**TITLE**

**COMMUNICATION RADAR**

**BY**

**OBOT, BRIAN DAVID**

**EE/17/328**

**SEMINAR REPORT SUBMITTED TO THE DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING, FACULTY OF ENGINEERING & TECHNOLOGY,**

**MADONNA UNIVERSITY NIGERIA.**

**MAY, 2022**

**CERTIFICATION PAGE**

I, OBOT, BRIAN DAVID with the Registration number EE/17/328 declare that I conducted the necessary research partaking to this very project. And this seminar report was written by me to my very best knowledge and understanding.

OBOT, BRIAN DAVID ---------------- ---------------

Student Signature Date

Engr. DR. M. Alor --------------- --------------

(Supervisor) Signature Date

Engr. Dr. Ambrose A. Omeche ---------------- ---------------

(Head of Department) Signature Date

**APPROVAL PAGE**

The seminar report on Design and construction of a RADAR system has been reviewed and approved on behalf of the Department of Electrical/Electronic Engineering, Madonna University, Akpugo Campus, Enugu State, Nigeria. By;

Engr. DR. M. Alor ------------------ ---------------

(Supervisor­) Signature Date

Engr. Dr. A. A. Omeche ------------------ ---------------

(Head of Department) Signature Date

**DEDICATION**

This work is dedicated to Almighty God, who has made it possible to be alive today and also to my beloved family for all their love and support.

**ACKNOWLEDGEMENT**

I want to use this opportunity to say a big thank you to my supervisor, Engr. DR. M. Alor for his numerous supports and also for guiding through my research and would also like to say a big thank you to the Head of Electrical/Electronic Department, Engr. Dr. A.A. Omeche for his active contributions in ensuring that I went out of my way and deeply researched on my project work.

**ABSTRACT**

Over the past years, the world on a global level has experience a rapid and ever growing appreciation and application of RADAR technology to aid with activities from air traffic control, to ballistic missiles and even more recently in the application of self driving vehicles. These applications have risen to a very high rate over the past years. That a thorough understanding and implementation of the new system of RADAR technology design and construction must be used and understood efficiently by any student of Communication Technology looking forward to better appreciate and develop such systems.

The idea of our project is to show the details and processes involved in the design and construction of a typical radar system for application in long distance object detection.