

University of Calicut



Bachelor Of Computer Application

SEMESTER VI

PROJECT REPORT

BCA6B17 Project & Programming Viva-Voce

Name:

Reg. No.:



DECLARATION

I hereby declare that this submission is my own work and that to the best of my knowledge and belief, it contains no materials previously published or written by another person or material which has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgement has been made in the text.

Signature:

Place:

Name:

Date:

Register Number:



CERTIFICATE

This is to certify that the project report entitled **Cigarette Smoking Detection Camera** submitted by _____ (Reg. No. _____) to University of Calicut for the award of the degree of _____ is a bonafied record of the project work carried out by her/him under my supervision and guidance. The content of the report, in full parts have not been submitted to any other institute or University for the award of any other degree or diploma.

HOD

Lecturer in Charge

Certified that the candidate was examined by me in the Project Viva-Voce examination held on _____ and her/his register number is _____

Signature of the Examiner

ACKNOWLEDGMENT

Gratitude is the memory of heart. So, here we express our great gratitude to all those who helped and guide us.

We express our sincere thanks to **Prof. Dr. T. John Mathew**, our beloved principal for providing necessary facilities.

We would also like to extend our thanks to **Prof. Shameena P** Head of the Department of Computer Science and other staff of our department for their guidance and inspiration throughout our course of study.

We are indebted to our project guide **Preethi Thomas** for being the motivator throughout the completion of the project and also for helping us to clear our doubts whenever we need to extend our project to a great level.

We sincerely express our thanks to our friends and all others who have directly or indirectly helped in the successful completion of this project.

No words can express our humble and eternal gratitude to our beloved parents and relatives who has been guiding us in all walks of our project.

We express our profound gratitude to all others, who by stretching their intellect, pushing the edge and reacting for the dreams provide constant inspiration.

INDEX

Serial. No.	Contents	Page No.
1.	Introduction	1 - 2
1.1.	Abstract	3
2.	Requirements Analysis & Specification	4
2.1.	System Study	5
2.2.1.	Existing System	5
	- Limitation of existing system	
2.1.2.	Proposed System	6
	- Advantages of proposed system	
2.2.	Requirement specification	7
2.2.1.	Hardware Requirements	7
2.2.2.	Software Requirements	7
2.3.	Feasibility Study	7
2.3.1.	Technical Feasibility	7
2.3.2.	Operational Feasibility	8
2.3.3.	Economical Feasibility	8
3.	System Design	9
3.1.	Users of the System	10 - 11
3.2.	Module Description	11 - 12
3.3.	Architecture Diagram	12
3.3.1.	UML Diagram	12
3.3.2.	Data Flow Diagram	13 - 15
4.	Implementation	16 - 18
5.	Testing	19 - 20
5.1.	Levels of Testing	20 - 22
5.2.	Major Constrains	22
6.	Results and Discussion	23 - 25
7.	Conclusion and Future and Enhancement	26 - 28
8.	Screenshots	29 - 30

REAL TIME CIGARETTE SMOKING DETECTION