

LIST OF FIGURES

Fig. Numbers	Details	Page No.
Fig. 1.1	E-waste dumped in by lanes and river bank	2
Fig. 1.2	E-waste burnt in home	3
Fig. 1.3	Children burning E-waste in Landfills	4
Fig. 1.4	Break up E-Waste generation in India	5
Fig. 1.5	Informal E-waste disposal methods	6
Fig. 1.6	Chloacne	9
Fig. 1.7	Lead Poisoning	9
Fig. 1.8	Cadmium Poisoning	9
Fig. 1.9	Graphical representation of E-waste generated from Computers	11
Fig. 2.1	Incineration	24
Fig. 2.2	Open Burning	24
Fig. 2.3	Land Filling	24
Fig. 2.4	Detoxication	26
Fig. 2.5	Shredding	26
Fig. 2.6	Refining	26
Fig. 2.7	Highest E-waste generation per person countries	28
Fig. 2.8	Break up E-Waste generation in India. [13]	28
Fig. 2.9	Sales and Forecast of Desktop	33
Fig. 2.10	E-waste from Desktop generated [2011-2015] and Predictions [Yr 2016-2020]	34
Fig. 2.11	Laptop sales (2007-2015) and forecast (till 2018)	36
Fig. 2.12	E-waste Generated from Laptop actual [2015] prediction [2020]	36

Table Number	Significance	Page No.
Fig. 2.13	Export of E-waste	40
Fig. 3.1	Flow diagram for review of Literature	46
Fig. 3.2	Flow Diagram for Data Collection and Analysis	46
Fig. 3.3	Flow Diagram for Software Design and Development	51
Fig. 3.4	Chart of Domains wise distribution and Green IT implementation status	69
Fig. 3.5	E-waste generated tracked by companies for 3 years	72
Fig. 3.6	Organizations Tracking E-waste generation	72
Fig. 3.7	E-waste Disposal in Pune	74
Fig. 4.1	E-waste management System Screen	77
Fig. 4.2	Login Screen www.ewastepune.co.in	81
Fig. 4.3	User Registration Screen	82
Fig. 4.4	Login Screen with Type details	84
Fig. 4.5	Customer Home Page	85
Fig. 4.6	Sell Screen for addition of products	87
Fig. 4.7	List of the products User has put for Sale	88
Fig. 4.8	Buyer Screen	89
Fig. 4.9	Consumer - "Requested To Me" Module	91
Fig. 4.10	Change status of the Transaction on acceptance of Request	92
Fig. 4.11	Registration Screen for Recycler	94
Fig. 4.12	Login as Recycler	95
Fig. 4.13	Recycler Home Page	96
Fig. 4.14	Recycler -Request By Me	98
Fig. 4.15	Login Screen	99

Table Number	Significance	Page No.
Fig. 4.16	Government Home Page	101
Fig. 4.17	Government Reports	102
Fig. 4.18	Reports	103
Fig. 4.19	E-waste Transactions	104
Fig. 5.1	Smart City Business Model	109
Fig. 5.2	E-waste -CSR oriented Business Model	112
Fig. 5.3	E-waste -IOT oriented Business Model	114