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Ariyur, Puducherry-605 102.

LED SCREEN

SEMINAR REPORT

PONDICHERRY UNIVERSITY

Submitted to in fulfillment of the requirements for the award of the Degree of

BACHELOR OF TECHNOLOGY
In
COMPUTER SCIENCE AND ENGINEERING
By

VIGNESH. M **(Reg. 20TD0848)**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SRI VENKATESHWARAA COLLEGE OF ENGINEERING AND TECHNOLOGY

PUDUCHERRY-605102

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SRI VENKATESHWARAA COLLEGE OF ENGINEERING AND TECHNOLOGY

(AFFILIATED TO PONDICHERRY UNIVERSITY)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BONAFIDE CERTIFICATE

This is to certify that the Seminar entitled "**LED SCREEN**" is a bonafide work done by **VIGNESH.M (REG:20TD0848)** in partial fulfillment of the requirement forthe award of B. Tech degree in **COMPUTER SCIENCE AND ENGINEERING** by Pondicherry University during the academic year (2023-2024).

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Assistant Professor	Professor and Head
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DATE :

PLACE :

DECLARATION

We affirm that the seminar titled "**LED SCREEN**" being submitted in partial fulfillment of the award of Bachelor of Technology is the original work carried out by us. It has not formed part of any other project work submitted for the award of any degree.

VIGNESH.M (Reg.20TD084)

I certify that the declaration made above by the candidate is true.

Signature of the Faculty

Ms.S.PAVITHRA.,B.Tech.,M.Tech.,(MBA)

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ABSTRACT

The evolution of LED screen technology has revolutionized various industries, ranging from entertainment to advertising, and from education to retail. This abstract provides a comprehensive overview of the advancements in LED screen technology, highlighting its impact on diverse sectors and outlining key technical innovations. Firstly, the history of LED screens is explored, tracing back to the development of light-emitting diodes (LEDs) in the 1960s. The transition from traditional display technologies to LED screens marked a significant milestone due to their superior brightness, energy efficiency, and longevity. This transition facilitated the emergence of high-definition displays with vibrant colors and enhanced clarity.

The abstract then delves into the key components and working principles of LED screens, elucidating how individual LEDs function collectively to produce images or videos. The advancements in LED manufacturing techniques, such as surface-mount technology (SMT) and chip-on-board (COB) technology, have enabled the production of smaller, more energy-efficient LEDs with higher pixel densities.

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