**CERTIFICATION**

This is to certify that this project a PERFORMANCE EVALUATION SYSTEM FOR EMPLOYEE MANAGEMENT was written by PHONE OYINDINEPRE SOPHIA under the supervision of Mr. P.O Izevbizua has been approved and submitted to the Department of Computer science.

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(HOD, computer science) Signature Date

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(Dean, faculty of science) Signature Date

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(External supervisor) Signature Date

**DEDICATION**

I dedicate this project to God Almighty my creator, my strong pillar, my source of inspiration, wisdom, knowledge and understanding. He has been the source of my strength throughout this program and on His wings only have I soared. I also dedicate this work to my grandma; Mrs. Oyadiegha Martha a lover of education who has encouraged me all the way and whose encouragement has made sure that I give it all it takes to finish that which I have started. To my father Late Mr. Phone Odi and mother Mrs. Oyadiegha Aremiedikumor who have been affected in every way possible by this quest. Thank you. My love for you all can never be quantified. God bless you.

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**ABSTRACT**

This project describes a “PERFORMANCE EVALUATION SYSTEM FOR EMPLOYEE MANAGEMENT USING DECISION TREE”. In evaluating staff performance, it usually involves awarding numerical values or linguistic labels to their performance. These values and labels are used to represent each staff’s achievement by reasoning incorporated in the arithmetical or statistical methods. However, the staff performance appraisal may involve judgments which are based on imprecise data especially when a human (the superior) tries to interpret another human (his/her subordinate) performance. Thus, the scores awarded by the appraiser are only approximations. From fuzzy logic perspective, the performance of the appraisee involves the measurement of his/her ability, competence and skills, which are actually fuzzy concepts that can be captured in fuzzy terms. Accordingly, fuzzy approach can be used to handle these imprecision and uncertainty information. Therefore, the performance evaluation system can be examined using Fuzzy Logic Approach and this was carried out in the study. The study utilized hierarchical fuzzy inference approach since performance evaluation comprises of four criteria; namely work achievement, skill knowledge, personal quality, and community services. The output of the study provides the ranking for staff performance. From this study, it is expected that reasoning based on fuzzy models will provide an alternative way of handling various kinds of imprecise data, which often reflected in the way people think and make judgments.

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