Minor Project Assessment Criteria

This document describes the assessment criteria for work submitted for the Major Project modules for students in the Computer Science department.

Modules

These criteria are used for the following modules.

- CS39620 Minor Project
- CC39620 Prosiect Byr

Scope of the work

The Major Project consists of all of the following:

- a piece of work that involves analysis of a problem, identifying possible solutions and undertake technical work to deliver a solution appropriate for the problem. The work may be based on use and integration of software components, evaluation and prototyping of designs and systems, developing and coding to a specification, development that is based on special equipment provided by the department, or some other form of equivalent activity.
- a body of documentation, which usually describes, clarifies, extends or in some other way augments the piece of development described above.
- a formal interview and project demonstration which will explore the student's insight into the project work and related topics, as well as the level of technical achievement represented by the project work.

The report, technical work and final demonstration are all required for marking.

Criteria

To achieve a mark in a specific range, the work must satisfy the **criteria shown in bold**, along with a majority of the remaining criteria for the range.

1st: 80%–100%

An outstanding body of work demonstrating a very deep insight into the problem and presented as such.

- Written components will be professionally presented in both layout on the page and logical structure. They will also be impressively presented in an appropriate style and will be grammatically of an extremely high standard.
- Demonstrates an excellent insight into the technologies employed and uses appropriate terminology accurately.
- Implementation components will be extremely well finished, will represent a very substantial level of technical achievement. The components will more than completely fulfil the functional requirements.
- The project demonstrations and discussion will illustrate the outstanding technical achievements in the work.
- The project as a whole will demonstrate a very strong commitment, and will have been approached in a very well organised and well-motivated manner.
- The evaluation will show outstanding insight into the submitted work and an understanding of the strengths and weaknesses in the work.
- Results and products of the project will be of publishable research quality and/or of a standard comparable to or better than that found in the products of industry leaders.

1st: 70%–79%

An excellent body of work demonstrating a deep insight into the problem and presented as such.

- Written components will be professionally presented in both layout on the page and logical structure. They will also be very well presented in an appropriate style and will be grammatically of a very high standard.
- Demonstrates an excellent insight into the technologies employed and uses appropriate terminology accurately.
- Implementation components will be very well finished, will represent a substantial level of technical achievement and can be demonstrated. The components will at least completely fulfil the functional requirements.
- The project demonstrations will illustrate the excellent technical achievements in the work and the accompanying discussion will illustrate clear insight into the problem.
- The project as a whole will demonstrate a strong commitment, and will have been approached in an organised and well-motivated manner.
- The evaluation will show excellent insight into the submitted work and an understanding of the strengths and weaknesses in the work.
- Results and products of the project are likely to be of publishable research quality and/or of a standard comparable to that found in the products of industry leaders.

2(i): 60%–69%

A good body of work demonstrating a good insight into the problem and presented as such.

- Written components will be well presented in both layout on the page and logical structure. They will also be presented in an appropriate style and will be of a good grammatical standard.
- Demonstrates good insight into the technologies employed and a good grasp of the terminology appropriate.
- Implementation components will be complete, will represent a reasonably high level of technical achievement and can be demonstrated. The components will usually fulfil the functional requirements in all aspects.
- The project demonstrations and discussion will illustrate a good level of achievement in the work.
- The project as a whole will demonstrate commitment, and will have been approached in an organised manner.
- The evaluation will show good insight into the submitted work. There will be a good attempt to assess the strengths and weaknesses in the work but has probably not addressed a few of the relevant issues.
- Results and products of the project would require some rewriting and improvement to be of publishable research quality and are likely to be of a standard slightly below that found in the products of industry leaders.

2(ii): 50–59%

A body of work which shows insight into the problem in most aspects.

- The documents will be structured in a reasonable way which allows them to be easily read, but may be lacking in structure, clarity and grammatical quality.
- Displays an adequate level of insight into technologies used and mostly uses terminology appropriately.

- Implementation components, will represent a moderate level of technical achievement and can be demonstrated. The components will probably be incomplete in some relatively minor aspects, and may omit some of the more advanced pieces of work.
- The project demonstrations and discussion will illustrate an adequate level of achievement in the work.
- The project as a whole will have been approached in an organised manner.
- The evaluation will show an adequate insight into the submitted work. Shows a reasonable understanding of the strengths and weaknesses in the work, but may have missed some of the issues.
- Results and products of the project would require significant rewriting and improvement to be of publishable research quality and are likely to be of a standard significantly below that found in the products of industry leaders.

3rd: 40–49%

A body of work which shows some insight into the problem.

- Written components will show what progress has been made, and make some attempt to show which areas have not been understood. Documents may show a lack of structure, comprehensibility, clarity and grammatical quality.
- Documents may also be incomplete in coverage of the work undertaken.
- Probably fails to show insight into the technologies used and often fails to use appropriate terminology.
- Implementation will represent an identifiable level of technical achievement, which can be demonstrated. It is likely to be incomplete and may omit some aspects of the core problem. No adequate attempt to tackle more advanced sections of the work.
- The project demonstrations and discussion will illustrate an identifiable level of achievement in the work.
- The project as a whole will have been approached in a disorganised manner and probably demonstrates a lack of commitment.
- The evaluation will show a limited insight into the submitted work. Shows some understanding of the strengths and weaknesses in the work, but will typically have missed several of the issues.
- Results and products of the project are likely to be poor and/or incomplete and will be well below publishable quality and of a standard significantly below that found in the products of industry leaders.

Fail: 30–39%

A body of work which shows poor insight into the problem or which demonstrates an inappropriate, inadequate or incomplete response.

- Written components will typically fail to accurately or completely describe the work done and will often contain little indication of which parts of the problem are understood and which are not. Documents often show a lack of structure, comprehensibility, clarity and grammatical quality.
- Failure to demonstrate insight into the technologies used and lack of or inaccurate use of the appropriate terminology.
- Implementation represents little or no identifiable technical achievement, is probably drastically incomplete, severely misguided or severely hampered by inability to use the technologies required. Probably unable to demonstrate some or all of the work.

- The project as a whole will have been approached in a disorganised manner and will demonstrate a lack of commitment.
- The evaluation fails to demonstrate insight into the submitted work. Will have typically have failed to discuss relevant strengths and weaknesses.
- Results and products of the project will be poor and incomplete, and will be well below publishable quality and of a standard very significantly below that found in the products of industry leaders.

Fail: 20–29%

Work which shows very poor or flawed insight into the problem, and an inappropriate, inadequate or drastically incomplete response.

- Written components will be poor in terms of presentation and content. They will usually fail to describe the problem, the work done, or to demonstrate the level of insight. They will also lack structure, clarity or comprehensibility and often be of a poor grammatical standard.
- The work will often show a failure to identify the technologies required to solve the problem and will not use the correct terminology.
- Implementation is likely to be absent, drastically incomplete, severely misguided or severely hampered by inability to use the technologies required, with virtually no evidence of technical achievement. It is probably not possible to demonstrate some or all of the work.
- The evaluation fails to show insight into the submitted work.
- The project as a whole will have been approached in a disorganised manner and will demonstrate an almost complete lack of commitment. Results and products of the project will be insignificant, poor and incomplete.

Fail: 0–19%

Very little work on either implementation or documentation, or a body of work which is very severely flawed by lack of ability to use the required technologies and/or to present the small amount of work done.

- Implementation absent, barely commenced or very severely misguided, with no evidence of any technical achievement.
- Demonstrates no commitment and very little work.
- Unlikely to generate any products of value at all.