**Software Project Development On**

**E-PLASTIC**

In Partial Fulfilment Of

Bachelor of Computer Application (BCA)

****

**Gujarat University (2020-21)**

(Third Year Bachelor of Computer Application)

**Project Created By**

**Group No: 18**

**Ark Barot [Roll No.: - 03]**

**Nihir Shah [Roll No.: - 73]**

**Archit Trivedi [Roll No.: - 92]**

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**Lokmanya College of Computer Application (LCCA)**

**Shivranjani Cross Road, 132 Feet Ring Road,**

**Satellite, Ahmedabad-3800008**

**Contact No: - (079)-26920259**

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|  |  | I would like to express my special thanks of gratitude to my teacher as well as our principal who gave me the golden opportunity to do this wonderful project on the topic “E-Plastic" , which also helped me in doing a lot of Research and i came to know about so many new things. I am really thankful to them |  |
|  |  | Any attempt at any level can 't be satisfactorily completed without the support and guidance of MY guider and friends. |  |
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| Abstract | | | |
|  |  | This Project is built for customer Garbage Collector, Recycle Company, Recycle Product selling in one portal. Here all are getting work and they all get earning according. |  |

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| **Index** | | | |
| **Sr.**  **No.** | **Title** | | **Page**  **No.** |
| 1 | Introduction | |  |
| 2 | Project’s Information | |  |
|  | 2.1 | Project Definition |  |
|  | 2.2 | Project Profile |  |
|  | 2.3 | Program Definition |  |
| 3 | Company Details | |  |
|  | 3.1 | Company Information |  |
|  | 3.2 | Company Profile |  |
| 4 | Existing System | |  |
| 5 | New System | |  |
|  | 5.1 | Need for the New System |  |
|  | 5.2 | Objective for the New System |  |
| 6 | Tools & Technology | |  |
|  | 6.1 | Hardware Requirement |  |
|  | 6.2 | Software Requirement |  |
| 7 | Feasibility Study | |  |
| 8 | Targeted Users | |  |
| 9 | Unified Modelling Language (UML) | |  |
|  | 9.1 | Use Case Diagram |  |
|  | 9.2 | Activity Diagram |  |
|  | 9.3 | Continuity Diagram |  |
|  | 9.4 | Class Diagram |  |
| 10 | Data Dictionary | |  |
| 11 | Entity Relationship Diagram (ERD: Crow’s Foot) | |  |
| 12 | Conclusion | |  |
| 13 | Bibliography | |  |
| 14 | Salutation | |  |

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| 1. Introduction | | | |
|  |  | This project aims to promote identification and implementation of environmentally sound technologies (ESTs) for the elements of OECS including collection, segregation, transportation, treatment, disposal, and recovery and recycle. OECS covers all types of e-wastes in an integrative manner from all the waste sources including WEEE/E-waste from domestic/municipal and industrial sources. As a part of Online E-waste Collection System, is focusing on electronic waste (WEEE/ E-waste) management. This work will complement the work being done, globally and regionally, on WEEE/E-waste by secretariats of multilateral environmental agreements, in particular the Secretariat of the Basel Convention (SBC). |  |
|  |  | Online E-waste Collection System (OECS) is used for the collection of the electronic waste material from the customer, local collector, so on. The customer can define the details about which type of waste is having. The customer can get the money by giving the waste material. Online E-waste Collection System is for deplorers and recycling it in the company |  |

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| 1. Project Information | | | |
|  | 2.1 | Project Definition: |  |
|  |  | This is to certify that below students of **Lokmanya College of Computer Application** are working on project title “**E-plastic Web-Site”** using Python with Django at our company under our guidance and supervision. |  |
|  | 2.2 | Project Profile: |  |
|  |  | Plastic collector can update User’s request. after updating request User can see their request. |  |
|  |  | User get the notification (by the mail) from the Plastic collector. |  |
|  |  | Plastic collector submits Plastic to the company. |  |
|  |  | Then recycle this plastic. |  |
|  |  | After recycle product will be sell online. |  |
|  | 2.3 | Program definition: |  |
|  |  | The User send the request for the collecting the Plastic to the Plastic collector |  |
|  |  | Plastic collector pays some money for the Plastic pr kg to the User. |  |
|  |  | User see the time slot and price list pr kg from Company side. |  |
|  |  | Recycling product will be selling online. customer will buy this product. |  |
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| 1. Company Details | | | |
|  | 3.1 | Company’s Information: |  |
|  |  | Name: TOPS Technologies Pvt. Ltd. |  |
|  |  | E-mail ID: [inquiry@tops-int.com](mailto:inquiry@tops-int.com) |  |
|  |  | Website: [www.tops-int.com](http://www.tops-int.com) |  |
|  |  | Address: 05, 3rd EYE -905 Samedh Complex,  Chimanlal Girdharlal Rd,  Ellisbridge, Ahmedabad,  Gujarat 380009, India |  |
|  |  | Contact: +91 9015909190  +91 9974755006 |  |
|  | 3.2 | Company Profile: |  |
|  |  | TOPS Technologies is one of the largest IT Training and Finishing Schools with expertise in ASP.Net Training, PHP Training, Java Training, iPhone Training, Android Training, Software Testing Training, SEO Training, Web Design Training. We started the training division to become a bridge between the skills required by the best IT companies require and the talent created by Engineering, BCA, MCA colleges. As an IT Finishing school, we are one of the largest and Best placement generators in the Software Development sector placing over 1000 students at various IT companies across Gujarat and India. As one of the largest Software Development company in Gujarat, we have also been accorded the Microsoft Silver Learning Partnership by Microsoft Corporation. |  |

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| 1. Existing System | | | |
|  |  | The existing system has one ways of plastic collection system. |  |
|  |  | The plastic collection system is offline which is done by the government. |  |
|  |  | The plastic is sent to the garbage factories for the deployment of the plastic. |  |
|  |  | The Environment pollution will reduce and the electronic plastic will recycle or deployed. |  |
|  |  | This technique could eliminate plastic disposal costs, reduce raw material costs and provide income from a salable garbage. |  |

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| 1. New System | | | |
|  | 5.1 | Need for New System: |  |
|  |  | The e –plastic system is online plastic collection website. |  |
|  |  | We will collect plastic from user which will be further recycled. |  |
|  |  | The plastic will be used in the making new product and company can use the recycling product for new product. |  |
|  |  | The goals of the system are:   * + To provide decided time and place service for the customer.   + To reuse plastic by recycling.   + To decrease the plastic material from household. |  |
|  | 5.2 | Objective for the New System: |  |
|  |  | E-plastic System will be recycling of the plastic material by using latest system for clients. |  |
|  |  | Help in the improvement of standards, terminology equipment’s methods and implementation practices in the field of Online E-plastic System. |  |
|  |  | Online E-plastic Collection System amongst clients for awareness and recycling of the plastic material by using latest system. |  |
|  |  | Online E-plastic System including policy, collection, transportation and treatment in a city/ geographical area. |  |
|  |  | Encourage and promote the development and progress of Online E-plastic System towards achieving in the field of computer sciences and technology for Theater applications both for recycling and deployment of electronic plastic. |  |

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| 1. **Tools and Technologies** | | | |
|  | 6.1 | Hardware Requirements |  |
|  |  | Client Side: |  |
|  |  | Windows XP onwards |  |
|  |  | RAM: 512MB |  |
|  |  | Hard Disk: 1 GB |  |
|  |  | Processor: 1.0GHz |  |
|  |  |  |  |
|  |  | Server Side: |  |
|  |  | Windows XP onwards |  |
|  |  | RAM: 1GB |  |
|  |  | Hard Disk: 3GB |  |
|  |  | Processor: 2.0GHz |  |
|  |  |  |  |
|  | 6.2 | Software Requirements |  |
|  |  | Client Side: |  |
|  |  | Web Browsers: IE, IE8, Mozilla Firefox, Chrome, Opera |  |
|  |  | Operating Systems: Windows, Mac OS, Linux |  |
|  |  |  |  |
|  |  | Server Side: |  |
|  |  | Web Server: IIS 7.5 |  |
|  |  | Framework: PHP, MySQL |  |
|  |  | Database Server: MS SQL Server 2008 |  |
|  |  | Web Browsers: IE, IE8, Mozilla Firefox, Chrome, Opera |  |
|  |  | Operating System: Window Server 2007 |  |

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| 1. Feasibility Study | | | |
|  |  | Whenever we design a new system, normally the management will ask for a feasibility report of the new system. The management wants to know the technicalities and cost involved in creation of new system. |  |
|  |  | Following types are describe:   * + Technical feasibility: - Technical feasibility involves Collection of E-waste Collection to establish the technical capability of the system being created to accomplish all requirements to the user. The system should be capable of handling the proposed volume of data and provide users and operating environment to increase their efficiency. For example, system should be capable of handling the proposed volume of data and provide users.   + Economic feasibility: - Economic feasibility involves E-waste Collection to establish the cost benefit analysis. Money spent on the system must be recorded in the form of benefit from the system. The benefits are of two types: |  |

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| 1. Targeted Users: | | | |
|  |  | Company   * + Company can manage profile.   + Company can manage garbage collector.   + Company can manage User.   + Company can manage category.   + Company can manage product.   + Company can manage order.   + Company can manage feedback.   + Company can manage payment details. |  |
|  |  | Garbage collector   * + Garbage collector can collect the garbage   + Garbage collector can view pending request.   + Garbage collector can pay money for garbage.   + Garbage collector can update the request.   + Garbage collector can submit garbage to company. |  |
|  |  | Customer   * + User can send request for garbage to garbage collector.   + User can cancel the request.   + User can view status of request.   + User can get money. Ø User can view category.   + User can view product. Ø User can buy product.   + User can add product to the add to cart.   + User can give payment.   + User can give feedback. |  |

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| 1. Unified Modelling Language (UML) | | | |
| 9.1 | | Use Case Diagram: |  |
|  |  | Admin |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Recycling Company |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Plastic Collector |  |
|  |  | Customer | x |

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| --- | --- | --- |
| 9.2 | Activity Diagram: |  |
|  | Admin |  |
|  | Recycling Company |  |
|  | Plastic Collector |  |
|  | Customer |  |
| 9.3 | Continuity Diagram |  |
| 9.4 | Class Diagram |  |
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