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Automatic Sugarcane Bud Cutting Machine

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Abstract: *Sugarcane is a widely grown crop in India. It has been a large source of income for many farmers. India is one of the largest sugarcane producers in the world, which produces around 300 million tons of sugarcane per annum. The production of sugarcane is the second largest agro-processing industry in India, after cotton and textile industries. In India there are more than 566 sugar mills. About 4 million sugarcane farmers and many agricultural laborers are involved in the sugarcane cultivation and ancillary activities, which constitutes 7.5% of the rural labour force. We are trying to provide a solution by making a cheap system which has the capability to cut the sugarcane into buds. The idea behind this project is to reduce human effort required for bud cutting. This project involves the use of Chain Drive, Crank & Lever mechanism, Motor & Blade. With this system we can cut the sugarcane into buds.*

Keywords: Sugarcane Bud Cutting, Motor, Chain Drive, Blade, Crank & Lever Mechanism, Sugarcane, Human effort

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