## SE- Wotes



MTWTFSS

1 41 200962 :-
Software is a collection of executable
& September 3
Software is a collection of enterior of enterior of program codes, associated libraries of
· · · · · · · · · · · · · · · · · · ·
of sufficience
characteristic - I alone or engineered
a software is developed
not Many factured of the
documentation of software  likaracteristic of software  software is developed or engineered,  not Manufactured, - copy modify  not Manufactured, wear out to express date  software closed not wear out to express date
=) software does not wear out to express dots =) software is custom built
=) 5 oftware is custombuilt
evolving Role of Software.
1) 5/w is a product
Produces manages & displaying into
The state of the s
i) 5/w is a process  vehicle for delivering the product  The supports or directly provides
Vehicle for children acquides
Supports or arred of
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
- It control other programs - 05
- allege communication - Nerwork
a ilding other software ex- stwares
- The control office program - Network  - Officers communication - Network  - Helps in Building other software ex-slw Tests



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Changing nature of 509	stware
Software - aerywhere &	
It keeps on changing brown	n one Situation
1) System Software:	
collection of programs win	Hen to
provide services for one.	Jord y car
eg:- compiler, filem, Editor	Contract
) Application software in	D 21 CAVE /2
designed to help usen to	pro perform
speage resi-	TOTAL STATE
eg C, Java	A Company
3) Enginologina & scientific &	offware
3) Engineering & scientific & for complicated numeria	calculation
Ex: calculus statisti	cs
4) Embedded software	1/20
lies in handware system  control hunction	El used by
control function	
ex:- Microwave over	control



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Pate:
of product line software  St provides specific capabilities forst  ey computer geophics. DBMs
It provides specific capabilities forst
ey computer geraphics. OBMS
The set of the soundablancher se
b) web application
these are used over a Mis
Ex website
Cally and the contract of the
of Artifical Intelligence 5/W
Non-numeric algo to solve complex
problem
Robotic, Garring.
TOBLISON
50 ptware Engineering
A layered Technology.
Juality focus: Autolsemi (Froe) Houto The Joundation, Autosupport Method Houto emphasizing correctness Process - burdion integerity, usability. Guality Process: - pramwork activity action & support tesse  Method: - Techical approach for implementing
thatity focus . Autosulla Tracto
the boundation. Discool - fourthing
emphasizing correction it to cost
integerity, assorting guardy redrock
Process: to any south cuchicity cuction of support
turk
Medladi- To lin la Domat las insola "
Tools: - Automated support for the chevelyperent
'ooks :- Automated supports for the developerun!



Date:	MTWTFSS
5/W Process.	FISIS
Process framework Establish the foundation by identifying small no of activities a umbrella activit one applicable for entire Process.	of branework
Process frame works	AND AND IN
Framework Activity	
Tousk set	
Milestone, work good	ud
umbrella a chivity	



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activities. - Small Project panowork communication:

involves communication with

customer & gathering requirment Planning:

It establish plan for Project Modelling .constructing Models so that
constructing Models so that
customer can understand the
requirment a design in a betterway 2 analysis & design. construction combo of code of texting. Deployment 51 w is delinered to constorner, + Leedback



Date: / / W T F S S
UMBRELLA ACTIVITIES large project
to track, control & Manage the project
1) S/w project tracking & control-team.
2) Risk Management - Identifyrish, analysis, so we.
3) 5/w Juality Assurances
m) formal Technical Reviews.
5) Measurment - Cost, time, Manpower
1) 3/w configuration management - change & effects.
7) Re Washing Managemeny
Ocriteria for revasability.
3) work product prepeartion of production



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software Engineening.
1) un desstand the problem.
2) plan solution
3) covery out the Plan
4) Examine the result for accuracy
Softwure Engineering principles
Value de Users:  The primary goal is to provide  value  Kiss (Keep it simple, Stupid) Design should  be as simple as possible
Maintain the Vision: - A clear vision in
Design with upderstanding



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Be open to the future: - System should be adaptable.
Plan Ahead for Reuse: - Reuse saves time & effort.
Think! Thoughtful planning leads to better result
Software Myths.
Management Myths.
Available Standards & Pro-cedure.
Book should be correct complete.  A adoptable to new comming technology.
we can add workers when we get behind the schedule
Forom the beging itself have to train a take workers.
a workers,



MTWTFSS Date: \_\_\_\_\_/\_\_\_/ we can outsowner the project to third party & relax They will take care of Project keep on following, & have to reep on loop I touch customer myth A general statement of objective is enough. essential for defining requirment Practitiones Myth thee the program works, the Job is done Maintanance et evolution Consume significant efforts