

LIGHT FIDELITY (LiFi)

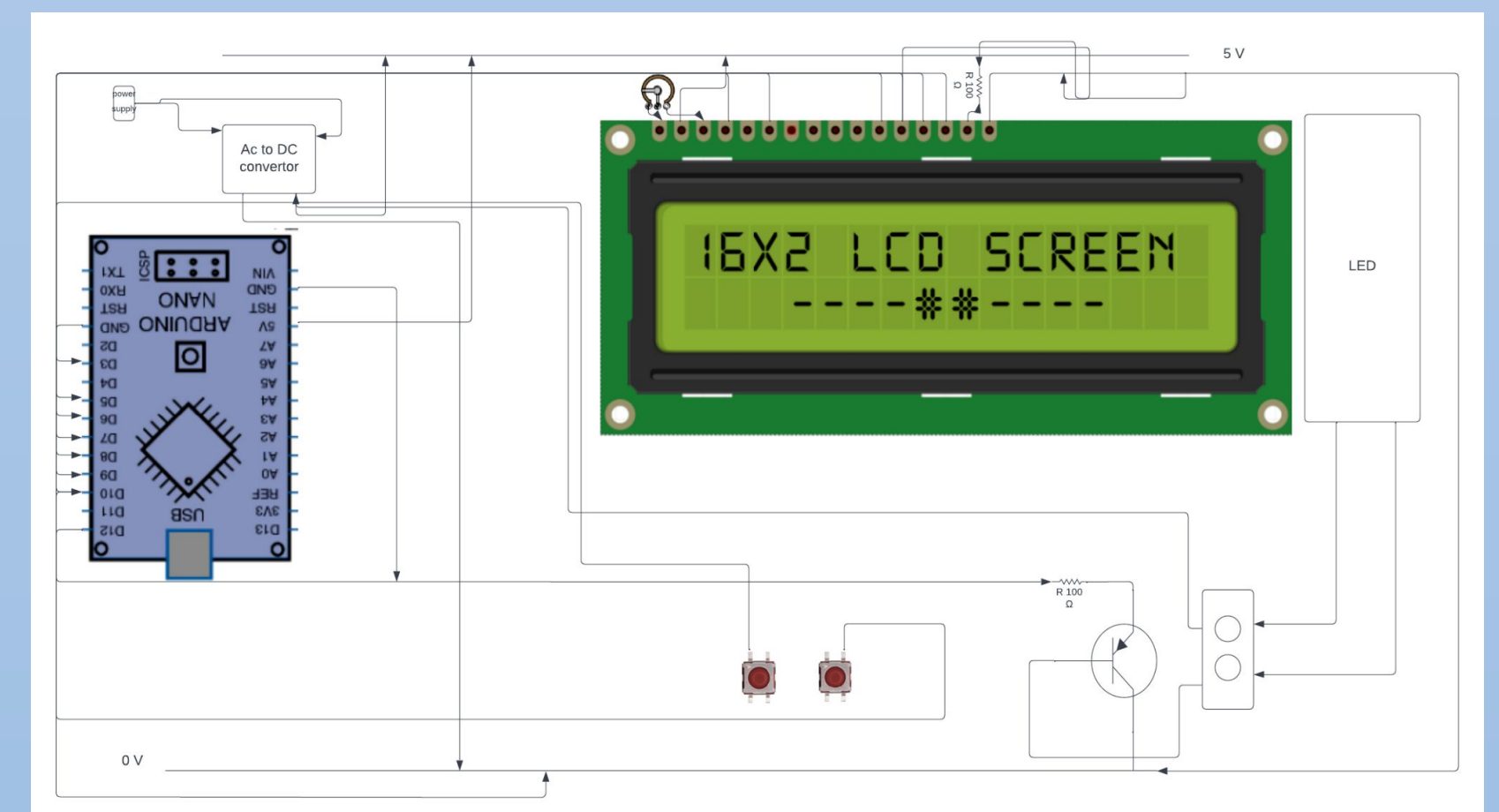
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Under the supervision of
Dr. Rahul Vaish, and Dr. Hari Varma

Motivation

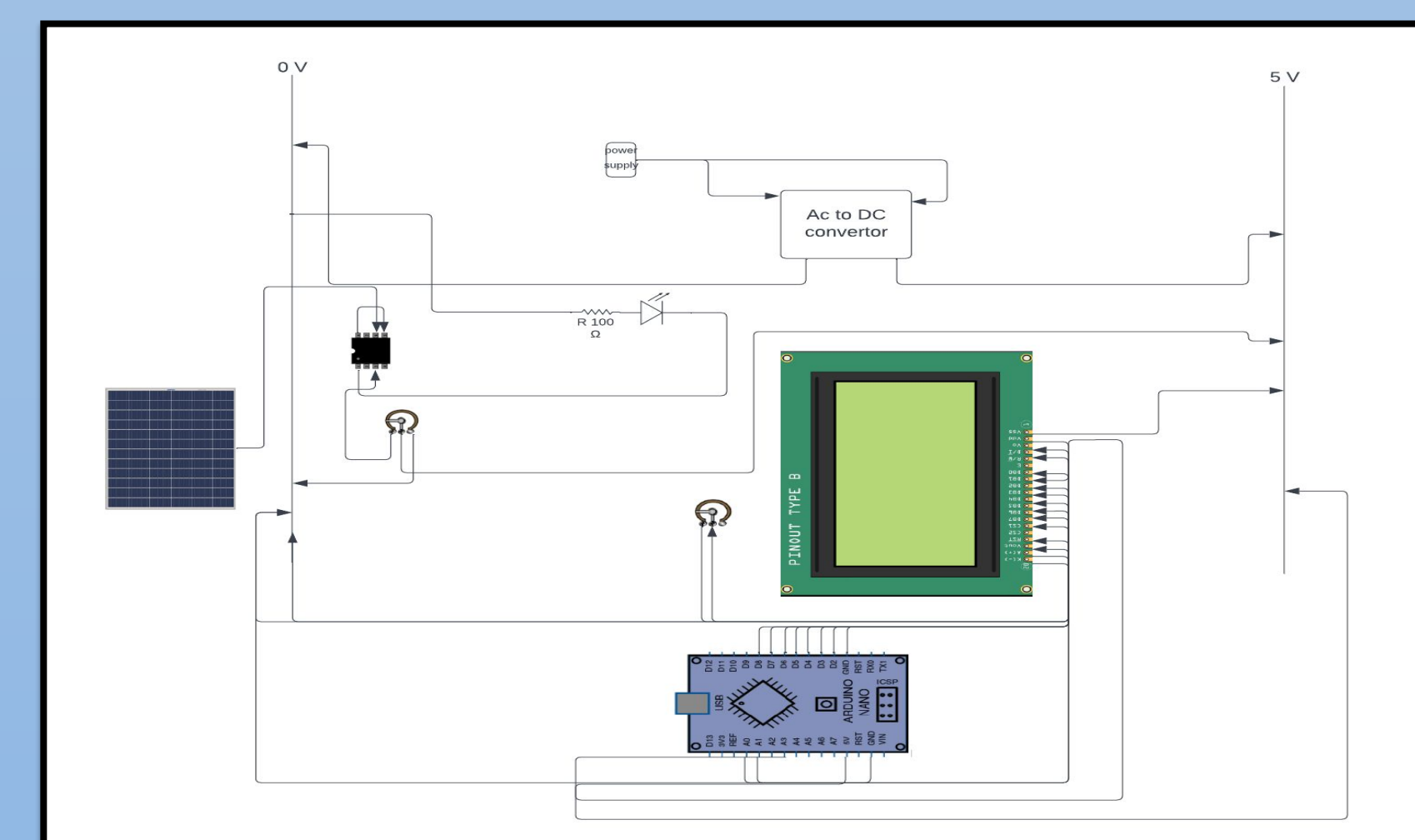
The motivation behind to build a product based on Li-Fi technology is to improve the data transmission speed, this technology is cheaper than the current one, Li-Fi require less energy for it's working, this will be more accessible as it require only light for transmission of data with Li-Fi setup, as the data transmission through light so it is more secure. We all know that Li-Fi introduced in 2011 but, long time after world start working on this technology and in our project we want to explore this area of technology.

Electrical Circuit

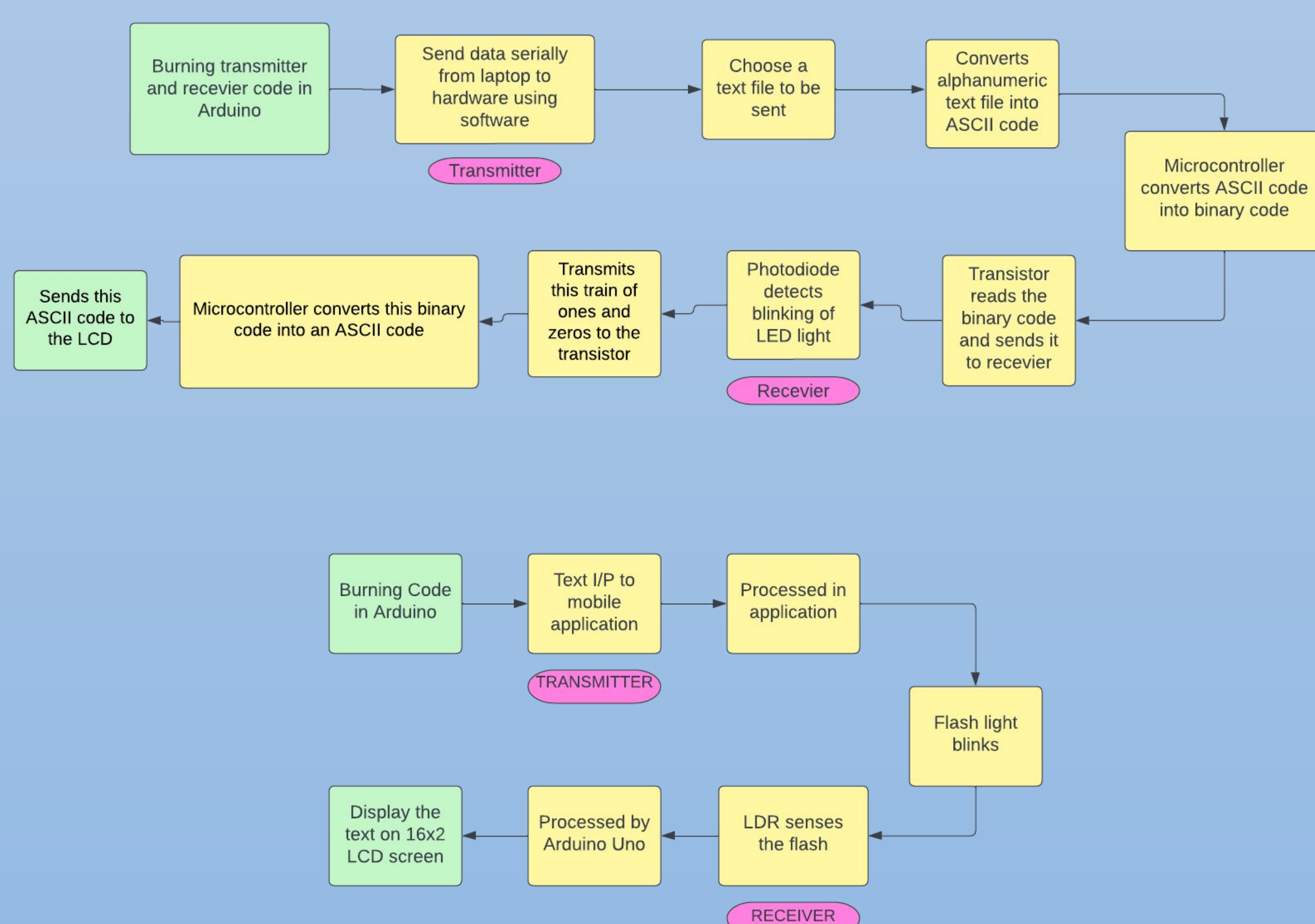
TRANSMITTER:



RECEIVER:



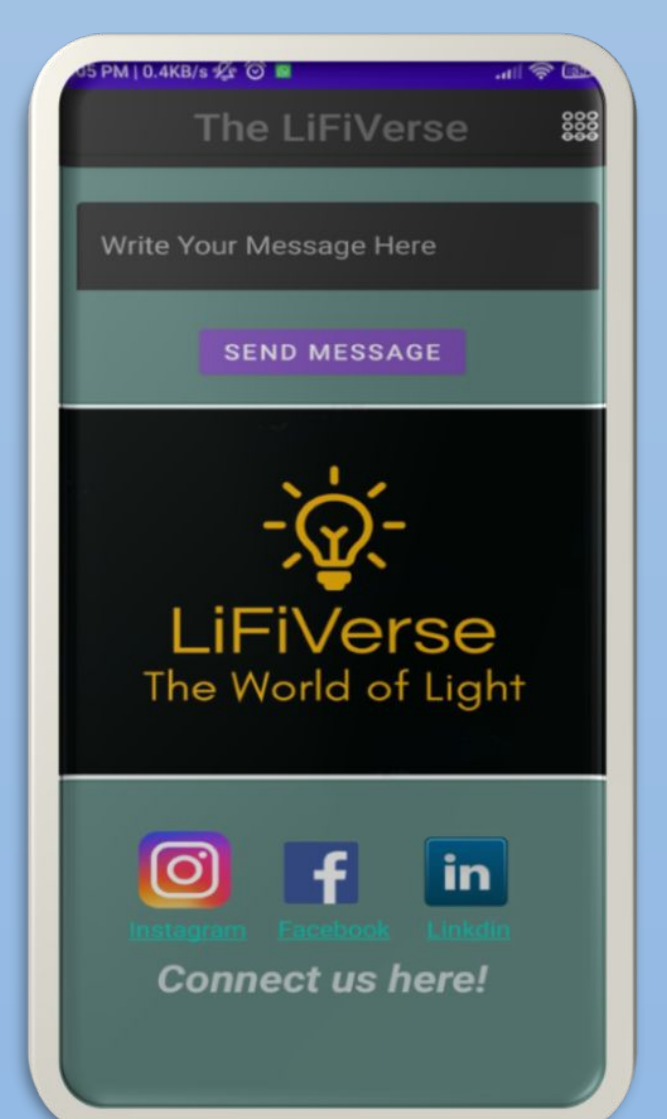
Block Diagram



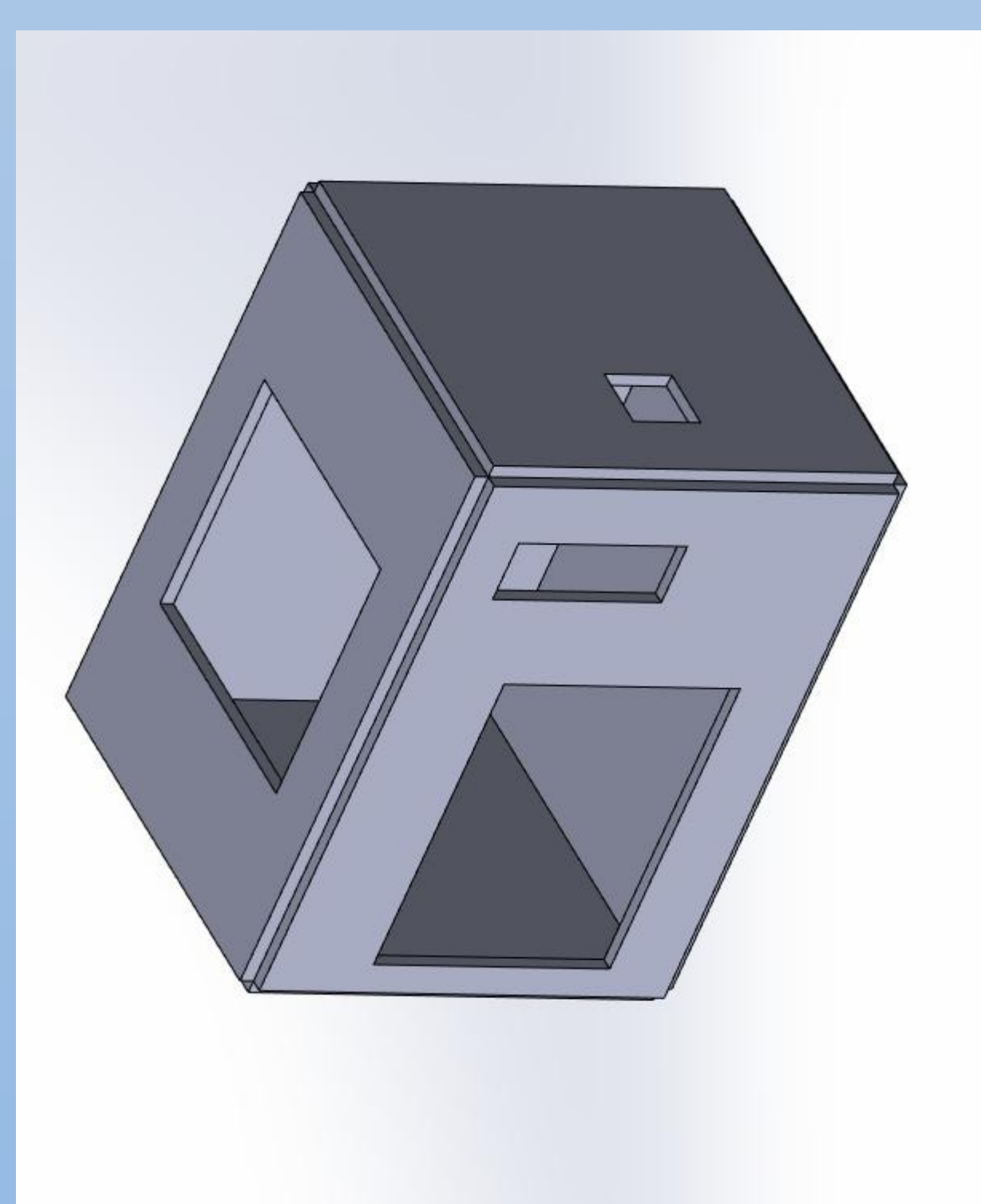
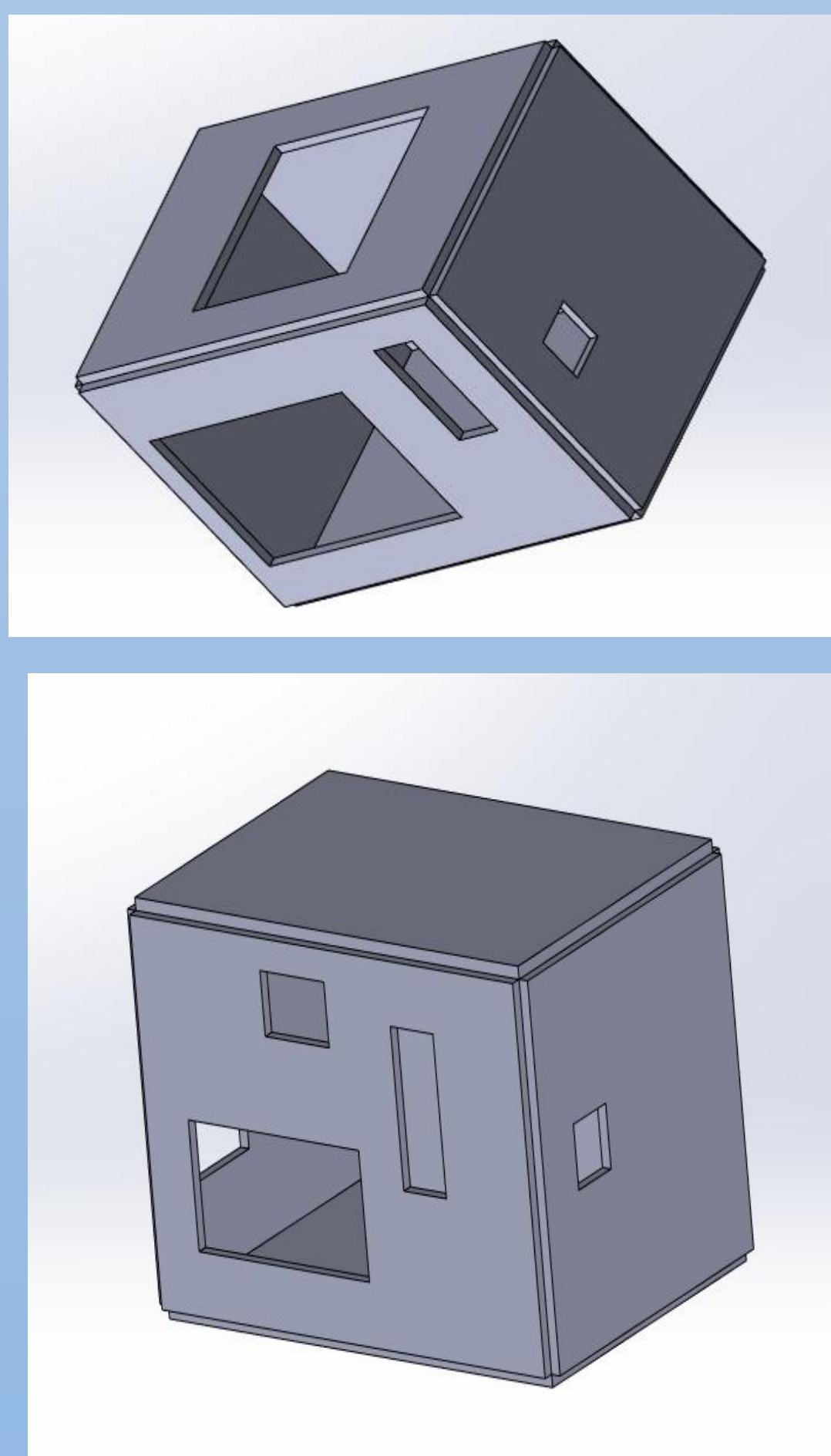
Current Status & Picture of the prototype



Currently we are done with fabrication of our model. We are successfully build our model with all the possible technology that we are think of before start working on this model. We can send text as well as images through our model. The text length is fixed and about the image, the model can send black and white image more accurately than colour one. Our another model can successfully send predefined text using light which uses mobile app for its transmission.



CAD Model



Roadmap Ahead

