



**MOBILE PHONE CAR IGNITION SYSTEM USING  
EMBEDEDBLUE 506 BLUETOOTH TECHNOLOGY**

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## ABSTRACT

Imagine the world with the vehicle ignition by using mobile Bluetooth technology will be a great advantage in terms of human energy and time consuming. It is indeed free of charge or no cost involved and can be activated in safe mode since the vehicle is still in lock condition. Therefore, in this project an application will be implemented and developed for mobile phone car ignition system by using EmbeddedBlue 506 Bluetooth technology. The system is constructed by integrating both hardware and software. The hardware parts consist of Rabbit Core Module (RCM3200) with Prototyping Board (RCM3100) which is the heart of the developed system, EmbeddedBlue (eb506) and Mobile Phone as a communication devices, whereas voltage regulator, Bipolar Junction Transistor (BJT) circuit and Car Alarm Auto Starter Remote Control as a supporting components. The software is written using the Dynamic C which then compiled and loaded into Rabbit Core Module (RCM 3200). Experimental results were also presented as a measurable data to verify the capability and efficiency of the system. By sending a Bluetooth signal from mobile phone, the system could ignite the car which is still in locked condition. The advantages of this system are user able to ignite their car engine at anytime and anywhere from 0 to 10 meter radius and just for free for the rest of their live.

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