

Student Project Handbook

How to Approach Your Project

School of Computing & Technology

Preface

Amongst the most difficult aspects for a degree is undertaking a project and submitting a report for assessment. The requirements and expectations for these are some of the most difficult parts to describe within the documentation of degree level Programmes, not least because students undertake individual projects which are tailored to their individual study programmes, work experience and opportunities, and academic interests.

The guide is intended primarily to support students studying degrees at Asia Pacific University College of Technology and Innovation.

The advice presented in this guide is helpful to students undertaking a degree qualification, which requires a project as part of their Programme. Such students should consult the relevant programme specific aspects to ensure that they have the necessary focus for their work.

Award specific information can be found on the website.

Above all remember:

If in doubt, consult your supervisor

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PART I All about Projects

1 Introduction

So far so good - you are now at the stage in your Programme to think about the start of your project. You may well be asking yourself at this stage, "Why are projects so important in a Degree Programme?" and more importantly to you, "What will I get out of completing a project?"

1.1 "Why are projects so important in a Degree Programme?"

Throughout the programme you have been developing an understanding of the relationship of the taught modules to one another. You have also been synthesising aspects of information technology, management and related topics in the context of your specific Programme requirements.

The module tutors have encouraged you to apply this knowledge to practical situations. You should by now be able to analyse various scenarios, draw conclusions and formulate solutions, so demonstrating that you can apply your recently acquired knowledge and theory to real situations.

The project gives you the opportunity to extend and unify your understanding of a selected topic and so demonstrate that you can indeed apply knowledge and techniques learnt on the Programme at a sophisticated level.

1.2 "What will I get out of completing the project?"

So far we have organised your learning for you - though it might not have seemed so at the time because you have been required to do a considerable amount of work on your own: Syllabuses however, have been laid down, text books specified, practical sessions designed, and examinations set.

Now you have to take the responsibility for managing your own learning and for producing a project report. Of Programme there will be people around you to help-including your supervisors and fellow students. You will be expected to initiate discussion and ask for help. You must manage yourself so it is no use sitting around waiting for somebody to tell you what to do next, or worse, complaining that nobody is telling you what to do.

So in answer to the question "What will I get out of completing a project?", you will of Programme become more specialist in the area you chose to investigate and be able

to apply experiential learning, problem solving, analytical and decision making skills to real situations. More importantly, you will learn to manage yourself, to accept responsibility for determining what you are required to do, as well as carrying it out.

You will have implemented some aspect of your Personal Development Plan. You will also be able to demonstrate a significant report or artifact to a potential employer so as to sell yourself effectively for the job you want.

Thus in conclusion the project is the vehicle that will promote your capacity to take initiatives and develop independence of thought in a supportive framework - qualities universally identified as being essential to industrial and commercial needs.

2 The Nature of the Beast. What is a project?

In this section we discuss the nature of the project experience you will be undergoing.

It is important to put the project in perspective - you are not studying for a Masters degree or a Ph.D. - yet!! There are considerable differences in the skills and training associated with your project report and a Masters or PhD thesis. Consider the production of your report as a training exercise in research work. You are undertaking an investigation, though not on the scale required for a Masters degree or a Ph.D.

By the time you have successfully completed your project you will be able to show that you

- have produced something that your peers will be interested in.
- have demonstrated a command of what is happening in your chosen area.
- have discovered where you can contribute to your chosen area of study.
- will have shown knowledge and understanding of the techniques that are currently being used in your area and have considered their limitations.
- can communicate your results effectively.

This list indicates that in order to successfully complete your project you have to acquire a wide range of skills. You have to be able to carve out a topic of study, to master the techniques required and put them to appropriate use, and communicate your findings.

Your supervisor will, of Programme, support you throughout your project. One thing is clear. You cannot achieve a good pass mark if you do not know what the standards are. There will be opportunity through both formal and informal discussions with your supervisor and by reading other projects to discover the standards you ought to aim for.

Probably the most visible and long lasting product of your project will be the report. A copy of this is usually kept so that other students can reference it, possibly long after you have graduated. It is very important, therefore, that this is up to standard as far as both the presentation and content are concerned. We can give advice on the presentation in this guide. The appropriateness of content will partly come from discussions with your supervisor.

2.1 What types of research projects are there?

Your project can take several forms. For example, it could be: -

• a written survey and analysis of a particular problem area with the deliverable being a business plan which you will have to evaluate or may be a set of guidelines for software development in a new area etc

or

• 'practical problem-solving' - for example involving the development of a software package, or formulating a solution to a real world business problem e.g. a marketing strategy.

These may seem to be vastly different, but they have very important similarities. Your project is really a scientific experiment, although you will very rarely think of it as such. The most important outcome from this experiment is what you have learned (and reported in your report). There may be other products from the work, for example, a software package.

The **process** by which you carry out the 'experiment' is also exceedingly important, and should be reported within the report. This gives confidence to any reader that you have approached the problem in a systematic way, and that they may have some confidence in your findings.

2.2 Are there any restrictions on the area of the project?

Your project must fit the characteristics of your particular programme. The following provides examples of the topic areas that may be suitable for projects on different Programmes.

If in doubt, discuss your ideas with tutors/Project Manager before you undertake the Research Methods module

Computing & IT

The project should address an appropriately challenging contemporary problem in Computing. Being a general computing award, the project could be concerned with an area of application of Computing in providing solutions to the type of problems arising in industry. There will be a balance of emphasis between the investigation, analysis, design and implementation phases of developing a computer based system.

Computing & IT with specialism in Information Systems Security

In addition to fulfilling the general requirements of the primary award, the project for the specialism is also expected to specifically demonstrate a focus in the area of Information Systems Security.

Computing & IT with specialism in Intelligent Systems

In addition to fulfilling the general requirements of the primary award, the project for the specialism is also expected to specifically demonstrate a focus in the area of Intelligent Systems, i.e. systems that apply concepts of 'Artificial Intelligence' e.g. expert systems, neural networks, natural language processing etc.

Computing & IT with specialism in Network Computing

In addition to fulfilling the general requirements of the primary award, the project for the specialism is also expected to specifically demonstrate a focus in designing and developing suitable solutions to problems arising in industry the area of Network Computing.

Computing & IT with specialism in Forensic Computing

In addition to fulfilling the general requirements of the primary award, the project for the specialism is also expected to specifically demonstrate a focus in the area of Forensic Computing. The projects will specifically demonstrate the use of appropriate techniques and skills to detect computer crime and the methods of gathering evidence and presenting it in the prosecution of such crimes successfully.

Software Engineering

The project should address an appropriately challenging contemporary problem in Software Engineering. The project could be concerned with the use and application of the proper methods, tools and techniques of Software Engineering in providing solutions to the type of problems arising in industry. There will be a balance of emphasis between the investigation, analysis, design and implementation phases of developing a computer based system, with particular emphasis on proper and professional software engineering practices and standards.

Network Computing

The project should address an appropriately challenging solution in Network computing. The project could be concerned with the use and application of the proper tools, methods and techniques of computer networking in providing solutions to the type of problems arising in the industry.

Internet Technology

The project should address an appropriately challenging problem in applying Internet Technology. The project could be concerned with the use and application of the appropriate technologies in providing solutions to the type of problems arising in the industry. The emphasis is on the development of a technical and well-documented solution using Internet, Intranet or Extranet technologies.

Enterprise Computing

The project should address an appropriately challenging problem in applying Enterprise Computing. The project could be concerned with the use and application of the appropriate tools, skills and techniques related to computing in providing solutions to the type of problems arising in industry especially in large enterprises.

Computer Graphics, Imaging & Virtuality

The project should address an appropriately challenging problem in the area of Graphics, Imaging & Virtuality. The project could be concerned with the use and application of the appropriate tools, skills and techniques related to Graphics, Imaging & Virtuality in providing innovative solutions to typical applications problems arising in industry.

Interactive Entertainment

The project should address an appropriately challenging contemporary problem in providing solutions to the Interactive Entertainment industry. The project could be concerned with the use of certain authoring tools and design principles to create innovative and interesting Interactive Entertainment applications.

Interactive Entertainment with specialism in Animation

In addition to fulfilling the general requirements of the primary award, the project for the specialism is also expected to specifically demonstrate a focus in the area of Computer Animation. The emphasis is on creating computer-generated animation for its application in various sectors encompassing marketing, educational, the entertainment industry etc.

Computer Games Design Development

The project should address an appropriately challenging problem in the area of Computer Games Design. The emphasis is to design and to implement a computer game engaging appropriate design principles and programming skills.

Interactive Multimedia

The project should address an appropriately challenging problem in the area of Interactive Multimedia. The emphasis is to design and create an Interactive Multimedia system using a rigorous approach and a recognised development methodology.

Web Media

The project should address an appropriately challenging problem in the area of Web Multimedia. The emphasis is to create a web-based interactive multimedia application using various development tools and methods.

Technology

The project should address an appropriately challenging problem in applying various types of Technology. The project could be concerned with the use and application of the appropriate technologies in providing solutions to the type of problems arising in industry by utilising suitable technologies especially for control and automation .

Technology with specialism in Computer Design Technology

In addition to fulfilling the general requirements of the primary award, the project for the specialism is also expected to specifically demonstrate a focus in the area of Computer Design.

E-Commerce Technology

The project should address an appropriately challenging problem in applying Internet and Communication Technologies in promoting business applications. The project could be concerned with the use and application of the appropriate technologies in providing solutions arising in industry that can be suitably addressed with online applications using the Internet as a primary delivery platform.

Communications Technology

The project should address an appropriately challenging problem in applying Communications Technology. The project could be concerned with the use and application of

appropriate technologies in providing solutions to the type of problems arising in industry that can be addressed with innovative application of Communications Technologies.

Communications Technology with specialism in Mobile Communications Technology

In addition to fulfilling the general requirements of the primary award, the project for the specialism is also expected to specifically demonstrate a focus in the area of Mobile Communications Technology including the relevant architectures, standards and protocols that can be utilized to solve industry problems.

Business Management

The Student Project will be developed according to research investigations conducted within the context of business management (i.e. Contemporary management strategies, new business models, decision making issues, etc.) The Student should address business issue(s) prevalent in a business/company selected.

Business Management with specialism in E-Business

The Student Project will be developed according to research investigations conducted within the context of E-Business (i.e. Electronic procurement, Internet Payment systems, Internet business models, etc.) The Student should mainly address E-Business issue(s) prevalent in a business/company selected.

Business Management with specialism in E-Procurement

The Student Project will be developed according to research investigations conducted within the context of E-Procurement (i.e., Supply Chain issues, E-Business strategy, Value Chains, etc.) The Student should mainly address E-Procurement issue(s) prevalent in a business/company selected.

International Business Management

The Student Project will be developed according to research investigations conducted within the context of International Business Management (i.e., Global Human Resource Management, Corporate Finance, Marketing, Management issues etc.) The Student should mainly address International Business Management issue(s) prevalent in a business/company selected. The project would have a global business application, instead of a local one.

Human Resource Management

The Student Project will be developed according to research investigations done within the context of Human Resource Management (i.e., People Management, Change management,

International HRM issues, etc.) The Student should mainly address Human Resource Management issue(s) prevalent in a business/company selected.

Marketing Management

The Student Project will be developed according to research investigations done within the context of Marketing Management (i.e., International marketing issues, Marketing communications, Retail Marketing, etc.) The Student should mainly address Marketing Management issue(s) prevalent in a business/company selected.

Accounting and Finance

The Student Project will be developed according to research investigations done within the context of Accounting and Finance (i.e. Financial reporting, Managerial Accounting, Auditing issues, etc.) The Student should mainly address Accounting and Finance issue(s) prevalent in a business/company selected.

Tourism Management

The Student Project will be developed according to the research investigations done within the context of Tourism Management (i.e. International and local tourism marketing issues, conference and exhibition management issues, etc.) The Student should mainly address Tourism Management issue(s) prevalent in a business/company selected.

Services Management

The Student Project will be developed according to the research investigations done within the context of Services Management (i.e. Strategic Entrepreneurship, Entertainment Industry, Customer Relationship development, etc.) The Student should mainly address Service Management issue(s) prevalent in a business/company selected. Business selected should be Services orientated.

Media Marketing

The project requires skills in multimedia and marketing, including advertising planning & copywriting. The project could be concerned with the use of planning, decision making, global & entrepreneurship aspects of marketing including the entertainment industry. The project will require a well written report in the area of Marketing communications, promoting certain products together with a multimedia system. The greater emphasis is on the report.

Media Informatics

The project emphasises using multimedia system as a promotional and communications tools. The project will specifically demonstrate the use of appropriate authoring tools to create multimedia system together with a well written report. The greater emphasis will be on the multimedia system.

Technopreneurship

The Student Project will be developed according to the research investigations done within the context of Technopreneurship (i.e., Innovation, New Product Development, Information Systems, etc.) The Student should be innovative and incorporate Technopreneurship idea(s) to address business/company problems.

2.3 Common 'dangers'

Before discussion the project report and the process it is useful to be aware of some of the more common 'dangers' you will face in working on your project:-

- initially you may tend to be over ambitious in the scope of your project and your tutors will recommend that you limit your study.
- you may focus too much on the product that you are producing, rather than the knowledge gained. This again can be very time-consuming.
- you may discover lots of interesting material when researching in the library, but its relevance to the project might be very tenuous. Try not to be diverted from the main 'experiment'.
- you may be descriptive in your approach when the need is to analyse and explain your topic. Be rigorous.
- you may lose contact with your supervisor you must be prepared to take the initiative and arrange to consult regularly with your supervisor.
- you may underestimate the importance of managing your own time and materials effectively.

3 The Finished Product - The Project Report

The project may be substantial and may take a variety of forms but the report should not exceed 10,000 words. DO NOT try to produce the biggest report possible. Quality is more important than quantity.

There are standards expected for the presentation of a report. You need not worry about these at the start of the project. Full details are supplied separately in appendix A.

Typically the format of the report should contain the following sections:-

Abstract - outlines the problem

- gives summary of the results - no more than ½ page in length

Contents - including page numbers

Introduction - specifies the problem (the what/who)

- gives the context/environment

- states briefly the approach you will be using (how)

Main body of the report, presented as a number of chapters covering

- detailed background description to work/problem

- what you propose to do to solve the problem

- rationale behind the design

- the design of your research plan

- evaluation of methods etc used

- evaluation of the significance of your findings

- a detailed discussion of the implementation of your solution

- results and evaluation / critical appraisal of your solution

Conclusions - summarise results / findings

- proposal for further investigation/research/development

- discussion of synthesis and evaluation of existing knowledge,

practices, techniques, artifacts or models

References/Bibliography (See Appendix B for the standard notation required)
Appendices if appropriate

3.1 Writing Technique

The biggest problem with writing any document, particularly one of a technical nature, is that we tend to forget **who** we are writing for. This is a very simple trap to fall into, but is the one that is likely to cause us the most trouble, particularly if the examiners of a project report cannot understand what is being reported.

If you were writing a User Manual, you would probably write it as a reference document, which is well indexed with each section self-contained. You could therefore move about it in a somewhat haphazard fashion, gaining (coherent) information as you went.

If you were writing an essay, you would probably adopt a more flowing and fluent style of writing, so that the 'story' was told to the reader who started at the beginning and progressed sequentially through.

If you were writing a novel, you might deliberately try to give false clues or defer important information until later.

Is there an appropriate style for a Project Report?

In practice, the answer probably lies between the first two. Do not fall into the trap of writing solely for an examiner!!!!! That presupposes some prior knowledge of who the examiner might be, and a bad guess could lead to disastrous consequences.

There is never likely to be only one reader. In fact, one could go further by saying that many readers may look at different parts of a report, and hope to extract information at very different levels. Whilst the 'golden rule' might be always to *write for the reader*, you must take care that you appreciate who the reader might be.

Remember your project report will remain long after you leave the Institution so should not leave the reader with any questions as to what you did and why you did it.

For business projects a detailed analysis of business techniques need to be incorporated, with a discussion of the reasons for your choices of solution as well as critically analysing your recommendations and measuring them against business needs.

For technology/IT projects you will need to address technology issues and describe interesting program code etc. The reader needs to understand what was developed and how it was developed which needs to include a discussion of programming code.

It is therefore **absolutely essential** that you write for the right reader, at least if you want to be successful. If in doubt ask your supervisor or Project Manager for advise.

3.2 Writing Style

Whilst you are taught to write (in whatever language) from a very early age, the one aspect that is rarely covered within any curriculum is the ability to communicate. This is fundamental. You may be trained to be competent in many other disciplines, such as technology or business, yet communication skills are often by-passed in the education process.

We do not attempt to redress this omission within this guide. Intuitively you may know what makes for good communication - you understand what is being said / written. But what are the key factors? Are there good techniques that ensure the communication takes place?

There is a significant contrast in styles between writing, say a detective novel and a technical report. In the former, the 'art' is to conceal the important information (such as who did the murder) until as long as possible, while in the latter, the ability to get information over as quickly, painlessly and completely as possible without confusion is paramount.

This naturally leads to different writing techniques. Although there are no hard and fast rules as to how this must be done, the following hints have been seen to work effectively.

The overriding principle is that communication is about conveying **messages**. You will therefore find that everything you write should be related to the messages. This leads to a number of different types of sentence, namely:

- the message itself,
- qualification of the message i.e. further explanation,
- an identification of which topics (messages) are coming up,
- a summary of what (messages) have been presented.

There are naturally different levels of message, but the same principles can be applied as the refinement process takes place (in the same way as program development may involve top-down refinement).

Try to present the message early, and then qualify it. If you find that a sentence (paragraph, section, chapter etc.) has two or more messages, split it into smaller units.

Identifying the topics that will be coming serves several purposes: it acts as a pseudo-index; it allows for a mental check on completeness; it also ensures more 'comfortable' reading, as there are no surprises awaiting the reader.

Summarising the material adds reinforcement in that the reader knows they have recognised all the points that have been covered.

If you map these very general 'rules' onto different parts of a thesis, you find:

Introduction

Message What the project is about.

Qualifiers Why it is a relevant topic

Appropriateness to different application areas.

What techniques it draws upon.

Topics Coming The forthcoming chapters.

Why they are relevant (at a high level).

Summary What you hope to discover / identify. (A hint at the

conclusions)

Within each Chapter

Message What the chapter is about.

Qualifiers Why the chapter is in the report

What its contribution is to the project 'message'.

Topics Coming An indication of the sections within the chapter,

with the rationale (briefly) for why you are

including them.

The individual sections would then follow.

Summary Reinforcement of what has been presented within

the chapter (i.e. its message).

Within each Section

Message What the section is about.

Oualifiers The relevance of the section.

How it contributes to the message of the chapter.

Topics Coming An identification of sub-sections etc.

Summary Reiteration, if necessary.

Within each Paragraph

etc.

It can be seen that this same format can be applied recursively throughout the entire report. While this may appear rather monotonous, it is a technique that works very effectively, both in conveying information and helping the writers with a mental block!!!

PART II Doing the Project

4 Getting Started

The project is a vital part of your degree and as such needs to be treated as such. A lack of management on your side can mean the difference between passing or failing the project.

The following outlines the process for developing your project idea and how this affects the project.

4.1 Stage 1 - The Research Methods Module

You will attend the Research Methods module in level 2 of your programme. In this module you will be taught about different research methodologies. It provides the tools and techniques for completion of the final year investigation and project. The topics covered are: ideas generation, reviewing and evaluation of literature, research approaches and strategies, hypothesis setting and testing, access and ethical issues, sampling techniques, secondary data sources, observational and interview research, questionnaire design and development, analyzing quantitative and qualitative data and discussion of findings.

You will be coached in the area of topic selection, how to work with your supervisor and how to produce a project proposal

4.1.1 Choosing your topic

You have considerable freedom in choosing a topic to research so long as it builds on aspect(s) of the Programme you have studied and meets the overall aims of your programme of study. Make sure it is a topic which you can see yourself studying for some time - many researchers have come to grief simply because they lose interest in the area they are investigating.

Talk to your tutors about your idea(s) in order to establish its potential. You may have several topics that you feel are worthwhile - consider both work-based/related projects as well as topics that are of personal interest to you.

After discussing your ideas you will have a general idea for the project topic. This should be brought to the Research Methods module.

4.1.2 Working with your supervisors

You will be allocated a supervisor for the duration of your project. It is vital that you communicate with your supervisor regularly, as their experience and expertise will provide you with insights into the project process and ensure that you remain focussed on your project area.

Good rapport and communication between you and your supervisor are the most important elements of supervision. Remember you will need to communicate regularly with your supervisor both in preparing your proposal, and then in the planning and implementation of the project.

4.1.3 Writing your proposal

You will have an opportunity to apply some of the skills and techniques attained in the Research Methods module by developing a research proposal. It will be the basis of the final year project. In terms of content, the proposal must reflect the award being studied and should contain the following:

- Introduction to the area of study and a discussion of how the area of study relates to your study programme
- Objectives of the project. What problem is it trying to solve?
- Methodology a project development plan
- Proposed contents to include areas of further investigation required to complete the project.
- Initial literature review of some of the areas outlined in the proposed contents
- Deliverables what you intend to produce at the end of the project and how you will measure its success
- Timescales to identify the general timings of the steps identified in the methodology
- References to work of relevance to your project

The purpose of this proposal is to ensure that you have a viable topic and adequate resources to complete your research successfully. See Appendix C for further details of the format of your proposal.

Your proposal will be examined to ensure that the topic is suitable for your award and that ethical issues have been addressed.

4.2 Stage 2 - The Research Investigations Module

At level 3 you will undertake the Research Investigations module that will help you to expand your knowledge of the project area you identified at level 2 in your proposal so that you can analyse and critically assess the literature in your project area. You must also confirm, or give reasons to change, the research and objectives for the Level 3 Project.

You will produce a detailed review of the literature in your chosen area so that you can formulate research questions in your project area and justify a research design. You will also be expected to evaluate primary and/or secondary evidence on a research question. This will result in your literature review.

4.2.1 The Literature Review

Your proposal will have identified the various stages of your research. These stages will have 'tasks' associated with them, completion of which should be measurable.

Your first task is to embark on the preliminary research for your project area. This research will be used to produce your literature review which will identify the key research/developments etc that have taken place in your field of study and how this impacts on your proposed outcomes.

4.2.2 Organising yourself and others

To maximise your chances of completing your project to your declared deadline you should draw up a timetable that contains a number of target deadlines for you to aim at. Of Programme it is unrealistic to expect that you will go through these stages in a straightforward way. You may lag behind and have to revise your schedule - that does not matter, as you are still moving positively towards completion of the project. Typically students gradually realise that progress is slower than they had expected. Having a series of deadlines to work towards will urge you to get on and do whatever you are supposed to do. In fact it is not at all unusual for people to leave things until the very last minute because they find it difficult to work well if they are not under pressure - a strategy not to be recommended though! You will also have the sense of achievement as you complete the set task and decide to 'treat' yourself at this stage. At all cost you must simulate a motivating device. But above all - be realistic.

5 The Project

Having completed your literature review you will then be ready to use appropriate research techniques and methodologies to achieve the aims and objectives specified in your proposal, and further justified in your literature review.

5.1 Organising Yourself and Others

At the mid-point of your project you will be required to present your progress to your second advisor. The purpose of this meeting is to check on your progress and give you some advice to assist in your project progress as well as writing/presentation practice.

5.2 How to Keep Going When the Going Gets Tough

It is important that you meet your supervisor regularly as they will be able to motivate you when things look tough.

5.2.1 Psychological Stages you might go through.

We have already discussed the intellectual challenge of this project but neglected so far to emphasise the fact that there is also a considerable emotional component to the experience.

As you start your project you will be full of enthusiasm but as time progresses this might wane. You will experience a variety of emotions.

- Isolation. Up to now you have had regular contact with fellow class mates and will have been able to work in small groups for some project work. You will now be expected to tackle a project on your own..
- Boredom it is not unusual to feel 'fed up', confused and completely 'stuck'
 about halfway through your project. This 'getting nowhere' syndrome is
 common the monitoring and repetitiveness of concentrating on the same
 thing for an extended period of time are quite common. Both seem to be
 an integral part of learning how to be systematic about research and
 disciplining yourself to continue.
- Frustration You will frequently feel that nothing is 'going' your way. The
 book you want will take several weeks to arrive your supervisor will not
 always be available for consultation at the exact moment you experience
 difficulties the pressures of work increase. Or new avenues will open up
 as you progress with your project that are really interesting and may seem

worth pursuing – you need to be very careful at this time as, to complete your project you must be focussed and not be sidetracked.

5.2.2 Support Groups

How can you best prepare yourself for this emotional drain? Several support groups are readily available if you get organised:-

Firstly - by the time you start your project you will have made many friends from studying on the Programme - you will have an established network - use it! Make a list of email addresses / telephone numbers - circulate it - and arrange to meet regularly to discuss project related problems, offer mutual criticism and encouragement, and/or have a good 'moan' if you feel like it.

Use your tutors (both your supervisor and other members of staff). You should have established a good working relationship with your supervisor - ask for advice/guidance - but remember it is **your** project - do not expect your tutors to do the work for you!!

Thirdly - your family and friends have supported you throughout your studies on the Programme. During your project you might consider using them in a more active role. For example if someone in your family has time, ask them to proof-read your literature review/report.

PART III

The Appendices

Appendix A The Project Report

Submission of the Project Report

The following regulations apply to the submission of a project for your degree.

The report shall be presented in English.

A report must be submitted for examination in a bound form which is sufficiently secure to ensure that pages cannot be added or moved.

There shall be an abstract of approximately 300 words bound into the report, which shall provide a synopsis of the project stating the nature and scope of the work undertaken. The abstract shall have the name of the author, the programme for which the project report is submitted, the year of submission and the title of the project as a heading.

The report should include a table of contents, with page numbers.

The text of the report should normally not exceed 10,000 words (excluding ancillary data):

A copy of the report will be retained by the Institution and will normally be available openly for reference purposes. The copyright of the project report remains the intellectual property of the Institution.

Where it has been agreed that the confidential nature of the candidate's work is such to preclude published material being made freely available, the material shall be retained by the Institution on restricted access and, for a time not exceeding 2 years, shall only be made available to those who were directly involved in the project.

An application for confidentiality shall normally only be approved in order to enable a patent application to be lodged or to protect commercially or politically sensitive material. A project report shall not be restricted in this way in order to protect research leads. While the normal maximum period of confidentiality is two years, in exceptional circumstances a longer period may be approved on application to the Institution. Where a shorter period would be adequate, confidentiality shall not be automatically granted for two years.

A project report, which does not conform to the requirements for presentation, will normally not be considered for assessment.

MINIMUM REQUIREMENT FOR DOCUMENTATION - INVESTIGATION REPORT

CHAPTER 1: INTRODUCTION TO THE STUDY

Background to the Research

Review of Past Research Work and Identification of Gaps

Research Problem / Research Question

Aims and objectives

Justification for the Research

Methodology

Conclusion

CHAPTER 2: LITERATURE REVIEW

Introduction

Topics covered, including the year, the industry, the country and/or region, and the

Domain Research

- Findings by others
- Limitations and problems of the research by others,
- Gaps in the topic
- Contribution to the body of knowledge that is relevant to the research problem,
- How it compares and contrasts with the positions developed by other researchers.
- Similar Systems

Technical Research

- Language
- Database
- Architecture
- Methodology

Conclusions

CHAPTER 3: RESEARCH METHODOLOGY

Introduction

Research Approach

Primary Research

- Focus Group Study
- In-depth Interviews
- Survey
- Questionnaire Instruments
- Questionnaire Layout
- Pilot Testing
- Reliability
- Response Format

Data Analysis Methods used

Qualitative Analysis, Quantitative Analysis

Ethical Considerations

Conclusions

REFERENCES

MINIMUM REQUIREMENT FOR FINAL DOCUMENTATION

Acknowledgements Abstract Table of Contents List of Tables List of Figures

CHAPTER 1: INTRODUCTION TO THE STUDY

Background to the Research Review of Past Research Work and Identification of Gaps Research Problem / Research Question Aims and objectives Justification for the Research Methodology Conclusion

CHAPTER 2: LITERATURE REVIEW

Introduction

Topics covered, including the year, the industry, the country and/or region, and the

Domain Research

- Findings by others
- Limitations and problems of the research by others,
- Gaps in the topic
- Contribution to the body of knowledge that is relevant to the research problem,
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CHAPTER 3: RESEARCH METHODOLOGY

Introduction

Research Approach

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- Focus Group Study,
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- Response Format

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• Qualitative Analysis, Quantitative Analysis

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Conclusions

CHAPTER 4: PRESENTATION AND ANALYSIS OF DATA

Introduction

Survey Findings

- Characteristics of the Respondents
- Questionnaire
- Findings

Analysis using Statistical Packages

Analysis from Qualitative Results (Interviews, Focus Group)

Conclusion

CHAPTER 5: SYSTEM IMPLEMENTATION & TESTING

Introduction to the System

How the analysis was used to create the system

How the Literature Review was used to support the system

Important codes for implementation

Testing of the system

Implication in reference to the PSF (if any)

CHAPTER 6: CONCLUSIONS AND RECOMMENDATIONS

Introduction

Conclusions relating to the Research Objectives

Recommendations and Suggestions

Limitations

Self-Review (How the project was managed)

Further research

Conclusion

APPENDICES

Compulsory

Appendix A : Log Sheets Appendix B : Gantt Chart

Appendix C: Project Specification Form

Appendix D : Learning Contract

Appendix E: Ethics Form

Dependent on Project

Appendix F: Focus Group Interview Questions (optional)

Appendix G: Survey Questionnaire (optional)

Appendix H : In-depth Interview Questions (optional)
Appendix I : Descriptive Statistics on Survey (optional)

Appendix J: Interview Transcript (optional)
Appendix K: Testing Report from users

REFERENCES

Presentation of the Report

The following requirements shall be adhered to in the format of the submitted project report. Where a candidate desires fuller guidance, reference may be made to the British Standards Institution specification BS 4821 (1990). Where the Institute's regulations differ from BS 4821 in points of detail, a candidate may follow either.

- a reports shall be in A4 format;
- b copies of the report shall be presented in a permanent and legible form normally laser printed. The size of character used in the main text, including displayed matter and notes, shall not be less than 2.0mm for capitals and 1.5mm for x-height (that is, the height of lower-case x) (12 point Times New Roman advised);
- c the report shall be printed on the recto side of the page only; the paper shall be white and within the range 70 g/m^2 to 100 g/m^2 ;
- d the margin at the left-hand binding edge of the page shall not be less than 40 mm; other margins shall not be less than 15 mm;
- e one-and-a-half spacing shall be used in the typescript except for indented quotations or footnotes where single spacing may be used;
- f pages shall be numbered consecutively through the main text including photographs and/or diagrams included as whole pages;
- g the title page shall give the following information:
 - 1 the full title of the project;
 - 2 the full name of the author;
 - 3 that the degree is awarded by the Institution;
 - 4 the programme for which the degree is submitted in partial fulfilment of its requirements;

[Specimen project report title page]

THE DEVELOPMENT OF A REALLY INTERESTING SYSTEM TO SOLVE A PROBLEM

JOHN SMITH

A project submitted in partial fulfilment of the requirements of Asia Pacific University College of Technology and Innovation for the degree of BSc (Hons) in Computing and IT

December 2004

Appendix B Citation of References

How to Cite References

When you are writing your assignment or essay it is essential that you provide detailed and precise information on all the sources you have consulted (references). You may have used books, journal articles, newspapers, TV programmes, videos, the internet, government papers,

statistics,

etc.

Every time you use quotations, or draw upon facts and arguments you must acknowledge your sources. This protects you from accusations of plagiarism (stealing other people's ideas and statements and passing them off as your own).

Citing your references also enables the reader to identify and trace the works that you used, and shows the authority on which you base your statements, demonstrates how well acquainted you are with the subject, and is a starting point for anyone else wanting to find out about the subject.

For further information on citing your references see the Research Methods module at Level 2 of your programme

The Harvard System

A number of methods exist for citing references. The Institution uses the Harvard (Author/Date) System as set out by the British Standards Institution specification BS 5605 (1990)

Appendix C Project Proposal

(No more than four pages)

DRAFT PROJECT PROPOSAL

Student Name:
Student No:
Email Address:
Programme Name:
Title of project:
Please record which modules your topic is related to:

1. Introduction

Assume the reader has very little knowledge of the subject.

Introduce the topic, the sector of business/industry concerned and how the project relates to it. Define the context of the problem and identify the research required to solve it.

2. Problem Statement

Identify past and current work in the subject area.

Outline the key references to other people's work, indicate for the most pertinent of these how your proposal relates to the ideas they contain.

3. Project Aims and Objectives

Identify the AIM(s) of the project, i.e. what the overall achievement is intended to be, in terms of both academic and commercial/industrial advances.

Identify the particular intellectual difficulties posed by the proposal, the problems to be addressed, and explain how these might be solved.

Clearly list individual measurable OBJECTIVES which can be related to the workplan and deliverables.

Aims and objectives are subject to approval from supervisor and students are expected to revise them if deemed inappropriate for a Level 3 project.

4. Deliverables

Provide a clear list of the outputs from the project.

Appendix D Marking Criteria



Asia Pacific University College of Technology and Innovation

Investigations Module Assessment Form

ent's Name:		Student's ID No:	Intake:
ward Title:			
itle of Investigation:			
	 		<u></u>
Supervisor:			
Second Marker:			
Moderator:			

Notes

- This Investigations Assessment Form is intended to give a quantitative means of judging a student's performance for the investigation stage of research, through the development of a written report based on their chosen topic.
- The Supervisor and Second Marker are required to mark on the scale for each category their assessment of the student's performance under each category, with additional comments to qualify their judgement. At the end the marks should be totalled up.
- The Supervisor and Second Marker should include comments to justify the assessment given.
- If a Supervisor or Second Marker is unable to assess any category, this should be noted in the "Comment" area.
- The form must be completed together by the Supervisor and Second Marker with both agreeing the final mark awarded. Note that only ONE form should be completed for a student in order that both Supervisor and Second Marker assessment information is kept together.

1 Problem Identification and Specification of Research Objectives

The student's ability to specify a topic of study which can be developed into a final year project.

Little relevance	1	1			Very relevant
No research has been carried out. The work does not consider any external sources of information.	Weak introduction to the topic, failing to discuss the issues associated with the dissertation. No evidence of research activities having taken place.	3 4 Provides a limited discussion of the key issues associated with the dissertation with little indication of research.	Satisfactory introduction to the topic area but lacking in detail in most areas. Some evidence of research activities taking place.	Good introduction to the topic covering most areas of interest in detail. Research is evident but some areas a bit sparsely discussed. Generally relevant to the objectives.	Research has been carried out in a highly appropriate manner. The evidence provides no doubt that the activities have been completed and is relevant to the objectives.
Comments: 2 Relevant	nce of Researc	h Undertaken			

The student's performance in identifying the research relevant to the topic area

I	ittle relevance	Ī	ı	Ī	Ī	Very relevant
	No research has been carried out. The work does not consider any external sources of information.	Weak introduction to the topic, failing to discuss the issues associated with the dissertation. No evidence of research activities having taken place.	3 4 Provides a limited discussion of the key issues associated with the dissertation with little indication of research.	Satisfactory introduction to the topic area but lacking in detail in most areas. Some evidence of research activities taking place.	7 8 Good introduction to the topic covering most areas of interest in detail. Research is evident but some areas a bit sparsely discussed. Generally relevant to the objectives.	9 10 Research has been carried out in a highly appropriate manner. The evidence provides no doubt that the activities have been completed and is relevant to the objectives.
-	Comments:					

3 Critical appraisal of the subject matter

Very little	•		1		A lot
0	1 2	3 4	5 6	7 8	9 10
No appraisal included.	Only a weak appraisal included no real critical detail provided, very superficial in nature.	A basic appraisal is provided but is fairly weak omitting to address several important appraisal issues.	Suitable appraisal given which addresses most areas but slightly lacking in depth.	A good appraisal given covering nearly all appraisal aspects and to a good level of depth.	A very high quality appraisal provided covering all issues to an extremely high standard.

Comments:

Development of the student's research skills Very poor Very good 1 2 9 10 Only trivial skills No new or Some skills The student has The student has The student has existing skills developed either developed some shown a high level of learned or developed and developed. developed. existing or totally sound existing and applied some sound development related Learning in the new. The skills new skills, but has existing and new to the development of main is negligible. learned are basic room to have skills, but has room existing and new applied several more to have applied and restricted with skills. In relation to Not much in the way of totally new further skills. themselves to the project learning development several more skills. substantive and undertaken. possible. appropriate learning of skills is shown. **Comments:** 5 The written report Very poor Very good 9 10 5 6 The report is The written The report is very A reasonable The report has A very good report weak in its poor in report has been been produced of a document does has been produced presentation. good structure showing no not adequately presentation with produced with all Sections required represent a its construction, required sections. containing suitable deficiencies in will be present literature lacking most In areas there are sections and is organisation or of but not review. elements of a minor deficiencies well written and writing style. The addressed at a well laid out. literature review. such as layout. work is of a suitable level. professional standard **Comment:** 6 Referencing Very poor Very good 1 2 5 6 9 10 The references No referencing Weak referencing. Satisfactory Good coverage of Very good use of provide a limited included Small number of referencing has been the topic with the references with a discussion of the citations not carried out, some citations provided, highly appropriate literature showing suitable literature out of date being mostly coverage which is available and spread of literature or of little relevance. relevant and up to relevant, up to date may be outbeing reviewed. Referencing style date and correctly and properly dated. needs tidying up. referenced. referenced. **Comment:**

7	Comments and	Recommends	ations
,		IXCCOMMINICATOR	16167115

(Please supply any relevant comments, particularly if a fail or distinction recommendation is made).

Supervisor comments
Second Marker Comments
Further comments on the agreed recommendation/moderation of overall grade (if applicable)

Agreed Recommendation

Between Supervisor and second marker, calculate the student's final scaled percentage Note that the Supervisor and Second Marker need only complete one Assessment Form

To calculate the student's final mark for the literature review the mark for each section needs to be entered in the appropriate box below then multiplied by its weighting. These should be totalled up to give the overall scaled percentage.

	Mark	Weight	Scaled Mark
1. Problem identification and objective	es	x2	
2. Relevance of research undertaken		x2	
3. Critical appraisal		x2	
4. Discussion of research for project		x2	
5. The written report		x1	
6. Referencing		x1	
Final Scaled Percenta	age		

Signature of Supervisor:	Date:
Signature of Second Marker:	Date:
Signature of Moderator (if applicable):	Date:



Asia Pacific University College of Technology and Innovation

Project Assessment Form

ent's Name:	Student's ID No:	Intake:
1 min		
ward Title:		
Title of Investigation:		
Supervisor:		
Second Marker:		
Moderator:		

Components

This Form comprises two components, equally weighted. For each component there are 6 criteria to be assessed, each weighted as shown in the summary table at the end of the Form

Notes

- This Project Assessment Form is intended to give a quantitative means of judging a student's performance for the initial stage of their research, through the development of a written literature review based on their chosen topic.
- The Supervisor and Second Marker are required to mark on the scale for each category their assessment of the student's performance under each category, with additional comments to qualify their judgement. At the end the marks should be totalled up.
- The Supervisor and Second Marker should include comments to justify the assessment given.
- If a Supervisor or Second Marker is unable to assess any category, this should be noted in the "Comment" area.
- The form must be completed together by the Supervisor and Second Marker with both agreeing the final mark awarded. Note that only ONE form should be completed for a student in order that both Supervisor and Second Marker assessment information is kept together.

Component 1: Project Management, Development and Documentation

1.1 The student's performance in managing the project (i.e. meeting deadlines, coping with events, using resources efficiently) and working in an independent, organized manner without excessive supervision and/or guidance.

resources e and/or guid		ing in an independer	nt, organized manner	r without excessive	supervision	
Rare meetings or thread lost between meetings, or almost entirely staff driven, or no bona fide attempt to keep to plan	Found it difficult to keep to plan, or failing to keep records, or needing lots of help, or missed many meetings	Regular meetings, appropriate time scales, organized, some help to keep project on track	Proactive in regular meetings, clear about next stage, took advice. Updated plan.	Outstanding management of project, all other assessed work taken into account in planning, fully organized	100% completely professional approach	
0 1	2 3	4 5	6 7	8 9	10	
	t's performance in a		n situation and apply	ving/documenting th	e chosen	
analysis and		chniques and the qua	ality, appropriatenes			
No/very minimal analysis	Analysis does not use proper technique and or model/specificatio n/report is not created	Analysis uses suitable technique. Minimal model/specificatio n/report is created	Analysis is accurate and good use of the analysis technique is made. It is well presented and leads to a sound well documented model/specificatio n/report	Excellent incisive analysis leading to well defined model/specificatio n/report of high quality that is fully accurate. Analysis technique is followed or well adapted with documented adaptations	Completely professional analysis and model/specificati on/report	
0 1	2 3	4 5	6 7	8 9	10	
1.3 The quality of the student's description of the problem area/domain and the feasibility of the design as a way of overcoming the existing problems and in selecting and justifying the choice of appropriate analysis and design method(s) and reporting as shown in the Supervisory meetings and in the Project Report.						
No analysis or no design or minimal analysis and design	Analysis and design present but investigation does not drive analysis or analysis does not drive design or methods used badly	Limited analysis and design methods chosen but investigation A&D have logical flow through	Appropriate analysis and design methods chosen documented, Clear connection between investigation, analysis and design/report	Effective analysis and design used well throughout with clear line of thinking through the documentation	Excellent methods description with sound choice made adapted methods to suit project fully justified and connected thinking. Publishable without amendment	
0 1	2 3	4 5	6 7	8 9	10	
Comment:						

1.4	The quality, appropriateness and	d accuracy of the s	student's design	which is prod	duced from	the model,
	definition and/or specification, a	as represented in the	he Project Repor	rt.		

No design or nominal only	Poor design, insufficient consideration of detail ,top level only or design not related to	Limited design, or design not well related to specification or model	Appropriate design, clear and accurate, satisfactory for the implementation of the project	Excellent design covering all aspects of the specification, fully appropriate to the project, showing clear	Publishable design without amendment
	specification or models			showing clear thinking	
0 1	2 3	4 5	6 7	8 9	10

Comment	•	 	 	 	 	 	 	

1.5 The extent to which the project report conforms to the stated criteria for an academic report in terms of length, style, structure and form and the perceived clarity, 'readability' and effectiveness of the project report as a technical and/or business communication document (e.g., standard of English, economy of text, use of diagrams and appendices).

_					
Major sections	Report is	Acceptable report	Effective report	Outstanding,	Report of
missing, or no	unbalanced or	structure, some	using academic and	comprehensive	publishable
referencing, or	unclear, or it is	referencing, no	technical language,	and clear report,	standard without
report is	difficult to follow	missing parts,	fully structured,	very high	amendment
unreadable as an	ideas, or	clarity of	accurately	standard of	
English Report	referencing is poor	language.	referenced	presentation	
	or inconsistent ,or			aimed at the right	
	lack of illustrative			level throughout.	
	content			Fully referenced	
0.1	2.3	4.5	6.7	8.9	10

Comment:	

1.6 The quality of the documentation which relates to the implementation solution (e.g. user manual or system documentation, design, artefact, experiment, business plan or marketing plan) and to the testing and evaluation process (e.g. the testing plan and results)

No or minimal	Either	Sufficient	Extensive and well	A quality piece of	Publishable
implementation	implementation	implementation	organized	work giving full	implementation
documentation or	documentation or	documentation	implementation and	coverage of the	documentation
testing evaluation	testing evaluation	and testing	testing evaluation	solution and full	with sufficient
documentation	documentation is	evaluation	documentation	program of	testing evaluation
	significantly	documentation		testing/evaluation	to ensure that the
	deficient			undertaken	product fulfils its
					specification and
					implemented
					criteria
0 1	2 3	4 5	6 7	8 9	10

Comment:	 	

Component 2: Implementation and Critical Evaluation

2.1 The student's performance in selecting and utilizing the choice of appropriate implementation or problem - solving method(s) and the level of organization or engineering in the student's approach to transforming the model, experiment or specification into an effective implementation, as shown in the Supervisory meetings and in the Project Report.

No	Weak	Appropriately	Very well	Excellent use of	Fully
implementation	implementation	structured	engineered /	appropriate	professional
or insufficient	with little	implementation	developed solution,	principles and	choice and use of
implementation	structured solution	which follows	with evidence that	models, both	model
to show	development	from design	student has used	higher and lower	
competent use of			proven methods in	levels in	
any problem			transforming	implementation	
solving methods			design into	from design cycle	
			implementation		
0 1	2 3	4 5	6 7	8 9	10

Comment:	

2.2 The student's ability to exploit, manipulate and apply the features of the chosen implementation medium (i.e. language and/or package report or other) as shown in the Supervisory meetings and in the Project Report.

No/minimal	Implementation	Language/	Appropriate use of	Documented use of	Marketable,
implementation	medium not fully	package facilities	all opportunities to	complex features	without
	exploited making	/ opportunities /	make	of the	amendment,
	the implementation	techniques	implementation	implementation	implementation
	insufficient and	exploited to	more effective	medium which	of the highest
	inefficient	suggest a		show	possible standard
		functional		quantitatively and	using a wide
		implementation		qualitatively the	range of
				improvements	approaches
				gained	
0 1	2 3	4 5	6 7	8 9	10

Comment:	 	

2.3 The technical quality of the implementation as shown in the presentation/demonstration and/or in the Project Report.

No implementation or very minimal implementation	Poor technical quality with little use of development skills or knowledge in evidence	Project with some limitations, mostly technically sound	Good use of range of tools experiments, plans, methods and models to give a project with only minor limitations	Wide use of models and processes to ensure a fully operating technically outstanding project/experiments/plans	Technically a fully professional quality project with no limitations
0 1	2 3	4 5	6 7	8 9	10

Comment:	 	 	

2.4	The functional quality of the implementation as shown in the presentation/demonstration and in the Project
	Report

No implementation or very minimal implementation	Deliverables not effective in most parts to specification /objectives	Deliverables essentially effective but with some severe limitations	Deliverables effective with some minor limitations	Deliverables fulfill specification exactly with no limitations or failures of any type	Deliverables are of highest quality throughout completely fulfilling complex specification /objectives
0.1	2 3	4 5	6.7	8.9	10

Comment:	

2.5 The suitability and level of testing used to ensure the final deliverable meets user requirements and specifications/objectives

No or minimal	Level of testing is	The testing	The deliverable	The deliverable	The deliverable
testing carried	very basic and	provides some	has been tested	has been tested to a	has been fully
out.	tests only limited	degree of	well, with user	professional level	tested in all areas
	functionality of the	consideration to	involvement and a	with only minor	of user
	system	the user	clear plan used to	deficiencies.	requirements etc.
		requirements	consider all aspects		There are no
			of the deliverable		deficiencies
					identified in the
					testing process.
0 1	2 3	4 5	6 7	8 9	10

Comment:	

2.6 The extent to which the deliverable has been critically appraised, with discussion of alternative approaches that could have been followed etc. The discussion of future enhancements to the work carried out and what, in hindsight, could have been achieved.

No critical review	An appraisal has	A limited	The critical	The critical	The deliverable
or a very weak	been provided but	appraisal which	appraisal provides	appraisal provides	has been
comment	lacks any depth in	covers most areas	an insight into the	a detailed	reviewed fully
provided.	the highlighted	in some level of	project and	discussion of what	and all aspects
	areas.	detail but lacks	highlights	has been learnt and	have been
		any real	alternative	how the project	considered in a
		discussion.	approaches which	could have been	professional
			could have	performed	manner.
			enhanced the final	differently to	
			deliverable.	enhance the	
				deliverable	
				produced	
0 1	2 3	4 5	6 7	8 9	10

Comment:	 	

Comments and Recommendations (Please supply any relevant comments, particularly if a fail or distinction recommendation is made)

	many relevant comments, particularly it a fair of distinct			-5 mauc)				
Supervisor con	iments							
C IM I								
Second Market	comments							
E41			.e 12 1.1	-)				
Further commo	ents on the agreed recommendation/moderation of over	an grade (п аррисаві	e)				
_	Agreed Recommendation							
Betw	een Supervisor and second marker, calculate the student's	final scaled	l percentage					
Note	that the Supervisor and Second Marker need only complete	e one Asses	sment Form	1				
o calculate the stu	lent's final mark for the project the mark for each section in both	components	needs to be e	entered in the				
	by then multiplied by the weightings. These should be totalled to							
	~	T		Scaled				
	Component 1	Mark	Weight	Mark				
Section 1.1	Managing the project		x1					
Section 1.2	Analysing the problem situation		x1					
Section 1.3	Feasibility of proposed solution to solve problem		x2					
Section 1.4	Quality of solution designed		x2					
Section 1.5	Quality of academic report		x2					
Section 1.6	Quality of technical report		x2					
	Final Scaled Percentage							
	G	3.5	***	Scaled				
	Component 2	Mark	Weight	Mark				
Section 2.1	Suitability of problem solving method		x1					
Section 2.2	Exploitation of implementation medium		x1					
Section 2.3	Technical quality of implementation		x2					
Section 2.4	Functional quality of implementation		x2					
Section 2.5	Testing/Review of the final deliverable		x2					
Section 2.6	Critical appraisal of the final deliverable		x2					
	Final Scaled Percentage							
Final Mark (S)	um of Final scaled percentage for Component 1 plus compo	onent 2)	%					
rmai wai k (3)	in or r mar scared percentage for component r plus compo	ment 2)	/0					
Signature of Supervisor: Date:								
Signature of Second Marker: Date:								
Signature of Mo	oderator (if applicable):	Date:						