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| **Title:** | Design and Development of E-Waste Monitoring, Segregation and Recycling System | | |
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| **Published Conference Name:** | 2023 3rd International Conference on Robotics, Electrical and Signal Processing Techniques (ICREST) | | |
| **Type of Publication:** | Conference | | |
| **Volume:** |  | Issue |  |
| **Publisher:** | IEEE | | |
| **Publication Date:** | Mar 21, 2023 | | |
| **ISBN:** | 979-8-3503-4644-2 | | |
| **DOI:** | 10.1109/ICREST57604.2023.10070081 | | |
| **URL:** | https://ieeexplore.ieee.org/document/10070081 | | |
| **Other Related Info.:** |  | | |
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| **Abstract:** |  |
| Electronic waste is increasing rapidly every year as the use of electronic devices grows. In Bangladesh, people are not that aware of the consequences of e-waste. This paper represents the design and implementation of e-waste detection, sorting, and segregation. The sorted e-waste goes through a segregation process so that it can be recycled. This paper also shows a digital e-waste collection system through a website. A conveyor is designed and implemented to detect electronic waste automatically and collect both e-waste and other waste. Following collection, the sorted waste will go through a shredding process in which the e-waste will be shredded to extract reusable materials from the waste. A website is also being developed to introduce a new way of doing e-waste collection and monitoring. Finally, a new method of e-waste management is designed and implemented that is compared with the typical method of waste management in Bangladesh. | |