Computer Engineering (CEG)

CG4001 BEng Dissertation

Final Year Project Proposal by External Organisation / Institution

(Duration of project: Semester \_\_, AY \_\_\_\_\_ and Semester \_\_, AY \_\_\_\_\_)

|  |  |
| --- | --- |
| Project ID | *(System generated number from projadmin)* |
| Title |  |
| Proposer | *(Name of CS or ECE faculty member)* |
| Co-Proposer | *(Name & contact of external supervisor/company supervisor)* |
| Category | FYP |
| Project Keywords | *(Please refer to the standard list provided in Appendix A and list a few that best describe the project. Alternatively, student may self-propose keywords.)* |
| Nature of Project | *(Please refer to Appendix B or self-propose.)* |
| Maximum Number of Students per Project |  |
| Details of Coordinator from the Organisation / Institution | Name and email :  Designation:  Organisation Name:  Mailing address:  Tel: (O) (HP)  Fax: |
| Project Description including Deliverables |  |
| Start Date/Duration | Semester \_\_, AY \_\_\_\_\_ / 2 Semesters |
| Requirements | *(State the software and hardware required to execute the project including their availability)* |
| Skill | *(State the skill set expected of the student)* |
| Benefits | *(State the benefits that the student is going to get after successfully completing this project)* |
| Lab Required  (at SoC / ECE) |  |
| For internal use: |  |
| Reviewer 1's Comments |  |
| Reviewer 2's Comments |  |

Appendix A: Project Keywords

Advanced Type Systems

Analysis of Algorithms

Combinatorial Optimization

Communication Networks

Computational Biology

Computational Geometry

Computational Intelligence

Computer / Processor Architecture

Computer Games

Computer Networks

Computer Vision

Constraint Programming

Control Engineering

Data Mining / Pattern Recognition

Data Structure and Algorithms

Database

Distributed Systems

Economics of IS / IT

Education Enhancement Software Development

Electronic commerce

Electronic government

Formal Methods

Graphics

HCI and eLearning

IS security management

Image Processing

Information privacy

Information retrieval / processing

Instrumentation and Sensors

Knowledge Representation / Expert Systems

Knowledge management

Learning and Decision Support

Machine Learning

Management of IS

Mathematical Logic

Medical Imaging

Mobile Computing

Natural Language Processing

Numerical Analysis

Operating Systems

Performance Analysis

Program Analysis and Optimization

Programming Languages and Application.

Real-Time / Embedded Systems

Robotics

Signal Processing

Simulation and Modelling of Semiconductor Devices

Software / Program Analysis

Software / Program Specification

Software Engineering

System Security

Textual Retrieval / Extraction

Time Concurrent Systems

Tool Support

Video / Audio Analysis

Virtual Organizations and Communities

Wireless Senor Networks

Appendix B: Nature of Project

Experimental

Hardware

Non-experimental

Software