PRESIDENCY COLLEGE
(AUTONOMOUS)
AFFILIATED TO BENGALURU CITY UNIVERSITY, APPROVED BY AICTE, DELHI & RECOGNISED BY THE GOVT. OF KARNATAKA
RE-ACCREDITED BY NAAC WITH 'A+' GRADE

GAIN MORE KNOWLEDGE
REACH GREATER HEIGHTS

Department of Computer Applications

MCA – A SECTION (Batch- 2021-2023)

Session: May 2023 to August 2023

PROJECT WORK – SYNOPSIS

TITLE OF THE PROJECT : Lung Cancer Diagnosis

STUDENT NAME & SECTION : Jagdeep Singh 'A' sec

REGISTRATION NO. : 21P01045

GUIDE NAME : Anitha Desouza

OBJECTIVE AND INTRODUCTION:

The only recommended screening test for lung cancer is low-dose computed tomography (also called a low-dose CT scan, or LDCT). During an LDCT scan, you lie on a table and an X-ray machine uses a low dose (amount) of radiation to make detailed images of your lungs. The scan only takes a few minutes and is not painful.

The objective of this system is to detect any potential cancer cells formed within an individual and provide appropriate diagnosis.

MAJOR MODULES:

- Module 1 - Patient form
- Module 2 – Login form
- Module 3 – Website
- Module 4 – Input form
- Module 5 - Training and testing system
- Module 6 - Output / report

Functionalities of Modules:

- Take patients scan input.
- Login / registration
- Analyze the scan.
- Process the input to identify cancer cells.
- Report generation
- Maintain patient details
- Diagnose the patient for cancer appropriately

HARDWARE AND SOFTWARE REQUIREMENTS:

HARDWARE	
PROCESSOR	Ryzen 5 3550H
RAM	4GB
HDD	500GB
SOFTWARE	
CLIENT SIDE TECHNOLOGIES(FRONTEND)	HTML, CSS, JS
SERVER SIDE TECHNOLOGIES(BACKEND)	Python / MongoDB
IDE (IF ANY)	VS Code
CONNECTION TECHNOLOGY (DRIVER SOFTWARE OR ANY INTERFACE)	
OPERATING SYSTEM	Windows 11
TOOLS(FRONT END AND BACK END)	Flask

Gantt Chart:

SRS /SRA	System Design	Coding	Testing	Deployment and Report
27.05.2023	24.06.2023	22.07.2023	29.07.2023	18.08.2023

NOTE: Project hard copy submission must be done on or before 26.08.2023.

Guide Signature **Student Signature**