

VISVESVARAYA TECHNOLOGICAL UNIVERSITY**Jnana Sangama, Belgaum-590018****A Project report on****“IMAGE FEATURE EXTRACTION OF TOBACCO LEAVES”****Submitted to Karnataka State Council for Science And Technology, Bangalore****In partial fulfillment of the requirement for the award of****34TH SERIES OF STUDENT PROJECTS PROGRAMME****in****INFORMATION SCIENCE & ENGINEERING****By****AKSHATA R
JAGADEESH B.R
RAGHUNANDAN S.A
SHRUTHI T.R****4BW07IS002
4BW07IS016
4BW07IS032
4BW07IS042**

Under the Guidance of:
Mr. HARSHAVARDHAN L, M.Tech
Lecturer,
Dept of CS&E



BGS INSTITUTE OF TECHNOLOGY
Department of Information Science and Engineering
BG Nagar, Nagamangala Taluk, Mandya-571448
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ABSTRACT

Tobacco leaves' grading is very important in agricultural research and market. The classification and evaluation of flue cured tobacco leaves is a rigorous task. The tobacco leaf must be classified by size, texture and color, all aided by a well seasoned expert's feeling about the fine properties of the leaves. The results of the classification and quality evaluation rely on the judgmental experience of experts. Our project is titled "*Image features extraction of tobacco leaves*". We have proposed a computer vision techniques base system for the automatic inspection of tobacco leaves. Image processing techniques are used in this system to solve problems of features extraction and analysis of tobacco leaves, which include features of color, size and quality. The experimental results show that this system is a viable way for the features extraction of tobacco leaves, and can be used for the automatic classification of tobacco leaves. In this project report we have shown in detail, the design and working of processing and features extraction of tobacco leaves.