Part-B

Department: CSE

COUMDE NO: CSE 3223

Examination: Semuster

Final

Student No: 18.01.04.072

Priogram: B.Se. in CSE

Course Title: Information

System Dasign and

Software Engineering

Semister (Session): Fall2020

Signature and pate:

Rakib, 1 November, 2021

Am. to the que. No: 4

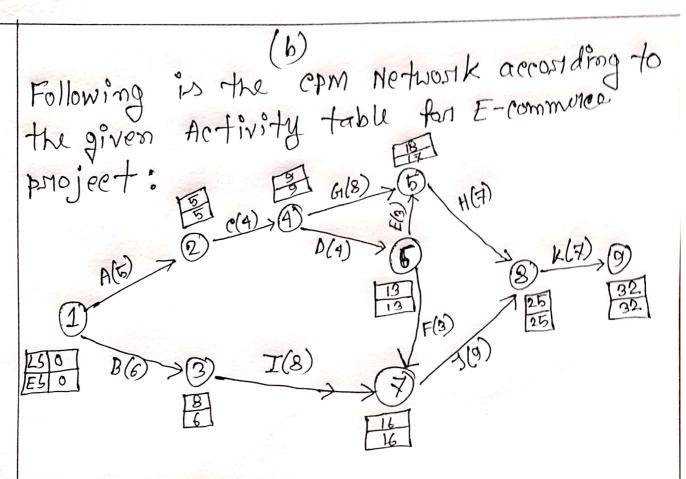
PERT and CPM are two techniques of project management.

epm stands for enitical path method.

epm stands for Project Evaluation and PERT stands for Project Evaluation and Review Techniques.

PERT: PERT is the technique of project management which is used to manage manage ment which is used to manage manage in the uncertain time of activities in the uncertain time of activities in the project. Estimated time isn't fixed here. Project. Estimated time isn't fixed here. Measure the time using optimistic, measure the time using optimistic, mast likely and pessimistic way.

cpm: epm is the technique of project manage only management which is used to manage only entain time of activies of project. Estimated centain time of activies of project. Estimated time is fixed hore.



=
$$A \rightarrow P \rightarrow D \rightarrow F \rightarrow J \rightarrow K$$

= $5 + 4 + 4 + 3 + 9 + 7$
= 32

incritical path is A + C + D > F + J > k and total duration is 32 weeks.

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DFD: A DFD on Data Flow Diagram is a diagram that maps out the flow of information for any process on system. It is a for any process on system. It is a way of representing flow of data thorough a process on a system. DFD also provides information about the outputs and imputs of each entity and the process itself. DFD is mainly drawn for the developer and more specificly for the database system designer. They will get information required to design the database and the system. They can understand the flow of data and required data storage of the system. They can disign the system and the database according to the Data Flow Diagram.

Use case masmatives:

A use case natitative in a largely test-based description of a use cast. In softward engineering, a use case is a list of actions on event steps which defines the interaction between a Mole on an action actor and a system to achieve a goal. Use case narratives contains the description of each of these use eases. use case narratives follow a structured format typically using a numbered sequence of steps for that main activity accompanied by preconditions, postcordition, alternative paths ete.

is a collection of standard index eards that have been divided into 3 sections as follows:

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Page No- 4

A CRC could is a physical could suprusenting a single class. CRC cords can be used during analysis and design while classes are being discovered in order to keep track of them.

PSPEC on The process specification PSPEC: is used to describe all flow model process that appear at the timal level of rufinement. The contents of the process especification ean include narrative text, a program design language (PDL), description of the Priocess algorithm, mathematical equations, tables on UML diagram. By providing a PSPEC to accompany each bubble in the How model, one can create a mini-spec that sorves as a quide for design of the software component that will implement the bubble.

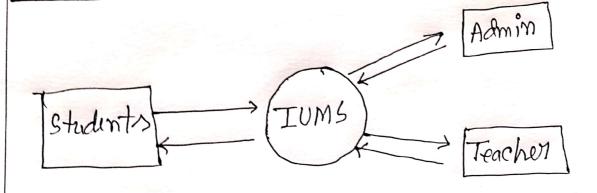
CSPEC for A control specification represents the behaviour of the system in two different ways. It contains a state diagram that is a sequential specification of behavior. It can also contain Student ID: 18.01.04.072 Course No: CSE 3223

Rakib

a program activation cycle-a combinatrial specification of behavior.

(c)

The context level Diagram and the level-1 Data Flow Diagram of IVMS is the following: context level Diagram on level-0 Diagram:

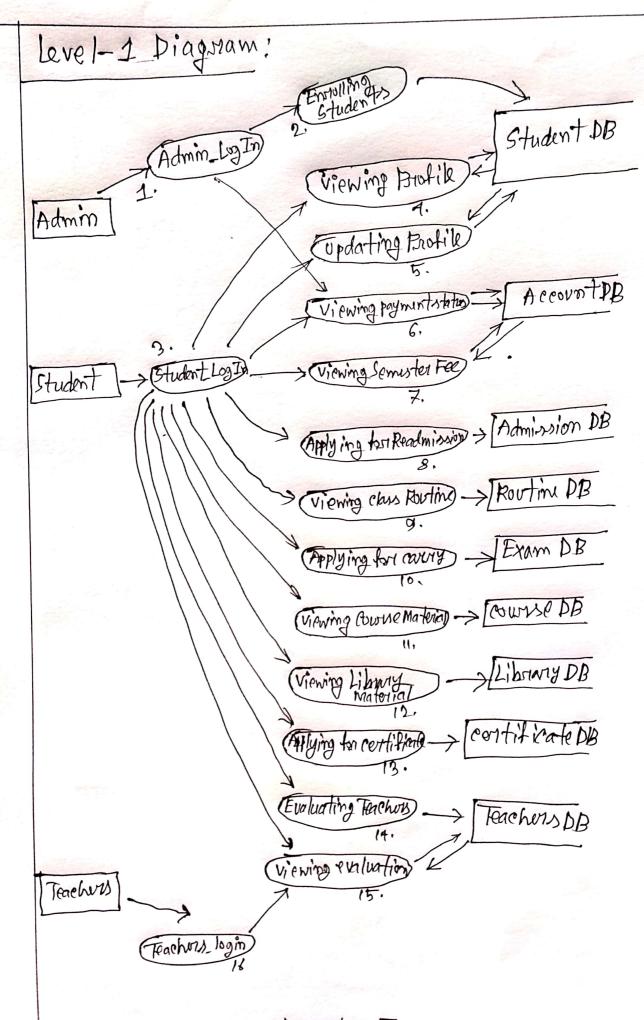


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Student ID: 18.01.04.072

Course No: CSE 3223

Rakib



Page No - 7