

# AI5-118

Smart Green Bike

智慧綠能腳踏車

隊名 臺灣 Style

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## 作品摘要

即便在交通大眾運輸發達的時代，腳踏車仍維持重要的地位，如臺北市市長喊出自行車友善城市，以及租借自行車 U-Bike 政策的成功。在未來智慧城市裡，腳踏車勢必融合穿戴式裝置，如記錄使用者騎乘之距離、生理資訊，騎車目標管理。因此我們就以上概念，想要設計出能自行發電、紀錄騎乘距離、速度、里程的腳踏車，並在 Android 上設計，讓使用者可以設定自己想要的騎乘目標，更能激起人們使用腳踏車的慾望，除了帶動健康運動生活，更能省下油錢、減少排放二氧化碳。

Even though mass transportation is very common now, bicycles still play an important role in our life. Due to promoting of the bicycle-friendly city by the mayor of Taipei and the success of the policy about U-Bike rental the IOT smart bike will be the trend in the future. With our concept that we came up with, we would like to design a bike with the ability to record travel distance, speed and route as well as a self-generating electricity system. With the affinity of Android platform, users can preset their own cycling goals. Stimulating users desire of cycling is also one of our main purposes. We hope this product will promote a sporting healthy lifestyle in in the future. It can also reduce users fuel costs and fuel consumption, and decrease the emission of carbon dioxide.



圖 1 / 智慧綠能腳踏車

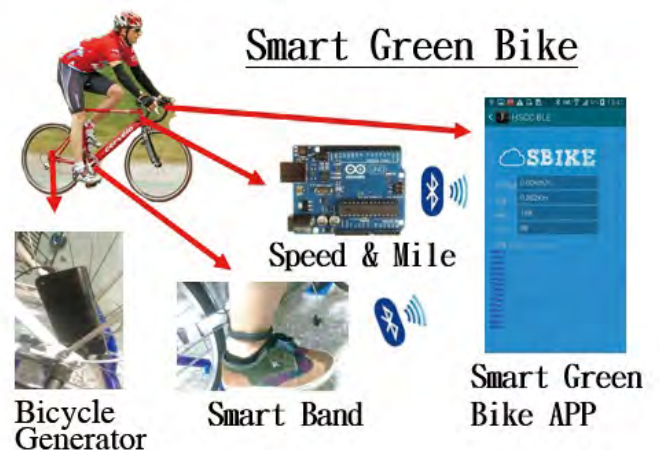


Fig.1 / Smart Green Bike