VIỆN CÔNG NGHỆ THÔNG TIN VÀ KINH TẾ SỐ

**BỘ MÔN CÔNG NGHỆ THÔNG TIN**

**\*\*\*\*\*\*\*\*\*\*\*\***

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**ĐỀ ÁN CHUYÊN NGÀNH CÔNG NGHỆ THÔNG TIN**

*Đề tài:*

**${title}**

Họ tên sinh viên: **${student}**

Giáo viên hướng dẫn: **${teacher}**

**Hà nội – 2020**

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${content}

${location}, .... /.... / ${year}

${author1}

${Acknowledgements}

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*${Sections-Acknowledgement-2}*

*${Sections-Acknowledgement-3}*

*${Sections-Acknowledgement-4}*

${Author}

${author1}

${Abbreviations}

|  |  |
| --- | --- |
| **AI** | Artificial Intelligence |
| **API** | Application Programming Interface |
| **ASR** | Automatic Speech Recognition |
| **AWS** | Amazon Web Services |
| **CALL** | Computer Assisted Language Learning |
| **CIPA** | Chatbot as an Intelligent Personal Assistant |

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${Abstract}

*${ Abstract-Note}*

*${Sections-Abstract-1}*

*${Sections-Abstract-2}*

*${Sections-Abstract-3}*

*${Sections-Abstract-4}*

*${Sections-Abstract-5}*

*${Sections-Abstract-6}*

*${Sections-Abstract-7}*

***${Keywords}:*** *${keyword}*

# ${Chapter} 1. ${Introduction}

${Introduction-Note}

## ${General\_statement}

*${Sections-Introduction-1}*

*${Sections-Introduction-2}*

*${Sections-Introduction-3}*

*${Sections-Introduction-4}*

*${Sections-Introduction-5}*

*${Sections-Introduction-6}*

*${Sections-Introduction-7}*

*${Sections-Introduction-8}*

## ${Research\_questions}

*${Sections-Introduction-10}*

## ${Overview\_of\_Research\_Design}

*${Sections-Introduction-11}*

## ${Definition\_of\_Terms}

*${Sections-Introduction-14}*

## ${Assumptions\_Delimitations,\_and\_Limitations}

Giả thiết – không nhìn thấy được (Assumptions)

An assumption in this study was that …

Phân định – Có thể nhìn thấy được (Delimitations)

A delimitation of this study was that …

Các hạn chế, nguy cơ, điểm yếu của nghiên cứu. (Limitations)

Another potential problem is that…

## ${Summary}

${Sections-Introduction-11}

${Sections-Introduction-12}

${Sections-Introduction-13}

# ${CHAPTER} 2. ${Literature\_review}

## ${literature1}

${literature1-note}

${Sections-Literature-1}

${Sections-Literature-2}

${Sections-Literature-3}

${Sections-Literature-4}

${Sections-Literature-5}

${Sections-Literature-6}

${Sections-Literature-7}

${Sections-Literature-8}

${Sections-Literature-9}

${Sections-Literature-10}

${Sections-Literature-11}

${Sections-Literature-12}

${Sections-Literature-13}

${Sections-Literature-14}

${Sections-Literature-15}

${Sections-Literature-16}

${Sections-Literature-17}

A picture containing iPod, electronics

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${Figure} . ${Figure\_name}

## ${literature2}

${literature2-note}

${Sections-Literature-1}

${Sections-Literature-2}

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${Sections-Literature-4}

${Sections-Literature-5}

${Sections-Literature-6}

${Sections-Literature-7}

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${Sections-Literature-13}

${Sections-Literature-14}

${Sections-Literature-15}

${Sections-Literature-16}

${Sections-Literature-17}

## ${literature3}

${literature3-note}

${Sections-Literature-1}

${Sections-Literature-2}

${Sections-Literature-3}

${Sections-Literature-4}

${Sections-Literature-5}

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${Sections-Literature-13}

${Sections-Literature-14}

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${Sections-Literature-17}

# ${CHAPTER} 3. ${Proposed\_solution}

## ${method1}

${method1-note}

${Sections-Method-1}

${Sections-Method-2}

${Sections-Method-3}

${Sections-Method-4}

## ${method2}

${method2-note}

${Sections-Method-1}

${Sections-Method-2}

${Sections-Method-3}

${Sections-Method-4}

## ${method3}

${method3-note}

${Sections-Method-1}

${Sections-Method-2}

${Sections-Method-3}

${Sections-Method-4}

# ${CHAPTER} 4. ${Research\_design}

## ${Participants}

${Sections-Method-6}

${Sections-Method-7}

## ${Research\_process/Scenario}

${Sections-Method-8}

${Sections-Method-9}

${Sections-Method-10}

${Sections-Method-11}

## ${Data\_Collection\_and\_Analysis}

${Sections-Method-12}

${Sections-Method-13}

${Sections-Method-14}

# ${CHAPTER} 5. ${Result\_and\_discussion}

## ${study1}

${Sections-Result-1}

${Sections-Result-2}

${Sections-Result-3}

${Sections-Result-4}

${Sections-Result-5}

${Sections-Result-6}

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${Sections-Result-11}

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## ${study2}

${Sections-Result-1}

${Sections-Result-2}

${Sections-Result-3}

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${Sections-Result-7}

${Sections-Result-8}

${Sections-Result-9}

${Sections-Result-10}

${Sections-Result-11}

${Sections-Result-12}

## ${study3}

${Sections-Result-1}

${Sections-Result-2}

${Sections-Result-3}

${Sections-Result-4}

${Sections-Result-5}

${Sections-Result-6}

${Sections-Result-7}

${Sections-Result-8}

${Sections-Result-9}

${Sections-Result-10}

${Sections-Result-11}

${Sections-Result-12}

${Conclusion}

${Sections-Conclusion-1}

${Sections-Conclusion-2}

${Sections-Conclusion-3}

${Sections-Conclusion-4}

${Sections-Conclusion-5}

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