



Destoning/Cleaning

Quality and **efficiency** of crop production is all an end user wants from the producers. Often, stones, twigs and other such unwanted items reduce the quality of the produce. The process of removing them is called destoning.

The **quality of produce** can be enhanced if it is properly cleaned and destoned. Finding labour to do this well has become a challenge. All kinds of produce including - rice, wheat, pulses, millets, etc. require this.

In general, using the difference of specific gravity and suspending speed between grains and stones, and by means of air stream passing up through space of grain kernels, the destoner separates stones from grains.

You are required to design a simple and easy to use cleaner and destoning machine, which requires less labour and is affordable by rural communities. The capability of grading would be an additional advantage.

Timeline

Idea Proposal (give a link to the Idea Proposal section)	January 10 th , 2016
Mentorship Kicks off! (give a link to the Mentorship section)	20 th January OR As soon as your idea is selected (whichever is earlier).
Submission of final report	7 th February, 2016
Presentation in Apogee, technical festival of BITS Pilani (give a link to the Presentation section)	February 25 th – 28 th , 2016
Implementation Phase (give a link to the Implementation section)	Based on the preferences of the organization (if providing an internship) and student