



### **ABSTRACT**

People tend to waste approximately 15-60 minutes at the airport luggage carousel looking for their luggage. Which may sometimes go unnoticed by their owners and would take for another spin around the conveyor belt without any indicator that the passenger owns that specific luggage. The goal of the study is to develop airport arrival luggage tracker that provides real time updates about the status of the luggage on the luggage carousel. This study lessens the passenger's waiting time and avoid confusion when picking up respective luggage. An RFID sticker is used to communicate with the RFID system and updates about the status of the luggage from the database when scanned by the RFID reader. A unique ID is incorporated into each sticker which helps tagging luggage to their respective owner's luggage. The system displays the status of the luggage, whether the luggage has arrived, has not arrived, already picked up by the owner or delayed. Status of the luggage are displayed through screens or monitors.