

# **MICROCONTROLLER BASED ROD CANDLE MAKING MACHINE**

**A Project Study**

**Presented to**

**The Faculty of Engineering**

**De La Salle University – Dasmariñas**



**In Partial Fulfillment  
Of the Requirements for the Degree of  
Bachelor of Science in Electronics and Communications Engineering**

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 at the top, a blue triangle at the bottom, and a white cross in the center. Below the shield is an open book with a gear and a circuit board on its pages. The shield is flanked by two green laurel branches. The text 'AKI ATANG EMILIO AGUINALDO - INFORMATION RESOURCE CENTER' is written in a semi-circle above the shield. The text 'De La Salle University - Dasmariñas' is written in a semi-circle below the shield. At the bottom of the seal, it says 'Since 1977 • Dasmariñas, Cavite, Philippines'.

**Alamag, Ronnie R.**

**Garrido, Julius Miguel C.**

**Mijares, Renato Jr. E.**

**Perido, John Carlo C.**

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## ABSTRACT

Title: Microcontroller Based Rod Candle Making Machine

Researchers: Alamag, Ronnie R.

Garrido, Julius Miguel C.

Mijares, Renato Jr. E.

Perido, John Carlo C.

Adviser: Engr. Emmanuel T. Longares

School: De La Salle University - Dasmariñas

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Candles are very important and have many useful roles in the community. It is the most commonly used lighting in most of houses when the power has lost. Considering that many provinces in the country was not been reach by the power distribution.

The idea of candle makers came across the researchers mind. There are already companies that produce candles but equipments for each different process are bulky and space consuming, so it became a challenge for the researchers to make a prototype that will have the basic process needed in candle making in a single machine. These basic processes in making the candles are the melting process, dipping and cooling process.

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