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 – 2022**

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LỜI CAM ĐOAN

${content}

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

${author1}

LỜI CẢM ƠN

*${Acknowledgement}*

${\_Author}

${author1}

DANH MỤC TỪ VIẾT TẮT

|  |  |
| --- | --- |
| **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 |

DANH MỤC HÌNH

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TÓM TẮT

*${Abstract}*

***Từ khóa:*** *${keyword}*

# GIỚI THIỆU

${Introduction }

## ${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}

# TỔNG QUAN

## ${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}

${Sections-Literature-3}

${Sections-Literature-4}

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${Sections-Literature-6}

${Sections-Literature-7}

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${Sections-Literature-9}

${Sections-Literature-10}

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${Sections-Literature-14}

${Sections-Literature-15}

${Sections-Literature-16}

${Sections-Literature-17}

## ${literature3}

${literature3-note}

${Sections-Literature-1}

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${Sections-Literature-5}

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${Sections-Literature-7}

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${Sections-Literature-13}

${Sections-Literature-14}

${Sections-Literature-15}

${Sections-Literature-16}

${Sections-Literature-17}

# PHƯƠNG PHÁP NGHIÊN CỨU

## ${method}

${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}

# KẾT QUẢ VÀ THẢO LUẬN

## ${study1}

${Sections-Result-1}

${Sections-Result-2}

${Sections-Result-3}

${Sections-Result-4}

${Sections-Result-5}

${Sections-Result-6}

${Sections-Result-7}

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${Sections-Result-10}

${Sections-Result-11}

${Sections-Result-12}

${Table} . ${Table\_name}

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| --- | --- | --- |
| ${Colummn\_Header} | ${Colummn\_Header} | ${Colummn\_Header} |
| ${Content} | ${Content} | ${Content} |
| ${Content} | ${Content} | ${Content} |

## ${study2}

${Sections-Result-1}

${Sections-Result-2}

${Sections-Result-3}

${Sections-Result-4}

${Sections-Result-5}

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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}

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${Sections-Result-6}

${Sections-Result-7}

${Sections-Result-8}

${Sections-Result-9}

${Sections-Result-10}

${Sections-Result-11}

${Sections-Result-12}

KẾT LUẬN

${Sections-Conclusion-1}

${Sections-Conclusion-2}

${Sections-Conclusion-3}

${Sections-Conclusion-4}

${Sections-Conclusion-5}

${Sections-Conclusion-6}

${Sections-Conclusion-7}

${Sections-Conclusion-8}

${Sections-Conclusion-9}

TÀI LIỆU THAM KHẢO

${Content}

PHỤ LỤC

${Content}