

# DENGUE ANALYTICAL SYSTEM

A PROJECT REPORT

BY

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Registration Number: SEU/IS/06/MG/22

Index Number: MG 0497

This dissertation is submitted in partial fulfillment of requirements for the special degree of Bachelor of Business Administration of the Faculty of Management and Commerce,

South Eastern University of Sri Lanka

Bachelor of Business Administration (special) Degree Program

Management Information System Unit

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## **Abstract**

Dengue fever / dengue hemorrhagic fever (DF / DHF) is the most important emerging virus disease affecting half of world's populations. It is estimated that there are 80 to 100 million cases of DF and about 500,000 cases of DHF which requires hospitalization every year. As far as concern whole countries in the world Sri Lanka also one of the leading country affected by the dengue. More than 100 people affected and death every year, which is has been increasing in Sri Lanka, where there is currently no post- Secondary institution nor any research program devoted to analyze the dengue. It is therefore important to have a plan of action for dealing with dengue that arises unexpectedly.

The "Dengue Analytical System" (DAS) proposed primary to responds to regional needs created by dengue. Initially it will address the problem of dengue, thereby giving the correct and efficient solution immediately. It will develop dengue analytical strategies and extension program for dengue relief rescue and preparedness in short term as well as long term. As the Internet becomes a ubiquitous platform for sharing information, a browser based application used to provide the solution.

This project proposal shows the background and the threatening of dengue in a descriptive manner and also demonstrates aims, objectives and initial research for the project along with a preliminary project plan and timescale. The proposed system describes the processes, Methodologies and technology that established the system, the existing solutions and the literature review will towards the proposed system to the exact path. The budget outlines the cost of the whole project and the proposal defines the risk analysis as a factor to consider in the proposed system.

The ultimate expectation of this proposal is to reduce the spreading the dengue and control in Sri Lanka through the "Dengue Analytical System"