Code Sploit(Team Name)

**Using food waste as consumable organic resource SG866(Problem Statement & PS.NO)**

**Surplus Suppliers (Project Title)**

The aim of the idea is to redistribute food to the needy and separate food waste from general waste and recycle it rather than disposing it in landfills. We provide a solution to prevent daily wastage of food by restaurants, household, supermarkets, vendors etc. by building a web application to redistribute excess food to NGOs, spoilt food to biogas plants and kitchen waste to fertilizer production. The proposed idea would allow the donors (restaurants, households, vendors and supermarkets) to donate excess or spoilt food to the nearby drop point (station to donate or receive food). The collected food is segregated into edible and spoilt food by the worker manually in the drop point. From there edible food is distributed to NGOs, spoilt food is sent to biogas plants and kitchen wastes are sent to prepare fertilizers. The receiver can access the web application to see the drop points near him/her and can take the required amount of food for free. The whole process is carried out through a unique QR code which is given to both the donor and the receiver with which they can donate/receive in the drop point. The donors can avail tax reduction and cashback schemes based on the credits points they receive and once the credit point reaches a certain level, cashbacks can be redeemed. The outcome we ensure to provide from this idea is to reduce the food wastage in India by 40% through recycling and redistributing the spoilt and excess food. The above supply-chain is implemented through web application so that each and every individual can access it easily. To conclude, the whole idea of the web application we have created strives to implement sustainable food service, addresses the need to move towards Zero waste strategy and works to ensure a sustainable environment.  
 We believe that we can make zero food waste a reality.

**Salient Features of the app:**

1)Unique QR code is generated for ease of access.

2)Credit points are given in order to encourage the contribution of donors.

3)Blockchain is implemented to ensure security of the user’s data.