

Department : **Mechanical**

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Guided By

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Project Title

**DESIGN AND ANALYSIS OF ROLLER CUTTING MACHINE IN
GINNING INDUSTRIES**

Abstract:

In ginning industries the most common problem is the roller, first of take away roller from gin machine and set on roller cutting machine, the motor is on base which is on sliding bearing so. when the motor is start with the help of high skilled labor the base is moving reciprocating so with this reciprocating moment the spiral cut is going on roller and it is totally manual work and machine is stopped until roller is spiral so it is taking so much time with this process. this process stop works until roller is not get spiral. Although it is long process but is not accurate also and it required high skilled labor the time waste is different. After modified Design, Depth of cut is very accurate in spiral, the gap of spiral is very precious so that production rate is increase and the preparing time of roller is decrease because of automatic principal.

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