M.S.Ramaiah Institute of Technology
(An Autonomous Institute Affiliated to VTU)

"Pradarshana - 2016"
Open Day - Project Exhibition

Digital Health Suite

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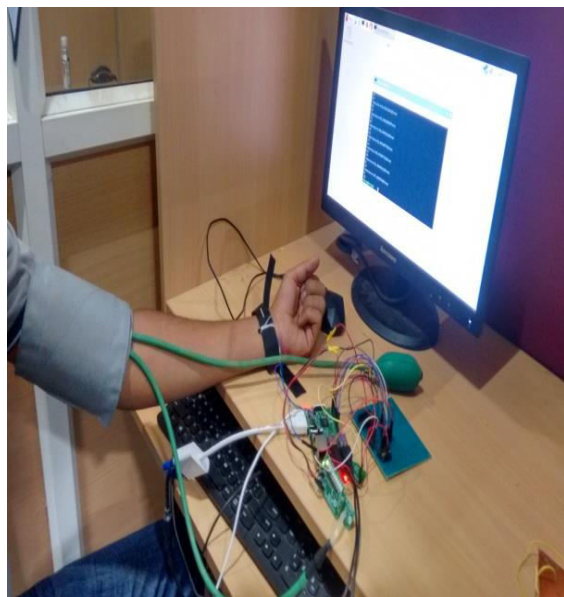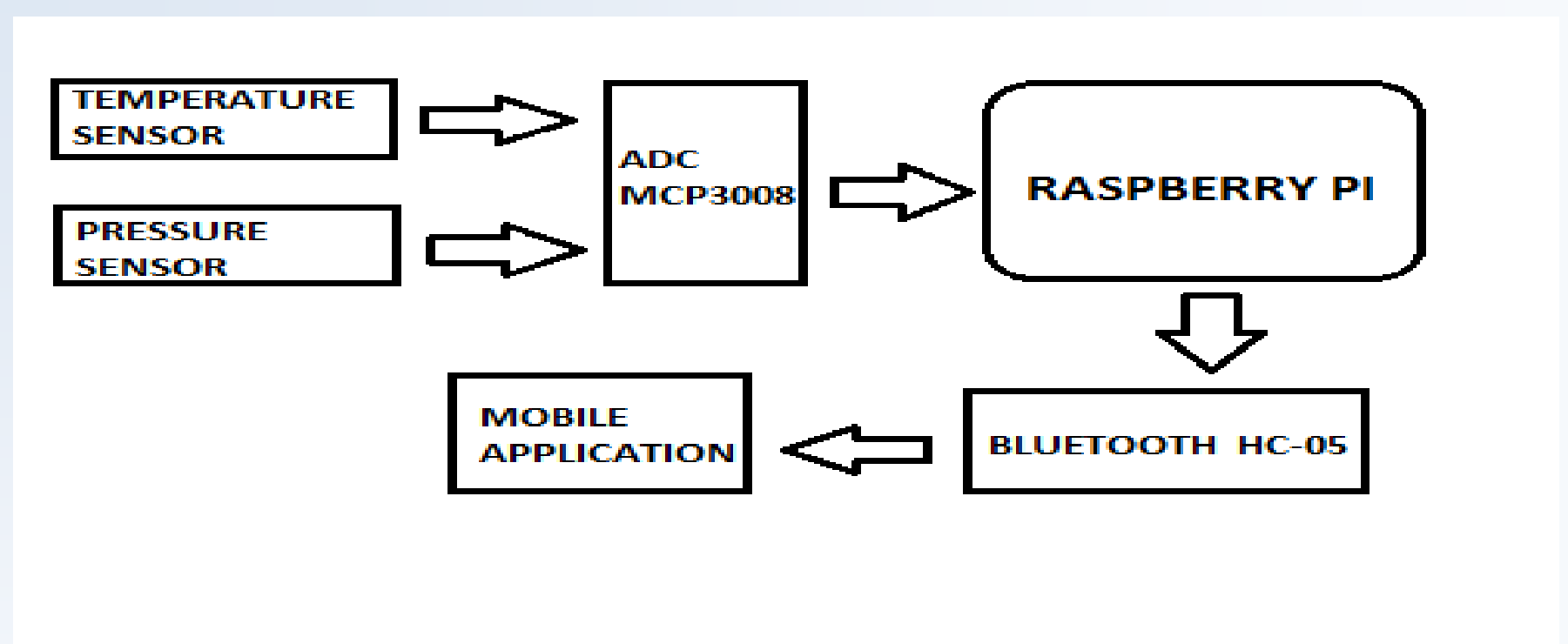## Objective
"To develop a prototype device which measures the temperature and blood pressure of the subject and displays data in the mobile application."

Background
Rural India, in particular, has not been able to afford basic medical services due to lack of access to affordable equipment and even due to less in number of doctors. As a result, many citizens are left with no choice but to skip their regular heath check-ups which could lead to a delay in diagnosis of fatal cardiovascular and respiratory disorders. Hence there is a huge need to develop a simplified healthcare screening tool that shows a clear indication of symptoms and also is affordable.
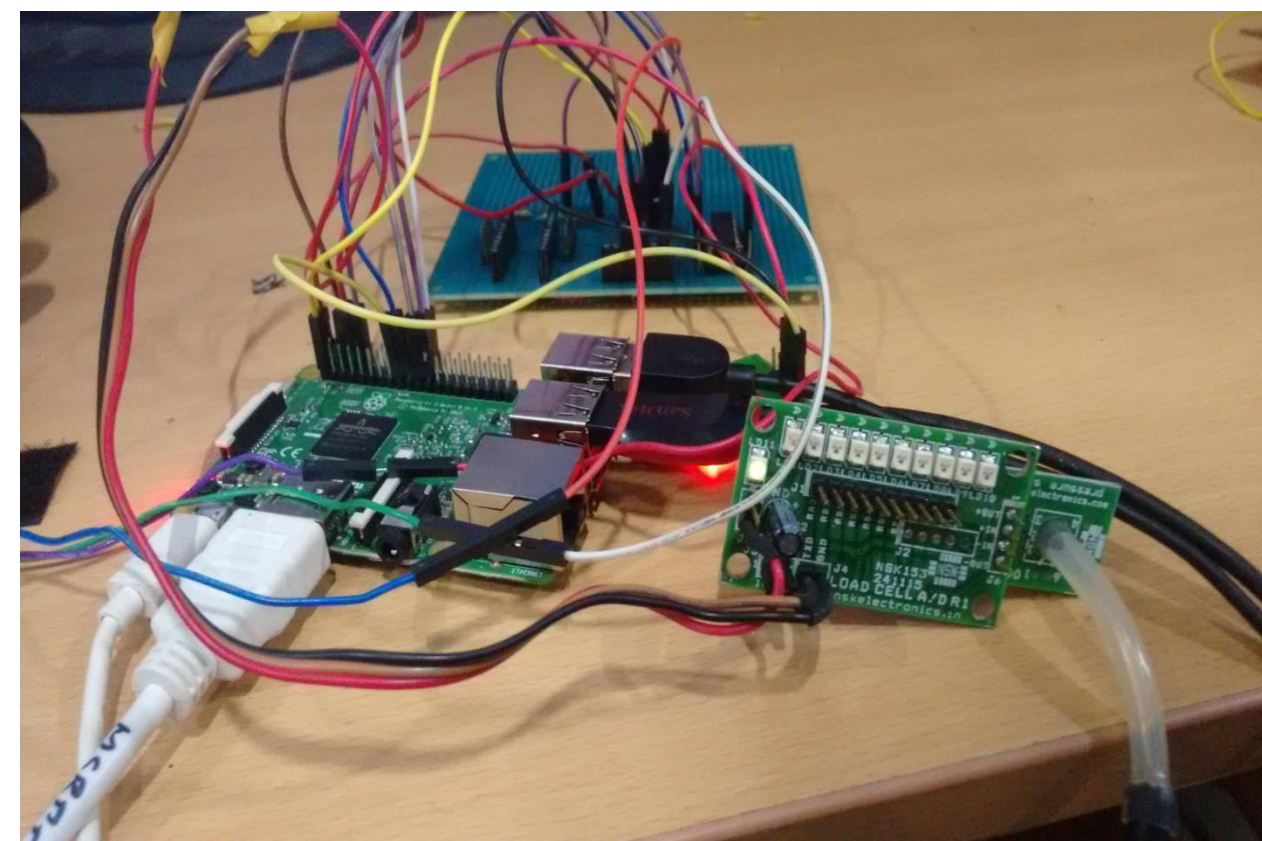

Methodology

Conclusion
To make a prototype device that acquires and processes the two parameters that is blood pressure and body temperature. This data is sent through Bluetooth to the mobile application and display the same.

References:
Mundt, Carsten-''Life guard-A Vital Signs Monitoring System''.
AMESAstrobionics, February(2004)<http://lifegaurd.standford.edu/lifegaurd_writeup_medium.pdf>