



**Department of Electrical and Computer Engineering  
North South University**

**Senior Design Project**  
**Food Ordering Platform (FOP) with digital token**

**ABDULLAH AL FUAD**

**ID# 1610433045**

**Faculty Advisor:**

**Prof. K. M. A. Salam, Ph.D, SMIEEE, FIEB**

**Professor, Department of Electrical and Computer Engineering**

**Director, Office of Admissions**

**North South University**

**Spring, 2023**

# LETTER OF TRANSMITTAL

August, 2023

To

Dr. Rajesh Palit  
Chairman,  
Department of Electrical and Computer Engineering  
North South University, Dhaka

Subject: **Submission of Capstone Project Report on “Food Ordering Platform (FOP) with digital token”**

Dear Sir,

With due respect, I would like to submit my **Capstone Project Report on “Food Ordering Platform (FOP) with digital token”** as a part of our BSc program. The report deals with the digital token System for the food ordering platforms . This project was very much valuable to us as it helped us gain experience from practical fields and apply in real life. We tried to the maximum competence to meet all the dimensions required from this report.

We will be highly obliged if you kindly receive this report and provide your valuable judgment. It would be our immense pleasure if you find this report useful and informative to have an apparent perspective on the issue.

Sincerely Yours,

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Abdullah Al Fuad  
ECE Department  
North South University, Bangladesh

# APPROVAL

Abdullah Al Fuad (ID #1610433045), from Electrical and Computer Engineering Department of North South University, have worked on the Senior Design Project titled “**Food Ordering Platform (FOP) with digital token**” under the supervision of Dr. Riasat Khan partial fulfillment of the requirement for the degree of Bachelors of Science in Engineering and has been accepted as satisfactory.

## Supervisor’s Signature

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**Prof. K. M. A. Salam, Ph.D, SMIEEE, FIEB**

**Professor**

Department of Electrical and Computer Engineering

Director, Office of Admissions

North South University

## Chairman’s Signature

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**Dr. Rajesh Palit**

**Professor**

Department of Electrical and Computer Engineering

North South University

Dhaka, Bangladesh.



# DECLARATION

This is to declare that this project is our original work. No part of this work has been submitted elsewhere partially or fully for the award of any other degree or diploma. All project related information will remain confidential and shall not be disclosed without the formal consent of the project supervisor. Relevant previous works presented in this report have been properly acknowledged and cited. The plagiarism policy, as stated by the supervisor, has been maintained.

Students' names & Signatures

**1. Abdullah Al Fuad**

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## ACKNOWLEDGEMENTS

The author would like to express their heartfelt gratitude towards their project and research supervisor, Prof. K. M. A. Salam, Ph.D, SMIEEE, FIEB ,Professor, Department of Electrical and Computer Engineering, North South University, for his invaluable support, precise guidance and advice pertaining to the experiments, research and theoretical studies carried out during the course of the current project and also in the preparation of the current report.

Furthermore, the authors would like to thank the Department of Electrical and Computer Engineering, North South University, Bangladesh for facilitating the research. The authors would also like to thank their loved ones for their countless sacrifices and continual support.

## ABSTRACT

### **Food Ordering Platform (FOP) with digital token**

I am doing a 2 semester-long project under honorable **Prof. K. M. A. Salam**, sir. My project title is Food Ordering Platform (FOP) with digital token. While visiting the restaurant, I was with my friend and noticed that restaurants still use paper receipts and many others don't use them either. One thought that came into our mind is that, if we can use an e-token that is automatically sent to the customer's mobile number, it can bring a rapid change in terms of feasibility and hassle-free services. One more important thing is that this application ensures a self-service system that is more comfortable to the customer and profitable for the restaurant. Using this application customers can order food directly to the manager. After confirming the order, this application directly sent an e-token to the customer.