REPORT WEEK (10/20/2023)

In this week's update, we focused on calculating the power requirements for our project, considering both the sleep mode and normal mode. These calculations were a crucial step in ensuring our device's energy efficiency. We determined the power consumption per day and analysed how different operating modes would impact the overall power usage.

Moving forward, our plan is to prioritize prototyping the previous version of our device. We aim to get it up and running by the end of this week, which will allow us to conduct practical tests and further refine our design.

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	Normal Mode: 100 mA with Wisi This are beaks. Light Sleep: 2 mA no Wifi. Deep sleep: 100 mA with Wisi This are beaks.
100	Now considering: Acart operates 7 days a week. (no weekends).
g v	1- Each day 7 67 XIM ITTHE ON trend portigit. *
net.	12 hr working hr. 12 hr working hr. 12 hr Non working hr. (100 mA).
	On an avg 15 min * 4 shifts = 1 hr. (100 mA) Energy Current consumption by board in 24 hr:
	100 x 10 - 3 x 1 x 60 x 60 x 8.3 + 100 x 10 - 6 x 23 x 60 x 60 x 3.3 when in use when ideal
	$= 100 \times 10^{-3} \times 60 \times 60 \times 3.3 \left(1 + 23 \times 10^{-3} \right)$
	= 6x6x33(1.023) = 1215.824 J
	Now getting Amph consumed beer day: $= \frac{1215.324}{\text{CO} \times 60 \times 3.3} = 0.1023 \text{ Ah consumption a day.}$
CS s	= 102.3 mAh Consumption II h.

