

**MAKERERE UNIVERSITY BUSINESS SCHOOL
BACHELOR OF BUSINESS ADMINISTRATION
COURSE NAME: ADVANCED ICT
MS PROJECT CLASS CASE STUDY III, 2025/2026**

CASE STUDY THREE

GOGO Bus Company is the leading provider of Passenger, Cargo and Courier Transport services in the country. The company is in the process of developing a new information system for a variety of its operations. Study the WBS below and use MS project to produce a project for the schedule clearly showing the project start date, end date and task durations and dependencies

Required;

- a) Enter the above tasks in the Ghant chart with their duration and link types
- b) Set the default task duration to weeks
- c) Set all Saturdays to working days and set working time on all Saturdays to start at 8 am and end At 8pm
- d) Using the project start date as 1st May 2026, determine how long the project will take and therefore its end date. Use Ms word for this answer
- e) Enter the above project resources in the resource sheet
- f) All tasks should be 50% complete. What is the project cost at this point?,
- g) Using the above project resource costs, what is the total cost or budget for the entire project ? After 100% completion?. Use

Microsoft word for this answer and save it in your folder

- h) Open Microsoft word and list all the critical activities for the project, save it as project critical activities in the created folder on the desktop
- i) State the over allocated resources if any, what is the total cost of each resource? Use Ms Word for this answer

| Task No | Task Name | Duration | Link Type | Resources |
|----------|--|----------|-----------|-----------|
| | GOGO Transport System Project | | | |
| 1 | Project Planning | | | |
| 1.1 | Feasibility study | 4 weeks | - | GPE |
| 1.2 | Identify key stakeholders | 3 weeks | 1.1 | GPE |
| 1.3 | Budgeting | 2 weeks | 1.2 | GPE |
| 1.4 | Implementation Plan Complete | 0 weeks | 1.3 | GPE |
| 2 | Garage Mechanical Activities | | | |
| 2.1 | Prototype model design | 3 weeks | 1.4 | SD,SA |
| 2.2 | Purchase of Spare Materials | 2 weeks | 2.1 | SA |
| 2.3 | Machinery Prototype Development | 3 weeks | 2.2 | SD,SA |
| 2.4 | Revise developed prototype Design | 4 weeks | 2.3 | SD,SA |
| 2.5 | Try out Developed Prototype | 2 weeks | 2.4 | SA,RCO |
| 2.6 | Garage Mechanical Activities Complete | 0 weeks | 2.5 | GPE |
| 3 | System Training Awareness | | | |
| 3.1 | Staff Training Communication | 1 weeks | 2.6 | RCO |
| 3.2 | General Staff Training | 3 weeks | 3.1 | GPE |
| 3.3 | Garage Training | 2 weeks | 3.2 | SA |
| 3.4 | One on one system training | 2 weeks | 3.3 | SD |
| 3.5 | Branch training | 3 weeks | 3.4 | RCO |
| 3.6 | Customer Training and Partner Training | 2 weeks | 3.5 | RCO |
| 3.7 | Staff trained | 0 weeks | 3.6 | |
| 4 | Run Testing Activities | | | |
| 4.1 | Pre-production testing Campaign | 3 weeks | 3.7 | GPE |
| 4.2 | Post-redesign Testing Campaign | 2 weeks | 4.1 | SA,GPE,SD |
| 4.3 | Unit Testing | 3 weeks | 4.2 | SA |

| | | | | |
|----------|-------------------------------|---------|-------|-----------|
| 4.4 | System and Integrated Testing | 2 weeks | 4.3 | SD |
| 4.5 | User Acceptance Test | 3 weeks | 4.4 | SA,SD |
| 4.6 | Product Tested | 0 weeks | 4.5FF | |
| 5 | System Maintenance | | | |
| 5.1 | Manual Data Transfer | 3 weeks | 4.6 | SA,SD |
| 5.2 | Implementation Status Report | 2 weeks | FS | GPE |
| 5.3 | Final System working Report | 2 weeks | SS | GPE,SA,SD |
| 5.4 | Transport System Implemented | 0 weeks | SS | |

Resource Table

| Resource Name | Resource Type | Resource Cost |
|-------------------------------|---------------|---------------------|
| Garage Project Engineer (GPE) | Work | UGX 30,000 Per hour |
| System Developer (SD) | Work | UGX 20,000 Per hour |
| System Analyst (SA) | Work | UGX 15,000 Per hour |
| Route chart Officer (RCO) | Work | UGX 15,000 Per hour |
| Systems Trainer(ST) | work | UGX 13,000 Per hour |

End of Question Paper