ABSTRACT

DESIGN & DEVELOPMENT OF A FRAMEWORK FOR NON-DESTRUCTIVE QUALITY EVALUATION OF NON BASMATI GRAINS

Submitted By: Niky K. Jain
Supervised By: Dr. S. O. Khanna, PhD, Director, Institute of Information and Communication Technology,INDUS UNIVERSITY,Ahmedabad, Gujarat,INDIA

Keywords– Machine Vision, Computer Vision, Combined Parameters, Oryza Sativa SSP Indica, Data Mining Techniques

Abstract: In Indian sustenance business, there are different nourishment items as grains having specific significance of rice. The capacity to perceive characterizing qualities for recognizable proof is attractive. With expanded desire for nourishment results of high calibre and from security guidelines, the requirement for precise, quick and target quality determination of these attributes in sustenance items keeps on developing. Essential issue of rice industry for quality appraisal is characterized which is customarily done physically by human examiner. Computer and Machine Vision in sustenance has widened its scope of utilizations from grains, oats, organic products to vegetables incorporating handled items in which there is a high level of value accomplished when contrasted with human vision examination. Computer and Machine Vision gives one other option to a robotized, non-ruinous and financially savvy strategy. The goal of my work is to propose a strategy for quality assessment of Non Basmati Oryza Sativa SSP Indica (Indian Rice) alongside its measurement in view of elements utilizing Soft Computing Techniques.