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CE8811- PROJECT WORK

IV YEAR - VIII SEM



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**A CASE STUDY ON EFFLUENT TREATMENT PROCESS  
USING AAVIN DAIRY WASTE AT AMBATTUR**

**A PROJECT REPORT**

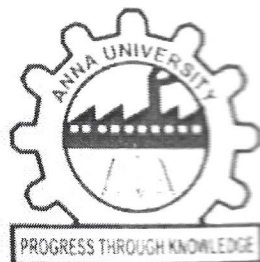
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**In partial fulfillment for the award of the  
Degree of  
BACHELOR OF ENGINEERING  
IN  
CIVIL ENGINEERING**



**T.J.S ENGINEERING COLLEGE**



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## BONAFIDE CERTIFICATE

Certified that this project report "A CASE STUDY ON EFFLUENT TREATMENT PROCESS USING AAVIN DAIRY WASTE AT AMBATTUR" is the bonafide work of DEEPIKA.M , DIVAKAR.S and SEKAR.S who carried out the project work under my supervision.

  
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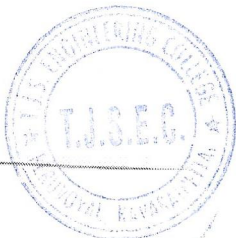
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## ABSTRACT

Dairy industry is among the most polluting of the food industries in regard to its large water consumption. Dairy is one of the major industries causing water pollution. Considering the increased milk demand, the dairy industry in India is expected to grow rapidly and have the waste generation and related environmental problems are also assumed increased importance. Poorly treated wastewater with high level of pollutants caused by poor design, operation or treatment systems creates major environmental problems when discharged to the surface land or water. Various operations in a dairy industry may include pasteurization, cream, cheese, milk powder, etc. The dairy industry handles large volumes of milk and the major waste material from processing is the water. The water removed from the milk can contain considerable amounts of organic milk products and minerals. In addition cleaning of plant, results in caustic wastewater. This review article discusses the impact of wastewater released in the environment, methods to minimize the amount of both the organic and inorganic material in the wastewater and waste water treatment.

Tamilnadu cooperative milk producers federation limited, Madhavaram milk colony, the installed capacity of dairy was originally 50,000 liters/day which was increased stage by stage to 2.00 lakh liters/day and at present it is equipped to pack and dispatch 3.5 lakhs liters of milk per day, the effluent produce from these are 4.5 LLPD, in fact a survey made by environmental protection agency in 1999.

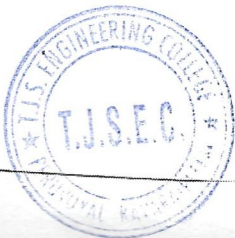


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