

## **Course Work Submission for All Units in Graduate Diploma/Masters Program+Bachelor of Education Program**

The students will have to write 20 pages study report for each of the subjects outlined below.  
The report needs to include

- Book review- Review on each chapter of the book highlighting the key concepts, key points, key theory & practical application concepts in IT.
- Own idea on how to apply those concepts in real practical applications.
- Examples of IT system designs that use the concepts & knowledge expressed in those books (If any)
- Your comment on each book

The book references for the subjects can be downloaded from the following links by entering the given password.

**Password- iqytechnicalcollege**

**Master of Science (Information) Technology**

### **PART (1) Course Work in Graduate Diploma Level**

**ICT501 Programming in Visual C++**

[http://www.filefactory.com/file/2cbdkwyico99/n/1. Programming\\_in\\_Visual\\_C++\\_\(ICT501\).zip](http://www.filefactory.com/file/2cbdkwyico99/n/1. Programming_in_Visual_C++_(ICT501).zip)

**ICT 502 Database Systems**

[http://www.filefactory.com/file/4cbqp0dk6lkd/n/2. Database\\_Systems\(ICT\\_502\).zip](http://www.filefactory.com/file/4cbqp0dk6lkd/n/2. Database_Systems(ICT_502).zip)

**ICT 503 Business System Development**

[http://www.filefactory.com/file/2iq1u5a2p8j/n/3. Business\\_System\\_Development\(ICT\\_503\).zip](http://www.filefactory.com/file/2iq1u5a2p8j/n/3. Business_System_Development(ICT_503).zip)

**ICT 504 Business Data Communications**

[http://www.filefactory.com/file/7k167ouqwdf/n/4. Business\\_Data\\_Communications\\_\(ICT\\_504\).zip](http://www.filefactory.com/file/7k167ouqwdf/n/4. Business_Data_Communications_(ICT_504).zip)

**ICT 505 Applied Computing I**

[http://www.filefactory.com/file/1hy38ryuzys5/n/5. Applied\\_Computing\\_I\\_\(ICT\\_505\).zip](http://www.filefactory.com/file/1hy38ryuzys5/n/5. Applied_Computing_I_(ICT_505).zip)

**ICT 506 Applied Computing II**

[http://www.filefactory.com/file/4w1jov4ls63x/n/6. Applied\\_Computing\\_II\(ICT\\_506\).zip](http://www.filefactory.com/file/4w1jov4ls63x/n/6. Applied_Computing_II(ICT_506).zip)

### **ICT 601 Programming in Java**

[http://www.filefactory.com/file/3xuhrwe6w8nl/n/7. Programming in Java \(ICT 601\).zip](http://www.filefactory.com/file/3xuhrwe6w8nl/n/7. Programming in Java (ICT 601).zip)

### **ICT 602 E-Commerce**

[http://www.filefactory.com/file/dgwcfnfy2j6t/n/8. E-Commerce \(ICT 602\).zip](http://www.filefactory.com/file/dgwcfnfy2j6t/n/8. E-Commerce (ICT 602).zip)

### **ICT 603 Software Engineering**

[http://www.filefactory.com/file/48qbad01jiin/n/9. Software Engineering \(ICT 603\).zip](http://www.filefactory.com/file/48qbad01jiin/n/9. Software Engineering (ICT 603).zip)

### **ICT 604 Multimedia Systems**

[http://www.filefactory.com/file/5l929o1uoeyx/n/10. Multimedia Systems \(ICT 604\).zip](http://www.filefactory.com/file/5l929o1uoeyx/n/10. Multimedia Systems (ICT 604).zip)

## **PART (2) Project/ Thesis at Masters Level**

### **Res 601 Research Methods**

<http://www.filefactory.com/file/6lg3tnznw3ev/Educational%20Research.pdf>

## **PART (2) Project/ Thesis at Masters Level**

### **ICT 605 Research +Thesis**

[http://www.filefactory.com/file/1l1r1k0ftawt/n/11.Research+Thesis \(ICT 605\).zip](http://www.filefactory.com/file/1l1r1k0ftawt/n/11.Research+Thesis (ICT 605).zip)

## **Part (4) Final Thesis**

### **Res 601 Research Method**

### **MAE 602 Thesis**

[http://www.filefactory.com/file/1l1r1k0ftawt/n/11.Research+Thesis \(ICT 605\).zip](http://www.filefactory.com/file/1l1r1k0ftawt/n/11.Research+Thesis (ICT 605).zip)

This course guides the student, step by step, through the research process, from problem selection through writing up results. It provides all of the basics necessary to complete a research project in any discipline.

Outline. The following aspects are reflected in this course:

What is research?

Tools of research

The problem: the heart of the research process

Review of the related literature

Planning your research design

Writing the research proposal

Qualitative research

Historical research

Descriptive research

Experimental and causal - comparative designs

Statistical techniques for analyzing quantitative data

Technical details: style, format, and organization of the research report

#### Masters Research Proposal

Synopsis: Research students are expected to present a written research proposal within three months after commencement. The proposal is handed in to the study leader. Assessors of this proposal are selected by the faculty for their understanding of the field and the research involved. The purpose of a research is to set out a plan for conducting the research and writing the dissertation within the available time. It should take account of the availability and guidance of the study leader. The starting point for a research proposal is the topic, which is the field of interest in which the research is to be carried out. In introducing the topic, the proposal should clarify the field that it falls into and the specific part that field which the research will explore. It should clarify why the topic is of interest and importance, and how the proposed research will contribute to the field of knowledge or profession. The proposal should clarify the research questions, ensuring that these are specific and answerable. It is important to show how these questions relate to the topic are, and how they will advance the student's contribution. The proposal should detail the research to be carried out, and clarify the research methods, the timeframe and the reasons for selecting particular methods. Where a period of literature review or research should precede any empirical research, this should be factored in as part of the research. It is important to estimate any periods of field research and to flag their duration and cost in your research proposal.

#### **MAE 601 Professional Engineering Practice**

MENG6003 Selective I: management subject (45 hrs) 3 credits

MENG6004 Selective II: management subject (45 hrs) 3 credits

#### **Res 601 Research Method**

MENG6005 Quantitative Methods and Statistics (45 hrs) 3 credits

#### **MAE 602 Thesis**

Information Technology Project/Thesis 24 credits

Candidates need to complete a 60000-words Information Technology dissertation (in Myanmar or English) and a 3000-words executive portfolio (in English).

This program requires the candidates to complete a dissertation as part of the assessment for the M App Sc (IT) degree. Doing a thesis means that instead of knowledge and information being presented and following a prescribed route for answering questions, candidates are thrust into an active role of managing an investigation into a topic area. This means researching and discovering things for

themselves. They will have to set their own targets and parameters, pose their own central research questions and decide on the appropriate sources of information to support the research. It therefore requires the use of the higher-level cognitive skills of analysis, synthesis and evaluation. Candidates may choose an area of particular interest to them within the scope of course title. A dissertation is an individual effort and the candidate, academic tutor and the course professor will work together on constructing an approved topic (research question) and methodologies.

Information Technology Dissertation Defense 9 credits

It is expected of Master's candidates to defend their thesis by means of a colloquium doctum (academic discussion). The purpose of the meeting is for the candidates to convince a panel of experts in the field of the dissertation how well they have done in the conducting of their research study and the preparation of their dissertation

Program Total Credits 48 credits

Candidates need to complete all course assessments with the results of Grade B+ or above.