



**DEPARTMENT OF COMPUTER SCIENCE  
DATA SCIENCE LAB  
PROJECT PROPOSAL FORM**

<b>SEMESTER</b>	<b>SPRING</b>	<b>CLASS AND SECTION</b>	<b>BSIT-6A</b>
<b>TITLE OF PROJECT</b>			
<b>Face Recognition Attendance System</b>			
<b>GROUP MEMBERS</b>			
<b>S#</b>	<b>Student(s) Name</b>	<b>Enrollment Number</b>	
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<b>EXECUTIVE SUMMARY OF PROJECT PROPOSAL</b>			
<p>In this project we are going to made attendance system which increases the authentication. In this project we have camera module the student come in front of camera. The camera module will take the input and python will check that is there is human face in frame or not. If there is human face than it will compare the face with database data and if it matches then system will mark attendance.</p>			
<b>PROJECT PURPOSE</b>			
<p>► The purpose of this project is to build a face recognition-based attendance system for employees working in an organization in order to improve and upgrade the current attendance system to make it more efficient and effective than before where a human will stand in front of the system and a camera will match the face along with its database.</p>			
<b>PROJECT SCOPE AND OBJECTIVES</b>			
<p><b>Technologies:</b> Python (Google Collab), MS Excel, File Explorer.</p>			
<b>PROJECT DESCRIPTION (most important part)</b>			
<p>Attendance tracking is the most difficult task in any organization. Face recognition is a biometric technique that determines whether the image of a person's face matches any of the face images stored in a database. The facial recognition feature embedded in the attendance monitoring system not only ensures accurate attendance but also eliminates flaws. Using a system to overcome defects not only saves resources but also reduces human intervention in the overall process by delegating all complex tasks to the system.</p>			



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ASSUMPTIONS AND CONSTRAINTS
<p>▶ The accuracy of the system is not 100%. It can only detect face from a limited distance.</p>
PROJECT DELIVERABLES
<p><b>Project deliverables are:</b></p> <ul style="list-style-type: none"><li>Fulfilling a particular objective of the project</li><li>An Attendance management system will be delivered.</li></ul>

For Teacher Use Only
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REMARKS (if any)

<b>Course Teacher:</b>		<b>Signature</b>		<b>Date:</b>	
<b>Lab Teacher:</b>		<b>Signature:</b>		<b>Date:</b>	

<https://nevonprojects.com/face-recognition-attendance-system-using-python/>