Research Proposal Form

Student name

Centre name

Tutor

Unit

Hsu Shwe Sin Oo

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Info Myanmar University

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Daw Nem Khan Dim/ Daw Thida Lwin

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Student number

Date

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15/10/2020

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Automatic Plant Watering System with Message Alert

Proposed title ..................................................................................................................................................................................

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| **Section One: Title, objective, responsibilities** |
| **Title:** Role of IoT Technology in Agriculture  **Aim:** To improve agricultural field with fewer resources and labour efforts using efficient IoT technologies  **Objectives:**   * To characterize the existing IoT agriculture applications * To characterize the existing IoT agriculture sensors, devices * To identify IoT solutions for agriculture field * To identify future scope related with IoT in agriculture field |
| **Section Two: Reasons for choosing this research project** |
| As IoT devices are useful in Security Limitation, Smart Home/ Building, Network Connection, etc., they are widely used and are still innovated. Nowadays, in agricultural country, IoT technologies enables farmers to enable efficient utilization of resources such as water, electricity and they can also enhance productivity. So, this research is proposed to research about the role of IoT technology in agriculture field. |
| **Section Three: Literature sources searched** |
| I have searched some literatures and websites to reference and these all are related with my project: Role of IoT Technology in Agriculture. Among them, one research paper is as the following.  **Article Title:**  **Website:** <https://www.phytojournal.com/archives/2019/vol8issue1S/PartK/Sp-8-1-125-548.pdf>  **Author Name:** Veerpal Kaur and Ramandeep Kaur  In this paper, the researchers asserted how IoT works in different domains in agriculture field, including Water management, Crop Management, Soil Management, Smart Greenhouses, Livestock Monitoring, and Agriculture Drones. Moreover, they evaluated advantages and disadvantages of using this techniques in the field of agriculture. |
| **Section Four: Activities and timescales** |
| Milestone one   * To search and read about IoT * To choose specific project title under IoT * To write literature review and proposal   Milestone Two   * To analyse the existing IoT applications in agriculture * To make survey questions and ask people * To analyse the survey data |
| **Section Five: Research approach and methodologies** |
| Research methodologies: Quantitative Research Method will be applied in this project because it will include closed questions while doing surveys to the users. It will include a lot of questions to people since there is no device to test. For this reason, quantitative research method will be more suitable for this research. |
| **Comments and agreement from tutor** |
| Comments (optional):  I confirm that the project is not work which has been or will be submitted for another qualification and is appropriate.  Agreed  (Name) ......Dr. Nem Khan Dim... (Date) 19. 10. 2020 |
| **Comments and agreement from project proposal checker (if applicable)** |
| Comments (optional):  I confirm that the project is appropriate.  Agreed: .................................................................................... (Name) .................................................................................... (Date)...................................................... |



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16 HNC/D in Computing 2017