

**IMPLEMENTATION OF LED MATRIX SCROLLING MESSAGE
DISPLAY AT DLSU-D GATE 1 VIA SMS**

**A Project Study
Presented to**

**The Faculty of Engineering
DE LA SALLE UNIVERSITY – DASMARIÑAS**

The seal of De La Salle University - Dasmariñas is a circular emblem with a scalloped border. It features a central shield with a red triangle, a green star, and an open book. The shield is flanked by green laurel branches. The outer ring of the seal contains the text "AKLATANG EMILIO AGUINALDO - INFORMATION RESOURCE CENTER" at the top and "De La Salle University - Dasmariñas • Since 1977 • Dasmariñas, Cavite, Philippines" at the bottom.

**In Partial Fulfillment
Of the requirements for the Degree
Bachelor of Science in Electronics Engineering**

Felismino, Patrick Joseph S.

Mercado, Edgar Justin Joseph P.

Riel, Amiel A.

Tindugan, Jon Noriel C.

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ABSTRACT

Title: Implementation of LED Matrix Scrolling Message Display at DLSU-D Gate 1 via SMS

**Researchers: Patrick Joseph S. Felismino
Edgar Justin Joseph P. Mercado
Amiel A. Riel
Jon Noriel T. Tindugan**

Adviser: Engr. Emmanuel T. Longares

School: De La Salle University – Dasmariñas

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Degree: Bachelor of Science in Electronics Engineering

This study focuses on the application of knowledge learned by the researchers as regards to microcontrollers, data communications and communications system. 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 are being targeted. The proposed answer to this problem by the researchers is the design, fabrication, installation and Implementation of an electronic board with LED Matrix Scrolling Message Display at DLSU-D Gate 1 via SMS having a single line with 8X8 LED Dot Matrix size with 10 matrix panels. The said electronic bulletin board receives its message input through its GSM module.

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