

Research Proposal Form

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Unit 13: Computing research project

Propose title: IOT and Application in Agriculture in Viet Nam

Section One: Title, objective, responsibilities

Research question:

- What is IOT ?
- What is advantages and disadvantages of IOT ?
- How Agriculture in Viet Nam working?
- What kind of IOT devices is compatible in Viet Nam ?
- How to apply IOT in Agriculture in Viet Nam?
- Why apply IOT in Agriculture in Viet Nam can help ?
- What is the difficulties when apply IOT in Agriculture in Viet Nam ?

Objectives

- Learn about IOT includes advantages and disadvantages
- Learn about agriculture in Viet Nam includes advantages and disadvantages
- Learn how to apply IOT in Viet Nam Agriculture and make it better.
- Learn How IOT effect to crops in Viet Nam
- Conclude IOT can be applied well in Viet Nam agriculture or not

Section Two: Reasons for choosing this research project

Reasons for choosing the project

- Nowadays, IoT are very useful for everyone and i am interested in the potentials of IoT.
- Viet Nam agriculture has great opportunities to apply IoT.
- To improve the level of information technology, the practice of a real project is quite important and necessary for students.
- I am planning to have project about IoT in my final year
- According to the current situation, IoT is still a great potential in the market and it will be able to hold a certain place in the industry.

Section Three: Literature sources searched

The initial sources which could help me to answer those questions:

1. [Agritech to drive sustainable farming practices in Vietnam using IoT? \(techwireasia.com\)](https://techwireasia.com)
2. [Tri Nguyen and MimosaTEK—Supercharging Agriculture in Vietnam with IoT SpringerLink](https://www.springerlink.com)
3. [Innovation for Horticultural Challenges in Vietnam: Internet of Things for Precision Agriculture | World Bank Group](https://www.worldbank.org)

Section Four: Activities and timescales

1. Collect materials relating to research's question and objectives
2. Complete research proposal
3. **Milestone 1[11-11]:** Get feedback from the Tutor about the research proposal
4. Produce project plan
5. Writing literature review and represent the findings in term of hypothesizes
6. Check project progress: research proposal, plan, literature review
7. Preparation for primary research(to confirm the findings in literature review or clarify the questions might arise after the literature review)
8. **Milestone 2[19-11]:** Get feedback from the Tutor about the plan of primary research.
9. **Milestone 3[27-11]:** Get feedback from the Tutor about the result of literature review
10. Conducting the primary research
11. **Milestone 4[5-12]:** Represent the findings in primary research and get feedback from Tutor
12. Writing assignment 1 which contains LO1, LO2
13. **Milestone 5[12-12]:** Submit assignment 1 -Draft
14. **Milestone 6[19-12]:** Submit assignment 1- Final
15. Writing Assignment 2 which contain LO3, LO4
16. **Milestone 7[26-12]:** Submit assignment 2 -Draft
17. **Milestone 8[28-12]:** Presentation- put everything together.
18. **Milestone 9[31-12]:** Submit assignment 2- Final

Activities to be carried out during the research project (e.g. research, development, analysis of ideas, writing, data collection, numerical analysis, tutor meetings, production of final outcome, evaluation, writing the report) and likely durations:

Milestone one: **[19-12]:** Submit assignment 1- Final

Milestone two: **[31-12]:** Submit assignment 2- Final

Section Five: Research approach and methodologies

- Research process: sequential
- Research classes: quantitative and qualitative
- Research methods: case study, survey

Type of research approach and methodologies you are likely to use, and reasons for your choice:

What your areas of research will cover: smart parking uses IoT

Comments and agreement from tutor

[This part not for student]

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) (Date)

Comments and agreement from project proposal checker (if applicable)

[This part not for student]

Comments (optional):

Agreed: (Name) (Date)