



BHARATIYA VIDYA BHAVAN'S
SARDAR PATEL INSTITUTE OF TECHNOLOGY
Munshi Nagar, Andheri (W), Mumbai - 400058
DEPARTMENT OF MASTER OF COMPUTER APPLICATION

Academic Year – 2021-22

Class: F.Y.MCA

Semester: I

Subject: **Software Engineering Lab**

Subject In charge: Nikhita Mangaonkar

Course Code: MC503

EXPERIMENT NO: 06

Name: Aditya Salunke

UID: 2022510053

EXPERIMENT TITLE: Create Work breakdown Structure and Plan Gantt Chart

Objective:

- 1) To Establish the Project Start or Finish Date
- 2) To analyze Tasks and sub task for given task
- 3) To add Task and sub task Durations
- 4) To Add Resources and allocate the task
- 5) To develop Gantt chart for given case study.
- 6) To develop Pert/CPM chart for given case study

DATE TURN 1:

PRACTICAL EVALUATION:

PI1: On Time	PI2: Performance	PI3: Documentation	PI5 : Lab Ethics	Marks Per Experiment
0.5	3	1	0.5	5

<https://www.ganttproject.biz/download>

Screenshots required for each and every step



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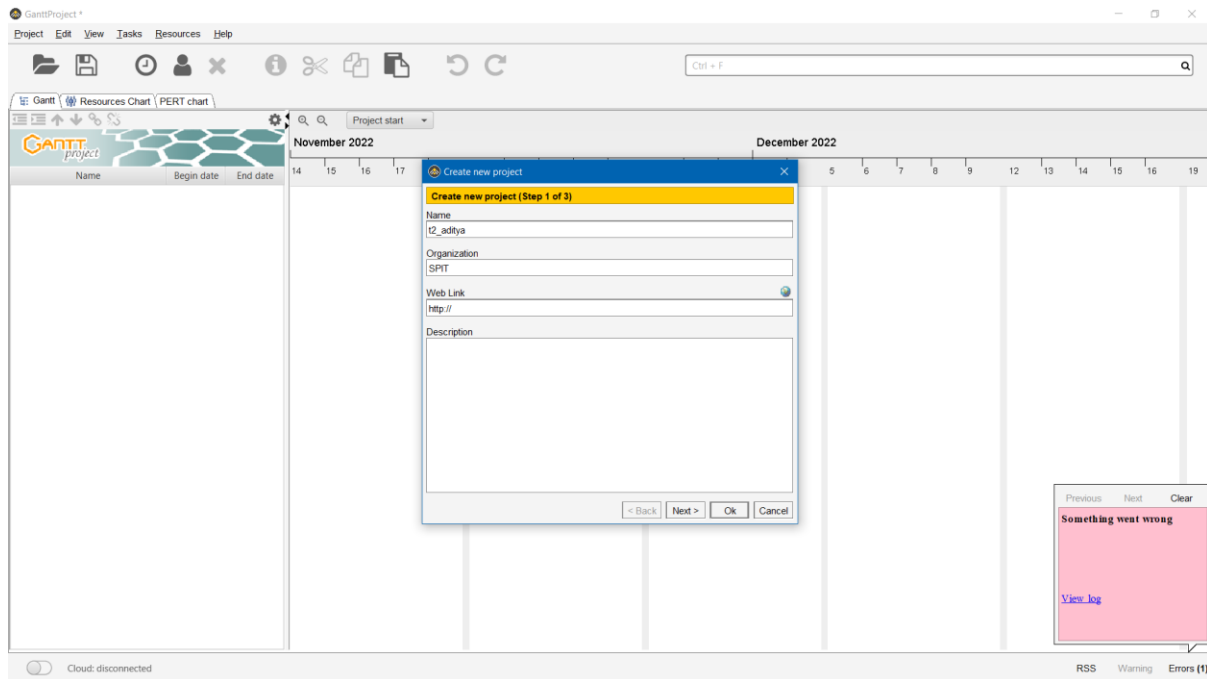
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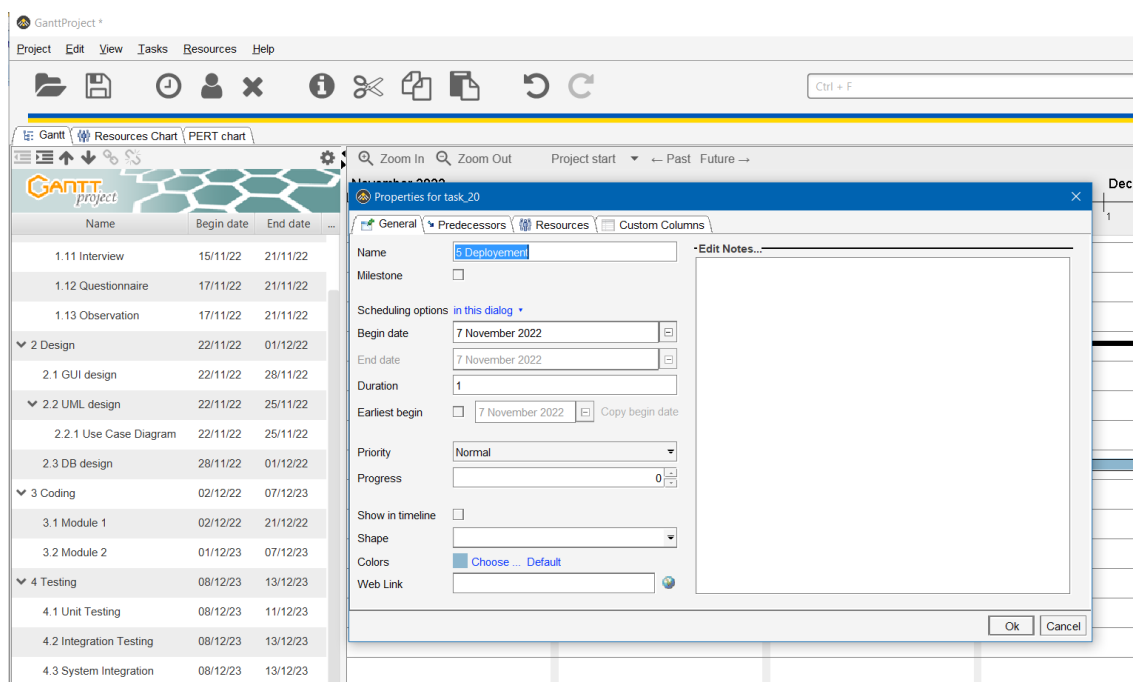
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Create New Project



Adding Tasks





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Setting Start Date of Project

Project Properties

Name and description

Calendar

Resource roles

Cloud document

Project calendar and start date

Choose weekend ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☒ Sat ☒ Sun

On weekends no tasks can run

Holiday calendar none

One-off **Recurring**

Add **Delete**

Dates	Summary	Type	Color

- Move project start date -

New start date 15 November 2022

☒ Move all tasks in your project

☐ Move tasks starting on 15-Nov-2022 and reschedule the remainder

Ok **Cancel**



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Adding Predecessor

ID	Task name	Type	Delay	Link hardness
0	1 Planning and Analysis	Finish-Start	0	Strong

Creating Roles

Resource roles

Resource role
PROJECT MANAGER
DESIGNER
BUSINESS ANALYST
TESTER



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Assigning roles to peoples

The screenshot shows the GanttProject application interface. A 'Resources' dialog box is open, displaying details for a resource named 'Aditya Salunke'. The dialog includes fields for Name, Phone (9876543213), Mail (aditya@gmail.com), and Default role (PROJECT MANAGER). It also shows 'Resource payment rate' with a 'Standard rate' of 3000, and 'Total Cost' and 'Total Load' both set to 0.0. The background Gantt chart displays a project schedule from November 2022 to December 2022, with tasks such as '1.1 Requirement Gathering', '1.11 Interview', '1.12 Questionnaire', '1.13 Observation', '2 Design', '2.1 GUI design', '2.2 UML design', '2.2.1 Use Case Diagram', '2.3 DB design', '3 Coding', '3.1 Module 1', '3.2 Module 2', '4 Testing', '4.1 Unit Testing', '4.2 Integration Testing', '4.3 System Integration', and '5 Deployment'.

Assignment of roles to task

The screenshot shows the GanttProject application interface. A 'Properties for 5 Deployment' dialog box is open, displaying details for a task named '5 Deployment'. The dialog includes fields for ID (3), Resource Name (Ariba Siddiqui), Unit (100.0), Coordinator (checked), and Role (DEVELOPER). It also shows 'Task cost' with 'Calculated' at 4400.0 and 'Set explicitly' at 0.0. The background Gantt chart is the same as in the previous screenshot, showing the project schedule from November 2022 to December 2022.



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Unhiding Resource Columns



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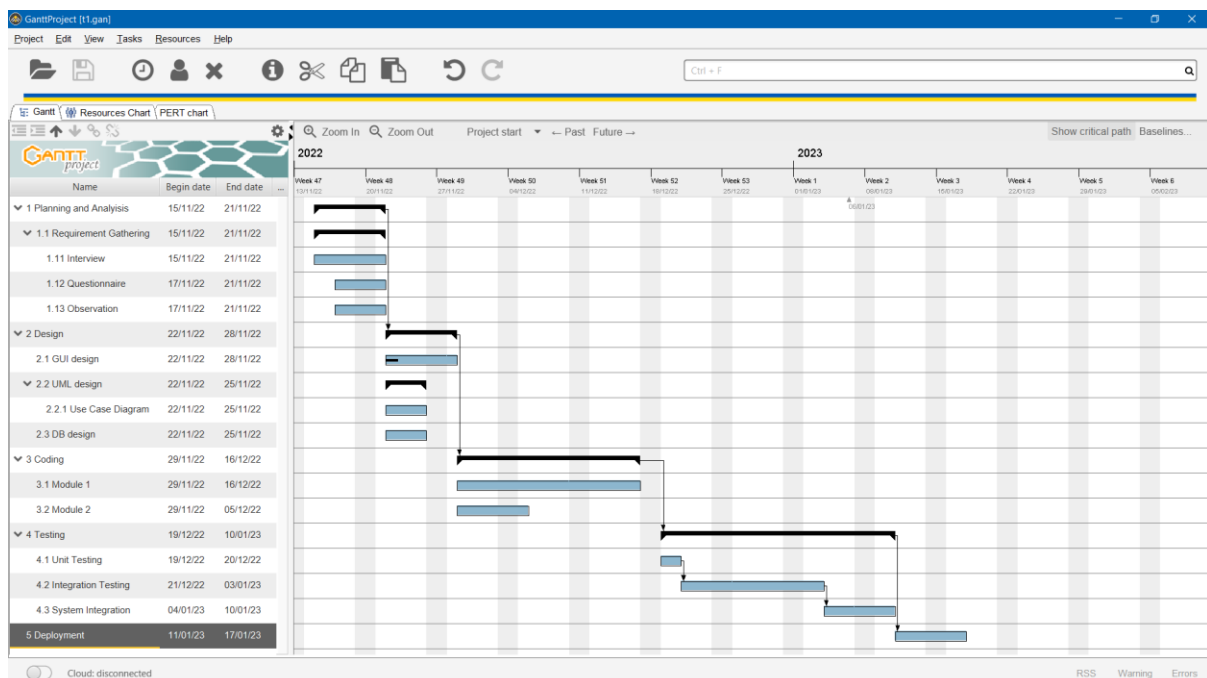
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Resource Column

Name	Begin date	End date	Resources
1 Planning and Analysis	15/11/22	21/11/22	Aditya Sa...
1.1 Requirement Gathering	15/11/22	21/11/22	Chaitaniy...
1.1.1 Interview	15/11/22	21/11/22	
1.1.2 Questionnaire	17/11/22	21/11/22	
1.1.3 Observation	17/11/22	21/11/22	
2 Design	22/11/22	28/11/22	Anshita S...
2.1 GUI design	22/11/22	28/11/22	Anshita S...
2.2 UML design	22/11/22	25/11/22	Aniba Sid...
2.2.1 Use Case Diagram	22/11/22	25/11/22	
2.3 DB design	22/11/22	25/11/22	Anshita S...
3 Coding	29/11/22	16/12/22	Aniba Sid...
3.1 Module 1	29/11/22	16/12/22	Aniba Sid...
3.2 Module 2	29/11/22	05/12/22	Aniba Sid...
4 Testing	19/12/22	10/01/23	Siddhant ...
4.1 Unit Testing	19/12/22	20/12/22	Siddhant ...
4.2 Integration Testing	21/12/22	03/01/23	Siddhant ...
4.3 System Integration	04/01/23	10/01/23	Siddhant ...
5 Deployment	11/01/23	17/01/23	Aniba Sid...

Gantt Chart





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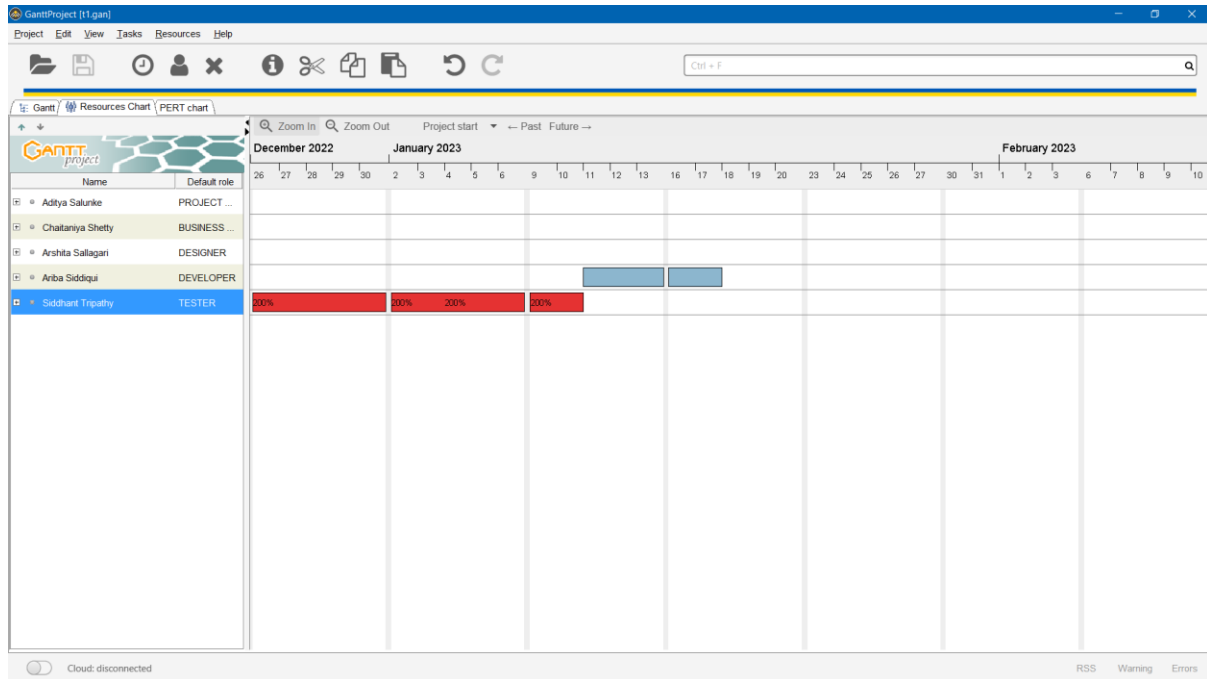
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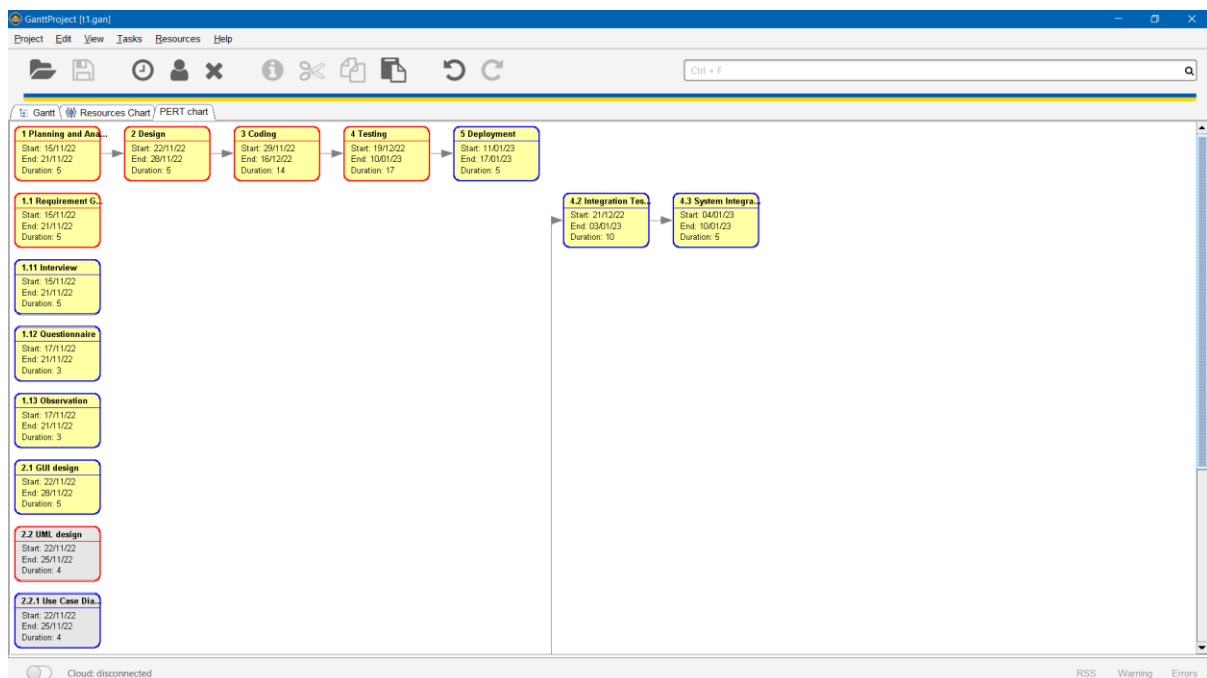
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Resource Chart



Pert Chart





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Critical Path

