VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Belgaum - 590014, INDIA

"SMART LIFE RESCUE SYSTEM "

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A
PROJECT REPORT

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BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE AND ENGINEERING

BY

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ABSTRACT

The designed and proposed Smart Life Rescue System (SLRS), based on Global Positioning System (GPS) and Global System for Mobile Communication (GSM) services, exclusively designed to handle the consequences caused by disaster such as tsunami, flood, earthquake, cyclone etc. The need of such an effective SLRS is important, where the population density is high and the place in which people live in danger situations. The proposed SLRS is intended to provide timely help to the affected victims and tardy response of relief works. To the general public, the system provides the information of getting the medical aid and relief materials to the deceased victim. SLRS incorporates with GPS and GSM web services to identify the affected areas and possible routes to reach the location. The system consists of two important services, rescue and shelter facility. In addition to these services, the proposed SLRS also provides a web site for real time information about the disaster.

The project highlights are registration of people and rescuer, rescuing people based on shortest distance algorithm, constant monitoring of victims and rescuers, registering victims to nearby shelters, providing real time information through website, availability of victims information via website.