**Research Proposal Form**

**Student Name**: Hoang Van A **Student Number**: GCH00011

**Tutor**: Do Quoc Binh **Date**: 6/6/2014

**Unit 13**: Computing research project

**Propose title**: AI and Autonomous vehicles

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| **Section One: Title, objective, responsibilities** |
| **Research question:**  What are the roles of AI in autonomous vehicles?  **Objectives**  I want to learn:   * What are autonomous vehicles? * What autonomous vehicles can help people? * Are autonomous vehicles helpful and used widely nowadays? * What is AI in general? * How AI important in autonomous vehicles? * Is AI used popular in daily live? * What companies are using AI in autonomous vehicles? |
| **Section Two: Reasons for choosing this research project** |
| Reasons for choosing the project   * I am interested in the potentials of AI in general and autonomous vehicles in particular * I am planning to have project about AI in my final year * Autonomous vehicles is a topic which many companies are researching so it would help me to find research material easier. * I think autonomous vehicles will be popular in my country in coming years   (e.g. links to other subjects you are studying, personal interest, future plans, knowledge/skills you want to improve, why the topic is important): |
| **Section Three: Literature sources searched** |
| The initial sources which could help me to answer those questions:   1. Document 1/ URL 1/book 1.. 2. Document 2/ URL 2/book 2.. 3. Document 3/ URL 3/book 3.. 4. Document 4/ URL 4/book 4..   Use of key literature sources to support your research question, objective or hypothesis: |
| **Section Four: Activities and timescales** |
| 1. Collect materials relating to research’s question and objectives 2. Complete research proposal 3. **Milestone 1[11-6]**: 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[25-6]**: Get feedback from the Tutor about the plan of primary research. 9. **Milestone 3[27-6]**: Get feedback from the Tutor about the result of literature review 10. Conducting the primary research 11. **Milestone 4[16-7]**: Represent the findings in primary research and get feedback from Tutor 12. Writing assignment 1 which contains LO1, LO2 13. **Milestone 5[29-7]**: Submit assignment 1 -Draft 14. **Milestone 6[1-8]:** Submit assignment 1- Final 15. Writing Assignment 2 which contain LO3, LO4 16. **Milestone 7[10-8]:** Submit assignment 2 -Draft 17. **Milestone 8[12-8]:** Presentation- put everything together. 18. **Milestone 9[18-8]:** 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:  Target Date(set by tutor)  Milestone two:  Target Date(set by tutor) |
| **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: |
| **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) .......................... |
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