SYNOPSIS FOR MINOR PROJECT

A Report submitted in partial fulfillment of the requirement

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In

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MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY

C-4, Janakpuri, New Delhi-58

Affiliated to Guru Gobind Singh Indraprastha University, Delhi

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GENERAL PURPOSE AI WITH GRAPHICAL USER INTERFACE

Submitted by:

Deepak Sarangi - 08115002819(26), ECE-2

Raja Virendra Mohan - 1115007320(57), ECE-2

Yash Sharma – 1715007320(62), ECE-2

Supervised by: Dr.Shaifali M. Arora

GENERAL PURPOSE ARTIFICIAL INTELLIGENCE(AI)

S.No.	Name of the Student	Class	Class Serial No.	Enrollment No.	Preferred Name of Supervisor	Supervisor's Signature	Student's Signature
1.	Deepak Sarangi	ECE-2	26	8115002819			
2.	Raja Virendra Mohan	ECE-2	57	1115007320	Dr. Shaifali M. Arora		
3.	Yash Sharma	ECE-2	62	1715007320			

<u>INTRODUCTION</u>

In the fast-growing world, everyone is trying to do less work to get the desired result; the computer helps them a lot. It helps to do various work very quickly and in a limited amount of time which may or may not be done by humans but how is it to only order a system without typing anything and get your work done in a shorter period, so for that Artificial Intelligence(AI) system comes into existence with a long list of applications in the real world including security system, which is one of the important aspects in the way of technology's growth. There are many applications of AI, some of them are Speech Recognition, Face Recognition, and Recommendation of any sort of data according to the previous history with the process we are dealing with with the help of the data provided to the system. It will give results based on the found item in the data list similar to the input we provide to it.

In this project, we are going to make a general-purpose AI that will do several tasks on our local system such as opening some files without searching for them by ourselves; opening some browser-based sites like Google, YouTube, etc.; some sort of interaction like it will tell us about the time, salutation according to time and encryption of any text according to our preference and all of this are done by using speech recognition i.e. we have to give the audio command to it and it will recognize it accordingly i.e. whether it is audible or not and give output according to the program specified to it. Along with this, we have a Graphical User Interface(GUI) which will open first and then we access the speech recognition program from there. Also, we have a face recognition system that will give results based on the video or image processing through the camera it is allowed to access with the help of data provided to it.

<u>Tools Used</u>:

1. <u> </u>Python Programming Language.
2. <u> </u>Visual Studio Code with some modules which are used in the project.

References:

1. GitHub
2. Google
3. YouTube