**IOT-BASED SMART WASTE MANAGEMENT SYSTEM**

**BY**

**OBIEKWE MIRACLE NKIRUKA**

**HD2023/07818/1/CS**

**DEPARTMENT OF COMPUTER SCIENCE, SCHOOL OF SCIENCE AND INDUSTRIAL TECHNOLOGY (S.S.I.T) OGBONNAYA ONU POLYTECHNIC, ABA.**

**IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE AWARD OF HIGHER NATIONAL DIPLOMA (HND) IN**

**COMPUTER SCIENCE**

**SUPERVISOR**

**Dr CHIKE David**

**APRIL 2025**

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**CERTIFICATION PAGE**

This is to certify that the project research “**IOT-BASED SMAR MANAGEMENT SYSTEM**” was carried out by “**OBIEKWE MIRACLE NKEIRUKA**” with the Matriculation number of HD2023/07818/1/CS.

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Obiekwe Miracle Nkeiruka Date

**APPROVAL PAGE**

This project is approved by the Department of Computer Science, Ogbonnaya Onu Polytechnic Aba, as having met the requirements for the award of the Higher National Diploma.

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Dr Chike David Date

(Supervisor)

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Dr. Ojo Onuoha Date

(HOD)

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(External Examiner) Date

**DEDICATION**

This project is dedicated to God Almighty, whose steadfast guidance and protection have carried me through every step. I also dedicate it to my beloved family, whose unwavering love, encouragement, and support have been my greatest source of strength

**ACKNOWLEDGEMENT**

I am deeply grateful to Almighty God for His unwavering care, boundless love, and the precious gift of life. His guidance has been my constant companion throughout this journey, and for that, I give thanks.

I want to express my sincere appreciation to my supervisor, Dr. Chike David, whose valuable advice, support, and mentorship have significantly contributed to the success of my work.

To my incredible family, thank you for your endless love, encouragement, and unwavering belief in me. Your support has been the foundation of my strength.

I also extend my heartfelt thanks to the lecturers of the Computer Science Department and my dear friends. Your encouragement, assistance, and kindness have meant so much to me along the way. May God, in His infinite mercy, bless you all abundantly.