

Executive Summary of the UGC Minor Research Project

- **Title of the Project:** “Systematic survey and experimentations to establish e-waste management centre in Modern College, Shivajinagar, Pune-5”.
- **UGC APPROVAL LETTER NO. AND DATE F.:** _No F. 47-1107/14 (General/104/ WRO) XII Plan Date 30 March 2017
- **DATE OF IMPLEMENTATION :** 31 March 2017
- **TENURE OF THE PROJECT:** 31 March 2017 to March 2019. (Two Years.)
- **TOTAL GRANT ALLOCATED :** Rs. 2,30,000/-
- **TOTAL GRANT RECEIVED :** Rs. 1,40,000/-
- **OBJECTIVES OF THE PROJECT :**
Our objective in this project is to focus; but not restricted to; on following e-waste related aspects:
Basically the project focuses on ‘e-waste Management’. The details are as below.
 - i) To understand e-waste.
 - ii) Importance of e-waste Management.
 - iii) Survey for knowing current scenario regarding e-waste management.
 - iv) To convey social message of e-waste management by involving NGOs and Government bodies related to e-waste management in and around Pune.
 - v) to establish e-waste collection and management centre in our college.
- **OBJECTIVES ACHIEVED :**
As the topic of e-waste is considered from 2012-13 for study at Department of Electronic Science, the focus was on detailed study of it and establishment of e-waste management center at the college level. Understanding –waste, importance of e-waste management, survey, social awareness and e-waste collection center are the achievements of this minor research project.
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- **ACHIEVEMENTS FROM THE PROJECT :**
Major achievement from the project work understands of e-waste among the students and common peoples. Also importance of e-waste management considering environmental protection as well as social aspects were enlighten through this project work. Research paper work at National Conference and International conference, and published in proceedings. Details are attached in bounded report.
- **SUMMARY OF THE FINDINGS :**
The project work actually started in June 2013 and after getting financial assistance through UGC minor research scheme progressed well. But due to delay in proposal and implementation the research work progress is slow. But the proposed goal of establishment of e-waste management center is initiated with collaboration with Pune Municipal Corporation. Currently we collect e-waste at department of Electronic Science and dispose it through Pune Municipal Corporation. Research paper work at National Conference and International conference, and published in proceedings. Details are attached in bounded report.

- **CONTRIBUTION TO THE SOCIETY:**

As far as environment affected by e-waste will be lower down due to awareness Champaign by our department in rural as well as in urban areas. Survey through questioner reflects policies to be adopted for e-waste management particularly wit mobile phones. The thumb rule 3-R i.e. Reduce , Repair , Reuse for e-waste management was incorporated among students and communities .

One more contribution is repair maintenance for use of discarded mobiles for particular applications like for e-learning in schools , photographs by using camera , for using Apps though the mobile is old and damaged physically.

- **NO. OF PUBLICATIONS OUT OF THE PROJECT :**

Total Five at National , International conference level and published in proceedings. Copies attached.

Prof. S.R.Chaudhari
(PRINCIPAL INVESTIGATOR)