## IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 10, May 2023

## Design and Implementation of River Water Cleaning Machine

Mr. Chandan R P<sup>1</sup>, Basavaraj P Battikoppa<sup>2</sup>, Mr. Gurukiran Nayaka M<sup>3</sup>, Mr. Prathap H M<sup>4</sup>, Prof. Namratha D'cruz<sup>5</sup>

Assistant Professor, Department of Electronics and Communication Engineering<sup>1,2,3,4</sup> Assistant Professor, Department of Electronics and Communication Engineering<sup>5</sup> Vidya Vikas Institute of Engineering and Technology, Mysuru, Karnataka, India

**Abstract:** Water is a basic need for all living beings, it is important to maintain the cleanliness and hygiene of water. Water gets polluted due to many reasons such as waste from industry, garbage waste, sewage waste, etc. Most of the time, the water bodies are cleaned manually with human labor which requires a lot of time and cost. Hence there is a need to incorporate technology such that cleaning work is done efficiently and effectively and human intervention is minimum. The proposed system is a remotely controlled robot that collects surface water trash and the collected waste can be easily disposed. The system effectively cleans wastes found in rivers and lakes such as plastic wastes, garlands, bottles, and other wastes found floating on water.

Keywords: Sentitment analysis;

## REFERENCES

- [1]. M. Mohamed Idris, M. Elamparthi, C. Manoj Kumar, Dr.N.Nithyavathy, Mr. K. Suganeswaran, Mr. S. Arunkumar, "Design and fabrication of river cleaning machine", IJETT Volume-45 Number2 -Jan 2019.
- [2]. Mr. P. M. Sirsat, Dr. I. A. Khan, Mr. P. V. Jadhav, Mr. P. T. Date, "Semi-Automated Wireless Beach Cleaning Robot Vehicle", IJCMES 2019 Special Issue-1 ISSN: 2455-5304
- [3]. Pankaj Singh Sirohi, Rahul Dev, Shubham Gautam, Vinay Kumar Singh, Saroj Kumar," Garbage Collection from Surface Water of River", IJIR Vol-3, Issue-4, 2019 ISSN: 2454-1362.
- [4]. Ndubuisi c. Daniels, "Remote Operated Floating River Cleaning Machine", IRJES) ISSN (Online) 2319-183X, Volume3, Issue 3(Apr 2019)
- [5]. Osiany Nurlansa, Dewi Anisa Istiqomah, and Mahendra Astu Sanggha Pawitra, "AGATOR (Automatic Garbage Collector) as Automatic Garbage Collector Robot Model" International Journal of Future Computer and Communication, Vol. 3, No. 5, October 2014.
- [6]. Asst. Prof. R. Raghavi, Varshini, L. Kemba Devi, "Water Surface Cleaning Robot", "International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering", Volume 8, Issue 3, March-2019, pp. 831-837.
- [7]. Prof. Khunt Sagar P, "Wireless DC Motor Speed and Directional Control using RF", "International Journal of Novel Research and Development", Volume 2, Issue 4, April-2017, pp. 1-8.
- [8]. Harsha Gopinath, Indu. V, Meher Madhu Dharmana, "Autonomous Underwater Inspection Robot under Disturbances", "International Conference on Circuits Power and Computing Technologies", 2017.

DOI: 10.48175/IJARSCT-10454

