

2099 - Autonomous Hovercr...

Key Dates (Semester 1)

OHS/RMSS Lecture	2
Initiation Survey	0.5
Library Workshop	5.5
IP Deed Poll	1
Mid-Semester Break	0
SWOTVAC	0
Exams	0
Mid-Year Break	0

Hovercraft

Structure

Concept design	25	Harrison Mark Vince, Jono Targett, Peter Dawson, Racquel Punu, Rahul Kalampattel
Body	53h	
Evaluation of existing body struc...	23	Harrison Mark Vince
Design of new body	10	Harrison Mark Vince, Peter Dawson, Racquel Punu
build/ modify body	20	Harrison Mark Vince
Skirt	62.6h	
Evaluation of existing skirt	5.6	Harrison Mark Vince, Racquel Punu
Design of new skirt	19	Racquel Punu
Build new Skirt	38	Harrison Mark Vince, Jono Targett, Racquel Punu
Lift/Thrust	37.1h	
Lift Fan	5.6h	
Evaluation of existing fan	5.6	Harrison Mark Vince
Thrust Fans	31.5h	
Evaluation of existing fans	15	Peter Dawson
Design of new thrust system	16.5	Peter Dawson
Electrical/Electronics	15h	
Evaluation of existing electronics	5	Jono Targett, Racquel Punu
Reconciliation of existing electroni...	10	Jono Targett, Racquel Punu
Landmine Detection	15h	
Evaluation of existing sensors	5	Harrison Mark Vince, Jono Targett, Peter Dawson, Racquel Punu, Rahul Kalampattel
Literature review	10	Harrison Mark Vince, Jono Targett, Peter Dawson, Racquel Punu, Rahul Kalampattel

Hovercraft Software

Declaration of Software Requirement...	5	Harrison Mark Vince, Jono Targett, Peter Dawson, Racquel Punu, Rahul Kalampattel
Software Design Document	5	Jono Targett, Racquel Punu
Integration of software requirements...	5	Harrison Mark Vince, Jono Targett, Peter Dawson, Racquel Punu, Rahul Kalampattel
Primary development phase	5	Jono Targett, Racquel Punu
Initial evaluation	5	Harrison Mark Vince, Jono Targett, Peter Dawson, Racquel Punu, Rahul Kalampattel
Secondary development phase	5	Jono Targett, Racquel Punu
Secondary evaluation	5	Harrison Mark Vince, Jono Targett, Peter Dawson, Racquel Punu, Rahul Kalampattel
Code finalisation and documentation...	5	Jono Targett, Racquel Punu

Control App

Selection of control device	2	Jono Targett
Declaration of Software Requirement...	4	Jono Targett
Software Design Document	5	Jono Targett
Primary development phase	5	Jono Targett
Primary evaluation phase	5	Jono Targett

423.7h

9h

2

0.5

5.5

1

0

0

0

0

0

207.7h

140.6h

25

53h

23

10

20

62.6h

5.6

19

38

37.1h

5.6h

5.6

31.5h

15

16.5

15h

5

10

15h

5

10

40h

5

5

5

5

5

5

5

5

26h

2

4

5

5

5

5



