

MINI STEAM CAR PROJECT

Faculty of Manufacturing Engineering Universiti Malaysia Pahang

THERMODYNAMICS								
BFF 2233	SEMESTER 2	SESI 2016/2017						
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A. OBJECTIVES

- i. To apply the thermodynamics concepts by design and develop thermodynamics project.
- ii. To explain the concepts of thermodynamics.
- iii. To work in a team to complete a design project utilizing thermodynamics.

B. PLANNING AND EXECUTION

MONTH	MAF	RCH			APR	RIL		MAY				JUNE
WEEK	3	4	5	6	7	8	9	10	11	12	13	14
CHAPTER 1 INTRODUCTION												
Background of the Project												
Scope of Project												
Objective												
Gantt Chart												
CHAPTER 2 METHODOLOGY			an annanana	<i>m</i>								
Procedure												
Costing												
Preparing materials												
Development of Steam Car												
CHAPTER 3 RESULT & DISCUSSION						a.v.a.a.a.a.a.a.a.a.a.a.a.a.a.a.a.a.a.a			oummmm	.v		
Justification Project												
CHAPTER 4 CONCLUSIONS											4	
Submission Report												
Competition												

- i. Students should establish a group of size 3 maximum.
- ii. Students proposed project (Week 3), prepare proposal report (Week 4), Develop hardware-progress 1 (Week 7), Continue develop hardware-progress 2 (Week 10), final report and presentation (Week 12), Exhibition (Week 13).
- iii. Plagiarisms are strictly not allowed.

C. ASSESSMENT TOOLS

- Project report (10%)
- Design Mini Steam Car (40%)
- Demonstration

D. REPORT

- i. The format of the report should follow standard reporting format.
- ii. Proposal Report
 - Title page
 - Table of contents
 - Introduction
 - Gives overview of the project, explains the thermodynamics concepts in this project.
 - Objectives
 - Scope
 - Project Planning Gantt Chart and Costing
 - Methodology (materials used, procedure of the project, design)
 - References/ Appendices
- iii. Final Report
 - Continue proposal report with the addition of;
 - Results and discussion- Results from the project/design. Success or failure? Justify and discuss.
 - Conclusions is it your objectives are achieved?
 - References/Appendices
- iv. Each group must submit a **softcopy** of the **proposal report** (pdf file) and **hardcopy** and **softcopy** of **final report** (pdf file) at KALAM.