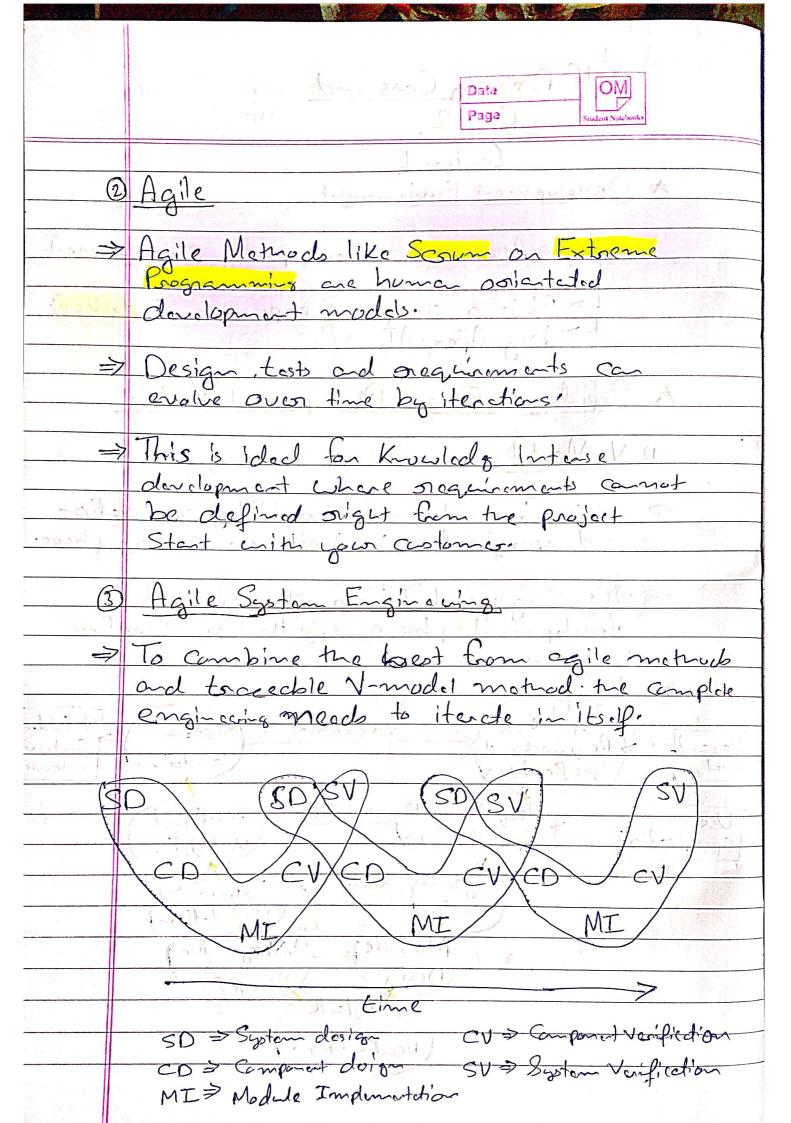
	Self-Dairing Cars and Date DM
	ROS 2 Date Page
	Lecture 1
<b>A</b>	Development Environment
The state of the s	
	ade => Acresome development environment
**************************************	Dy Apax. AI
	by Apax. AI
	0 1 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
*	Popular Software Development Models
SECTION SECTIO	V-Model La Maria de la
->	At is focused on toceeability, validation and verification in between every phase
7	and verilication in bothsom evenus phase
=>	At's Segmented into Chronological
	development phases with no itenctions.
Maria Harri	in between toors and anide de E-
m.166	When it will a million of the line of the
	Safety Validation System Validation
Hazend Analysis	> Requirement System
ا درگیت	Specification
Users	Regulation (Functional) Specification (Validation (Validation)
Specificat	Specification Validation
	System Ventfiction System
	Design Verification Validation
	Module Antogration
	Design Design.
	Nodule
10	(Realisation)
	Mi I sto lide Tringlens I his a





7.35	
*	Design Goals
0	Reliability => Executable code consistently
1.7	fulfills al nequirements in a
	porcdictable manner.
N. Andrews	Attaches a Made Hard Hard Hard Hard Hard Hard Hard Hard
<u></u>	Postability => Source code is postable
	(not compiler on linker depodat)
1	of a land of the state of the s
6	Maintaindility => Source Rode is written in a
(3)	
	manner that is consistent, neadable
	, Simple in design, and easy to debug.
	T-111'1'1 -> 2 10.1'. C12-14. +0
1 - 0	Testability => Source code is written to  facilitate testability.
	fallitates residently
E	0 1111 \ T a d at al = 2 = 110
	Re-usability => The design of neusable  Components is encouraged. Component
	Components is encouncing and component
	oreuse can eliminate oradundant
	development ad tot cetivities.
	- Co-19047
(6)	Extensibility => Requirements and expected to evolve over the life of a product.
E (O	evolve over the life of a product.
	Thus, a System should be downloped
No. of the second	in a extensable maman.
3 1000	
(F)	Readobility > Source code is written in a manner that is easy to read,
	manner that is easy to read,
100	

Date OM Student Notebooks

	Unit Testing
*	Unit Testing
	Ol 1 1 a 1 Com a silla and achter of
	Staueturd code Coverage is a measure of
*	the completion es of Software testing showing
	which aron of the Source code are exercised
	in the application daring the test.
1	Did trend i olas minima de de constant
11.	This pravides a Convenient way to ensure that software is not oreleased with untested
3	not soffware is not sherework with
3 1 1	Codence d'alice and Edite al cialité
mick-frame	A Lasa Hall Tosh
V V	Antegration Testing
	Complete perception can be tested board on large datasets if you have labeled
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	The contact of the land between the fort wan
=	To create closed box integration for you
	To create closed bop integration tot you will mad a Simulation like Gazabo that
	, can be integrated into continuous integration
	pitelind.
	130m one of the Manual of Alidiamoto I (a) Be
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