



# Performance Analysis of SVM to Measure Calorie and Nutrition from Food Images

D.Seles Ponrani<sup>1</sup>, S.Nirmal Suveka<sup>2</sup>, S.Kiran Brabha<sup>3</sup>

PG Student, M.E-Applied Electronics, SCAD College of Engineering and Technology, Tirunelveli, India<sup>1</sup>

Assistant Professor, Electronics and Communication Engineering, SCAD College of Engineering and Technology,  
Tirunelveli, India<sup>2</sup>

PG Student, M.E-Applied Electronics, SCAD College of Engineering and Technology, Tirunelveli, India<sup>3</sup>

**Abstract:** Now a day's obesity is a major problem in human life. So the people are very eager to measuring their weight, healthy eating and also avoiding obesity, so they were need a system to measure the calorie and nutrition from the daily in taking food. A new System is proposed to measure the calorie and nutrition from the food image and it helps patients and dieticians for managing their daily in taking food. In this generation the usage of Personal mobile technology such as smart phones or tablets usage has been increased and also the users can carry with them periodically all the time, so by using a built-in camera of mobile the snapshot of food is taken to measure the consumption of calorie and nutrient components. The results have acceptable accuracy in calorie measurement technique can be done by using MATLAB.

**Index terms:** Calorie and Nutrition measurement, obesity management

