**A black and white logo with red text

Description automatically generated**

**Egyptian Chinese University**

**Faculty of Engineering & Technology**

**Software Engineering & IT Department**

**Graduation Project SET497**

**Final Report**

**Project Title**

|  |
| --- |
| **AI-Powered Music Platform** |

***Project Team***

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***Under Supervision of***

**Dr. Iyad Ayoub**

**Dr. Noha Hussen**

20 Dec. 2024

Executive Summary (1 page)

A concise summary of the:

* + Project scope,
  + Project objectives briefly.
  + Key findings and outcomes.
  + A brief mention of perceived challenges.
  + Final recommendations and future plans.

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1. Introduction (2-3 pages)

* Background information about the project.
* Scope of the Project: to provide a comprehensive overview of the project's focus
* Define the problem your project intends to solve.
* Objectives of the project: What the project aims to achieve.
* Importance or relevance of the project to the field.

1. Literature Review (3-4 pages)

* Review relevant academic papers, technologies, or systems that relate to your project.
* Overview of the existing studies, theories, technologies, systems and other projects relevant to the topic.
* Identify gaps in current knowledge that your project will address.
* How this project builds upon or diverges from existing knowledge.

1. Methodology (2-3 pages)

* Detailed explanation of the methods used in the project.
* Justification for the chosen methods.
* Any tools, software, programming languages, frameworks or specialized equipment used in the project.
* Overview of the system architecture or design/ diagram.

1. Project Progress (3-5 pages)

* Detailed account of what has been accomplished so far. Include a table or timeline to show:
  + Tasks completed.
  + Outputs achieved.
* Breakdown of the project into phases or milestones.
* Discussion of any results, findings, or data collected up to this point.

1. Challenges and Solutions (1–2 pages)

* Identification of any obstacles encountered during the project period.
  + Technical Challenges (e.g., implementation difficulties).
  + Organizational Challenges (e.g., time management).
* Explanation of how challenges were addressed or plans to tackle unresolved issues.

1. Future Work (1-2 pages)

* Detailed plan for the next phases of the project. A Gantt Chart to illustrate the timeline.
  + A list of main deliverables (e.g., working prototype, documentation).
* Expected outcomes or goals for the next reporting period.

1. Conclusion (1 page)

* Recap of the project's current status and future expectations.
* Reinforcement of the project's significance and impact.on the targeted field and potential applications.

1. References (1-2 pages)

* Properly formatted list (IEEE) of all sources cited in the report.

1. Appendices (As needed)

* Include any additional material that is relevant but not integral to the main text, such as:
  + Detailed tables,
  + extended data sets, or
  + technical drawings.
  + Source code or implementation details.
  + Illustrative diagrams (e.g., system architecture).
  + Testing models (e.g., surveys, evaluation forms).