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A Project report on

"Power Generation by Sewage Water using Microbes"

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BACHELOR OF ENGINEERING

IN

ELECTRICAL AND ELECTRONICS

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ABSTRACT

Microbial Fuel Cell (MFC) is a device used to produce electricity by using micro organisms such as Escherichia coli, Agro bacterium tumefaciens, Pseudomonas syringea and Xanthomonas oryzae. It is a technology for continuous generation of electricity and waste water treatment. The experimental data shows the feasibility of power generation from waste water. In this technology the maximum power voltage of 1.1volts (11milliamps) was recorded at stable operating conditions.

Other than power generation the microbial fuel cell is used to remove substrates (COD and BOD) upto an extent of 68%.MFC is an eco-friendly device. This is a novel and advanced technology to generate power by treating urban waste water.