

MSc Research Methods, August 2020

Final Assignment

Research / Project Proposal (60%)

You are required to submit a project proposal for your Research Project. This research proposal should not be less than 1400 words and must include:

- Name of the project : Smart Health Prediction Using Data Mining
- The proposal abstract
- What is your project proposal (idea, aims and goals)
- Why you want to do this research / develop this project (motivations)
- Background study and literature review (similar / relevant work done by others, similar / relevant ideas presented by others)
- What added / original value your project introduces
- An evidence of one survey and one brainstorming session to evaluate your idea. Please include the survey in the appendix. For brainstorming session, you need to describe the process that how it was conducted, the topics that were discussed, the issues that were raised. What themes came out of this brainstorming session (theme analysis).
- How would you do this research / develop this project (tools and technologies for product development, tools and techniques for fact finding, data gathering and data analysis etc, breakdown of activities, schedule in the form of GANT chart)
- Are there any ethical considerations to be made here
- Business plan
- Conclusions and possible future directions
- Bibliography (referencing and citations of all reviewed literature and other sources of information)
- Include the "Check List".

[70 marks]

You are also required to submit:

- Template for project / thesis documentation containing an automatic table of contents, chapter names, possible sections in chapters and a sample bibliography. This template should be complete enough that when you start preparing your documentation, you just start creating and writing sections in this template.

[10 marks]

- A video or slides voiceover audio presentation not less than 10 minutes about your project. In your presentation, you are required to highlight:
 - What (the idea, aims & goals, functionalities)
 - Why (motivations)
 - What others are doing (literature review, similar studies & projects)
 - Is your idea / approach different
 - How you intend to execute the project (tools & technologies)
 - We encourage you to post this online and give us the link.
 - You might be asked to submit it to Moodle; prepare it accordingly.

[20 marks]

[Total 100 Marks]

Please submit printed copy of your project proposal and a soft copy of the above three on a CD.

Please note you are going to prepare this proposal for Research Methods module. You are not committing yourself to anything yet. You may decide to use this idea for your final project or you may change your mind and develop a different project proposal for your final project.

Check List

Elements of the Assignment Work

Element & Activity	Check
Clearly articulated project idea Project idea aims & objectives. What it is; who is this for (users); what additional benefits & functionality it will provide.	
Literature Review Must include citations and bibliography.	
Review of the idea in the light of literature review.	
Quantitative Research Identify all stakeholders Description of the information do you intend to capture. Undertaking quantitative research by <u>developing</u> , <u>conducting surveys</u> and then <u>reviewing</u> the findings.	
Review of the idea in the light of quantitative research.	
Qualitative Research Plan, develop and conduct brainstorming sessions with stakeholders Perform theme analysis and present findings; discuss these findings.	
Review of the idea in the light of qualitative research.	
Final Version of the Proposed Project Idea	
Are there any ethical considerations?	
How will you do this project? How will you Develop it? Work breakdown structure, timeline, GANT Chart	
Business Plan Costing and Resource Estimation Initial Investment Return of Investment	