

# **ABSTRACT**

**A healthy existence depends heavily on environmental hygiene. In our daily lives, waste bins shouldn't be left unattended. Unattended garbage containers will overflow, leak, and emit pollutants that are hazardous to the health of both people and the environment. Population expansion and huge migrations of residents from urban and semi-urban areas to smart cities have created issues for these cities due to their rapid rise. Handling, collecting, and disposing the everyday trash generation is one of the biggest issues that Metropolitan Areas are up against. It is difficult to gather and process waste on a larger scale. In order to manage and dispose of rubbish effectively, we are creating a smart IOT-based waste management system for metropolitan areas as part of our research.**