**REDESIGNING A GLOBAL SYSTEM FOR MOBILE COMMUNICATION (GSM) FREQUENCY JAMMER**

**BY**

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**CERTIFICATION**

This is to certify that, this project with the title **Redesigning a GSM Signal Frequency Jammer** submitted by the aforementioned students have satisfied the regulations governing the award of Higher National Diploma (HND) in Computer Engineering Technology Department of the Faculty of Engineering, The Polytechnic Ibadan, Oyo State, Nigeria.

**Engr. O.K Adejumobi …..……………………**

***Project Supervisor Signature/Date***

**Engr. D.A Oladosu ………………………..**

***Head of Department Signature/Date***

**DEDICATION**

This project is dedicated to God Almighty the giver of knowledge whom hath given us the grace to begin and complete our HND academic Journey. This Project is also dedicated to our beloved friend and colleagues in the Faculty of Engineering, The Polytechnic Ibadan.

**ACKNOWLEDEMENT**

The accomplishment of this work have only come-by because our dear project supervisor (Engr. O. K Adejumobi), have chosen to pour on us from his well of knowledge as a guide in a way to foster adoption of innovative technologies, aiding the uniqueness of continual learning which has brought about the result we can hold on our hands today. We therefore extend our most sincere thanks.

**ABSTRACT**

This project focuses on Redesigning a GSM Frequency Jammer, with the objective of enhancing its efficiency, selectivity, and operational safety. GSM jammers, which interfere with cellular communication by emitting signals on the same frequencies used by mobile phones, are often used in secure environments to prevent unauthorized communications. The redesigned jammer incorporates advanced signal processing techniques to selectively target specific frequency bands (850 MHz, 900 MHz, 1800 MHz, and 1900 MHz), minimizing collateral disruption to non-targeted communication services.

Additionally, the project addresses power management to optimize energy consumption and improve portability, as well as implementing safety protocols to ensure compliance with regulatory standards and mitigate potential health risks. The final design is expected to offer a more precise, reliable, and user-friendly solution for environments requiring controlled communication interference. This redesign aims to set a new standard in GSM jamming technology by balancing effectiveness with regulatory compliance and user safety.

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