

DEVELOPMENT AND FABRICATION OF MULTIPURPOSE AGRICULTURAL MACHINE

Sowmya C Assistant professor

Suhas E

Preetham M

Tejus H S

Sagar K M

Dept. of Industrial and Production SJCE, JSS science and technology university Mysore, India

This project introduces a versatile agricultural machine capable of performing multiple tasks, including seed sieving, grass cutting, fertilizer spraying, and soil cultivation, all within a single unit. Powered by a single energy source, the machine is constructed using affordable, locally available materials to ensure durability. Its adjustable features allow it to adapt to different crop types and varying field conditions. Compact in size, the machine is easy to operate and transport, significantly reducing both time and labor. By combining several agricultural functions, it eliminates the need for multiple pieces of equipment. This innovation supports sustainable farming by lowering fuel usage and promoting efficient resource utilization. It is particularly beneficial for small to medium-scale farmers by cutting costs and boosting productivity. Overall, it fosters modern and eco-friendly farming practices.