



## **Kitchen Waste to Biogas -A Smart Energy**

**T. Preethi Rangamani\*, Y. Kalyan Sai and V. Sai Madhav**

P.V.P. Siddhartha Institute of Technology, Kanuru, Vijayawada, A.P, **INDIA**

Email: [coppisetty.preethi@gmail.com](mailto:coppisetty.preethi@gmail.com)

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### **ABSTRACT**

*Inadequate management of solid waste like uncontrolled dumping leads to several adverse effects like polluting the surface and ground water through leachate. It further promotes the breeding of flies, mosquitoes and other vector born diseases. Also, it leads to release of unpleasant odour and methane a major green house gas contributing to global warming. An attempt was made to manage the kitchen waste which is highly nutritive to microbes to synthesize methane by creating an eco-friendly and cost effective biogas plant especially in residential hostel's backyards.*

### **Graphical Abstract**



Experimental Setup

**Keywords:** Solid waste, Solid waste management, Biogas, Methane.

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