



Senior Design Project

Tripper

Sohanur Rahman ID # 1510464642

Deepta Barua ID # 1511056042

Md Delwar Hosen ID # 1511354042

Ahmed Jawad ID # 1510980042

Soumikendu Dev ID # 1511060042

Faculty Advisor:

Dr. Mohammad Ashrafuzzaman Khan

Assistant Professor

ECE Department

Summer, 2019

LETTER OF TRANSMITTAL

Sept, 2019

To

Prof. K. M. A. Salam

Professor and Chairman,

Department of Electrical and Computer Engineering,

North South University, Dhaka.

Subject: Submission of Capstone Project on “Tripper”

Dear Sir,

With due respect, we would like to submit our Capstone Project Report on “Tripper” as a part of our BSc program. The report deals with an overall description of the android based app and how it connects Bangladeshi Travellers, Tourists and Travelling agencies through our diversified systems. It may also assist freelancer individuals to help tourists in their local city and earn some money. We tried our level best to make the report meaningful and informative.

The Capstone project was very much valuable to us as it helped us to gain experience from practical field. It was a great learning experience for us. We tried to the maximum competence to meet all the dimensions required from this report.

We will be highly obliged if you are kind enough to 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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Sohanur Rahman
Department of ECE
North South University, Bangladesh

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Deepta Barua
Department of ECE
North South University, Bangladesh

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Md Delwar Hosen
Department of ECE
North South University, Bangladesh

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Ahmed Jawad
Department of ECE
North South University, Bangladesh

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Soumikendu Dev
Department of ECE
North South University, Bangladesh

APPROVAL

The capstone project entitled “**Tripper**” by **Sohanur Rahman (ID # 1510464642)**, **Deepta Barua (ID # 1511056042)**, **Md Delwar Hosen (ID # 1511354042)**, **Ahmed Jawad (ID # 1510980042)**, & **Soumikendu Dev (ID # 1511060042)** is approved in partial fulfillment of the requirement of the Degree of Bachelor of Science in Computer Science and Engineering on September, 2019 and has been accepted as satisfactory.

Supervisor:

Dr. Mohammad Ashrafuzzaman Khan
Assistant Professor
Department of Electrical and Computer Engineering
North South University
Dhaka, Bangladesh

Department Chair:

Prof. K. M. A. Salam
Professor and Chairman,
Department of Electrical and Computer Engineering,
North South University, Dhaka.

DECLARATION

This is our truthful declaration that the “Capstone Project Report” we have prepared is not a copy of any “Capstone Project Report” previously made by any other team. No part of this report or the project has been previously submitted elsewhere for the fulfillment of any other degree or program.

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Sohanur Rahman
ECE Department
North South University, Bangladesh

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Deepta Barua
ECE Department
North South University, Bangladesh

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Md Delwar Hosen
ECE Department
North South University, Bangladesh

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Ahmed Jawad
ECE Department
North South University, Bangladesh

.....
Soumikendu Dev
ECE Department
North South University, Bangladesh

ACKNOWLEDGEMENT

First of all, we wish to express our gratitude to the Almighty for giving us the strength to perform our responsibilities and complete the project and report. We want to thank our parents for allowing us to admit here in North South University with financial support, and for always supporting us in every possible way. North South University seems to be a great place to study.

We want to give our uttermost thanks to our advisor, **Dr. Mohammad Ashrafuzzaman Khan** of the Department of Electrical and Computer Engineering at North South University at Dhaka, for his teachings, advice, encouragement, enduring patience and constant support. He never gave up his belief on us, always providing clear explanations when we got astray, constantly gave us a spark of energy when we were tired, and always gave us his time, in spite of anything else that was going on. He always ends the sentence with a productive advice and a joyful smile. We wish all the students have the honor and opportunity to experience his ability to perform at teaching. We want to thank North South University, Department of Electrical and Computer Engineering professors and staffs for all their hard work and dedication, providing us the means to complete our degree and prepare for a career as a computer scientist.

Lastly, we would like to thank our family for always supporting us through hard times with endless care and no complaints. We do not have the words to express our gratitude.

ABSTRACT

We are in the era of science and technology. Today's society is different to the one that existed not so many years ago. Our society is constantly changing. The most important characteristics of our era may be the transformation, transmission and dominion of information. We live in an information society where the leading role has been given to new technologies, especially those devoted to information. Our society could not be imagined without new technologies and their role both in this society and in human life. Invention of android phones take our life to another level of technology. Now we can access to the whole world with the help of these android phones and apps.