VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELGAUM – 590014

K. L. E. SOCIETY'S
B. V. BHOOMARADDI COLLEGE OF ENGINEERING & TECHNOLOGY
HUBLI – 580031
(An Autonomous Institution)

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

A Project Report on

AN AUTONOMIC MOBILE COMPUTING SYSTEM FOR CARDIAC PARAMETER MONITORING WITH ALERT MECHANISM

Under the guidance of

Ms.Mahalaxmi Bhille

Submitted by

Mr.Chetan Anand	**2BV07IS019**
Ms.Megha Dalvi	**2BV07IS038**
Ms.Shraddha Upadhya	**2BV07IS096**
Mr.Siddhartha Hansraj	**2BV07IS101**

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ABSTRACT

An Autonomic mobile computing system for cardiac parameter monitoring with alert mechanism is being built to constantly monitor and analyze the user's blood oxygen level (SpO2), heart rate and plethysmographic signal in a light-weight fashion.. This system is useful for hypertensive patients in normal situation and specifically in emergency situations. Our system senses and records the parameters and converts them to digital data, checks for emergency situation and sends them through mobile as a message to the android mobile application.. After getting the message GPS tracker is triggered to track the location of the person. Then through google maps, exact location is extracted and sent as messages to the saved contacts in the application. During normal situation, patient's cardiac parameters are continuously monitored.