

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**"Jnana Sangama", Belgaum**



**(Academic Year 2011-12)**

**A Project Report on**

**"CHARACTERIZATION OF BLEACHING EFFLUENTS AND  
THEIR TREATMENTS"**

**(Sponsored by Karnataka State Council for Science and Technology)**

**Submitted in partial fulfillment of the degree in chemical engineering**

**BACHELOR OF ENGINEERING**

**IN**

**CHEMICAL ENGINEERING**

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## **ABSTRACT**

The characteristics and composition of plant effluent is like trying to hit a moving target whose speed is increasing exponentially the rapid changes which have recently occurred have led to the appearance of large number of publications in which general effluent characteristics are reported particularly the amount of absorbable organic halogen (AOX) but little is known about effluent composition in terms of individual compounds.

It includes the measurement of the following parameters, color, odour, temp. BOD, COD, TDS, TS, TSS, pH, Chlorides, Turbidity, conductivity etc. This effluent when discharged untreated will damage the water course and the color in the water persist for a long distance. That's why it is necessary to treat this effluent properly before discharge.

The aim of the present study is to analyze the effluent from different industries and recommendation of the economical, viable treatment methods for respective industrial effluents.

Therefore, It is necessary to treat the waste water, prior to disposal an analysis of the Physico -chemical parameters of effluent is important in almost all aquatic pollution studies in order to evaluate the impact on the water bodies.