AGRO-AIDS FOR ONE ACRE PADDY FARMING







Project Partners | Project Guides

Isaac P. Kumaresan

Paulanthony B. K. Chakravarthy

Why Paddy ?

Thrice a year

May to November

[One more point]

P2 timeline

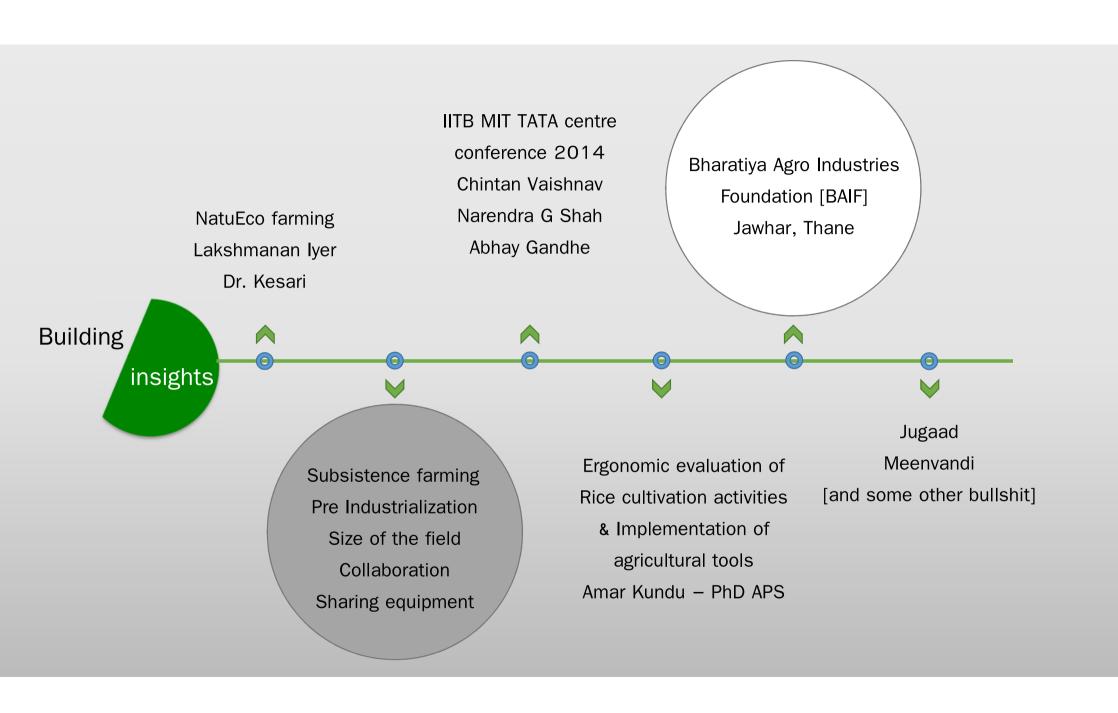
Feeds 50% world population

83 million hectares (?)

Cultivated across 13 states

Mostly east and south

Area of perpetual research





Land





Soil texture
Farm area / Terrain
Cluster farms
Dengachimet village
Accessibility / Bunds













Pellet Driver

Acceptance of new Technology

Threshing drum – motorized

Lives close to field

Co-operative farming

Collaboration with NGOs

Farmer

Traditional tools

Paddy –Storage space

Jasmine, Cashew

De-weeding by ploughing

Manual Cono weeder

Crops











Agar sab cheez karne ke liye ek machine hota tho

"

sahi hota. Kaam bhi aasan padega

Thukkaram [Paddy farmer]





Machinery for small farms

?

A machine easy to be carried around

Existent semi – automated machinery for large

farms that require ample space















Power source











Product language





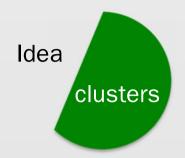


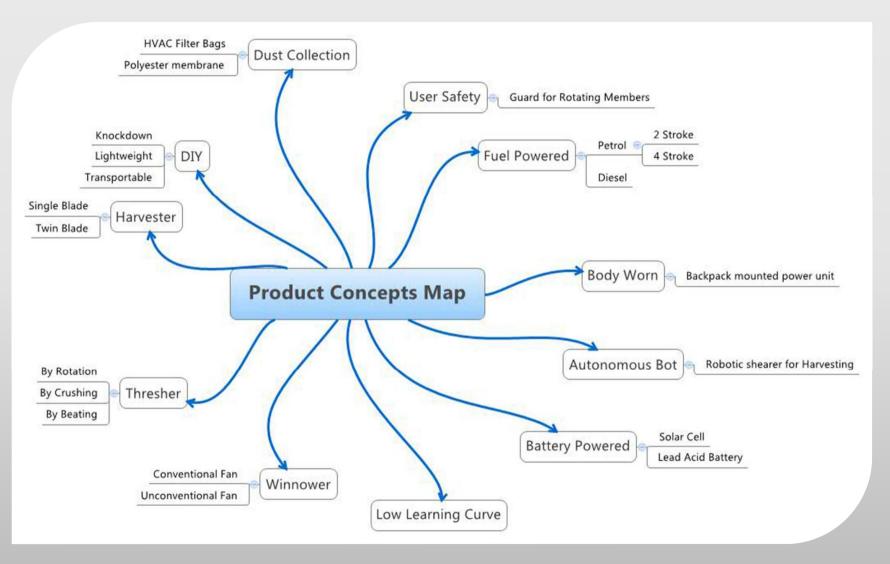




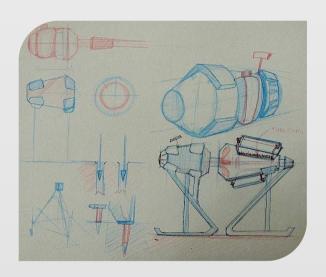
50 cc
Body worn
Highly manoeuvrable
Net weight 4 kg
Metal blade cutting end
0.6L capacity
0.4 Acre in 20 min

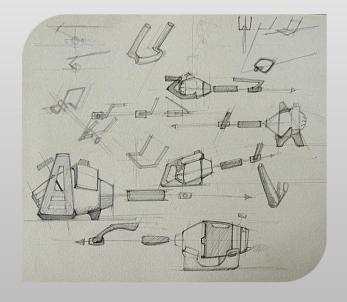
Paddy Harvester

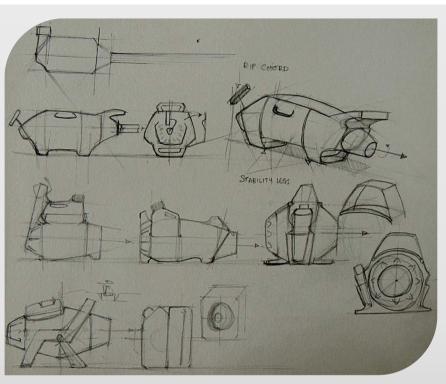


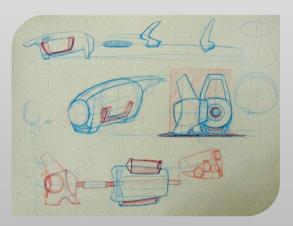


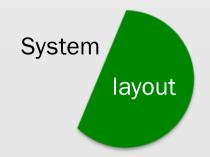


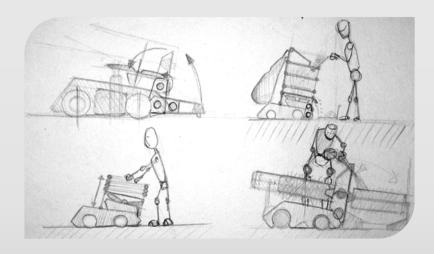


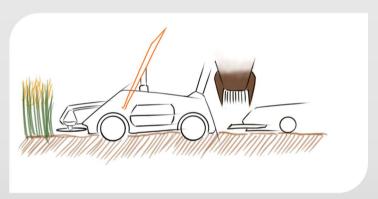


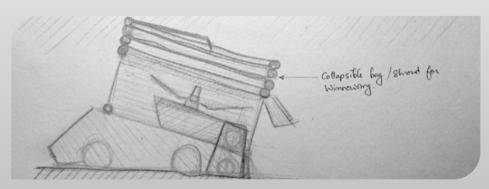


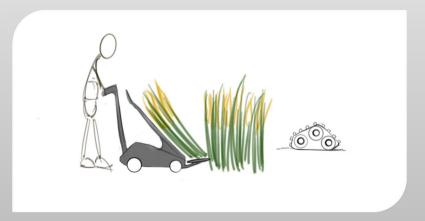


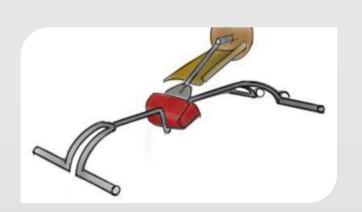


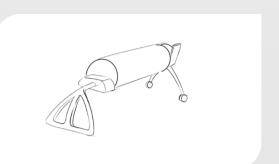


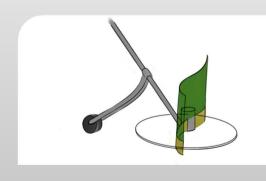


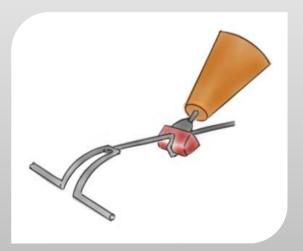




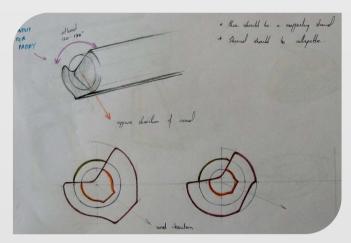




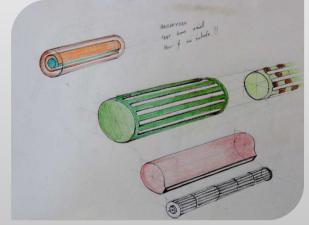






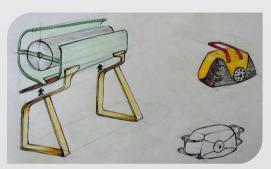


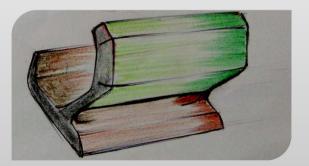


























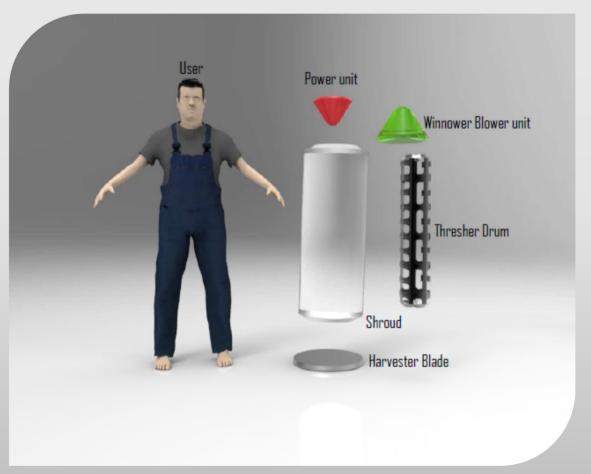












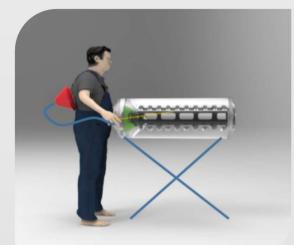
System into units
Product interaction

Pros: Manoeuvrability, Even Weight distribution

Cons:

User Fatigue - vibration and heat, Wear and tear of shaft





Pros:

Manoeuvrability, Even Weight distribution, Easy loading of paddy stalk

Cons:

Unstable Structure of Winnower and Threshing



Pros:

Rel. stable structure, Rel. efficient means of obtaining grains

Cons:

Manoeuvrability, Intimidating product appearance



Pros:

Manoeuvrability, Even Weight distribution, Easy loading of paddy stalk

Cons:

Vibration along the shaft, Maintenance of the power unit



















Threshing drum
Threshing profile
Axial fan blade
Kill switch
Imbalance