Name-Surname:		ID:	
Software Engineering Lab			
Direction Lab #5			
	10 th Falaman 2022		
	10 th February 2022		
1. The table below summa	rizes the tasks in a project. Draw	an activity network and a Gantt chart of	
this project by hand on the space below, assuming the start date is today. Then determine the			
critical path and the expect	ed finish date of the project.		
Task	Duration (days)	Predecessors	
T1	10	Tredecessors	
T2	25		
T3	15		
T4	5	T3 (M1)	
T5	10	T1, T2, T3 (M2)	
Т6	15		
Т7	20	T5 (M3)	
T8	25	T4, T6 (M4)	
Т9	5	T8 (M5)	
T10	10	T7, T9 (M6)	
T11	35	T6 (M7)	
T12	10	T11 (M8)	

	2. Create a new project file in Project Libre and input the task table in question 1. Use Project Libre to generate a network diagram and a Gantt chart. Also, use the program to find the critical path and the expected finish date of the project.
•	3. Imagine that you and your team are hired by a software company to develop a website which provides information about the restaurants in Thailand. List all the tasks involved in this project (including their durations and dependencies). Then use Project Libre to create your software development plan. The following are some of the common tasks in a website development project. You may add other tasks, you think, necessary.
	Requirement • Fact finding
	 Study an existing similar website Do a survey on restaurants
	Identify the functions of the websiteIdentify restaurant data and classification
	 Obtain server requirement (hardware and software) Prototyping Design mock-ups screens
	 Create mock-ups screens Prepare requirement specification
	Design ■ Design the data model
	Design the user interface
	Layout designArtwork design
	Design the software architecture
١	Implementation

- Set up the development environment
 - Set up the development servers
 - Set up the development computers
- Implement the data model
 - Set up the development DBMS
 - Create databases
- Programming
 - Client-side coding
 - Server-side coding
- Graphics
 - Create graphic files
- Integration

Data Collection

- Obtain restaurant data
- Data entry

Testing

- Unit testing
- GUI testing
- Integration testing
- End-user testing
 - Alpha testing
 - Beta testing

Deployment

- Arrange web hosting
- Install website

Milestone 1

- Requirement specification completed
- Customers agreed with the specification

Milestone 2

• Design documents completed

Milestone 3

• Implementation completed

Milestone 4

Testing passed

Milestone 5

Website deployed

Group Homework: Working as a group (i.e. your SE project group), use Project Libre to create a schedule for your team development activities of the SE Python project. This project schedule contains a Gantt chart and a network diagram of your team SE Python project.

Put this project schedule in your project proposal to submit as this homework; the proposal contains

- Project title and team members (with their names and student IDs)
- Project description (at least 1 page long)
- Draft UI Design (at least 2 screens)
- Breakdown of the software project activities and their durations
- Project plan (your project schedule) printed from Project Libre