

Weekly Progress Report

COMPANY NAME: TechBatch

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What were your plans and goals for this week? What was the individual task of each member of your team?

This week, our main focus was on choosing the right components for IR communication and target detection. We organized a collective effort to conduct market research for these components. Each team member was assigned the task of searching online for essential items like IR transceivers and microcontrollers. The approach was collaborative, with everyone contributing to the overall effort, ensuring a unified and efficient process.

Have you met your goals?

We've made good progress in defining our goals and narrowing down the components and tools for our project, with a particular focus on IR communication and target detection. Along the way, we've gathered valuable insights into the quality of available products in the market, helping us identify the candidate ones for our project. Overall, we're on track and have a clearer direction for the next steps.

What were the challenges that you encountered?

- Product selection was not easy. There were many options, and we were not fully sure which one to select.

What are the questions (if any) that you would like to discuss this week?

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What are your plans and goals for next week? Assign tasks to each individual member.

Next week, our focus is on shaping the content of our test document, outlining the subsystems and components to showcase in the upcoming demo. Here's our plan:

Reliable Communication (IR Emitter and Transmitter): We aim to demonstrate the dependable communication between an IR emitter and an IR transmitter. Our approach involves deploying IR components on a microcontroller card and showcasing the reliability of communication by manually moving the cards.

Target Detection: For target detection, we're considering the use of an NFC tag or a similar tool. The test demo will involve placing the NFC reader on our microcontroller and the NFC tag on the ground, symbolizing the target. This setup will allow us to validate the effectiveness of our target detection system.

As the next step, we plan to purchase the required components to start the implementation phase. Each team member will be assigned a specific subsystem or part of a subsystem to work on.