

Automatic Cattle Feeder

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Abstract: *The cattle need to be fed. It is a simple statement, but one that resonates with every cattle producer. To make this necessary task easier for farmers, the concept of automatic cattle feeding system came into existence. Automatic Cattle Feeding System is a robotic feeding system which consists of battery operated robotic system that is capable of feeding an equal amount of feed. The feed is manually loaded in the feeder. After the feed is mixed in the mixer, it falls onto the conveyer belt and follows a predetermined path until it reaches the last cattle in the fence. To ensure the precise, timely and adequate feeding of each cattle, this project is applicable in an agricultural country where the lack of manpower is there in cattle farming. Due to less man power there is an adverse effect on dairy production. The main objective is to design an automatic cattle feeding system that it moves around the fence to distribute the feed uniformly. With the application of following robotic system, remarkable changes can be brought to this field. The use of PIC microcontroller helped to control and switch off the whole system whenever there is any issue in the hardware. With the application of Automatic Cattle Feeding system uniformity and hygiene in feed distribution can be maintained.*

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