

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

**CASE STUDY FIVE**

In a bid to improve on the registration process in MUBS, the university has embarked on an online student registration system. The system will however be housed in a special building with servers and other ICT infrastructures. Endeavored with skills in project management you have been asked to help in determining the project schedule using Ms Project software.

<b>Task No</b>	<b>Task</b>	<b>Duration</b>	<b>Predecessor</b>	<b>Resources</b>
	<b>E-Registration House Project</b>			
<b>1</b>	<b>Site Work</b>			
1.1	Clear site	5 Days	-	Engineer, Porter
1.2	Strip Topsoil	4 Days	-	Porter
1.3	Prepare site for Excavation	3 Days	1.2	Engineer
1.4	Rough grading	2 Days	1.3	Engineer, Porter
1.5	Site preparation complete	0 Day		
<b>2</b>	<b>Foundation</b>			
2.1	Layout foundation footings	3 Days	1.3	Engineer, Porter
2.2	Dig Footings	2 days	2.1	Porter
2.3	Footing Inspection	1 day	2.1	Engineer
2.4	Dig foundation	2 days	2.3	Porter
2.5	Build Block Foundation	3 days	2.4	Sand, Bricks
2.6	Lay foundation concrete	2 days	2.5	Porter, Cement
2.7	Foundation Complete	0 day	2.6	
<b>3</b>	<b>Building Wall</b>			
3.1	Build to window level	6 days	2.3	Porter, Mason
3.2	Build to ring beam	4 days	3.1	Mason, Porter

3.3	Build beam	2 days	3.2	Mason, Porter
3.4	Build to wall plate	2 days	3.3	Sand, Cement, Brick
3.5	Walls complete	0 days	3.4FS+1 eday	
<b>4</b>	<b>System Testing</b>			
4.1	Stock Roof Shingles	1 day	3.4	Engineer
4.2	Stock roofing timber	1 day	4.1	Engineer
4.3	Frame Roof	2 days	4.2	Engineer, Porter
4.4	Install Roof Plywood	3 days	4.3SS	Engineer, Timber
4.5	Roofing Complete	0 days	4.4	
<b>5</b>	<b>Plumbing</b>			
5.1	Stock plumbing pipes	1 day	4.4	Plumber
5.2	Drill plumbing turnels	3 days	4.4	Plumber, Porter
5.3	Fix pipes	4 days	5.2 FS-1 day	Plumber, Porter
5.4	Do plumbing inspection	1 day	5.3FF	Engineer
5.5	Plumbing complete	0 days	5.4	
<b>6</b>	<b>Finishing</b>			
6.1	Plastering	6 days	5.5	Painter, cement, Sand
6.2	Lay Ceramic Tiles	2 days	6.1	Mason
6.3	Prepare for undercoat painting	3 days	6.2	Painter
6.4	Finishing complete	0 dyas	6.3	

## Sample Project Resources Table

Resource Name	Type	Initials	Standard. Rate
Engineer	work	E	Ugx50,000/hr
Porter	work	PR	Ugx 10,000/hr
Manson	work	M	Ugx20,000/hr
Bricks	Material	B	Ugx 180,000
Sand	Material	S	Ugx 300,000
Cement	Material	C	Ugx30,000
Iron Sheets	Material	IS	Ugx40,000
Timber	Material	TM	Ugx 15000
Painter	work	P	Ugx15000/hr
Paint	Material	PNT	Ugx 60000

### Required;

- a) Using Ms Project 2016 software, Create a Project File called E-Registration Implementation Project and save it in your folder on the desktop
- b) Set the project start date to 1<sup>st</sup> May 2026
- c) Set all Saturdays as working days.
- d) Set the default task duration to Days
- e) Enter the above tasks and their durations in the Gantt chart and ensure the main activities and tasks are logically linked
- f) Link the various tasks with their predecessors as shown in the WBS.
- g) Using resource sheet, Add the project resources as indicated on the WBS.
- h) Assign the various resources as to the various tasks as indicated in the WBS
- i) Determine the end date of the project. Write your answer in this space.

- j) Determine how long the project will take. Write your answer in this space
- k) Using report tab, extract the resource cost overview report for the project. Save this report in your folder
  - a) All tasks should be 100% complete.
  - b) Using the project resources assigned and their resource costs, what is the total cost or budget for the entire project after 100% completion of tasks? Write the answer here

**End of Question Paper**