**Project Title:** Mobile Application for Public Transport System

**Team Name:** Bits&Bytes

**Github Repository link:** https://github.com/Bit-and-Bytes/BitsNBytes.git

**Team Details:**

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|  | **Full Name** | **Registration Number** | **GigHub profile Link** |
| **Leader** | Galaboda Hewage Kavindu Hasaranga | IT18206142 | <https://github.com/KavHasrana> |
| **Member 1** | Nisal Renuja Palliyaguru | IT20281632 | <https://github.com/nisalrenuja> |
| **Member 2** | Chenuka Virajith Sumanasekara | IT18206906 | <https://github.com/chenukas> |

**Problem Description**

From the beginning of this year, the 2020 world must face coronavirus (COVID 19). So mainly this virus spread a huge number of countries and there are huge of deaths. According to the world health organization, there are several ways that virus can be spread among the people. From money also this virus can be spread. So still in our country, we do not have good methods to exchange money in a safe way. In public transport system also, this problem occurred, and public transport system uses money, and this can be a carrier of the virus. So, this is a huge issue and for this problem, we must act.

**Solution for the Problem**

For that problem, we decided to create a mobile application. This application must use both sides in the public transport sector. As an example, imagine you are a passenger and you must install this application and the conductor, or the other party also must download this application. The passenger must create an account including the payment details. Then when we are using a public transportation system, we must enter the destination and type of transportation and it can create a QR cord. That QR cord can scan by conductor and finally can do the transaction

The current situation in Sri Lanka, we need this kind of application to do our work properly. And by using this kind of application it can help to prevent spreading (COVID 19) coronavirus as well as other infections that can carry through the money. So, using this solution can avoid spreading virus through the money as well as this application can keep a distance between passengers and conductor. So, both sides can protect from that application when using the public transportation system.