

# INDOOR PATIENT MONITORING DEVICE

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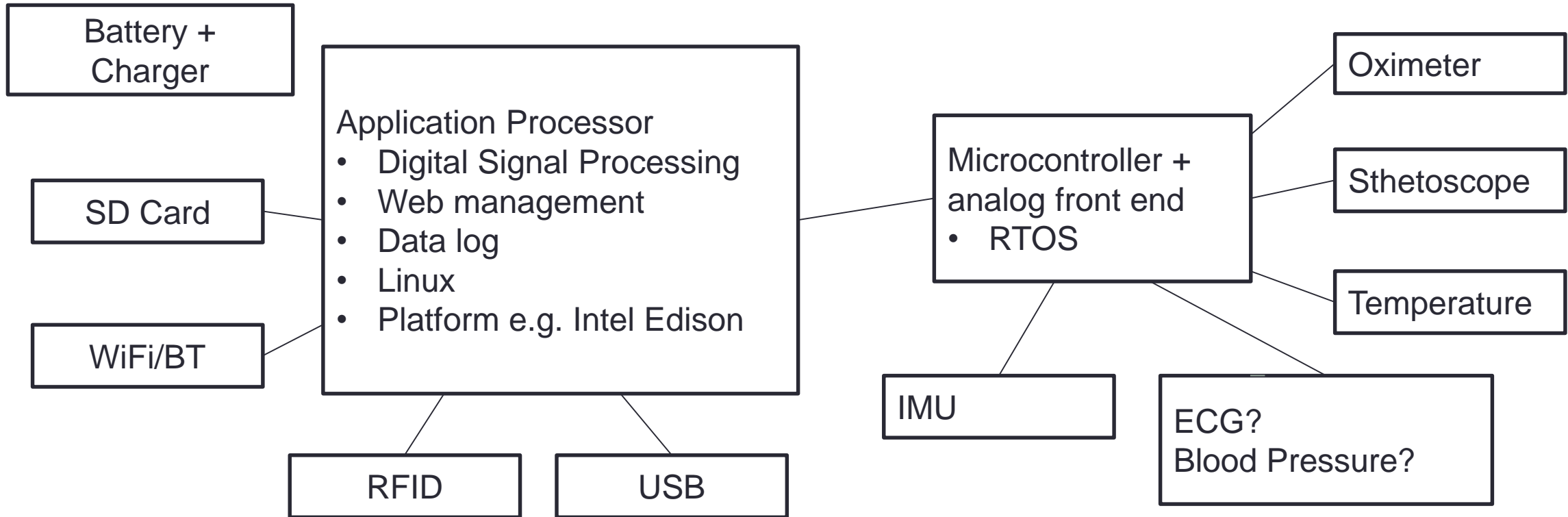


# Business Opportunity

- Development of a wearable platform for real time vital signs monitoring connected to the Hospital's wireless network, providing services like data log (prescriptions, exams, vitals history), data analysis, instant messaging and alarms.
- This device would allow patient monitoring outside the bed, facilitating access to the patient's information and data as they are stored in the cloud.



# Description of product



# Market overview

- Market target: Hospitals
- There are devices that are able to measure the patient vital signs, but they are in general large and disconnected from the hospital's network.



# Development plan

- Timeline for development would be at least two years.
- The first semester would be dedicated to developing the required sensors, by either adapting the existing ones, or building new devices using components available in the market.
- Later development would be focused on web services and wireless communication.
- Estimated hardware/basic software cost per unit around USD 1000 to USD 2000.
- Development costs for the first semester around USD 2000.

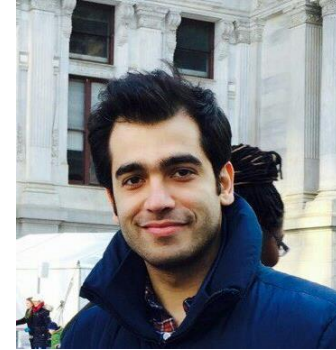


# Team



**Pedro P. V. Tecchio** received his bachelor degree in Electrical - Electronic Engineering from University of São Paulo in 2010. He is now pursuing Ph.D. degree in ESE at UPenn. His main background is in embedded systems design.

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