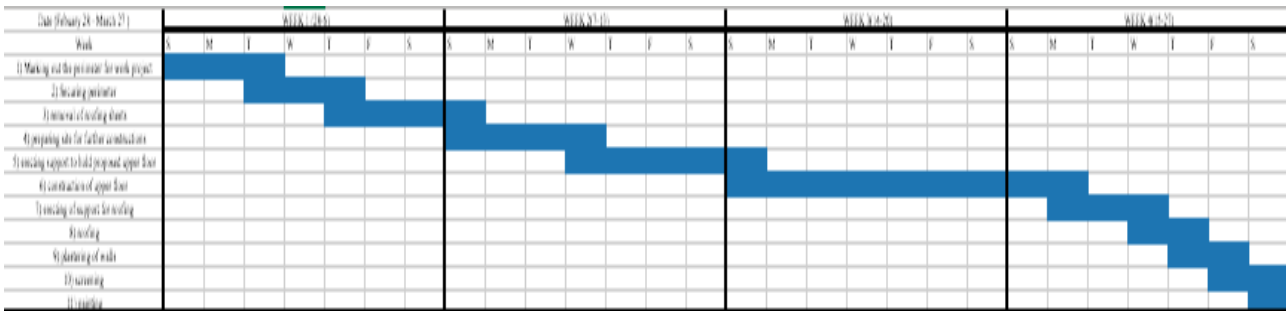


Macdonald Alaye S. Lamar
 18/ENG06/040
 Mechanical Engineering
 Engineering in Society(ENG284) Assignment

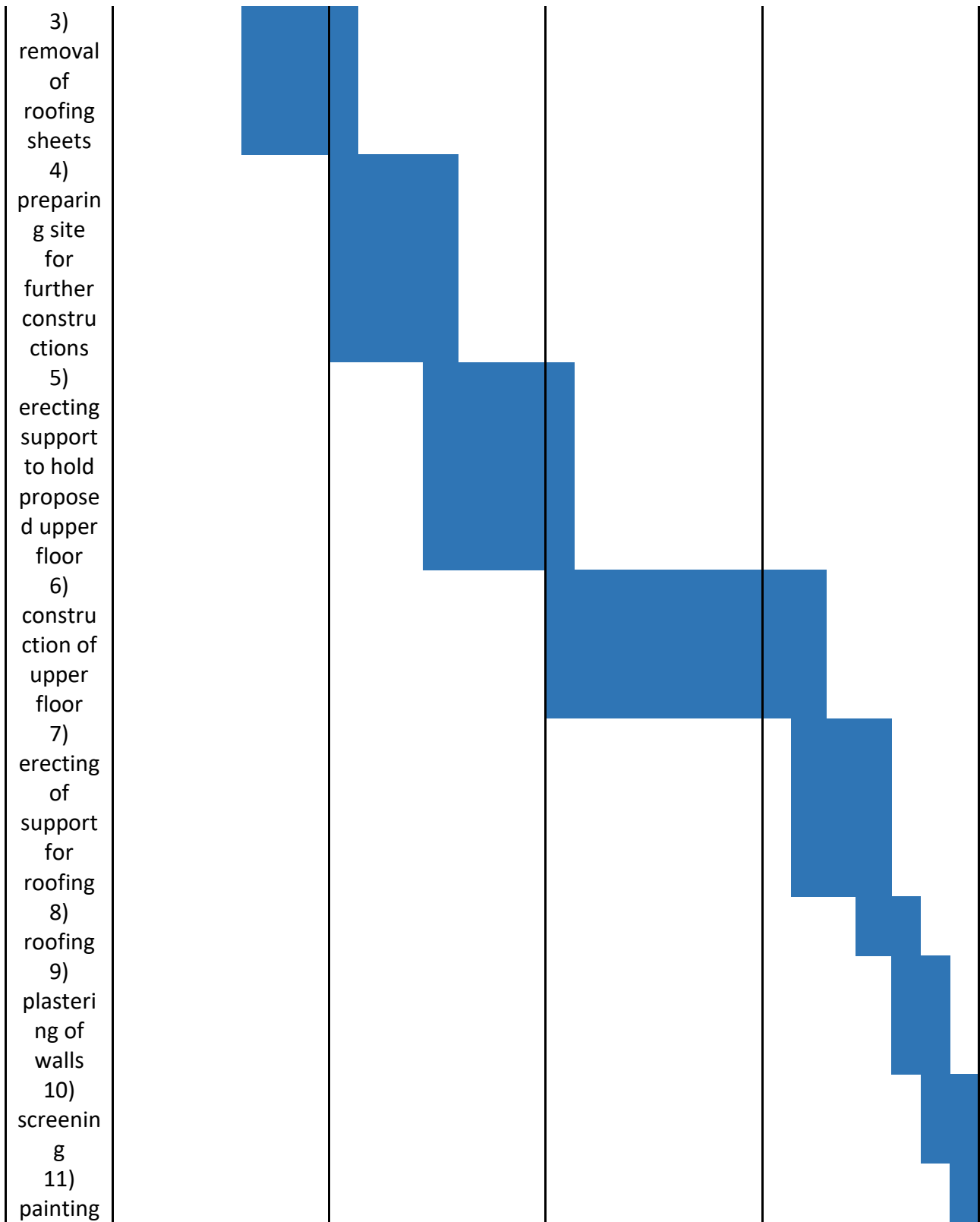
SCOPE OF WORK

- 1) Marking out the perimeter for work project
- 2) Securing perimeter
- 3) removal of roofing sheets
- 4) preparing site for further constructions
- 5) erecting support to hold proposed upper floor
- 6) construction of upper floor
- 7) erecting of support for roofing
- 8) roofing
- 9) plastering of walls
- 10) screening
- 11) painting

Grant Chart



Date (February 28 - March 27)	WEEK 1 (28-6)							WEEK 2 (7-13)							WEEK 3 (14-20)							WEEK 4 (21-27)						
Week	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1) Marking out the perimeter for work project	█	█	█																									
2) Securing perimeter		█	█	█	█	█																						



Human Resources Involved

1. Civil engineer
2. Architect
3. Drafts man
4. Financial planner
5. Project manager

6. Builders
7. Electrician
8. Plumbers
9. Painters
10. Tillers
11. Surveyor
12. The quantity surveyor

Reasons for Securing the Site

- ❖ To prevent accidents from people around (students, teachers and both educational and non educational staff)
- ❖ To avoid vandalism to the site
- ❖ To prevent air pollution
- ❖ To avoid theft of valuable building materials and equipment's
- ❖ To prevent unwanted visitors

BEME

TOTAL ESTIMATED COST	<u>₦ 15,500,000</u>	
DESCRIPTION	PERCENTAGE	AMOUNT
MISCELLANEOUS	10%	₦1,550,000
CONSULTANAT FEE	15%	₦2,325,000
SITE PREPARATION AND CLEARING AFTER COMPLETION	5%	₦775,000
TRANSPORTATION COST FEE	12%	₦1,860,000
PROFIT	20%	₦3,100,000
TOTAL	62%	₦9,610,000

COST OF MATERIALS NEEDED	38%	₦5,890,000
TOTAL ESTIMATED COST	100%	₦15,500,000

Payment Schedule

ESTIMATED PAYMENT SCHEDULE COST	<u>₹15,500,000</u>	
DESCRIPTION	PERCENTAGE	AMOUNT
MOBILIZATION	30%	₹4,650,000
HALF COMPLETION	30%	₹4,650,000
FULL COMPLETION	40%	₹6,200,000
TOTAL	100%	₹15,500,000

DEFECT LIABILITY	10%	₹1,550,000
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- 1) **BEME**; this is a review of the systematic, logical and explicit appraisal of available information to determine the best evidence relating to a project
- 2) **DEFECT LIABILITY PERIOD**; this is the period this is a fixed period of time, starting from date of practical completion, during which the contractor has an express contractual right to return to site to rectify defects
- 3) **LEAD CONSULTANT**; this is the person involved in directly dealing with the client, clearly making him understanding its needs and providing possible solutions for the client's considerations
- 4) **PROJECT LIFE CYCLE**; a project life cycle is the sequence of phases that a project goes through from its initiation to its closure
- 5) **ENVIRONMENTAL IMPACT ASSESSMENT(EIA)**; this is the assessment of the environmental consequences of a plan, or project prior to the decision to move forward with the proposed action