

Grass root innovators seminar of GIAN on 15/07/2019

Many of the Innovators presented themselves with the product they wanted to take feedback on how they can be improved.

1. Cotton ball plucking machine.

2. Cotton seed removal machine.

3. Threading machine for oil lamp.

4. Ginger skin removal and polishing machine (25% of ginger goes to waste on over polishing as the machine can not remove evenly and vibration in oscillating arms with bamboo baskets. Manpower not available even for daily wage of Rs.100/- when compared to previous wages of Rs.25/-)

5. Haldi wastes generated between the table of the ginger process and ground. A swarf removal arm may help in this process.

6. One of the participants wanted to know if his product, a spring steel strip will be cost effective if these were made by a press tool? Now, the Laser cutting costs Rs.50/- per piece.

7. A farmer wanted to know the methods of saving 40% of the Gobar particles separated by the sieves that are at present being wasted. The mixture being spread to the fields by the drip irrigation methods.

8. One of the farmers wishes IGTR to develop to manufacture pumps which can draw water from borewells of 1000' deep.
(Already the submersible pumps exist to serve the purpose.)

9. A farmer who has developed the smallest possible mini tractor wanted IGTR to design and develop scientifically in consultation with any expert institute if not possible here. He wants to use the tractor to minimize the fuel consumption and take the tractor to hilly areas and unequal surface areas too.

10. One of the students of IIIT-Jabalpur wants to develop bending dies to fabricate the vehicle he has developed for use of differently abled people.

11. An oil container (Tin) for a farmer whose groundnut production is large in quantity. He wants to process and pack the oil packaging himself.

12. There are wastages while harvesting the groundnut with the application of machines. Certain quantity of produce remains in the fields itself. We need to provide some solution to the problem.

13. Wheat harvesting machines also make losses of grains in the fields.

14. One of the farmers has innovated a crematorium machine which shall be made to be used in every village by which the land use can be saved for agriculture. Forests can be saved.

Initially, Prof. Shri Anil Gupta, Founder of GIAN organization has delivered a speech to the innovators. He gave thrust to the scientific approach of designing products which shall be verified for strength, value addition, Ergonomics, Center of Gravity, load bearing during functioning, sensors to detect and give feedback information to close loop of communication, Noise free or lesser noise which are essentially to be learnt here as IGTR institute is of excellence in these areas.





