

## PG1 - FULL RESEARCH PROPOSAL

This form is to be completed by both the student and supervisory team within **THREE** months for full-time students and **SIX** months for part time students, after the commencement of the research degree or Part Two. Return the completed form to the **Academic Office** [pgresearch@uwtsd.ac.uk](mailto:pgresearch@uwtsd.ac.uk).

### Student Details

|                                          |                          |                                    |                                                     |                                               |                          |
|------------------------------------------|--------------------------|------------------------------------|-----------------------------------------------------|-----------------------------------------------|--------------------------|
| Student Family / Surname:                |                          | Esombe                             |                                                     |                                               |                          |
| Student Given / First name:              |                          | Mamy Verona Shembo                 |                                                     |                                               |                          |
| Student Number                           |                          | 2115629                            |                                                     |                                               |                          |
| UWTSD Institute                          |                          | Institute of Management and Health |                                                     |                                               |                          |
| UWTSD Partner Institute (if appropriate) |                          |                                    |                                                     |                                               |                          |
| Start Date                               | October 2021             |                                    |                                                     |                                               |                          |
| Mode of Study                            |                          | Part time <input type="checkbox"/> |                                                     | Full time <input checked="" type="checkbox"/> |                          |
| PhD by Research                          | PhD Practice Based       | PhD by Published Works             | Professional Doctorate (including DBA, DProf, Ed D) | MPhil by Research                             | MPhil Practice Based     |
| <input type="checkbox"/>                 | <input type="checkbox"/> | <input type="checkbox"/>           | <input checked="" type="checkbox"/>                 | <input type="checkbox"/>                      | <input type="checkbox"/> |
| MA by Research                           | MSc by Research          | MRes                               |                                                     |                                               |                          |
| <input type="checkbox"/>                 | <input type="checkbox"/> | <input type="checkbox"/>           |                                                     |                                               |                          |

### Proposed Research

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Current Proposed Title (20 / 30 words):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| An evaluation of the electronic health readiness of healthcare professionals in the Democratic Republic of Congo (DRC) for the planned Digital Health Investment Roadmap.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Background & Context (approx. 500 words)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>According to The Humanitarian Agenda (2015), the DRC has a severe deficit of public health infrastructure (FIC, 2015). This shortage is primarily due to a lack of health technologies. Historically, the Democratic Republic of Congo was also known as Zaire is a country that may be minerally wealthy and full of resources like diamonds, gold and zinc, particularly in the eastern of the country where battles are ongoing. Conflicts with armed groups from Rwanda and Uganda have plagued the nation for more than 20 years (ICF, 2015). This nation requires more healthcare technology and equipment than before, as well as improved healthcare policies. There should be a set of policies in place for healthcare technology, which power brokers should base their policies on reality when establishing them (Buse et al., 2005). Explain why the research is significant and important.</li> </ul> |

- This research will contribute to knowledge in all different mentioned fields of computer science, innovation management and healthcare service provision as well as academically; this research and its validated tool could be of great interest to many companies around the world specialising in information systems solutions where they could invest their money, knowledge and expertise into an unknown region of central African countries such as Congo. Therefore, the study can contribute directly to any future planning towards ehealth business. In addition, this project will provide to healthcare policy makers an important insight on how to facilitate the adoption of ehealth solutions as well as helping them to understand which healthcare organisational factors make the greatest contribution towards successful implementation.

#### Aims and Objectives (approx.. 250 – 500 words)

The purpose of this study is to assess (describe, compare, explain) the readiness of nurses' adaptability to the future implementation of an e-Health system using a survey as a method of inquiry. The study will focus on nursing industry since the majority of employees in the health care industry are nurses.

At this stage, the E-Health is described by writers as the application of information processing involving both computer hardware and software that deals with the storage, retrieval, sharing, and use of healthcare information, data, and knowledge for communication and decision-making" (Elizabeth, 2019). With the support of this research, investors will be able to determine a path for standardising the DRC's different digital platforms, training thousands of healthcare professionals, and computerising tens several health centres..

The purpose of this study is to assess hospital staff members' (particularly nurses') intentions to adopt a potential e-health system in the DRC. The study will evaluate the level of preparedness of medical staff in Kinshasa, the DRC's capital, for the eventual installation of the eHealth system. The study's objectives are to:

- assess the country's readiness for the eHealth system.
- identify the factors that influence intentions to use the system and accurately predict any cultural differences.
- contribute to new knowledge on the DRC's acceptance of technology in healthcare contexts.
- and propose concrete steps for a quicker and more efficient implementation of the eHealth system in Kinshasa for the management of healthcare and government operations..

#### Proposed plan of work including timetable

##### *Proposed plan of work*

My project timetable establishes the structure for the project, guiding when you enter each phase, creating a timetable allows determining if the project is on track to meet the designated delivery date.

The project will include different tasks including:

- Introduction of the research project : November 2022 - Mars 2023
- Aims and Objectives: Mars 2023 – June 2023
- Review of literature: June 2023 - November 2023
- Methods & research ethics Approval: November 2023 – Janvier 2024
- Pilot study: January 2024 – June 2024
- Analysis: June 2024 – September 2024
- Thesis defense: September 2024 to end

I will use Gantt charts to show the start and finish dates of tasks. Timelines will be used to present multiple tasks, events and milestones.

Moreover, I need to keep in touch with my supervisor for the follow up of the project and use OneDrive, the cloud or Google drive to save the research in case of laptop back up. Articles and reviews will be found in UWTSD search and other sources of references; I will also better manage my time and

| Planned Development (e.g. submission of form, completion of chapter, submission of thesis) | Target Date |
|--------------------------------------------------------------------------------------------|-------------|
|                                                                                            |             |
|                                                                                            |             |
|                                                                                            |             |
|                                                                                            |             |
|                                                                                            |             |
|                                                                                            |             |

#### Proposed methodology (approx. 500 words):

This project will use mixed methods which are the combinaison of the qualitative and the quantitative methods, (Creswell and Clark, 2007). This perspective is also referred to integrated methods (Tashakkori and Creswell (2007, p. 208), which will consist of involving two phases: the first part will use the opportunity to interview leader of organisation ; The research will look at various stances to collect information like Gray, (2014) states in his research that qualitative methods can include analysis of document, more involvement in interviews, case studies or locating groups to focus on. Research conducted by May (2002) finds that unstructured interviews are the most important method if you want to get more in-depth sensation about a phenomenon May (2002).

The second part of the project will focus on the quantitative approach, which according to Watson (2015) emphasises on the importance of measurement to test the hypothesis. The research will focus on the framework (TAM) which will evaluate and test the dependent variables and independent variables.

#### Introductory bibliography:

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[http://www.who.int/tb/publications/global\\_report/2008/en/index.html](http://www.who.int/tb/publications/global_report/2008/en/index.html).

Facilities and resources available for the investigation: please indicate if you expect to need any special resources

In this section you should indicate:

I have vast access of information resources available in both printed and online. Internet sites from the UWTSD provide more information resources.

I will use the opportunity to access the library facilities to spend more time inside and outside.

There is also a travel distance issue because I need to have access to a particular community of nurses in DR Congo; so I will need to travel to Congo for this research project, for 3 months and the project will be funded by my family. I have a plan for interview schedules after getting ethical approval or interview guides, but to conduct a fieldwork; for that to be successful, I need to get letters from companies and directors to organise interviews.

## Intellectual Property IP

It is anticipated that Intellectual Property (IP) will be produced as a result of this research.

Tick ✓

|                                                                                                                                                      | YES                               | NO                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------------------|
| Is the IP already subject to a separate agreement with a third party (e.g. employer, sponsor or external funder)? If so please provide details below | <input type="checkbox"/>          | <input checked="" type="checkbox"/>                  |
| Is the research dependent upon background IP owned by:<br>If so, please provide details below                                                        | UWTSD<br><input type="checkbox"/> | A third party<br><input checked="" type="checkbox"/> |
| <i>Text box will expand</i>                                                                                                                          |                                   |                                                      |
| I will always seek for correct protocol and permission before using any IP or brand                                                                  |                                   |                                                      |

Tick ✓

| I understand that:                                                                                                                                                                                              | YES                                 | NO                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------|
| If any party other than the student is likely to be involved in the development of IP a separate IP agreement will be needed and it may be necessary for the student to assign the IP rights to the University. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| If there are no third parties involved in the creation of the IP the student is deemed to own the IP, however should the student wish to commercially exploit their IP and require the assistance of the        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |



University to do so, they will be required to assign their IP to the University. <https://www.uwtsd.ac.uk/iced/protecting-innovation-and-creativity---intellectual-property/>

### Student Signature

|                          |                           |                     |
|--------------------------|---------------------------|---------------------|
| Signature or Print Name: | Mamy Verona Shembo Esombe | Date:<br>28/09/2022 |
|--------------------------|---------------------------|---------------------|

## Supervisory Team

Has the student proposed a viable research project that is appropriate for this programme that should be supported by the Institute?

**Supported:** ☐

**Not Supported:** ☐

## Authorisation

|                                       |                          |       |
|---------------------------------------|--------------------------|-------|
| Director of Studies                   | Signature or Print Name: | Date: |
| Institute Manager of Research Degrees | Signature or Print Name: | Date: |