OBJECT CRIENTED METHODOLOGIES:

It is a new system approach which halps in the seeme of software companards. It employs international Standard writing Modelling languagerung from Object Maragement Group (OMG). Using this methodology a system can be developed on a company bous which enables the effective seuse of existing Components, it facilitates to sharing of its other system (emponents 3rypas: 's Object Modelling Tahnique (orr) lisobject process thethe dology (opr)

111) Rational Unified Process (RUP)

OMT: - It is one of the 1st object oriented Methodologies which was 3 different models that are compried is a way that a analogous to the order structured methodologies. Analysis:- The goal is to build models of world.

The oppionents of the users, developers and manages provide the information needed to develop to inital problem Statement.

BHT model:-

Object model: Jepresets State Startue of System. Dynamic model: Capture, behavious of aystern outsting function model: describes dad total formation of system. Designi-

sparfor all the detail, needed to describe how he system will be implemented and the system of designant. It has one diagram which is used for modeling the Structure functions & techanism of system

3 Mais process

in it atingi- determine figher level organisments, to of system & requirements and resources that are neguin developing: - inolves detailed analysis, design & inner deploying: vitroduces to system to war & susragra of rypters. maistanere of system. RUP: consist of 4 phases 1. In Copina. 2. Elaboration, 3. Construction. Fach iteration consist of nire work areas of disciplin 4. Travitio. The disciplin depends upon the phane is which iteration it taking place OBJECTIVES:tencomage greater re-une. - produce more detaila specification of system andraine - 1 to have buture problem with validation. BENEFITS: -Fearier to produce & understand designs. 724 allows charges more landy - simplicers newsatility Thorough Quality, Maistainence Ascarle, Modularuty, Modification. - Clien/ server artickehing. SOFTWARE QUALITY ASSURANCE: - is approcess while works parallel to development of software, It focusson inproting he process of development of softweet that problem can he preveded before they become a night usua. It has - Quality management popular. I Formal technical or view? -) Multi tasting Intredegies 1 -) Effective soprane technology -) Heavened GReporting mechanism

ACTIVITE SI-SQA Maragener Man: - Hake plan for how you will carry it out with sqa throughout the project. Check level of SOA team skuls. Set the chockpoints - SQA team should set checkpoints. Evaluate the performance of the project on baris of collected dota on different cheor poors. Multitasking Strategy. bonot depend and single tenting approach. When you hour q lot of tentry approaches available. Ware Charge Inspact. -The changes for makes worked of on error the sometimes juisto duces more evorskeep the measur & apart of Change on project. Marage Good Relation: -In to working environment managing good ollations with other teams inwhite of the project development is nondowny. and the second and of BENEFITS:-JSAA produces high quality software Trigh auality application saves times & (0st TSQA is bereficial for better reliability 7 SEA is tereficial were codedon & no maintanera & a long fixed This oucling romnocial software increases market share a company Tragnoving the process of correcting Suffrage Temprous the quality of softwee. PIS Advantages of SAA: There are howing of disadvantages of quality anward lone of them is club adding

more renducers employers more worken do help maintain quality & so much more. Impace of object orientation on Testing:-ERROYS -There place ble (not worth testing for) More placesite (work testing for news) New types of error may appear Most Carrent software testing techniques are Congres with functional software. Dutit of software is either tested against the specificana on against some Code average Exiterion to execute its identifue jour In objet oriented system, testing en comparus three level, unit testing, subsystem testing, system testing UNIT Testing - In this, the individual rares are tested; is reen whether he clay attributes are implemented as per design and whether he methods and the will are error free unit testing in the responsibility of application engineer SUBSYSTEM TESTENCY. - This onvolves testing a particular module or a substyrton and & the despossits of the Mussyam lead it inches tresting the association withink system as well as the interemention of subsystem a ch SYSTEMTETING: - System testing chooses testing to spen on a whole and is the desponsitify of the quality armine team- The team often was system tents as organisados tent when assambles new sel ares. DEVELOP TEST CASES AND TEST PLANS:-A test case is a downer that large ord to following for a singular test scenerio.

- fort data -1sererios -I description -1 procedures / isputs -) testing environment -> expected and actual results. A test plan is a comprehensive document that lay out all rajor activities associated with a particular testig project. It scluder. -1 scope of project -1 twigger marker -190ah & objection. 7 assumption. -) tasking only ronner. -) delinables - tentin) age strended dates -Imajor rink & hardling - testing and data. 3 types! -1) Master test plan ten molliple level of testis il) phone fort pou! add reus any of phone III Specific sexplan: designed for non functional terring whe sewity terting. STEPS to write atent plan haideling. - spe afrech -) analyse fre product - avoid spolundarcy rderign terr startom adoptive test objectives. - awould largetly paragraphs -Idefins test cristing. TUSE Cut Etroles - Tolelate Un Manay TROUTE planso sections 7 plan test en ironned - opdate to plan -7 scholule and extraction. - potesmi text deliverable.

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