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Design and Development of Corn Thresher Machine for Agriculture Purpose

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Abstract: *Designed to improve the efficiency and speed of corn thresher machines Addressing the labor-intensive and time-consuming nature of separating corn kernels from cobs Manual threshing. This machine uses a mechanical system driven by an electric motor to automate the threshing process. Main components include threshing drum, sieve, motor, and a frame to support the structure. A motor drives the drum, which removes the kernel The corn passes through the cobs, while the sieve helps separate the kernels from the chaff and Husks.*

The primary objectives of the project are to increase productivity, reduce physical Increasing the required effort and production capacity from the operator. The machine is designed with Keep in mind the simplicity, making it small and convenient to ensure ease of operation and maintenance a middle class farmer. A motorized corn thresher aims to provide a cost-effective solution Improving post-harvest processing and contributing to agricultural efficiency in rural areas.

Keywords: Strong materials ensure adjustable drum speed, easy mobility and durability in a harsh working environment. A motorized corn thresher machine has the capacity Increasing farmers' income by reducing processing time and labor costs loss of grain during threshing

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