

Height Measurement Using Webcam (Application of Digital Image Processing)

INTRODUCTION

New ideas and invention are the parts of an Engineer's life. Engineers always try to look upon the problem from a technical point-of-view.

An engineering project is a perfect balance cocktail of the practical aspects of the humanities and economics. The project provides an engineer a deal with a problem existing in society.

Now a day's height measurement is one of the most important aspects in the recruitment process of defense and police departments. In this both departments the height is measured by conventional way which is very cumbersome and time consuming process.

As an alternative to this process our project gives efficient solution as this process becomes fast and errorless.

In this height measurement project MATLAB toolboxes are used to develop software and camera is used as input device. This tool can be interface with general public by using simple and effective GUI (Graphical User Interface). In this project algorithms of image acquisition toolbox and image processing toolbox are used.

In our project we are using a webcam to capture the image of person, whose height is to be measured. To capture the image by using webcam image acquisition toolbox is used. After capturing the image of candidate, the processing is done on the image by using efficient digital image processing tool that comes with MATLAB.

FLOW CHART.

