

Megat Irfan Zackry Bin Ismail

A20EC0205

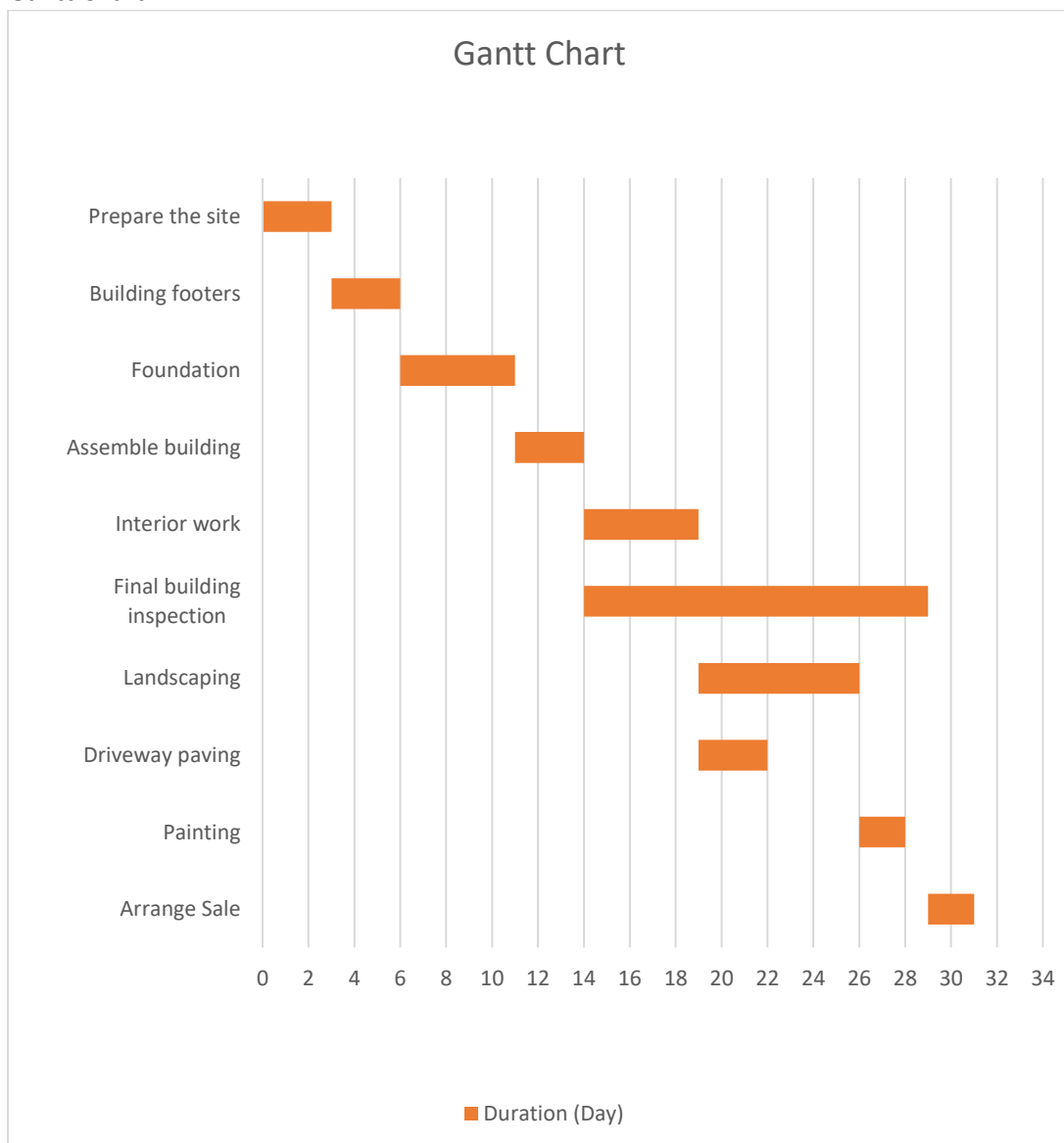
### Exercise-PERT 1

#### 1. Critical Path

- Path 1 : A-B-C-D-F-J      Length =  $3+3+5+3+15+2$       = 31 days
- Path 2 : A-B-C-D-E-G-I-J      Length =  $3+3+5+3+5+7+2+2$       = 30 days
- Path 3 : A-B-C-D-E-H-I-J      Length =  $3+3+5+3+5+3+2+2$       = 26 days

Since path 1 is the longest days, A-B-C-D-F-J, is the critical path for the project.

#### 2. Gantt Chart



3.

Index	Activity	Predecessor	Duration
A	Prepare the site	None	3
B	Building footers	A	3
C	Foundation	B	5
D	Assemble building	C	3
E	Interior work	D	5
F	Final building inspection	D	15
G	Landscaping	E	7
H	Driveway paving	E	3
I	Painting	G,H	2
J	Arrange sale	F,I	2

