

**TEAM ID: PNT2022TMID15698**  
**SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN**  
**ABSTRACT**

With the increasing population and industrialization of nations throughout the globe, waste has become a great concern for all of us. Over the years, researchers figured that waste management is not enough for proper treatment and disposal techniques to preserve our environment and keep it clean in this era of globalization. With the help of technology researchers have introduced IoT based Smart Waste Management solutions and initiatives that ensure a reduced amount of time and energy required to provide waste management services and reduce the amount of waste generated. Unfortunately, developing countries are not being able to implement those existing solutions due to many factors like socio-economic environment. Therefore, in this research we have concentrated our thoughts on developing a smart IoT based waste management system for developing countries like INDIA that will ensure proper disposal, collection, transportation and recycling of household waste with the minimum amount of resources being available.