



OH-0441

# SMART BICYCLE LOCK

## Future is Now

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### Abstract

With so many cab renting services out there it is about time bicycle catch-up to it.

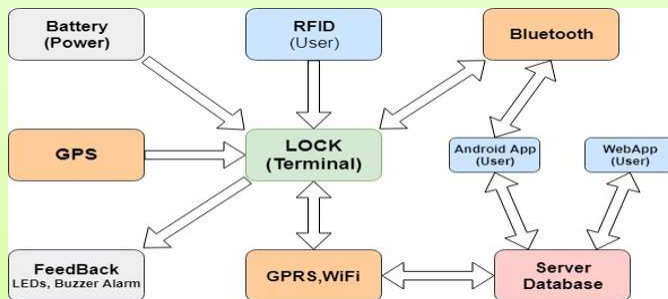
We present to you a bicycle lock which is future ready and equipped with many features for the cycle renting services.

### Introduction

Access is app based authentication as well as RFID authentication.

The lock has in-build GPS,GPRS,GSM/Wi-Fi and Bluetooth to provide all the REMOTE ACCESS.

Developed Web-app for registration-payment and many more facilities. Prototype of the lock has been 3D printed.



SYSTEM FRAME

### REFERENCES

Developed on MediaTek Linkit-One Micro-Controller.  
Compatible with existing Greenolution documentations.

### ACKNOWLEDGMENT

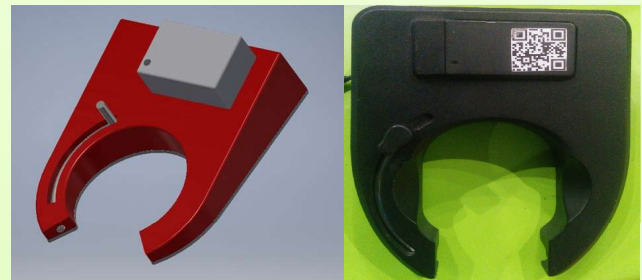
Done under the guidance of Prof. M Balakrishnan & Suman Murali.

Made in partnership with Greenolution.

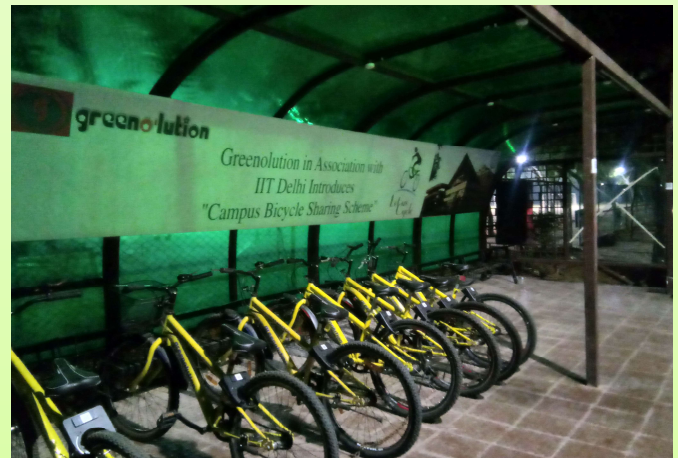
### IMAGES



LOCK FEATURES



LOCK PROTOTYPE



CYCLE STAND