# MICROCONTROLLER-BASED ELECTRONIC BULLETIN BOARD USING LED DOT MATRIX

**A Project Study**
**Presented to**
**The Faculty of the Engineering**
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## ABSTRACT

Title: **Microcontroller-Based Electronic Bulletin Board using LED Dot Matrix**

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This study focuses on the application of knowledge learned by the researchers as regards to microcontrollers. The problem in De La Salle University – Dasmariñas with wasted resources on information dissemination and the effectiveness of their system in conveying information to their intended recipients is being targeted. The proposed answer to this problem by the researchers is the design, fabrication and installation of a Microcontroller-Based Electronic Bulletin Board using LED Dot Matrix having 6 lines with a maximum of 16 characters per line. The said electronic bulletin board is computer interfaced with Visual Basic software as its controller device.

The installation of the prototype will exhibit the skills and knowledge that are gained and developed by the ECE students in the University. This will also reflect the college's name and the quality of education of De La Salle University – Dasmariñas.