

[Department of Electrical and Computer Engineering]

North South University

## **Senior Design Project**

### **[BDRIDER]**

### **[A Bicycle Renting App]**

## **Team Members**

Name	Id
Md. AzizulHaqueSrejan	1511031642
JayantiSaha	1421176043
A.F. MimOnika	1410553042
Hridi Ahmed	1231314042

**[Faculty Advisor]**

**Dr.Shazzad Hossain**

**Associate Professor**

Department of Electrical & Computer Engineering

North South University Dhaka, Bangladesh

# DECLARATION

This is to certify 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. Any material reproduced in this project has been properly acknowledged.

## Students' names & Signatures

1. Md Azizul Haque Srejan

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2. Jayanti Saha

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3. A.F. Mim Onika

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4. Hridi Ahmed

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# APPROVAL

We, Md. Azizul Haque Srejan (1511031642), Jayanti Saha (1421176043), A.F. Mim Onika (141055304), Hridi Ahmed(1231314042), members of CSE/EEE-499(Senior Design) from Section -5 from Electrical and Computer Engineering department of North South University has done our project named BDRIDER (A Bicycle Renting App ) under the supervision of Dr. Shazzad Hossain, Associate Professor of ECE department. We have fulfilled all terms and condition of this course and completed our project.

## Supervisor's Signature

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**Dr. Shazzad Hossain**  
Associate Professor

Department of Electrical & Computer Engineering

North South University

Dhaka, Bangladesh

## Chairman's Signature

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**Dr. K.M.A. Salam**  
Professor & Chairman

Department of Electrical & Computer Engineering

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Dhaka , Bangladesh

# ACKNOWLEDGEMENT

By mercy of the Almighty we have completed our senior design capstone project entitled “BDRIDER (A Bicycle Renting App)”. First of all we want to thank our advisor, Dr. Shazzad Hossain for his continuous support in our capstone project throughout the whole 499A and 499B with his patience, motivation, and immense knowledge. His guidance helped us in through the time to finishing our project. We would also like to thank North South University, Dhaka, Bangladesh for providing an opportunity in our curriculum which helped us to learn so much during proceeding with our project. And finally, we would like to thank our friends and family members for their inspiration and guidance which kept us focused and motivated.

# ABSTRACT

Our aim was to build a system which will reduce human traveling cost and is also environment friendly. And we wanted to make traveling easy to our people. Considering some problems like traffic jam, lack of public transport, high traveling cost of private transport and environment pollution of our country and specially of the Dhaka city, we have built a system for traveling which can be used easily by an android app, that can reduce people's traveling cost and also do not have any bad impact to our environment. In our project we are introducing BDRIDER.apk an android app based software which can be used to rent bicycle. We have developed an android app where there will be two type of users- users and owners. A user can rent a bicycle from our garages which using our and owners can share their bicycle to our system.