

FACULTY OF MECHANICAL ENGINEERING
PROJECT PROPOSAL FOR M.Eng PROGRAMME BY TAUGHT COURSE
(FOR STUDENT)

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| PROGRAMME : <input type="checkbox"/> MMA/MKMP <input type="checkbox"/> MMB/MKMO <input type="checkbox"/> MMC/MKMB <input type="checkbox"/> MMM/MKMM <input type="checkbox"/> MMN/MKMI <input type="checkbox"/> MKMF | |
| SEMESTER TO BE OFFERED : I / II / III (Short Semester) : _____ SESSION : _____ | |
| NAME OF STUDENT : _____ SIGNATURE : _____ | |
| IC NO./ PASSPORT NO : _____ DATE : _____ | |

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|--------------------------------|---|------------------|-------------------|
| <i>COURSE COMPLETED</i> | <i>Research Methodology (COMPULSORY) *</i> | | |
| | <i>Faculty Course*</i> | | |
| | <i>I</i> | <i>II</i> | <i>III</i> |
| | | | |

* Please fill in the course code

TITLE : _____

OBJECTIVE : _____

SCOPE : (Please refer guideline)

Proposed Supervisor(s) & Signature :

(i) _____ ()

(ii) _____ (

Approved by Head of Panel

Name :

Date :

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GUIDELINE for WRITING of PROPOSAL for MASTER PROJECT by TAUGHT COURSE

The Master Project proposal should describe the project title, objective and scope.

Project Title

- The project title should follow the same guidelines that have been outlined by the Senate Committee for Graduate Studies (Bil. 6/2005/2006) on the writing of 'thesis title', namely :
 "The title should be a short and snappy description of the main topic of the thesis. Not more than 15 words. Redundancies such as "An investigation of..." , " A preliminary study of..." , "Analysis of..." , "On the ..." , " Theory of..." , "Some ..." , and "Toward a ..." must be avoided. Thesis title should not contain formulas, symbols or subscripts, Greek letters, or other non-alphabetical symbols; rather word substitutes are used" [*Thesis manual (2007 Edition) from www.sps.utm.my*].

Project Objective

- The project objective/s should state the main aim/s that the project hopes to achieve.

Project Scope

- The project scope should describe the extent/range of treatment of the project title. It defines the boundary of work to be carried out in the study. In other words, it outlines what aspects will be investigated in the current study and thereby, indirectly, what aspects will not be included in the study. The description of the scope should be sufficient to indicate the breadth and depth of the proposed investigation.
- The project scope IS NOT a listing of the general outline of a project methodology such as :
 (a) literature review, (b) experimental plan/design of questionnaire/software development,
 (c) experimentation/simulation/field study, (d) analysis, (e) discussion and conclusion.
- Example of an acceptable write-up of project scope :

Title : Performance Evaluation of Graphite and Copper Electrodes during Electrical Discharge Machining of Hardened Steel.

Scope :

1. Die sinking EDM will be employed.
2. Hardened steel of 55-60HRC will be used as workpiece material.
3. One copper type and one graphite type will be used as electrode materials
4. At least 5 machining parameters (factors) will be investigated
5. Response variable to be studied are surface finish, tool wear and micro cracks.
6. Design of Experiment will be applied

Project scope may also specify the name or type of software or equipment to be used if it is important the study.