

**SOFTWARE DEVELOPMENT FOR EGG GRADING
USING IMAGE PROCESSING**

**This is presented to fulfill the requirement of
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CONTENTS

	PAGE
ACKNOWLEDGEMENT	IV
SYNOPSIS	V
LIST OF FIGURES	VI
LIST OF TABLES	VII
LIST OF PLATES	VIII
ABBREVIATION	IX
CHAPTER 1: INTRODUCTION	
1.1 BACKGROUND	1
1.2 OBJECTIVE	2
1.3 SCOPE OF STUDY	2
CHAPTER 2: THE IMAGE PROCESSING	
2.1 THE BASIC IMAGE	3
2.2 ILLUMINATION & SENSORS	3
2.3 DIGITAL IMAGE PROCESSING	5
2.3.1 POINT OPERATION	5
2.3.2 NEIGHBOURHOOD OPERATION	5
2.3.3 GEOMETRIC OPERATION	6
2.4 IMAGE CLASSIFICATION	6
2.4.1 IMAGE QUALITY ENHANCEMENTS	6
2.4.2 IMAGE ANALYSIS	7

2.4.3	IMAGE CODING	7
2.5	PROCESSING CLASSIFICATION	8
2.6	THE PROCESSING HARDWARE	8
2.7	IMAGE PROCESSING SYSTEM	10
2.7.1	IMAGE TRANSDUCER (CAMERA)	11
2.7.2	LIGHTING AND OPTICS	11
2.7.3	FRAME GRABBER	12
2.7.4	IMAGE PROCESSOR	13
2.7.5	SOFTWARE SYSTEM	14
CHAPTER 3:	SYSTEM OVERVIEW	
3.1	HARDWARE	16
3.1.1	LIGHTING AND CAMERA	17
3.1.2	TRANSPUTER	17
3.1.3	HOST PC	17
3.2	SOFTWARE	17
3.3	DESCRIPTION OF THE PROJECT AT SIRIM	18
CHAPTER 4:	SOFTWARE TOOLS DESCRIPTIONS	
4.1.1	PARALLEL PROCESSING	20
4.1.2	IMAGE PROCESSING LIBRARY FOR TRANSPUTER (IPLIB)	21
4.1.3	tCGRAPH	22
4.1.4	CEPSTRA DRIVER	23
4.1.5	MICROEYE TM (MONOCHROME) AND TC (COLOUR)	24

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SYNOPSIS

The objective of the project is to develop a software using image processing techniques for egg inspection and sorting. A camera is used to capture the top view image of the egg. The area of the egg's image is calculated to determine the grade of the egg for automatic sorting. The task require finding the best image methods to process the image based on accomplished image processing techniques.

The development of the software is done on a personal computer equipped with a transputer card and a frame grabber card to which the camera is attached. The language used is parallel C and software development is aided by an image analysis system/package which consists of IPLIB, tCGRAPH, TMTC and CEPSTRA Driver.