

THE CRITICAL APPLICATION OF INTERNET OF THINGS (IOT) IN THE OVERALL DEVELOPMENT OF EDUCATION

SUNIL CHAHAL

Director- Technology Delivery, Concepts IT Inc.

ABSTRACT

The advent of internet IoT devices can be used in any kind of industry for its growth. The applications and benefits of IoT in the education industry are diverse. The teachers and the parents can collect personalized data about students in the classrooms and use them to improve personalized learning using this, it will not disturb their learning process. Schools with limited valuable resources can make use of IoT to control the students from overusing activities which will be helpful to other students to utilize the resource. IoT helps the teacher to see the full view of students' mental state, and stress levels with the help of their heart rate. In this paper, the IoT is used as a wearable band. The band will be tied to the hand of the student to monitor the vital readings of heartbeat over time during school hours. The vital readings are compared with the standards. If the deviation between the actual and the standard found is large scale, then it would be informed as an alert to the class teacher for further action. Usually, this can be used to give counseling to the students having difficulties, and stress in different activities as part of the curriculum.

Keywords: IoT Devices, Education Industry, Heartbeat, Wearable Band.

Received: Jan 20, 2023; Accepted: Feb 10, 2023; Published: Feb 15, 2023; Paper Id: IJCNWMCJUN20231