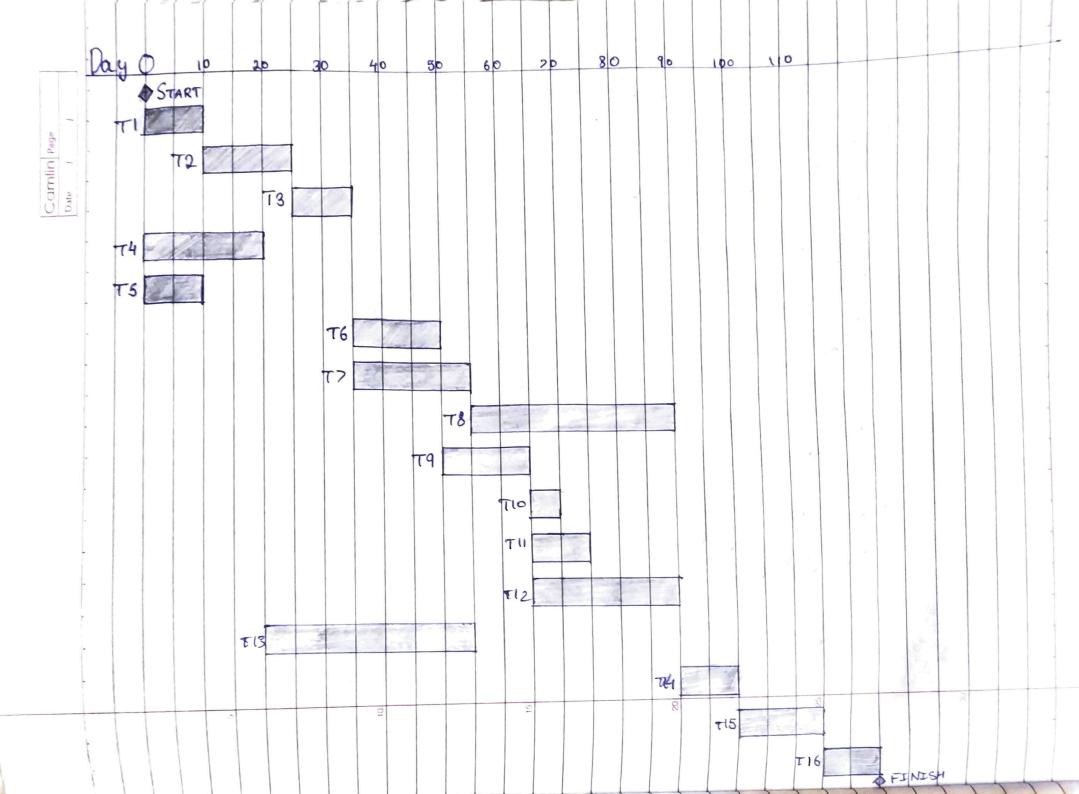
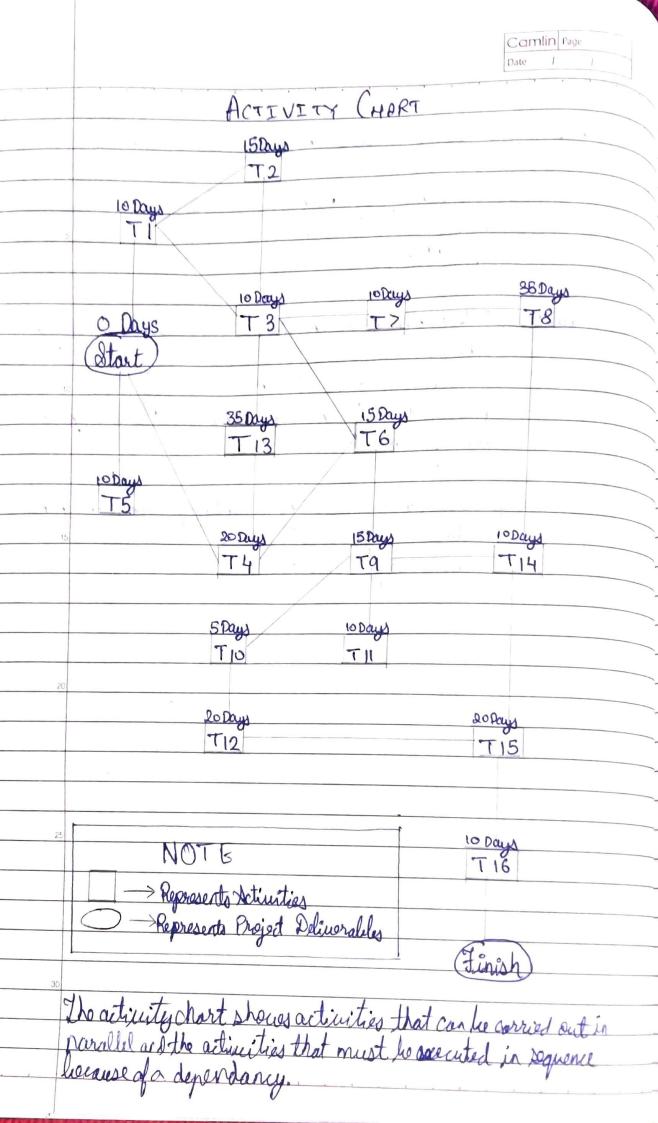
A	S.	E nment - III	
	ri ssigi	nment III	
	0 to 10 2	Dann day in	
	Duration (Days)	Syporeurano	
TI	10	TI	
72	15	71,72	
T3 T4	20	11,72	
75		1,12	
T6	15	73,74	
77		+3	
78	35	77	
5 79	15	76	
710	3	75,79	
TII	10	+9	
712	20	T10	
T13	35	73,74	
714	. 10	78,79	
715	20	712,714	
T16	10	,	
Depende	incies = ties = 16 on (Days) = 250 d		
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Durati	on (Days) = 250 d	ays /8.2 Monts	hu
	0		





21. Process Activities are the activities that belong to a particular process. It defines the smallest measurable amount of work to be performed to convert some portion of process activities input into desired autputs. The 4 basic process activities of specification, development, validation, and enclution are cryonised differently in different development processes. In the realizable model, they are correct in segment in segme whereas in sudutionary development, they are interessed how those activities are carried out depend on the type of sufficiency people and organizational structures invalued.

The 4 process activities were

Software Design and Emplementation

- Software Validation

Software Specification

A software requirement is defined as a condition to which
a system must comply . Software specification of a ar
requirement management is the process of understanding
and defining what functional and non-functional requirements
are required for the system and identifying the constraints
on the system operation and development. The requirement
engineering process results in the production of a software
requirement document that is the specification for the
system.

Camlin Page Tessibility Requirement Elicitation 2 Anolysis Feosibility Report Requirement Specification System Models Requirement Volidation Claur Had System Requirements Documents There are 4 main phases of requirement engineering process: In this study are estimate is made of whether the identified were needs may be satisfied using current software and hardware technologies. It considers rubother the propered system will be cost effective from a business point of wieve and whether we well a welfet it can be developed within existing budgetary construents Construents 2. Requirement Elicitation And Analysis This is the process of deterring derewing the system requirements
through observation of existing systems, discussion with
notential users, requirement workshopete. 3 Requirement Specification This the activity of translation of information gathered during the analysis activity into a document that elefines a set of requirements. Two types of requirements may be Linduded in these documents: User & System requirements.

4 Requirement Validation

It is determined whether the requirements defined are complete.

This activity also cheeks the requirements for consistency. 2. Saftwore Design Ind Implementation The implementation phase of software development is the process of converting a system specification into an executable system through the design of system. A software design is a description of the architecture of the software to be implemented, the data which is part of the system, the interfaces hetween system components and sometimes, the algorithms used. Design Soputs Requirement Specification Data Platform Information Duription Architectural Interface Design Design Congressent Design Design Dosign Component Cupit Aperfication Database System Arhitecture Sepsification

The doign process activities are the following: 1. Architectural Design The out-system of a system and their relationships are identified based on their main functional requirements of software. 2. Abstract Specification Hestrace experquences destroit specification of its services and the constraints under which it must operate is defined Interface Design Interface allow the subsystem services to be used by other sub-systems. The representation of interface should be hidden In this activity, the interface is designed and downested for each subsystem. The specification of interface must be unambiguous. 4. Component Design Someoner serion Someoner allocated to components and the interfaces of these components are designed. 5. Data Structure Design The dataster structures used in the system implementation are designed in detail and specified. 6. Algorithm Design The algorithms used to proude services are designed in detail and specified 3. Daftwere Validation Deftware Validation or more generally verification and udidation is intended to show that a system conforms its specification and that the system meets the expectation of the customer levying the system . It involves checking the process at every stage of the software process. The majority of validation easts are incurred of ter implementation on when the operation of system is tooked. The saftware is in the usual 3-stages testing process. The system components the integrated system and finally the entire system are tested. Component defects are generally discovered early in the process and the integrale problems during the system integration.

Lesting Congressent Lesting Lesting

The stages in testing process are: -

1. Component Lesting

Endividual compenent are tested to ensure that they aparate correctly. Each component is used tested independently, without other system component.

dystem Testing

The components are integrated to make up the system. This testing process is concerned with finding errors that result from iteration lutween components and component interface problems. It is also conversed with validation that the system meets its functional and non-functional

3. Acceptance Listing

It is considered a functional testing of system. The system is tested with data supplied by the system customer

Regrammers make their ceien test data and test the code as it is de udoped. However in many process model, such as in V-model, Just-Driven Duelopment etc. The design of

development. If an incremental approach to development is used, each increment should hotested as it is developed, with these test based on the requirements for that increment. Roquiroment Dystem Disign System Specification Specification Lest Syl-System Integration System Integration Jest Plan Module Plan Lest Plan And Unix Code And Lest Source Receptance System Integration Sub-System Integration Test

4. deftwere Endution
Software Endution, specificially software maintenance,
is the term used in software engineering to refer to the
process of developing software initially, then repeatedly
updating it for various reason. The aim of software
audution would be to implement the possible major changes
to the system. The existing larger system is never complete
and continuous to englie. As it englies, the complexity
will grave. The main objective of software evolution and ensuring
the reliability and flexibility of the system. The cost of maintain
ance are often several times the initial development east of saftware