survices that people want to use
	& services that people want to use



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	For smaller or less compley products
	a single miretrare is sufficient to
	serve as a template for all the
	screens that will be build.
	multiple nuirefrances auce needed to
	convey the complexity of the intended
	ecrult.
	People cure reconorsible for strategy,
	scope & structure can refer to the
_	hireframe to confirm that the final
1	product will the meet their expectations
	Wirefrance, being the place where
	information architecture & visual
Ì	design come toghether together, is offer
	a subject of debate & dispute.
_	The value of rurefrance is the way
1	they integrate all 3 elements of
	the structure plane:
	Interface disign through the arteureme
	Interface disign through the arrangement of interface elements.
	navigation design through the identification
	& definition of core navigation as
	system. & information design, thereigh
_	the placement & purovitization of
	informational components.
19	shirth a surface of the same o



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P. Lalance : distributed by the state of the
- Prototype:
A puototype can be anything from
a paper-based storyboard through
to a compley piece of software, &
from a cardboard modeup to a
molded or prussed piece of metal.
A prototype allows stakeholders to
interact with as envisioned product
to gais some enperiences of using
it in excaliatio setting of to employe
imagined uses.
They are a communication device among
team members, & are an effective may
no test out ideas for yourself. The
activity of building prototypes encourages
enfection in design & as successized by
designus from many disciplines at an
important aspect of the design process
It sures a variety of purposes:
for ly: to test out the technical feasibility
rof as idea, to clarify some vague requirem
- ents, to do some user testing & evaluation
or to check that a curtary design
direction is compatible with the east
of the system development.
- July 15 Jever all man
and the state of t
The state of the s



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