ACTIVITY PLANNING & CONTROL CSE 4408 SYSTEM ANALYSIS AND DESIGN



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PROJECT INTRODUCTION

Next generation coding platform convenient for all type of coders as well as new learners. Comes with smart upsolve method, live contests, analysis curves and motivating reward system

FEATURES:

- SMART UPSOLVING
- PERFORMANCE ANALYSER
- CODER'S CALENDAR
- CUSTOMIZED PROBLEM SOLVING
- MOTIVATING REWARD SYSTEM AND INTERACTIVE USER INTERFACE

BREAKDOWN OF TASK WITH TIMELINE



ACTIVITY

TASK DETAILS

WEEKLY TIMELINE

DESIGN, SYSTEM REQUIREMENTS AND ANALYSIS

CODENEX PROPOSAL AND PLANNING

1-3

FEASIBILITY ANALYSIS

2-4

ANALYSING REQUIREMENTS

2-5

EXISTING AND CURRENT SYSTEM LEARNING

FRONTEND LEARNING AND DOCUMENTATION

3-6

BACKEND LEARNING AND DOCUMENTATION

4-8

DOCUMENTING AND DEVELOPING SOFTWARE AND HARDWARE **UI/UX DESIGN & ANALYZE**

5-8

BACKEND IMPLEMENTATION

6-9

TESTING AND DEBUGGING

7-9

SYSTEM LAUNCHING

8-10



ACTIVITY PLANNING GANTT CHART



TASK / PROCESS	Week 01	Week 02	Week 03	Week 04	Week 05	Week 06	Week 07	Week 08	Week 09	Week 10
PLANNING & DESIGN		7:	5%							
RESEARCH & ALTERNATIVE SYSTEM ANALYSIS			8	30%						
SKILL DEVELOPMENT				35%						
UI/UX DESIGN				10%						
PSEUDOCODE & PROJECT FLOWCHART				5%						
CODING & PROJECT SKELETO	N				5%					
TESTING & DEBUGGING										
PROJECT SHOWCASING										

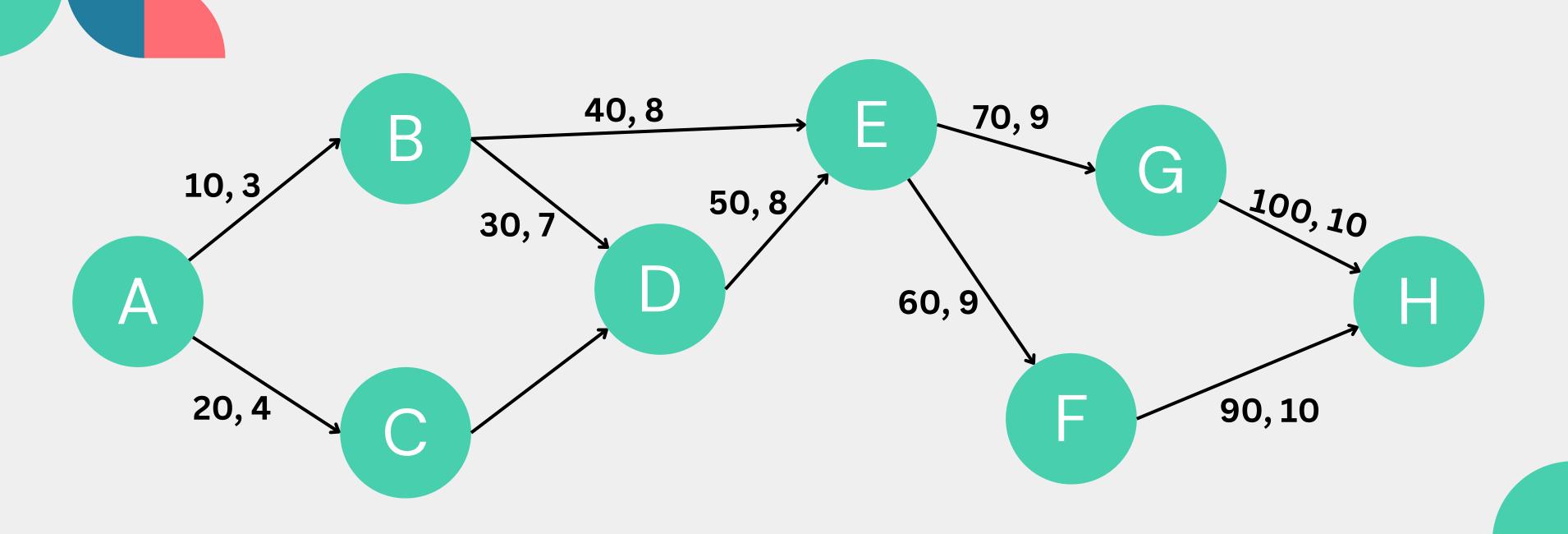




TASKS	NODE	PREREQUISITE	TIME REQUIRED (WEEK NO.)
PLANNING & DESIGN	A	NONE	1 - 3
RESEARCH & ALTERNATIVE SYSTEM ANALYSIS	В	A	2 - 4
SKILL DEVELOPMENT	C	A	2 - 7
PSEUDOCODE & SYSTEM FLOWCHART	D	B, C	4 - 8
CODING & PROJECT SKELETON	E	B, D	4 - 9
UI/UX DESIGN	F	E	5 - 9
TESTING & DEBUGGING	G	E	7 - 10
PROJECT SHOWCASING	Н	F, G	10

PERT DIAGRAM





Critical Path: A->C->D->E->G->H

Fishbone Diagram

06

QUALITY

Inadequate Testing

Data Integrity
Issues

SCOPE

Uncontrolled expansion of project scope

Inadequate Scope Definition

COST

Inadequate Cost Estimation

Ineffective allocation of resources

TIME

Lack of time tracking •

Academic pressure causes delay in task completion

Inability to handle spikes during peak hour

Network Connectivity
Issues

INFRASTRUCTURE

Lack of test cases for edge cases, error handling scenarios

Instability in testing environments

TESTING

Excessive complex code

Lack of comprehensive code documentation

CODE IMPLEMENTATION

Inequitable distribution of workload among •-team members

Unclear roles and responsibilities among team members

COORDINATION

THANK YOU FOR YOUR ATTENTION