



University of Southeastern Philippines
College of Information and Computing

Learning Evidence: FINAL REQUIREMENTS

ICE 415 – Professional Elective 5: Digital Image Processing

Final Requirement: Algorithm Development

Each group is tasked to develop a computing solution on real-life problems using digital image processing. The algorithm must be proven and tested and can be presented by means of a computing device through an IDE.

Documentation/Manuscript is required to discuss what real-life problem or issue that is considered in the project and why. Provide good references.

Deliverables will include the following

- Documentation/Manuscript
- Complete Program/Source Code

Below is a guide how the project is being assessed.

I. LEARNING EVIDENCE:

As evidence of attaining the above learning outcomes, the student has to do and submit the following:

	Learning Evidence	Description and other Details
LE1	Algorithm	An algorithm developed to solve a real-life problem using digital image processing principles. The algorithm must be proven and tested and can be presented by means of a computing device through an IDE. This must be submitted via the UVE or email or portable device on or before the last day of the semester.

II. Measurement System

Learning Evidence 1: Project 1

Criteria	Beyond Expectation	Expected	Needs Improvement	Below Expectation
Presentation and Packaging	The algorithm is packaged and presented with a working application	The algorithm is packaged and presented thru an IDE	The algorithm is packaged and presented thru an IDE with vague components	The algorithm is packaged and presented thru an IDE without clarity
Knowledge Application	The lessons in the course are applied and with added principles not covered in the course	The lessons in the course are applied	Some of lessons in the course are not applied	Only few of the lessons in the course are applied



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Research-driven	The theoretical and applied aspects of the algorithm are research-based	The theoretical aspects of the algorithm are research-based	Some theoretical aspects of the algorithm are research-based but some are not	The theoretical aspects of the algorithm are not research-based
Accuracy	The algorithm can deliver the functions accurately without errors.	The algorithm can deliver the functions accurately with expected errors	The algorithm cannot deliver some of the functions accurately	The algorithm cannot deliver most of the functions accurately
Implementation Plan	The algorithm has a complete and comprehensive full implementation plan	The algorithm has a full implementation plan	The algorithm has an incomplete implementation plan	The algorithm has no implementation plan

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Problem Domain/Statement
Framework – IPO Approach
Code Reflection (explanation of a line or block of codes)
References