

# PEDIATRIC MONITORING DEVICE



# Problem Addressed :

- Seasonal changes
- Sick Conditions
- Monitoring the health of children by caretakers



# Solution:

- Our device detects the temperature of children and alerts the caretakers.
- Our device also detects sudden increase in temperature which may lead seizures.



# Technological Stack :

- Arduino Nano
- Temperature sensor(LM35)
- Vibration Sensor(SW420)

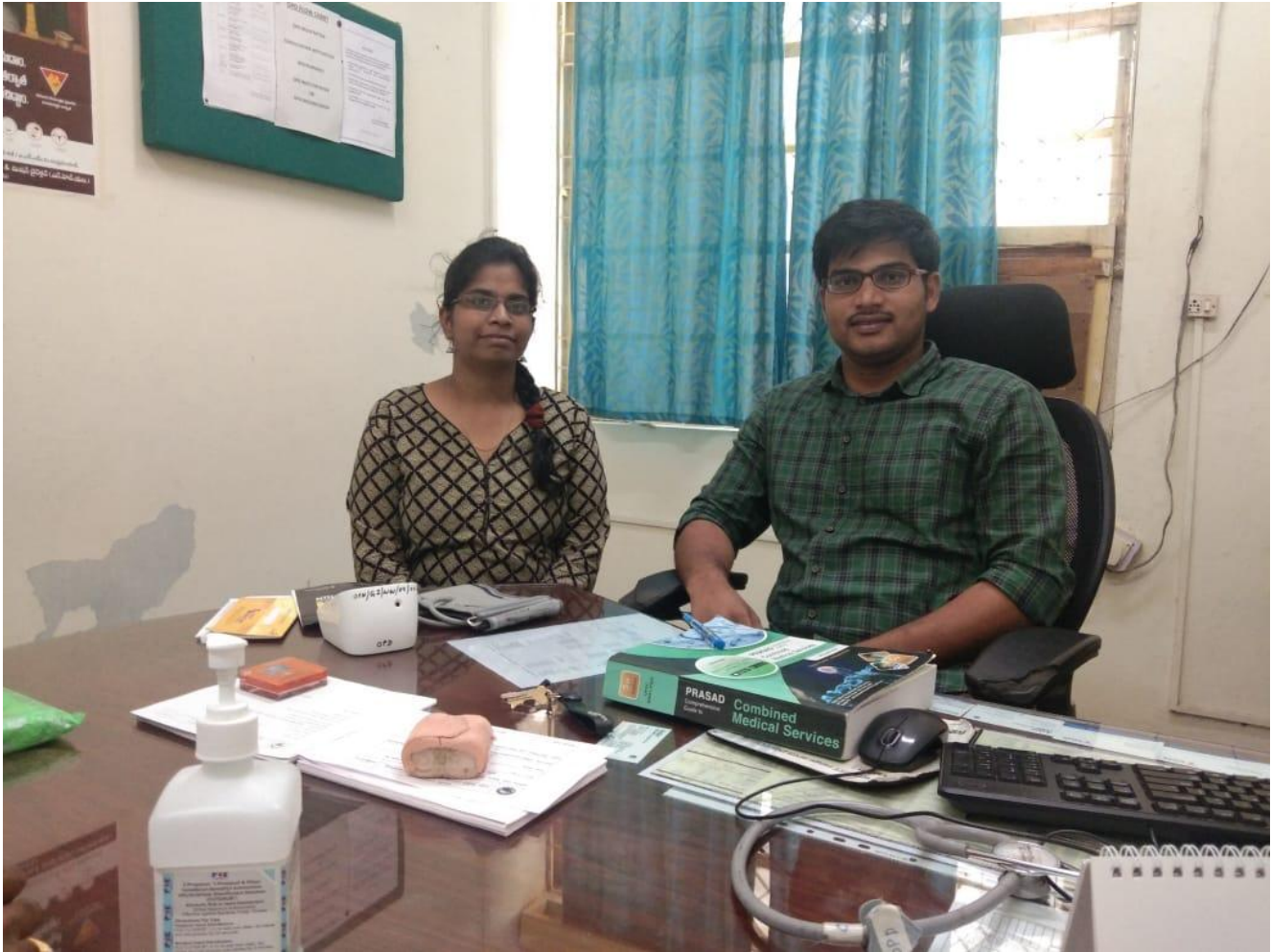
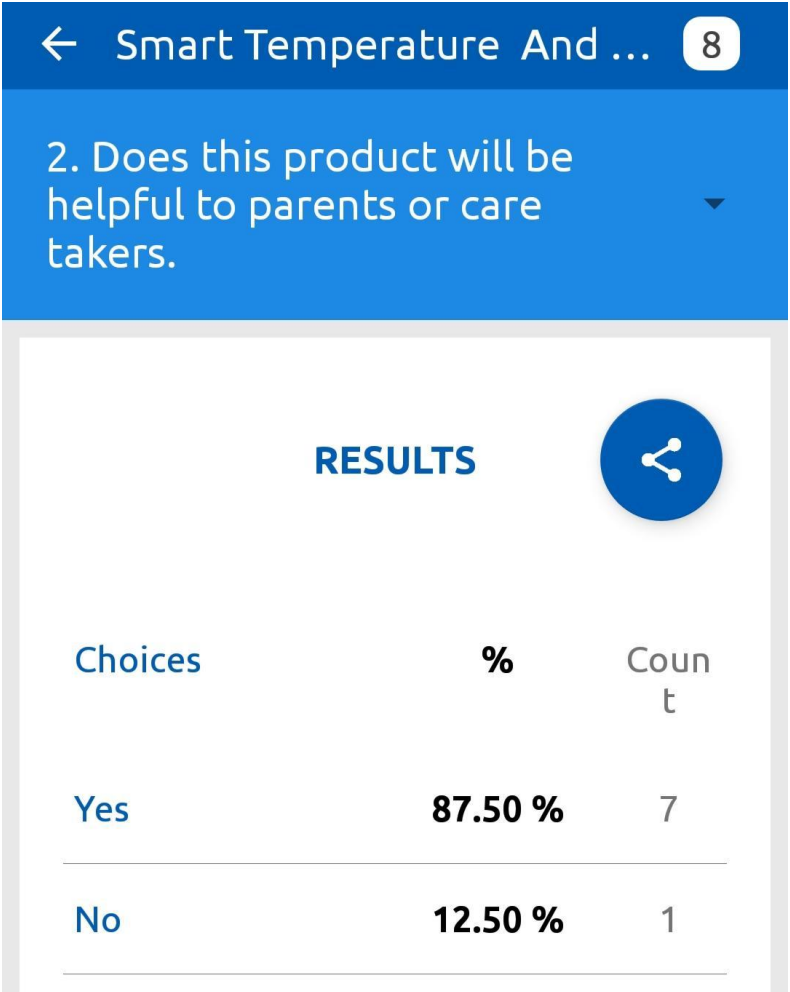


# Value Proposition :

- Real Time Monitor.
- Reducing the Stress on Parents.
- Wearable Device



# Market research:





Dr. Anu Rekha  
Pediatrician

Govt Mohan Kumara Mangalam  
Medical College  
Salem

Dr. Vamsi Krishna Sirpa  
Pediatrician, DCH

Madhu's Mother and Child Clinic,  
Nizampet



# Competitors

- DS01 Intelligent Wearable Thermometer.

Uniqueness:

- Our device detects sudden increase in temperature.
- It also alerts during febrile seizures.



# Marketing Strategy

Customers :

Pediatricians

Pharmacies

Parents

Caretakers.

Consumers :

Children

Channels :

Posters

Social media, recommendations from doctors.

# Financials

## Manufacturing Cost:

Arduino nano - 190/-

LM35 Temperature Sensor - 80/-

SW420 Vibration Sensor - 200/-

Buzzer - 30/-

Total (Including Non-Tech cost and others) - 1000/-

Price of the product - 2000/-

# Team :

P.Akhila  
ECE(II year)  
Programmer

M.Satya Sai Harshitha  
ECE(II year)  
Technician and  
Marketing Researcher