

Smart Watch using ESP-32 WROOM

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Abstract: *A smart watch is a wearable computing device that closely resembles a wristwatch or other time-keeping device. Smart watch has slowly become the mainstream gadgets. In day-to-day life smart watches is one of the imminent launches on people's mind. In addition to telling time, many smart watches are Bluetooth-wi-fi capable. The watch shows time, day and date by accessing Internet API. The smart watch has a sensor which enables user to check his/ her heart rate and SPo2 in real time. Increasing demand for wireless sports and fitness devices is driving the market. Currently, the use of smart watches among cyclers, runners, gym-goers, swimmers, and athletes is increasing rapidly, owing to their wide range of monitoring capabilities.*

Keywords: ESP 32Wroom, Smart watch, Heart-rate, SPo2, Wi-fi.

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