MCAST
Malta College of Arts, Science & Technology

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ASSESSMENT AND INTERNAL VERIFICATION FRONT SHEET (Individual Criteria)

(Note : This version is to be used for an assignment brief issued to students via Classter)

Course Title			Lecturer Name & Surname	
Unit Number & Title	ITPRJ-506-1605 - Project			
Assignment Number, Title / Type	Synoptic Assignment			
Date Set	08/06/2020	Deadline Date	03/07/2020	
Student Name		ID Number		Class / Group

Assessment Criteria	Maximum Mark
KU1.2: Identify and construct a hypothesis	15
KU1.3: Identify project methodologies	14
KU2.3: Prepare and implement a prototype/proof of concept	15
AA1.6: Initiate and maintain a systematic and comprehensive project logbook	7
AA2.2: Prepare and implement agreed data analysis techniques	10
AA3.2 Investigate the extent to which results confirm original hypothesis	7
AA3.3 Investigate areas in which results suggest the original hypothesis needs modification	7
SE:3.1: Evaluate project outcomes with reference to project specification, agreed procedures and solution plan	10
SE4.2: Create a comprehensive project report using a formal style of authorship	15
Total Mark	100

Notes to Students:

- This assignment brief has been approved and released by the Internal Verifier through Classter.

- Assessment marks and feedback by the lecturer will be available online via Classter (Http://mcast.classter.com) following release by the Internal Verifier

- Students submitting their assignment on Moodle/Unicheck will be requested to confirm online the following statements:

   Student's declaration prior to handing-in of assignment
   ❖ I certify that the work submitted for this assignment is my own and that I have read and understood the respective Plagiarism Policy

   Student's declaration on assessment special arrangements
   ❖ I certify that adequate support was given to me during the assignment through the Institute and/or the Inclusive Education Unit.
   ❖ I declare that I refused the special support offered by the Institute.

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Institute of Information and Communication Technology

ITPRJ-506-1605

Project

Synoptic Assignment Brief

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1. Deliverables

1.1 Project Documentation

Documentation will be in the form of an IEEE-styled paper (3-5 pages excluding references). You should include at least 2 academic references and be concise in your writing.

The following sections need to be included in your paper:

1. Title (including full name, college details and personal college email address)
2. Abstract (approx. 100 words brief on your research)
3. Keywords (around 4 terms related to the research and techniques used)
4. Introduction (hypothesis, research question, aims, objectives, motivation and relevance of research)
5. Literature review / current research / alternatives
6. Research Methodology (the adopted approach)
7. Evaluation (Data gathered, interpretation and reflection)
8. Conclusion (assessment on project outcome and recommendations for future work)

1.2 Prototype

At the end of your project, you should have a working prototype/proof-of-concept for which you must present the following:

1. Clear usage instruction
2. A link to a 2-5 minutes YouTube (or equivalent) video demonstrating its use
3. Any accompanying source code/configuration files

1.3 Logbook

You are required to maintain a logbook of your progress. This shall take the form of the official dissertation logbook and a GIT repository that will be shared with your project lecturer. Further guidance on the use of GIT was provided during the lectures.

Ensure that you commit your work throughout the project (at least once every month) since the commit history will be your actual log of work. The repository should contain the following folder structure:

- **lit** – All literature used.
- **src** – Source code/configuration files of our prototype. Please do not include virtual machines or large datasets.
- **doc** – Paper document, Initial Proposal, Logbook and Poster.

Please note that you are free to use any structure of your choice within the above-mentioned folders, yet the above structure should be unchanged in your root folder.

2. Allocation of Marks

HYPOTHESIS AND RESEARCH QUESTION (KU1.2)	
Document hypothesis / research question/s	15
LOGBOOK (AA1.6)	
Setup a GIT repository, commit and push your work regularly.	2
Keep a log of your mentor meetings in the dissertation logbook.	3
Share your repository with your lecturer and mentor	2
PROJECT METHODOLOGIES (KU1.3)	
Identify a project methodology and apply it to your project	10
Describe and justify your methodology in your research paper	4
PROOF OF CONCEPT (KU2.3)	
Implement a prototype as a proof of concept of this research and document accordingly in the research methodology	15
DATA ANALYSIS (AA 2.2)	
Analyse the effectiveness and completeness of the prototype	10
PROJECT EVALUATION (SE3.1)	
Assess your project	10
FUTURE RESEARCH (AA3.3)	
Propose realistic extensions of this research	7
VIDEO (AA3.2)	
Prepare a video illustrating your project	7
ACADEMIC REPORT (SE4.2)	
Use of proper academic writing style	5
Adherence to IEEE paper template	5
Proper and consistent use of referencing	5