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|  | **Department of Computer Science**  **University of Management and Technology** |

**Assignment Description File**

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| Course Name: | **Software Engineering (CC2101)** |
| Section: | V10 |
| Teacher: | **Fasiha Ashraf** |
| Student Name & ID: | **Maha Arshad F2021266447** |
| Assignment No.: | **1** |
| Deadline: | **Late submissions not Accepted**  As per LMS |

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**USE THIS FORMAT TO SUBMIT YOUR SOLUTIONS.**

1. Project Title

AI-Human Content Generator

1. Name and ID of Student

F2021266447 Maha Arshad

1. Project Advisor (Name, Email Address)
2. External Collaboration/Funding (if any) + Paid or Unpaid (Confirmed or Expected)
3. Project Description (Brief Introduction)

With the rise in AI, there has also been a rise in AI-generated content. However, tools like Originality can easily spot AI content, which makes it less appealing for content generation for writers and businesses. While AI content turns out to be powerful and efficient, it doesn’t have the human touch that human-written content has, and the content isn’t as credible or useful.

This project will aim to introduce an intermediary algorithm that knows how humans write content, and all the human writing nuances are programmed into it. It will take AI-generated content from ChatGPT 4 on any topic and convert it to human-written content.

The expected results of this project are an advanced content generation software that combines the power of ChatGPT, Grammarly, and Originality to produce human-like, high-quality content for any and all platforms.

1. Major Features/Requirements/Objectives (Tentative)

**Functional Features:**

* ChatGPT API integration for content generation
* Grammarly API integration for grammar and style checks
* Originality API integration for content authenticity and originality
* Intermediary algorithm that changes AI content to replicate human writing style
* WordPress plugin and Chrome extensions for easy content generation and deployment
* User-friendly Interface
* Compatibility with different devices and Operating Systems

1. Scope of the Project/Proposed System

* Researching and understanding how humans write content. I will investigate answers to questions like:

How different is AI content from human-written content?

What are the main factors that make content marked as AI content?

How do humans write content?

* Then, I will develop an intermediary algorithm that will process AI content.
* Integrate multiple APIs for generating content, checking originality and plagiarism, validating the content, and converting it to human-written from AI.
* Design WordPress plugin and Chrome Extention for user convenience
* Test and refine the system so it returns-optimized human-written content

1. Target Users/Beneficiaries of the Proposed System

The target users are bloggers and writers who can reduce their work time and business and marketing agencies, for whom content authentication is really important. Plus, it can also be useful in academic institutions where content for reports, research, etc, should be human-written. This project will give credibility and authenticity to AI-driven content by ensuring it turns out AI-Free in AI detecting Tests like Originality.

1. Tools/Technologies (Tentative Listing)

**Software:**

* OpenAI’s ChatGPT
* Grammarly API
* Originality API
* Development Tools for WordPress plugin and Chrome extensions

**Hardware:**

* Cloud-based servers for processing and hosting
* Backup storage systems
* Standard development IDE/workstation