

# Scrapify- Digital Solution for Efficient Scrap Collection

**Natnael Tamirat<sup>1</sup>, Shreyas Ambhaikar<sup>2</sup>, Abhinav Patil<sup>3</sup>, Neha Bisen<sup>4</sup>, Prof. Anuradha Joshi<sup>5</sup>**  
Students, Computer Science and Engineering<sup>1,2,3,4</sup>  
Faculty, Computer Science and Engineering<sup>5</sup>  
G H Raisoni College of Engineering, Nagpur, Maharashtra, India

**Abstract:** *In the traditional method, purchasing and selling scrap materials manually is a complicated process. The customer has to visit the shop or wait for the ragmen for selling the items, because of this the customer can't compare prices with the other ragmen and only a limited of them visits in your area. So, it is quite time-consuming for selling scrap/waste materials. We are developing an Online platform to reduce the communication difficulty between Customers and Scrap Dealers. This Web app allows the scrap dealer and customer to buy/sell scrap materials online. They can view the contents at any time. It analyses the full the details of buyer or seller to verify the authenticity. The clients can advertise their scrap/waste by sitting at home, large quantities can be sold and it is a user-friendly Interface.*

**Keywords:** Scrap Collector, Ragmen, Android Application, E-waste, Whole seller, Recycling Companies

## REFERENCES

- [1]. Dworak, S., & Fellner, J. (2021). Steel scrap generation in the EU-28 since 1946 – Sources and composition. Resources, Conservation and Recycling, 173, 105692.
- [2]. Ali, S. M., & Ahmad, M. T. (2015). Scope and impact of android application in education sector. Chronicle of the Neville Wadia Institute of Management Studies & Research, 284-290.
- [3]. Finkle, T. A., & Olsen, T. (2019). Entrepreneurship in the Digital Era: Creating Your Own Online Business. Entrepreneurship Education and Pedagogy, 251512741882068. doi:10.1177/2515127418820680
- [4]. Hartmann, C. (2018). Waste picker livelihoods and inclusive neoliberal municipal solid waste management policies: The case of the La Chureca garbage dump site in Managua, Nicaragua. Waste Management, 71, 565–577. doi:10.1016/j.wasman.2017.10.008
- [5]. Peterson, J., & Hughes, S. (2017). Governing garbage: Advancing urban sustainability in the context of private service delivery. Cities, 70, 46–54. doi:10.1016/j.cities.2017.06.008
- [6]. Birkbeck, C. (1978). Self-employed Proletarians in an informal factory: The case of Cali's garbage dump. World Development, 6(9-10), 1173–1185. doi:10.1016/0305-750x(78)90071-2
- [7]. Suruliraj, Banuchitra & Olagunju, Tolulope & Nkwo, Makuochi & Orji, Rita. (2020). Bota: A Personalized Persuasive Mobile App for Sustainable Waste Management.
- [8]. Zimring, Carl A. Cash for your trash: Scrap recycling in America. Rutgers University Press, 2005.
- [9]. Lad, D. K., & Jaybhaye, K. R. (n.d.). Proteus Journal. E-Commerce Platform for Selling and Buying Industrial Scrap as Raw Material. <https://doi.org/10.37896/pj>
- [10]. Mr. Murugadoss k panneerselvam "Mobile commerce – a mode of modern business", Asia Pacific Journal of Marketing and Management, July(2013).
- [11]. Kahhat, Ramzy, et al. "Exploring e-waste management systems in the United States." Resources, conservation and recycling 52.7 (2008): 955- 964.
- [12]. Hull, Isabel V. "A Scrap of Paper." A Scrap of Paper. Cornell University Press, 2014.
- [13]. Lee, Ching-Hwa, et al. "An overview of recycling and treatment of scrap computers." Journal of hazardous materials 114.1-3 (2004): 93-100
- [14]. ZIMRING, CARL A. "Rags and Old Iron." In Cash For Your Trash: Scrap Recycling in America, 12–36. Rutgers University Press, 2005. <http://www.jstor.org/stable/j.ctt5hj417.5>.
- [15]. ZIMRING, CARL A. "It's Not Easy Being Green." In Cash For Your Trash: Scrap Recycling in America,

131–62. Rutgers University Press, 2005. <http://www.jstor.org/stable/j.ctt5hj417.10>.

- [16]. Wang, J., Hu, Z., Bi, S., Zhang, Z., Wang, J., Liu, B., & Chen, Y. (2020). A simple garbage bin design for garbage classification and recycling. 2020 3rd World Conference on Mechanical Engineering and Intelligent Manufacturing (WCMEIM). doi:10.1109/wcmeim52463.2020.0017