PROJECT TITLE NAME

A Mini Project Report

In Partial Fulfilment of the Requirement for Award of Degree of

Bachelor of Technology of the 2nd Year in Chemical Engineering

Submitted By

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CERTIFICATE

Certified that the Major Project Report entitled ***"Bioplastic Production FromCorn Starch"*** submitted by AKSHAT RAI of B.Tech. 4th Semester, in partial fulfillment of the requirements for the award of degree in Bachelor of Technology (B. Tech) in Chemical Engineering, is according to the students their own investigation carried out by them in the Department of Chemical Engineering, School of Studies of Engineering & Technology, GGV, during the session 2024-25.

7.5.25

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ABSTRACT

For food packaging plastics are generally used. Raw materials having good mechanical properties, cheap, light weight and simple in the manufacturing process are used for polymers and plastics. Whereas the many plastics are not easily biodegradable. Therefore, innovators and other communities are worried to overcome the problems occurring due to non-biodegradable plastics which is making an adverse effect on the environment, so the more emphasis is given to produce the biodegradable plastic for day to day needs use. So, bioplastics are the mostly demanded and required entity because they are generally biodegradable, and using natural resources and will reduce the environmental pollution. To manufacture bioplastic starch based material is mostly used. Due to it added natural fibres increases the strength of bioplastic and better degradation process of the bioplastic in soil. The additional properties of bioplastic like, tensile strength, stiffness, capacity to be used for purposes are the more advantageous. In this paper process of corn starch bioplastic, its characteristic study and its better possibilities of degradation due to corn starch biodegradable plastic with natural fibre are described. Which