A Seminar Report  
 on

**BLUETOOTH**

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**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE ENGINEERING**

**BY**

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## CERTIFICATE

This is to certify that this seminar report entitled “**BLUETOOTH”** being submitted by **Y.KALYANA MAHALAXMI (18WJ5A0548)** in partial fulfilment for the award of the Degree of **Bachelor of Technology** in **Computer Science & Engineering** of the **Jawaharlal Nehru Technological University Hyderabad** during the academic year 2020-2021, is a record of bonafide work carried out under our guidance and supervision at **Guru Nanak Institutions Technical Campus** (Autonomous).

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**ABSTRACT**

Bluetooth wireless technology is a short-range communications system, intended to replace the cable(s) connecting portable and/or fixed electronic devices. The key features of Bluetooth wireless technology are robustness, low power consumption and low cost. Many features of the core specification are optional, allowing product differentiation [1]. Created by telecom vendor Ericsson in 1994, it was originally conceived as a wireless alternative to RS232 data cables. In 1998 Ericsson, IBM, Intel, Nokia, and Toshiba formed a trade association known as Bluetooth SIG (Special Interest Group) to publish and promote the Bluetooth standard. From the first Bluetooth enabled device in 1999, to 2008 more than 2 billion devices were using the Bluetooth technology (according to a press release from Bluetooth SIG dated May 2008). Still according to Bluetooth SIG [14], listed below there are numbers of Bluetooth products worldwide that give a more updated picture of the dimension of this technology:906 million mobile phones sold in 2010, almost 100 percent with Bluetooth technology.

• 171 million laptops shipped in 2010, including 77 percent with Bluetooth technology.

• More than 50 million game consoles shipped in 2010, including 62 percent with Bluetooth technology.

• More than 40 million Bluetooth enabled health and medical devices were already in the market in early 2011

• One third of all new vehicles produced worldwide in 2011 include Bluetooth technology, growing to 70 percent by 2016, according to Strategy Analytics connecting portable and/or fixed electronic devices. The key features of Bluetooth wireless technology are robustness, low power consumption and low cost. Many features of the core specification are optional, allowing product differentiation.

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