

## **ABSTRACT**

*Bags function as ubiquitous storage and transportation containers widely utilized by various segments of society, including students, professionals, and employees. However, a prevalent challenge associated with bag usage is the inadvertent leaving behind of belongings. In response to this issue, a technology-based solution is proposed: the Reminder Bag, equipped with features for item reminders and enhanced security, designed to minimize the risk of forgotten items and bag theft.*

*The primary focus is on developing a reminder system applicable to bags that is accessible to diverse demographics. In this innovation, the bag is integrated with a smartphone for efficient organization and monitoring of belongings, as well as ensuring the bag's security and sustainability. The integration aims to provide not only a positive contribution to societal efficiency by reducing the risk of item loss but also to address prevalent security concerns related to bags.*

*The Reminder Bag has the potential to revolutionize urban challenges by offering a user-friendly and innovative solution for everyday life, thereby contributing positively to the environment and social awareness.*

*Keywords: Bag, Belongings, Reminder, Security, Smartphone*