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(57) Abstract :

This device and system presents a smart information system through which the commuters can get prior real time information like the recent crossed location and arrival timings of the bus at any given point of boarding. To get this idea into practice the NFC-Near Field Communication technology comprising of an NFC card and NFC reader, is implemented wherein the card is attached to the bus and the reader is located at the bus stop. When the NFC card comes into the range of the NFC reader the data transmission takes place which is then processed and communicated to the commuters through servers at bus stop display boards and mobile apps. This innovation eradicates the barriers for public transport usage and creating a positive impact about bus journey. This concept will be a key pillar in the process of achieving smart cities. This also enables to adherence of social distancing norms.

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