DAYANANDA SAGAR COLLEGE OF ENGINEERING

(An Autonomous Institution affiliated to VTU, Accredited with NAAC 'A' Grade)

PROJECT SYNOPSIS

DEPARTMENT	Computer Science and Engineering				
TITLE OF THE PROJECT	Online Class Automation				
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MINI - PROJECT TIMELINE (Tentative Start date- End Date)	September 2020- January 2021				
PROJECT GUIDE DETAILS	Prof. Poornima KS				
FIELD OF PROJECT	The project is in the field of Robotic Process Automation .Robotic process automation (RPA) is the use of software with artificial intelligence (AI) and learning capabilities to handle high-volume, repeatable tasks that previously required humans to perform. These tasks can include queries, calculations and maintenance of records and transactions.				
BACKGROUND OF PROJECT WITH REGARD TO THE DRAWBACK ASSOCIATED WITH EXISTING PRODUCT/PROJECT	With the rise in online classes, an unforeseen task has risen in the lives of students and teachers. It is a monotonous task to send the same link everyday for every class as per the schedule. The general process involves the teacher fetching the link, sending it to a student, and then the student forwarding it to the entire class. It is noticeable that for most online conferencing platforms, the link to a meeting/class is assigned to the account, rather than creating a new one for every instance. This means that a majority of work can be cut out by simply storing the links to every meeting in a key-value pair with the respective time in any suitable data structure (such as a dictionary). This bot takes a similar approach to solving this problem.				
OBJECTIVE OF THE PROJECT	The objective of the project is to reduce the workload on teachers and students who have to regularly forward online class links to different groups repeatedly depending on the timetable				
PROJECT STATEMENT	Automatically scheduling the classes at the students end				
SUMMERY OF THE PROJECT	Covid 19 has resulted in lockdowns and shutting down of education institutions. As a result education is changed and it's no longer held in physical classes. But learning needs a teacher and students, hence our homes are new classes. Online classes are taken on many platforms like Zoom, Cisco WebEx. The meeting id, password and link is shared by the Class Representative of the class. This is a very repetitive task, as the Class Representative has to send the same links again and again. And let's not forget the student is a human and can forget to share the meeting info. Our project focuses on reducing the task of the Class Representative, as our bot would send the links to the student and make them join the class automatically, hence reducing the effort.				
MODE OF CARRYING OUT THE PROJECT (Give details such as Lab/ /Innovation Lab details.)	The project will be carried out in the Computer Science and Engineering Department of DSCE.				

INTENDED BENEFICIARIES OF THE PROJECT (industrial/commercial/R&D/social)	It would be most useful for the teachers and the Class Representative of the class as they have to send the same meeting info to the same set of people. And it also helps the students as it automatically joins the meeting.
ABSTRACT	Online classes generically refers to the interactive classes held online using platforms like zoom and Cisco. Our bots reduces a lot of repetitive tasks like sending links to the students , and student joining the meet. It also reduces the delays of joining the meeting and sending the links.