



Community level Food Processing

Almost all the food, feed, fibre and fuel commodities go through a number of post-harvest processing operations such as cleaning, grading, separation, drying, storage, milling, food processing, packaging, transport and marketing before it reaches the consumers.

Agricultural processing is directed towards conservation of produce and **value adding** to make the material more readily usable and economically more remunerative.

Rice hulling, oil pressing, pulse splitting, flour making, etc., - This is important as due to lack of this, farmers are forced sell their produce raw at low prices. Additionally, they have to buy food for their homes, as processing units are very far from villages.

You are thus required to design efficient processing units to performing such agro-processing tasks satisfying the following:

1. Runs on solar or other renewable sources
2. Based on DC motors
3. Is affordable by the villagers

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