PROJECT PLANNING

Sr. Nisha C D
Asst.Professor, Department of Computer Science
L.F College Guruvayoor

PROJECT PLANNING

- Project planning is an organized and integrated management process which focuses on activities required for successful completion of project

- It prevents obstacles that arise in the project such as changes in project or organizations objectives, non availability of resources etc.

-

OBJECTIVES OF PROJECTPLANNING

- Defines roles and responsibilities of project management team members
- Ensure that project management team works according to business objectives
- Check feasibility of schedule and user requirements
- Determine project constraints
- project plan comprises of project purpose ,project scope,project planning process and project plan

1.PROJECT PURPOSE

- software project is carried out to accomplish a particular purpose
- It is classified into two
- **project objectives**
- Meet user requirements
- Be according to schedule
- Be within budget
- Produce quality deliverables
-
- **business objectives**
- evaluate processes
- renew policies and processes
- keep project on schedule
- improve software

2.PROJECT SCOPE

- It provides detailed description of functions, features, constraints and interfaces of the software that are to be considered
- FUNCTIONS-describe the task that software is expected to complete
- FEATURES- describe attributes in software as per the user requirements
- CONSTRAINTS- describe limitations imposed on software by hardware ,memory and so on
- INTERFACES-describe interaction of software component with each other

3.PROJECT PLANNING PROCESS

Project planning consists of a set of inter related activities .they are

- Identification of project requirements
- Identification of cost estimates
- Identification of risks
- Identification of critical success factors
- Preparation of project charter
- Preparation of project plan
- Commencement of software project

- <u>Identification of project requirements</u>
- It helps identifying project requirements in systematic manner
- <u>Identification of cost estimates</u>
- The estimation includes cost of hardware ,network connections ,and cost for maintenance .cost estimation very important
- <u>Identification of risks</u>
- Risks identification is very essential to avoid problems that effect project schedule and to avoid increase in cost of project
- <u>Identification of critical success factors</u>
- Critical success factors refer to conditions that ensure greater chances of success in project
- These factors include support from management, appropriate budget and schedule, and skilled software engineers

- <u>Preparation of project charter</u>
- It provides brief description about project scope, time, cost, resource constraints described during project planning
- <u>Preparation of project plan</u>
- Provides information about resources that are available for project , individuals involved in project and the schedule according to which project is to be carried out
- <u>Commencement of software project</u>
- Once project planning is complete and resources are assigned to team members, the software project commences

PROJECT PLAN

- It describes the responsibility of project management team and resources required for the project
- It includes description of hardware and software
- Project plan divided into different sections,
- They are:
- Introduction
- Project organization
- Risk analysis
- Resource requirements
- Work breakdown
- Project schedule

•Quality assurance plan

- •Verification & validation plan
- •Configuration management plan
- •Maintenance plan
- •Staffing plan
- •(a)<u>Quality assurance plan</u>
- •Describe strategies and methods
- •**OBJECTIVES**:
- •Ensure project is managed ,developed and implemented in organized way
- •Ensure project deliverables are of acceptable quality before delivered to use

- There are different plans including:
- (b)Verification & validation plan
- it describes the approach resources and schedule used for system validation
- (c)Configuration management plan
- it describes the process which is used for making changes to project scope
- (d)Maintenance plan
- it specifies the resources and processes required formatting software operational after its installation
- (e)Staffing plan
- IT describes the number of individuals required for a project
- it includes selecting and assigning tasks to team members

- (e)Staffing plan
- IT describes the number of individuals required for a project
- it includes selecting and assigning tasks to team members
- staff planning is performed by staff planner
- staffing plan contains following parts
- General information
- Skill assessment
- Staffing profile
- Organization chart