4th Year Project

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Important

- There is no opportunity for re-assessment
- You must pass (40% or more) your project to be awarded your final degree
- For BSc Honours, the mark for your project will normally contribute towards 25% of your overall mark
- Late Penalties – at most you can submit two weeks late
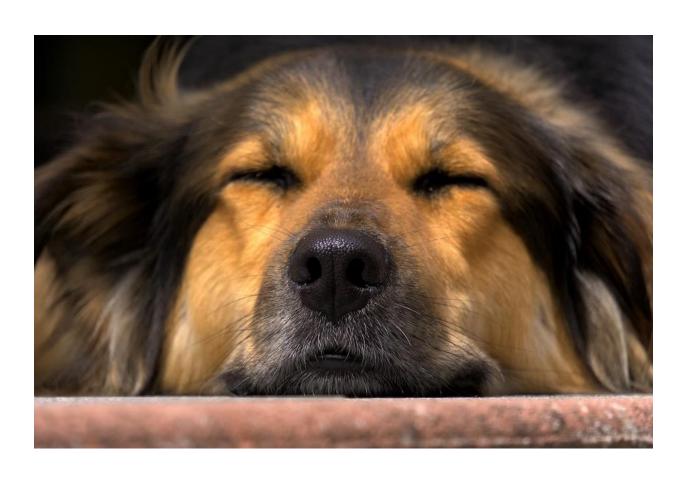- Use GitLab and keep a project blog

Structure

- Overview
- Project Allocation Process
- Seminars
- Deliverables and Assessment

Overview

- 40 credits = 400 nominal hours
- Staff suggested or self suggested projects
- Seminars in Semester 1 to help guide the process
- CS, SE, and MEng CS
  - Bulk of work carried out in semester 2
- BIS, CSL, and MCS
  - Manage workload if taking taught classes in semester 2

What should I do in semester one?

- As much preparation as you can manage
- New topic research? New technology?

What should I do in semester two?

- Easy to become less diligent with so much freedom
- Find ways to keep yourself motivated and engaged

Project Allocation

- Staff Suggested Projects process
  1. Examine the projects available – **released Monday 11th September**
  2. Talk to the staff member who proposed it
  3. Select 6 choices from the project choice system by **Friday 22nd September at 16:30**

- Self-suggested Project process
  1. Perform step 1 and 2 of staff projects column in case your proposal is unsuccessful
  2. Submit a proposal by **Monday 18th September at 12 noon**
  3. You will be informed by the end of Wednesday 20th September if your proposal has been successful. If not, perform step 3 of the staff projects process.

Staff Projects Choice Rules

- Link on MyPlace to select **6 choices in order of preference**
- You must **not** choose projects if they are inappropriate for your degree
- No more than two projects suggested by the same member of staff
- **Non-compliance may result in a project being allocated to you at random!**

How do you choose?

- Interesting!
- Achievable?
- Own goals

- Talk to the project supervisor before making your final selection!!

Important Caveats

- Don't pick projects you wouldn't be happy to complete
- ***no guarantee*** *that the member of staff that suggested a project will end up supervising that project*
- *Although reasonable effort will be made to ensure that you are allocated one of your chosen projects, this cannot be guaranteed*

Self-Suggested Projects

be completed in semester 2.

> You must obtain a mark of 40% or more for your project to qualify for consideration for a
> n honours degree in Computer Science or a Computer Science related subject. This fourth-y
> ear class is worth 40 credits and you are therefore expected to spend a nominal 400 hours
> on your project.

The British Computer Society (BCS) sets certain accreditation requirements for Individual Projects for both

BSc (Hons) and MEng degrees.

CS 408 Individual Project Information and Guidelines ✎

Project Timetable ✎

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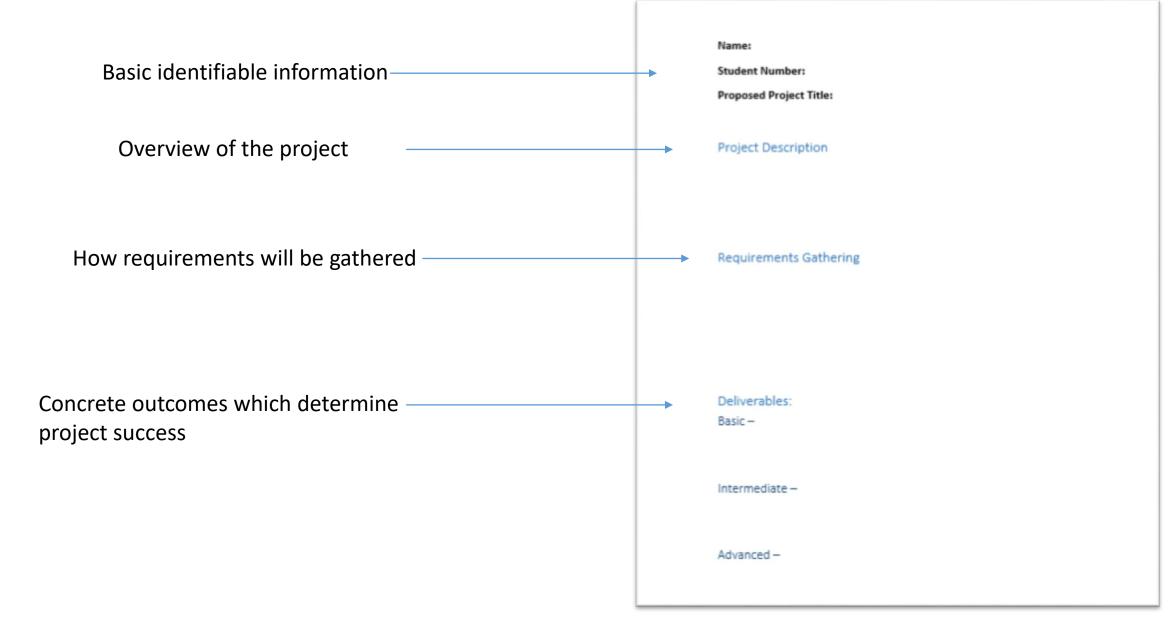Submit on MyPlace by proposal by **Monday 18th September at 12 noon**

Self-Suggested Projects Deadline 18th September ✎

Self-Suggested Project Proposal ✎

Self-Suggested Project Template ✎

Please use this template to write your project proposal

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Self Suggested Project Proposal

Basic identifiable information ⟶

Overview of the project ⟶

How requirements will be gathered ⟶

Concrete outcomes which determine
project success ⟶

Name:

Student Number:

Proposed Project Title:

Project Description

Requirements Gathering

Deliverables:
Basic –

Intermediate –

Advanced –

Important!

- Examine staff projects before submitting a proposal
- Take note of staff projects in case your proposal is unsuccessful
- Submit choices through the normal process if you are unsuccessful

Seminars

- Week 3, 5, 7, 9, 11
- Typically Thursdays at 3pm
- Topics
  - Scope and Outline and how to do a Review
  - Project Management using Agile Methodology
  - Evaluation and Ethics
  - Testing
  - Writing your Report

Deadlines – Semester 1

Week 1: Monday 18th September at 12:00	Self-suggested Project Proposal Submission
Week 1: Wednesday 20th September	Results of self-suggested project proposals
Week 1: Friday 22nd September at 16:30	Project Choices due
Week 2: Friday 29th September	Project Allocation Available
Week 5: Monday 16th October at 12:00	Project Scope and Outline Plan due
Week 12:Friday 8th December	Blogs checked

Project Scope and Outline Plan

- Maximum of 4 Pages
    - An overview of what the project is to achieve
    - A link and access details for your blog
    - A preliminary list of achievable objectives for the project.
    - A preliminary survey of related work.
    - A brief overview of the methodology to be followed
        - how the specification, design, implementation and verification of the project will be approached
    - A brief overview of how the end product will be evaluated
    - An initial project plan
    - Which marking scheme and why
- Comments made by your supervisor about your report
    - Maximum two paragraphs
    - should comment on the extent to which you appear to understand the nature and scope of the project, and to appreciate where the challenges in it lie.

Marking Schemes

- Software Development

- Experimentation

- Experimentation with Significant Software Development

Criteria / Marking Scheme	Software Development-based	Experimentation-based	Experimentation-based with Significant Software Development
Student Performance	10	10	10
Project Product	35	15	25
Project Process	30	30	30
Project Results and Evaluation	15	35	25
Report Presentation	10	10	10

ALL PROJECTS MUST HAVE AN EVALUATION!

Blogs

- At least once a week in the second semester

- As much as possible in the first semester, at least one!

- Suggested format – date with the following
  - Progress
  - Problems
  - Plans

- Doesn't need to be verbose or polished

- Engagement with project

- Possible tool – EduBlogs https://edublogs.org

Deadlines – Semester 2

Semester 2	
Consolidation and Development Week: Friday 12th January at 09:00	Project Poster due
Consolidation and Development Week: Friday 12th January	Project Poster day
Week 1: Wednesday 17th January	Poster feedback from second markers due
Week 6: Friday 16th February	Blogs checked
Week 11: Monday 26th March at 12:00	Electronic (MyPlace) submission of Project Report and Project Code
Week 11: Wednesday 28th March	Project Demo Day
Week 13: Monday 12th April at 12:00	Projects submitted later than this without illness or personal circumstances will not be considered by the exam board

Project Poster and Poster Day (Presentations)

- 6-10 slides covering
- The overall aims and objectives of your project.
- Details of your progress to date
  - *At least half of the poster slides should be devoted to these topics.*
- The evaluation plans for your project
- The overall project plan

Demo Day

- 30 minutes in total
- 5 minute presentation - brief overview of the project
  - submitted the day before poster day
- 25 minute demonstration
  - Demonstrate the functionality of the software **as it was at the time of submission**
- Your supervisor and second marker can ask questions

Lateness Penalties

- Submitted up to 4 days or part thereof – 10% off the mark for the project

- Submitted between 5 and 9 days – 20% off the mark for the project

- Submitted between 10 - 14 days – 30% off the mark for the project

- Note that if you pass the project before lateness, then you will be awarded your degree (assuming a pass in all other classes) but the mark with the penalty applied will contribute to your final classification

How to Succeed!

- Discuss projects with supervisors before selecting them!
- Meet your supervisor regularly
- Work regularly
- Organise your time
- Write early, write often
  - Blogs..