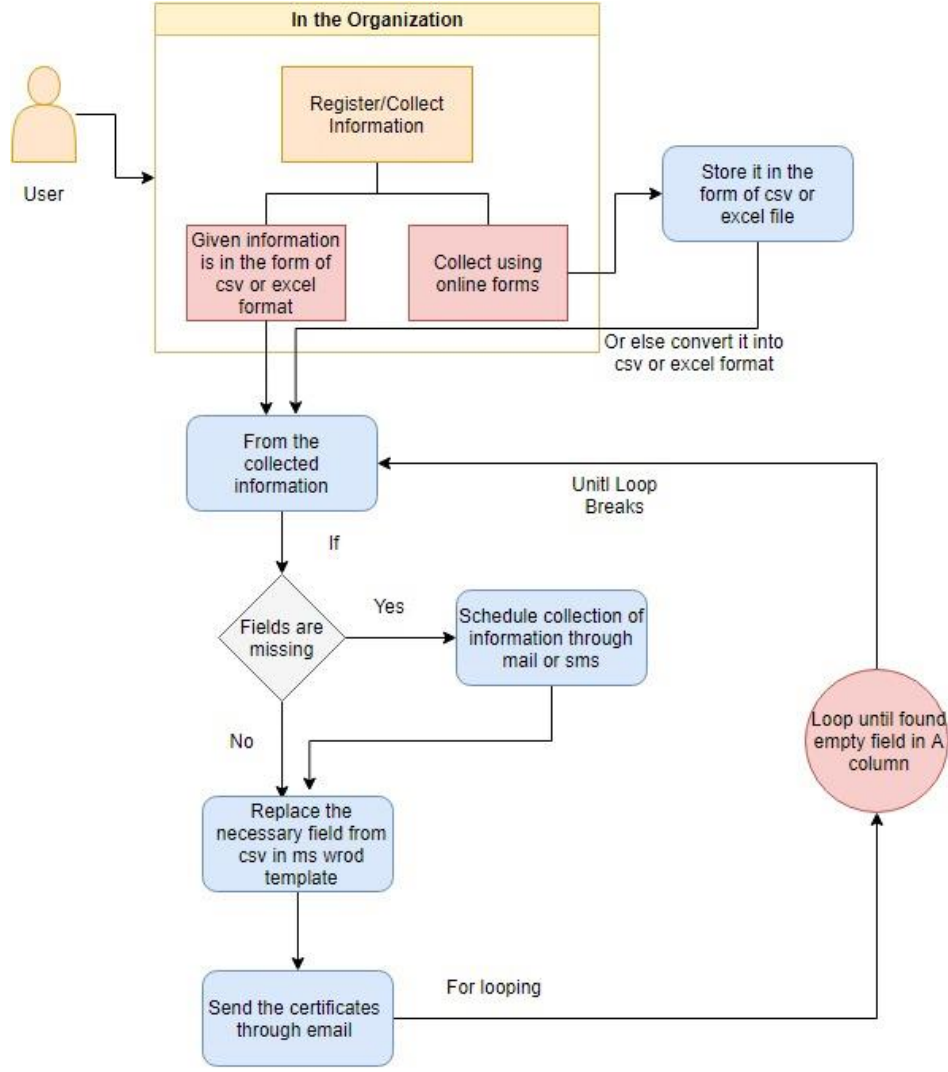


# DAYANANDA SAGAR COLLEGE OF ENGINEERING

## PROJECT SYNOPSIS

DEPARTMENT	Computer Science and Engineering	
TITLE OF THE PROJECT	Certificate Generation	
STUDENT NAMES/ USN/ PHONE/ MAIL ID	Mahantesh Masali/1DS20CS115	7349727709/vishalmasali759@gmail.com
	Mamoon Shakeel/1DS20CS116	9149991881/mominshakeel06@gmail.com
	Manish Gowda N S/1DS20CS118	9108759041/manishgowdans2002@gmail.com
	Punith Kumar P R/1DS20CS158	6363188375/punikumar2002@gmail.com
MINI - PROJECT TIMELINE (Tentative Start date- End Date)	We are expecting to complete our project, which was started on 1 <sup>st</sup> November, 2022 on or before 31 <sup>st</sup> December, 2022	
PROJECT GUIDE DETAILS	Prof. Ramya K M	
FIELD OF PROJECT	Certificate Generator is for any organization automated to generate n number of certificates for the candidates to whom the certificate need to be generated. Technologies: Robotic Process Automation. Software: Automation Anywhere	
BACKGROUND OF PROJECT WITH REGARD TO THE DRAWBACK ASSOCIATED WITH EXISTING PRODUCT/PROJET	Certificate generation for many people is a repetitive task, which takes a long time. As it is a long task to complete this repetitive process, we can automated this to generate certificates. Even the input for this automation if taken by the people through the form into the excel sheet.	
OBJECTIVE OF THE PROJECT	The objective of our project is to generate the certificate to the people and send certificate to their respective email.	
PROJECT STATEMENT	Certificate generation for many people and sending the respective certificate to their respective email is a repetitive and the complex task.	
SUMMARY OF THE PROJECT	<ul style="list-style-type: none"><li>• A form is created to take the input details of the certifier.</li><li>• The bot created a excel file of the certifier details.</li><li>• It replaces the contents in the template provided with the required details.</li><li>• It generates the certificate the certifiers.</li><li>• Then it sends the mail with the attached certificate to the respective mails of the certifier.</li></ul>	
MODE OF CARRYING OUT THE PROJECT (Give details such as Lab/ /Innovation Lab details.)	<ul style="list-style-type: none"><li>• Carried out using the Robotic Process Automation Technology.</li><li>• Software used is Automation Anywhere.</li></ul>	

# DAYANANDA SAGAR COLLEGE OF ENGINEERING

<p><b>INTENDED BENEFICIARIES OF THE PROJECT</b> (industrial/commercial/R &amp; D/social)</p>	<ul style="list-style-type: none"> <li>• This project removes the repeated work of an organization of certifying the people with the certificate.</li> <li>• This also removes of sending the respective certificated to the certified person.</li> </ul>
<p><b>ABSTRACT</b></p>	<p>Remove the repeated task of making certificate for the people using the robotic process automation. Certificate generation for many people and sending the respective certificate to their respective email is a repetitive and the complex task. The objective of our project is to generate the certificate to the people and send the respective certificate to their respective email. We created a bot in Automation Anywhere which does all the required process</p>
<p><b>System Flow Diagram</b></p>	 <pre> graph TD     User((User)) --&gt; Register[Register/Collect Information]     subgraph In_the_Organization [In the Organization]         Register --&gt; Given[Given information is in the form of csv or excel format]         Register --&gt; Collect[Collect using online forms]     end     Collect --&gt; Store[Store it in the form of csv or excel file]     Store -- "Or else convert it into csv or excel format" --&gt; From[From the collected information]     Given --&gt; From     From --&gt; Missing{Fields are missing}     Missing -- Yes --&gt; Schedule[Schedule collection of information through mail or sms]     Schedule --&gt; From     Missing -- No --&gt; Replace[Replace the necessary field from csv in ms word template]     Replace --&gt; Send[Send the certificates through email]     Send -- "For looping" --&gt; Loop((Loop until found empty field in A column))     Loop -- "Until Loop Breaks" --&gt; From </pre> <p>The flowchart illustrates the process of generating and sending certificates. It begins with a User interacting with the 'In the Organization' system to 'Register/Collect Information'. This leads to two parallel paths: 'Given information is in the form of csv or excel format' and 'Collect using online forms'. The latter path leads to 'Store it in the form of csv or excel file', which then feeds into 'From the collected information' (either directly or via a conversion step). A decision point 'Fields are missing' follows. If 'Yes', it triggers 'Schedule collection of information through mail or sms' before returning to 'From the collected information'. If 'No', it proceeds to 'Replace the necessary field from csv in ms word template', then 'Send the certificates through email'. This step enters a loop 'Loop until found empty field in A column', which eventually leads back to 'From the collected information' when the loop breaks.</p>

DAYANANDA SAGAR COLLEGE OF  
ENGINEERING