



Republic of the Philippines  
**CAVITE STATE UNIVERSITY**  
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## DEPARTMENT OF COMPUTER STUDIES

### TITLE DEFENSE REVISIONS AND COMPLIANCE FORM

**Student Name:** Bides, Matthew Isaac L.  
Caliwan, Neil Yvan S.  
Fernandez, Alexander James Ian J.  
Macaranas, Kurt Baron S.  
**Approved Title:** Apula: CNN-Powered Fire Detection And Alert System Using  
CCTV Footage, Thermal Imaging, And Temperature Sensors  
**Defense Date:** June 13, 2025

#### REVISIONS

The panelists suggested that we create a process box and a schematic diagram, both signed and approved by a licensed professional electrical engineer. They also recommended that our Artificial Intelligence model be also trained on datasets capable of distinguishing between different types of smoke.

Signature for: Matthew Bides  
Click to sign

Signature for: Matthew Bides  
Click to sign

**Approved by:**

**STEPHEN BACOLOR**  
Panel Member

**NESTOR MIGUEL PIMENTEL**  
Panel Member

**ELY ROSE L. PANGANIBAN-BRIONES, MIT**  
Defense Chairperson



