**ABSTRACT**

Nowadays, attend system in schools and colleges is generally based on paper. Sometimes this process causes errors and also takes more time. So this project uses [RFID technology](http://www.edgefx.in/projects-for-final-year-engineering-students-based-on-rfid-technology/) to make a note of every student entering into the classroom. In this proposed system, every student is allotted with an RFID tag. The process of attendance can be done by placing the card near the RFID reader.

In this project file, the basic concepts behind RFID technology are introduced along with the implementation of an RFID system working on ESP 32 and the associated security issues and threats in using RFID technology, along with possible measures on how to tackle them, are discussed. The objective is to deliver a greater understanding of the commercial related aspects of this technology.

The deployment and use of Radio Frequency Identification (RFID) technology is growing rapidly across many different industries. Developers apply the technology not only in traditional applications such as asset or inventory tracking, but also in security services such as electronic passports and RFID-embedded credit cards. However, RFID technology can also be used to tackle day to day issues which are less severe than those on a large scale. Automation of the Attendance system can be used by a number of organisations all across the globe. Due to its cost effectiveness and efficiency it has greater advantage over other security systems which are available in the market.