

**TEAM-09**

**Project:** Design a chemical container  
and  
packing for the drone drop

(1).NAME OF THE PROJECT:

Design a chemical container and packing for the drone Drop.

(2)Names of tea members and dept:

1. PAPITLA RAVI - CE
2. MOHAMMED ABDUL AZEEM - CS
3. G.JAYA SAI KRISHNA - ME
- 4.SURAJ CHAUHAN – EE

(3).Our solution idea:

Dropping container using parachute.

First of all I like to say why this design was made .  
we considered our product into three parts

First – base

Second-middle part (container)

Third- top part (parachute)

- 1) We used thermocol sheet for base to reduce the shock when it hits the ground and also to reduce the weight.
- 2) in middle part which is most important contains the pot with chemical liquid so to protect it we used sponge to cover its total surface area.
- 3) Top part is parachute it is major part that helps us in safe landing of container.

(4)The research we did and our resources :

mainly we took information from internet and clarified most of Our doubts. Also we took help from our seniors and faculty members Like Vivek sir, Anuradha mam.

Sources: Materials from Vivek sir., worked in innovation lab.

(5) Difficulties faced by us :

- 1) to drop it vertically.
- 2) not to break the pot.
- 3)chemical should not leak from pot.

4) We tried with propellers but it didn't work.

(6)How we overcame the difficulties:

1) We used parachute for safe and slow landing.

2) We used thermocol sheet for to absorb shock from hit so container is safe.

3) We used rubber and balloon to stop the leak from top of pot.

4) So,finally we used parachute.

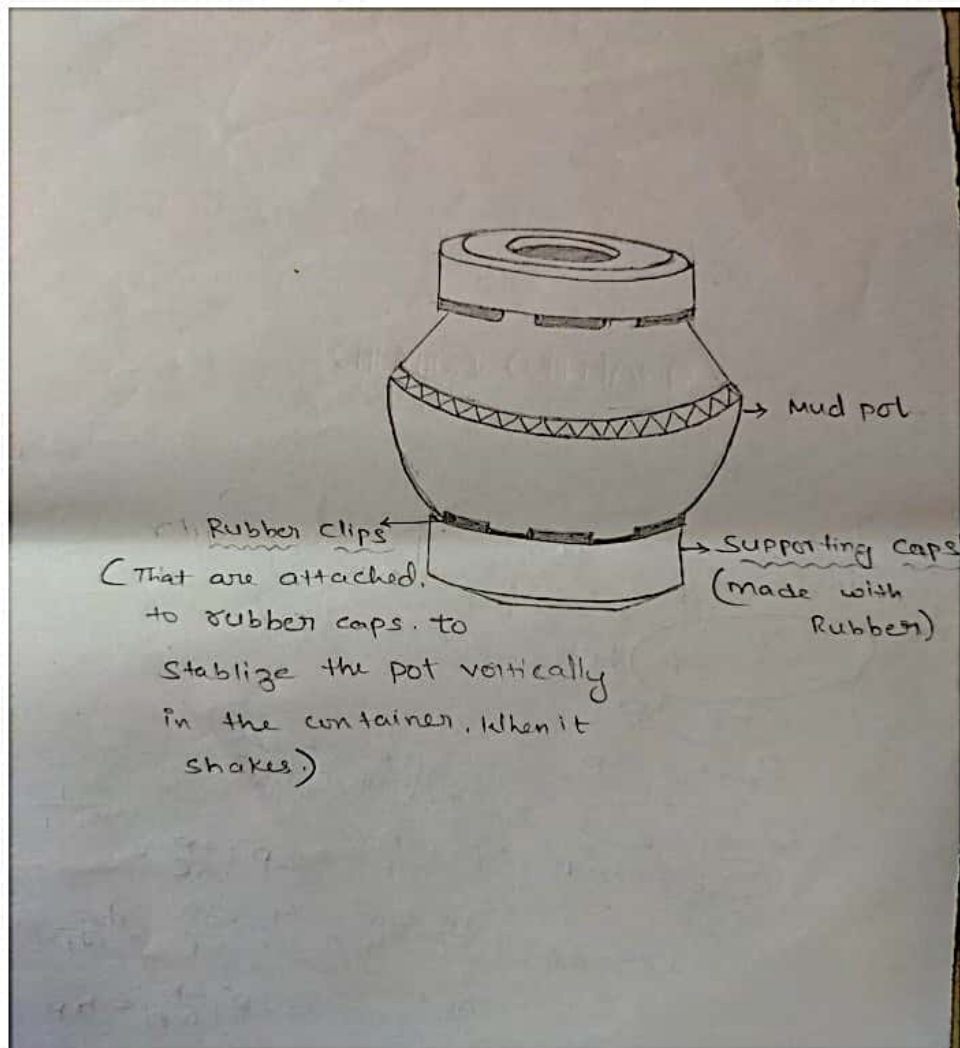
(8)What criteria it satisfies:

Mainly it may be used for emergency medical supplies, food supplies and drone deliveries.

(9)Future modifications for improvements:

Right now our product is sufficient with the given requirements but as the purpose changes we should reimagining its specs i.e. Shape, build quality, materials required.

## Previous ideas



New idea:

