

# Portable Biometric Attendance System

Team Id: 259607

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How does the Portable Biometric Attendance System can be a Better opinion to ease the attendance Method?

## **Project objective**

The intention to develop Attendance Management System is to advance the tradition way of taking attendance. Another purpose for developing this project is to generate the desired reports automatically at the end of the session or between the session as per requirement. This project is basically a self-contained system which runs on the system on which it has been installed under the user control and it will work for a particular institute or college.

## **AEIOU Canvas**

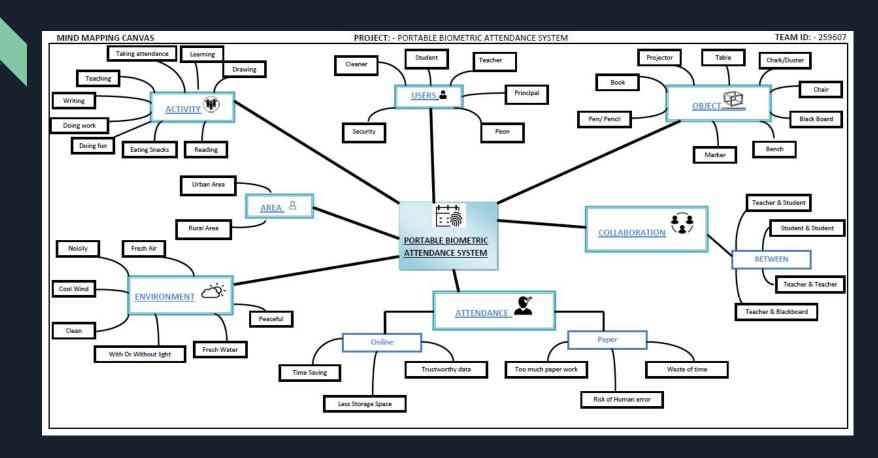
#### **AEIOU Canvas**

AEIOU Summary Team Id - 259607 Date - 10/10/2020 Version - 1.0

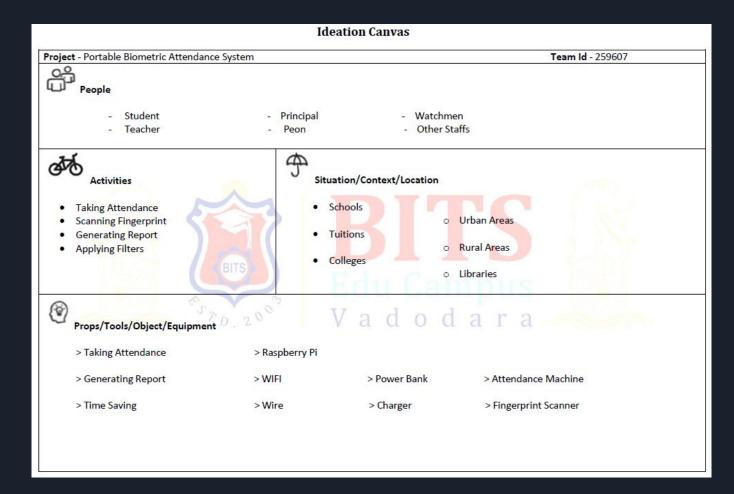
Domain Name - Portable Biometric Attendance System

#### **Environment** Interactions Objects Fresh Air Teacher to Student Bench Cool Wind Student to Student Chalk/Duster Clean Student to Teacher Table Fresh Water Teacher to Teacher Marker Peaceful Teacher to Parents Chair Noisy Parents to Teacher Books · With or without light · Teacher to Blackboard Projector Pens Black Board Activities Users Student Learning Security Guards Doing Fun Teacher Teaching Writing Principal Playing Peon Listening Swiper Eating Snack Reading Doing Work

## Mind Map Canvas



## Ideation Canvas



# Product Development Canvas

Product Development Canvas	Project – Portable Biometric Attendance System	Team Id - 259607
Purpose	Product Experience	Customer Revalidation
Taking Attendance Time Saving Ruling Out Unnecessary Noise Ease the method of taking Attendance	Better response     Working as Per Assumption     Time Saving  Product Functions Online Working (Wi-Fi Compulsory) Report Generation	Detecting Unregistered Fingerprint     Multiple Filters to generate report     Student In and Out Timing     Generation of report in .xls form
People  Students  Faculties  Security Guard  Peon  Sweepers	Product Features  Registering Attendance  Proper Report Generation  Sorting reports using multiple Constraints  Components  Fingerprint Scanner  Raspberry Pi 3 / ESP32	Reject, Redesign, Retain  Proper Internet Connection  Cost of Device  Web Portal Design  Accessibility

## **Empathy Canvas**

Design for – Students and Teachers  Date - 10/10/2020	Design By – Parth Naresh Patel Patel Vaidehi Parimal Patel Vedantkumar Bharatbhai Nishita Dharmendrakumar Patel Version - 1.0	
User  Students Teachers Principal Peon Watchmen Other staff	Stakeholders  Teachers Principal Students	
Activities  Learning Teaching Reading Taking Attendance Listening Doing work Doing fun Drawing Writing	BITS Edu Campus Vadodara	

## Story Boarding

#### Нарру

Faculty are ecstatic as the time which they had to use for attendance would be reduce and it would become easy for them and eliminates the duplicate data entry and errors in time and attendance entries won't be there.

### Нарру

Students being in lectures sometimes their attendance is being not marked because of the coordination or some other reasons that would not happen and everyone who is present their attendance will be counted.

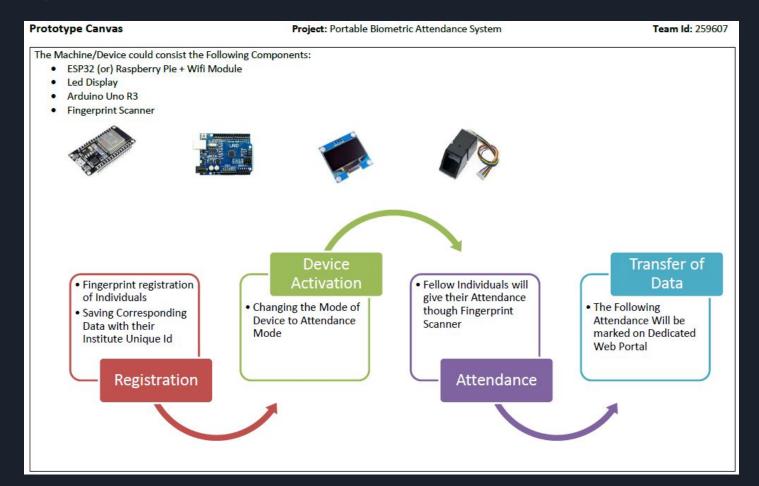
#### Sad

If any student could not attend the lecture due to some reason, so he came up with an idea that his attendance will be filled by one of his friends they did the same thing and the faculty came to know about their deed which made them poignant.

#### ad

While taking attendance there will be a long queue or going one by one and no one will be listening to the faculty and for that reason the faculty is sad.

## Prototype Canvas



# Thank you!

