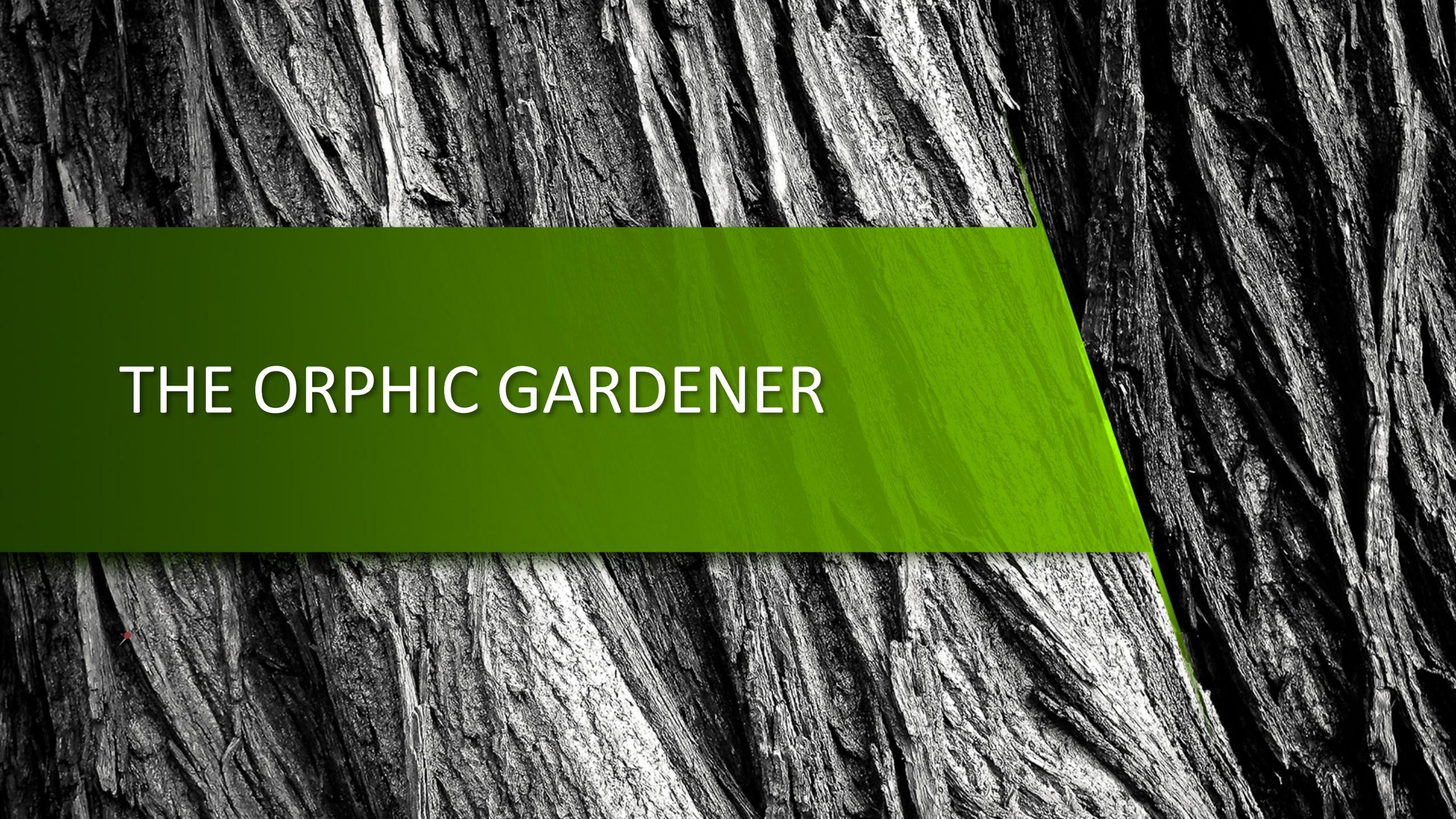


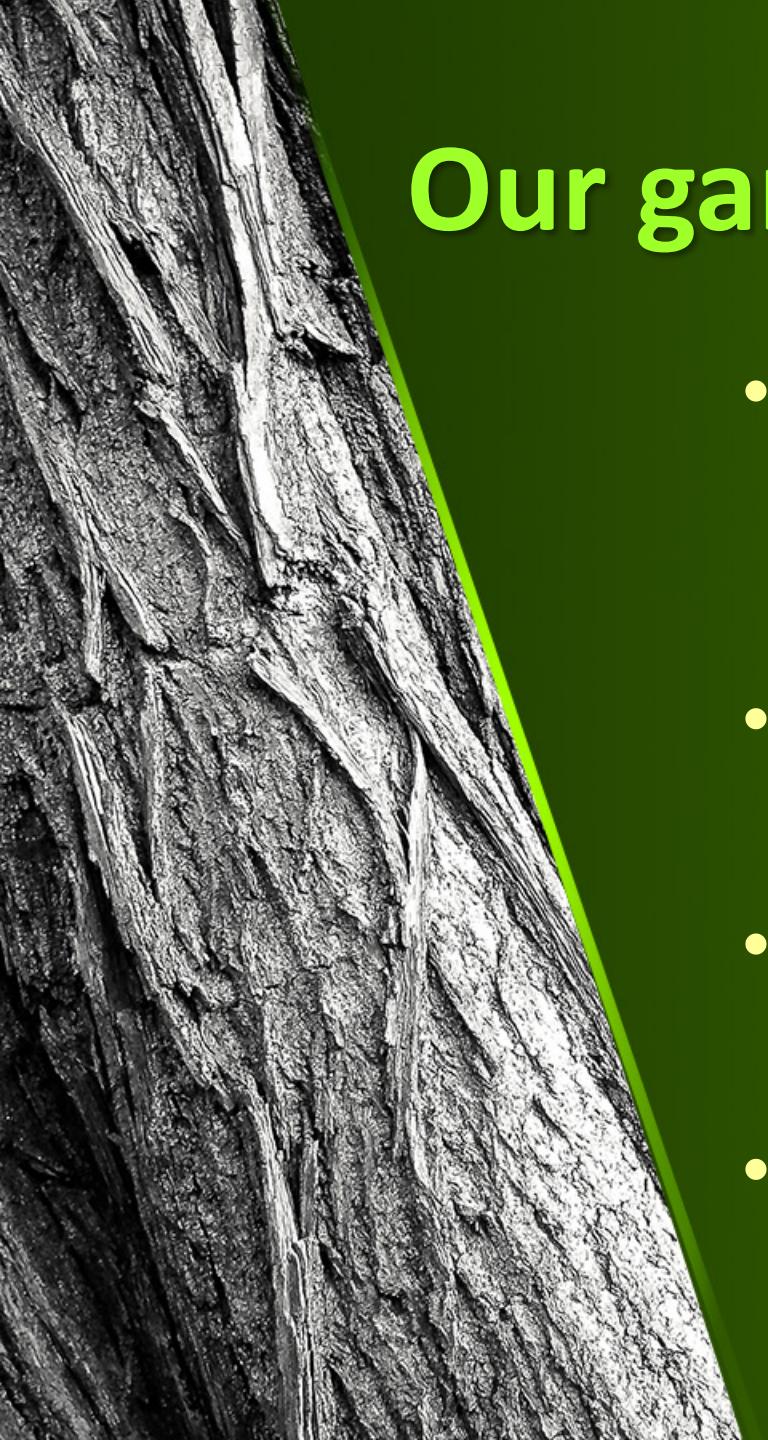
THE ORPHIC GARDENER



Why we came up with this idea ?

- A lot many plants are planted by the government through plantation drive but only 50-60% survive rest gets dry up.
- Main reason is lack of regularly watering...





Our gardener capabilities:

- Check the soil moisture and turn on the water pump automatically ,whenever the moisture decreases.
- Check the light intensity and provide artificial light if intensify decreases.
- Check humidity of the surrounding and displays it
- Play soothing music for the growth of the plants(tentative idea)

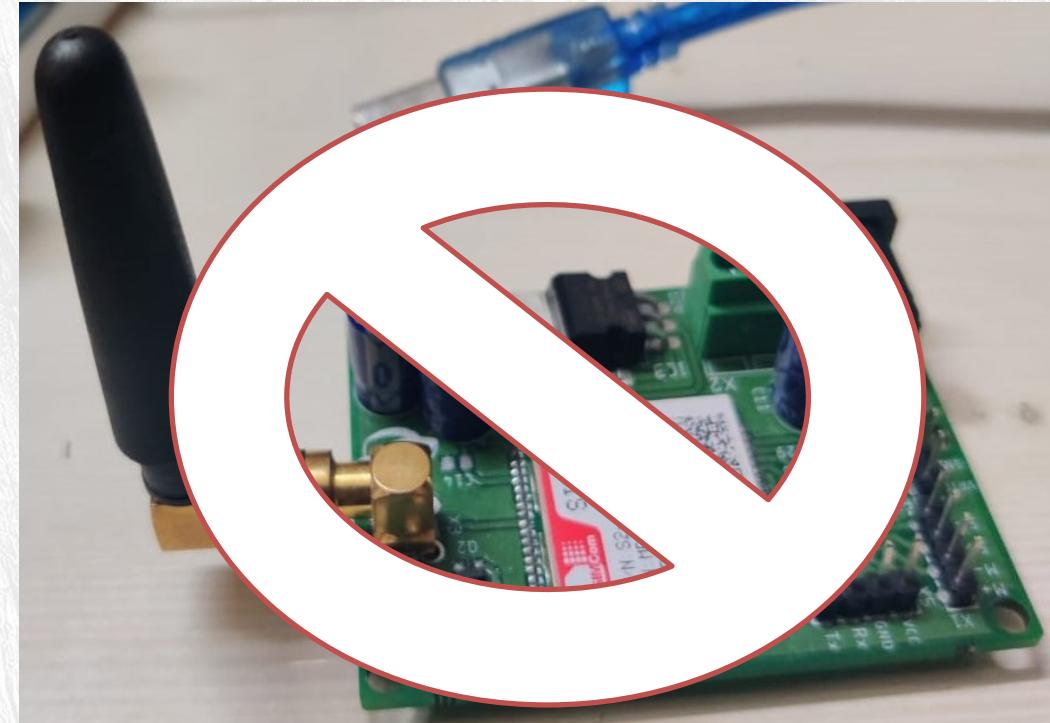


Uses:

- No more need to worry for your plants, our gardener takes care of them.
- Our gardener is completely automated and there is no need for any human intervention.
- Our gardener is very useful in farms, gardens, home etc.

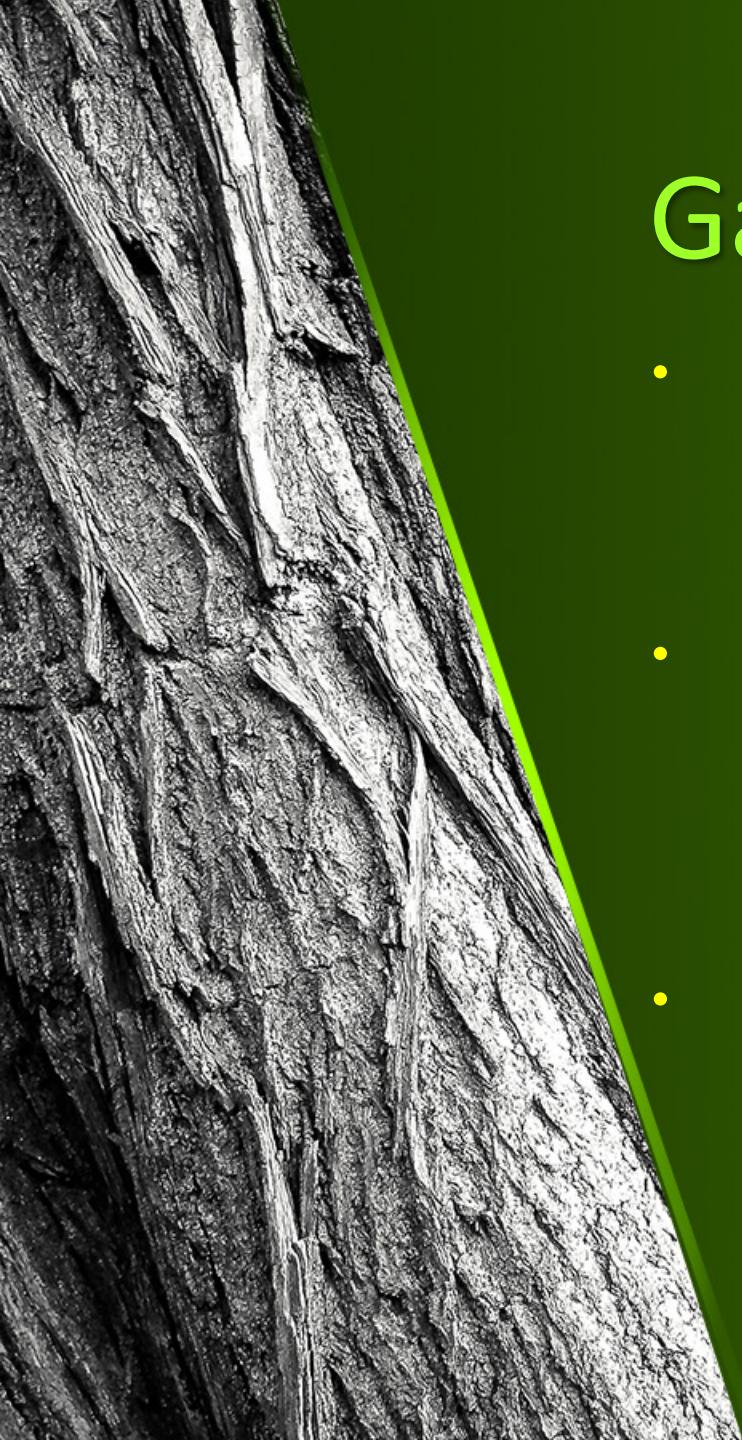
Failure along the path:

- Earlier, we thought to **send regular update** to the owner's phone number using **GSM module**. But unfortunately, our **GSM module didn't work**, so we have to show every update on the LCD itself.
- We also thought to **play music for plants** for soothing effect but, we lack the part to connect Arduino with speaker so, we aren't able to add that feature.



Our project

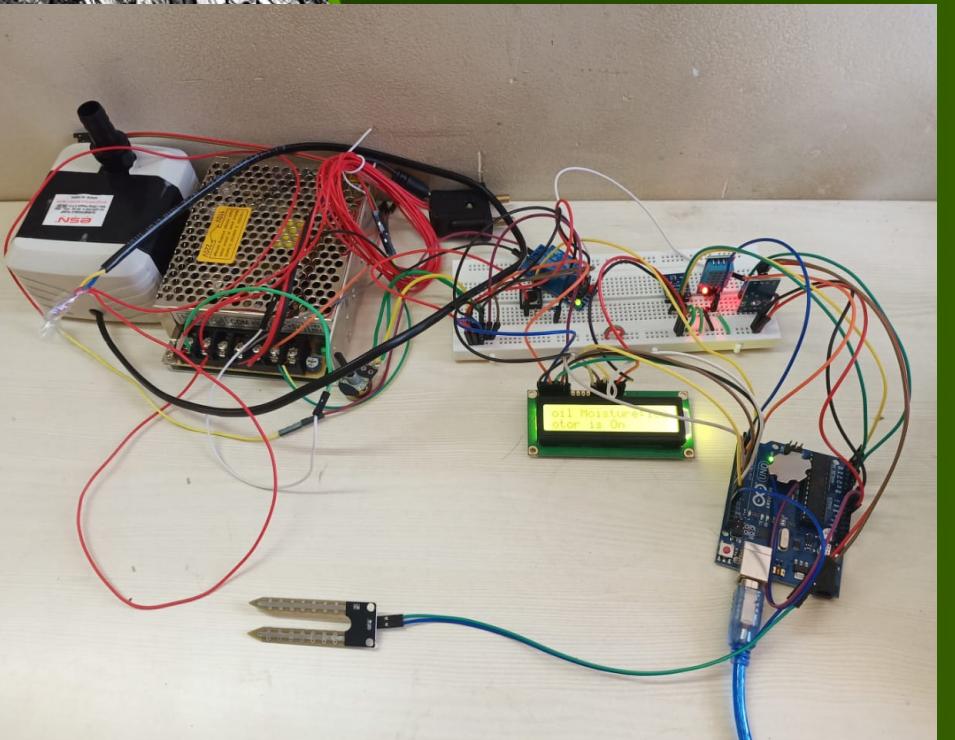




Gardener's extension:

- For using it in home, GSM module and soothing music for plants can be added to *keep the owner updated* and provide *good vibrations to plants* as well as people around them.
- We can add **security system**, using ultrasonic sensor and if something comes birds or anything then a arm like stick moves and tries to protect the plant if the threat remain for a longer time then it will send alert the owner.
- To use in a farm, it *can be made movable* so that it covers every area of the field and maintain the moisture level. We can also *add a cutter* to it, to use it in our gardens.

The art



The artists:

- Brijesh Aghav
- Shubam Agarwal
- Jai Goyal
- Akhilesh Dixit
- Shreya Khadkekar
- Ronak Devda



Thank you