Diploma in Doctorate Studies (DDS)

IQY Diploma in Doctorate Studies is an academic award consisting of Research Studies and Writing Thesis Dissertation at 360 Credit points in which 240 Credit points are allocated for Masters Degree level academic qualifications and / or comparable professional experiences.

The candidates who have completed MAE 601 Research Method (30 Points)

and their thesis proposal are accepted will be awarded IQY Master Diploma in Research Studies (270 Credit Points).

The candidates who have completed MAE602 Thesis (30 Points) but have not submitted it to St Clements University will be awarded IQY Diploma in Doctorate Studies (300 Credit Points)

Only St Clements University will confer the Doctoral Degree while IQY Technical College will provide the facilitation and successful candidates will be issued with BAE801 Thesis Dissertation Assessment and Defence (60 Points) when the success is notified by St Clements University.

In the case of failure to meet the quality of dissertation, St Clements University's Diploma in Doctorate Studies or other relevant award can be issued and Doctorate degree award fees will not be charged.

IQY Technical College will issue Letter of Congratulation for having been successful in PhD.

PHASE (1) Preliminary Course

http://www.highlightcomputer.com/masterdiplomaresources.htm

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 formula, key theory & practical application concepts

Own idea on how to apply those concepts in real practical applications.

Examples of engineering designs that use the concepts & knowledge expressed in those books (If any)

Your comment on each book

Doctoral Research Studies

IQY Master Diploma in Research Studies

http://www.highlightcomputer.com/iQYDDS.pdf

Dissertation for Doctorate

MAE 601 Research Method (30 Points)

MAE602 Thesis (30 Points)

http://www.filefactory.com/file/1l1r1k0ftawt/n/11.Research+Thesis_(ICT_605).zip

http://www.iqytechnicalcollege.com/11.Research+Thesis (ICT 605).zip

BAE801 Thesis Dissertation Assessment and Defence (60 Points)

MAE601 Research Method

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

Lecture Video

https://youtu.be/fGcpxlEUndo

Lecture Slides

Introduction to Research

http://www.filefactory.com/file/3e1ch8ep4j6n/McM_Ch1.ppt

www.iqytechnicalcollege.com/McM_Ch1.ppt

Meaning of Research & Research Proposal

http://www.filefactory.com/file/6jitg79g21h1/EDUC8631_Slides-Day_1-Sessions_1_2_3_and_4.ppt

www.iqytechnicalcollege.com/EDUC8631_Slides-Day_1-Sessions_1_2_3_and_4.ppt

Research Preparation & planning

http://www.filefactory.com/file/4tfsa56ilflt/Chapter7.ppt

www.iqytechnicalcollege.com/Chapter7.ppt

Research Practice

http://www.filefactory.com/file/48e7ed04z7uz/STEM_PedR_jane.ppt

www.iqytechnicalcollege.com/STEM_PedR_jane.ppt

Textbook

Higher Education: Handbook of Theory and Research

Published under the Sponsorship of the Association for Institutional Research (AIR) and the Association for the Study of Higher Education (ASHE)

http://www.filefactory.com/file/1l1r1k0ftawt/n/11.Research+Thesis_(ICT_605).zip

http://www.iqytechnicalcollege.com/11.Research+Thesis (ICT 605).zip

ACTION RESEARCH

The title should be brief and accurately describe the nature of the project.

Context of the study

Discuss the background to the central problem. Explain why the problem is significant to your teaching or professional activities and educational research.

Selection of instrument

Briefly describe the development of the questionnaire and your reasons for its selection.

Data sources

Describe the target population (i.e., the class or other group).

Role of participants

Describe your role in the action research and any other persons involved the study (e.g., other teachers, principal, students).

Data collection

Describe and explain the types of data you collected, and how they were obtained and recorded.

Data analysis & interpretation

Present your results and explain the methods you used to analyse and interpret the data. Use tabular and graphical forms to enhance your presentation.

Significance

Explain your results and reflect on what they mean. Discuss the importance of both the results and the process.

ED 404 Educational Research / Engineering and Technology Research/ Business Management Resrarch

Objective-

This unit describes the performance outcomes, skills and knowledge required to undertake research into educational/ engineering/ technological/ management

theory and apply this research to improve current training and assessment practice.

This unit typically applies to those who need to develop skills in research in order to apply educational theory to improve current and future training and assessment practice

Outcomes

- Prepare research brief relating to training and assessment practice / educational/ engineering/ technological/ management theory

- Conduct research in training and assessment practice / educational/ engineering/ technological/ management

- Investigate and apply educational theory/ educational/ engineering/ technological/ management theory to the research

- Report on application of educational theory/ educational/ engineering/ technological/ management theory to practice

- Review entire process

Contents

Qualitative Research and Public Policy

- Multilevel Analysis in Higher Education Research: A Multidisciplinary Approach .

- ConductingMulti-paradigm Inquiry in the Study of Higher Education Organization and Governance: Transforming

- Research Perspectives on Colleges and Universities

- Examining Pathways to and Through the Community College for Youth and Adults

- Review of the Theories Developed to Describe the Process of College Persistence and Attainment

==Assignment 1==

Locate the name of books, power point slides in which you have learnt the followings. If you can not find them in given resources, you need to do online research and express the URL

Topics	Name of Book Name of Powerpoint Slides	Page Number Slide Number	URL
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			
Context of the study			
Selection of instrument			
Data sources			
Role of participants			
Data collection			
Data analysis & interpretation			
Significance			

Doctoral 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 filed of knowledge or profession.

It needs to write the research questions and outline the way to demonstrate to answer those research questions.

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.

Assignment 2

Prepare & submit one proposal for research paper.

The candidates will also required to do the followings

- Writing Articles related to the field of study OR

- Doing the seminar presentations OR

- Presenting the lectures

They need to attend the conventions, seminars , presentations and workshops

The candidates who have completed MAE 601 Research Method (30 Points)

PHASE (4) Thesis Data Collection and Literature Review

After completion of Phase (3) , Candidature for Doctoral Study will be admitted.

Then the candidates will need to

(1) Review the references to be used in thesis regarding their relevancy and location to refer and use in thesis

(2) Collect the quantitative and qualitative data for thesis

PHASE (5) Thesis Writing

MAE 602 Thesis

Thesis Dissertation for Doctorate

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

This program requires the candidates to complete a thesis as part of the assessment for the Doctorate

Doing a thesis / dissertation 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.

The candidates who have completed MAE602 Thesis (30 Points) but have not submitted it to St Clements University will be awarded IQY Diploma in Doctorate Studies (300 Credit Points)

PHASE (6) Thesis Defence

BAE801 Thesis Dissertation Assessment and Defence (60 Points)

Doctoral dissertation

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.

Dissertation Defence for doctorate

It is expected of Doctoral candidates to defend their thesis by means of a colloquium (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

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

SAMPLE OF ASSESSMENT

STC Technological University
PhD degree candidate assessment record

Name of Candidate	
Degree	
Enrolment date	

PART (1) Documentation Assessment (Masters Degree Level + Phase 1 Study

Purpose	Description	Evidences	Remark
Knowledge	Graduates of a Masters Degree (Extended) will have: • a body of knowledge that includes the extended understanding of recent developments in a discipline and its professional practice • knowledge of research principles and methods applicable to the discipline and its professional practice		
Skills	Graduates of a Masters Degree (Extended) will have: • cognitive skills to demonstrate mastery of theoretical knowledge and to reflect critically on theory and professional practice • cognitive, technical and creative skills to		

	investigate, analyse and synthesise complex information, problems, concepts and theories and to apply established theories to different bodies of knowledge or practice • cognitive, technical and creative skills to generate and evaluate complex ideas and concepts at an abstract level • communication and technical research skills to justify and interpret theoretical propositions, methodologies, conclusions and professional decisions to specialist and non-specialist audiences • technical and communication skills to design, evaluate, implement, analyse and theorise about developments that contribute to professional practice		
Application of knowledge and skills	Phase (2) Research Study Assessment Graduates of a Masters Degree (Extended) will demonstrate the application of knowledge and skills:		

Overall comments for Part 1-Documentation Assessment
PART (2) Publication Assessment

Phase (3) Research Proposal and Article Contributions Demonstrate the ability to carry out research	SAMPLE International Conferences, A number of Archaeological Excavations, Structural and Chemical Conservations, Dissertation for PGDA Course, Archaeological Research Papers, many Workshops regarding Archaeological subjects sponsored by Department of Archaeology and

	UNESCO have been successfully undertaken.
 Organize results	SAMPLE A great research paper from the Journal of Burma Studies, USA (2014), a Literary Award from the Tun Foundation (2013) and the ten archaeological articles have been published. The fourteen archaeological reports have been submitted and the eight research papers have been read in Myanmar and in the International Conference.
Literature Review An exhaustive review of work	SAMPLE Excavation at Wadee is one of the exhaustive research works as an archaeologist in his endeavour. He found very important religious buildings and valuable objects in this site.
Defend the approach	Discovering the earliest religious buildings in Myanmar related between Samon and Pyu Culture, Finding a number of the encased monuments in Myanmar and evidences of Hindu workship in Pyu and Bagan period were mentioned in his research papers.

PHASE (5) Thesis Assessment

Criteria	Required Evidence	Remark
Part 1-Features of Thesis		
The Doctoral Degree qualifies individuals who apply a substantial body of knowledge to research, investigate and develop new knowledge, in one or more fields of investigation, scholarship or professional practice	Thesis include • Investigation • New knowledge • Scholarly style writing	

	• Relation to Professional Practice	
Part 2- Research Questions		
Graduates at this level will have systemic and critical understanding of a substantial and complex body of knowledge at the frontier of a discipline or area of professional practice	Ability to write the research questions and demonstrate to achieve the solution for the research questions.	
Part 3-Solution Model	•	
• expert skills to design, implement, analyse, theorise and communicate research that makes a significant and original contribution to knowledge and/or professional practice	• Design the solution model • Data analysis • Reference of theories • Knowledge contribution	
Part 4-Data Collection and Literature Evidence related to solution		
Graduates at this level will have systematic and critical understanding of a complex field of learning and specialised research skills for the advancement of learning and/or for professional practice	Demonstrate the understanding of the subject Demonstrate the ability to do the research (Qualitative data / Quantitative Data/relevant Literature/ Appropriate utilisation	

Part 5- Thesis Writing -Overall Features		
Graduates of a Doctoral Degree will have: • a substantial body of knowledge at the frontier of a field of work or learning, including knowledge that constitutes an original contribution • substantial knowledge of research principles and methods applicable to the field of work or learning	Thesis writer demonstrates • Evidence of substantial knowledge • Research knowledge • Research Principles • Application to field of work • Application to learning	
Part 5- Thesis Writing -Plan for writing		
• communication skills to explain and critique theoretical propositions, methodologies and conclusions • communication skills to present cogently a complex investigation of originality or original research for external examination against international standards and to communicate results to peers and the community	Write the idea by • Step by step explanation • Use the methodologies • Apply investigation • Refer the relevant standards and references • Communicate the results to peers and community	

Part 5A- Thesis Writing -Facts to Practice		
• develop, adapt and implement research methodologies to extend and redefine existing knowledge or professional practice	Write how those facts are related to practical practice , how to improve the current practice, how to develop the skills and knowledge.	
• disseminate and promote new insights to peers and the community	How those methods/ practice are useful to industry and community	
Part 5B- Thesis Writing -Application of References		
Graduates at this level will have expert, specialised cognitive, technical and research skills in a discipline area to independently and systematically:	Systematic and scholarly writing in the thesis by quoting the relevant references and how those facts contribute to achieve the answer for the research questions	
Part 5C- Thesis Writing -Style of Writing		
• engage in critical reflection, synthesis and evaluation	Relating the relevant theory to answer the steps of the solutions , construct the solution model and evaluate the each outcomes in the steps	
• cognitive skills to demonstrate expert understanding of theoretical knowledge and to reflect critically on that theory and practice	Prove that how theory is related to practice	

• cognitive skills and use of intellectual independence to think critically, evaluate existing knowledge and ideas, undertake systematic investigation and reflect on theory and practice to generate original knowledge	Usage of intellectual skills Evidence of critical thinking Evaluation of existing knowledge Reflection on theory & practice Systematic Investigation	
• expert technical and creative skills applicable to the field of work or learning	Demonstrate the expert knowledge and creation	
Part 5D- Thesis Writing -Finding and Conclusion/ Judgement		
• generate original knowledge and understanding to make a substantial contribution to a discipline or area of professional practice	How you can use your knowledge and findings in professional practice.	
Graduates at this level will apply knowledge and skills to demonstrate autonomy, authoritative judgement, adaptability and responsibility as an expert and leading practitioner or scholar	Evidence of judgement in thesis Evidence of responsibility in data and facts	

OVERALL ASSESSMENT	
Conclusions in a scholarly manner according to disciplinary norms Graduates at this level will have systematic and critical understanding of a complex field of learning and specialised research skills for the advancement of learning and/or for professional practice	SAMPLE According to disciplinary norms, his research works and published works are very scholarly perfect and highly qualified. His published papers are very informative and contain in deeply thoughts.
Graduates at this level will have systematic and critical understanding of a complex field of learning and specialised research skills for the advancement of learning and/or for professional practice	

Practice

Read the following literatures and indicate which part of writing and components are relevant to the above criteria.

www.iqytechnicalcollege.com/Dr Kyaw Naing EdD Thesis.pdf

Research Data Analysis Tools

www.iqytechnicalcollege.com/Appendix 2.pdf

www.iqytechnicalcollege.com/Appendix 3.zip

Sample Paper

http://www.iqytechnicalcollege.com/Effectiveness of ICT Teaching in Niue.pdf

Literature Review Sample

www.iqytechnicalcollege.com/Literature Review Sample.pdf

Sample Textbook

http://www.iqytechnicalcollege.com/ElecricalDistribution.pdf

Overall comments for Part 2-Publication Assessment (SAMPLE)

The article of Archaeological Researches on the Excavated Finds at the Ancient City of Wadee with 53 pages, which is the longest articles in the Journal of Burma Studies Volume 18 Number 2, 2014, Northern Illinois University, Center for Burma Studies, USA had been published by NUS Press National University of Singapore. The book named "The Earliest Religious Buildings discovered at the Ancient of Wadee was awarded as Literary Prize from the Tun Foundation in 2013. It will be published by the Tun Foundation Bank Committee in 2016. Both of them are very important cultural sequence in the Southeast Asian Characteristics. Before 2008, the Ancient City of Wadee was an unexcavated site in Myanmar.

The excavated finds unearthed at the Ancient City of Wadee can be compared with the objects found at the Samon Valley Culture (700 BC – 400 AD). These finds suggested that Wadee is related to Samon Valley Culture. The earliest religious buildings with a huge burial urn were uncovered in this site. It was found that there was the ancestor worship together with a number of the earthen oil lamps at Wadee.

The archaeological articles such as Excavations at the Ancient City of Tagaung (In Myanmar), The Changing of Old Ayeyarwaddy River Channel on the east of Tagaung recommended by the Technology of G.I.S (In Myanmar), Iconography of Buddha Images in Bagan Period (In Myanmar), Pyu Artifacts found in Sanphe Village, Pauk Township (In Myanmar) had been published by the Ministry of Culture, Yangon. It was known that these articles are very useful and applicable for art and archaeology, art and iconography, architecture in Myanmar.

In the Cultural Bulletin, he has scholarly written many articles such as Myanmar Ancient Coins (in Myanmar), Tagaung Ancient City and History of the Changing of Old Ayeyarwaddy River Channel (In Myanmar), Ancient Mural Paintings in Myanmar (In Myanmar), Myanmar Ancient Coins (In Myanmar), Conservations and Preservations of Ancient Wooden Monasteries (In Myanmar), Conservations and Preservations of Ancient Brick Monasteries (In Myanmar), which had been published by the Ministry of Culture. These articles are very relevant and appropriate to study for Archaeological Excavations, the changing of the Ayeyarwaddy River Channel which is the longest

rivers in Myanmar, Art History, Numismatology and Conservation and Preservation in Myanmar Archaeology. He has submitted a number of the archaeological projects to the Department of Archaeology and National Museum. It was found that these projects will be published in the future from DOA. It was mentioned that they are very informative and knowledgeable for all national and international research scholars. The eight research papers had been read in Myanmar as well as in the International Conference. It was known that some of them will be published at the respective countries.

References

www.iqytechnicalcollege.com/how-to-write-an-essay.pdf

www.iqytechnicalcollege.com/how-to-write-a-research-paper.pdf