

Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY

A
PROJECT REPORT
On

“HEALTH CARE MANAGEMENT”

Submitted in the Partial fulfillment of the requirements for the 8th Semester of B.E Degree in

Computer Science Engineering
Of

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM

By

SHAMA ANJUM SHAMBAVL.R GOWTHAMLE.D GOWTHAMI.TS
(1GV13CS052) (1GV13CS053) (IGV13CS019) (IGVI3CS022)

Under the guidance of

Mrs. SHALINI.G

Asst. Prof, Dept. of CSE



2016-2017

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING,

Dr.T.THIMMAIAH INSTITUTE OF TECHNOLOGY,
Oorgaum, Kolar Gold Fields -563 120.

VISVESVARAYA TECHNOLOGY UNIVERSITY
“JNANA SANGAMA”, BELGAUM-590014



A
PROJECT REPORT
On

“HUMAN RECOGNITION THROUGH A WALL”
Submitted in the partial fulfillment of the requirement for the award of Degree of

BACHELOR OF ENGINEERING
In
COMPUTER SCIENCE AND ENGINEERING
By

E D GOWTHAMI
GOWTHAMI T S
SHAMA ANJUM
SHAMBAVI R

1GV13CS019
1GV13CS022
1GV13CS052
1GV13CS053

Under the guidance of
Mrs. SHALINI G
Asst.Prof., Dept. of CSE.



2016-2017

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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Oorgaum, Kolar Gold Fields-563 122

**DR. T. THIMMAIAH INSTITUTE OF TECHNOLOGY
OORGAUM, K.G.F. – 563 120 (KARNATAKA)**



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CERTIFICATE**

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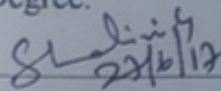
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Is bonafied work carried out by

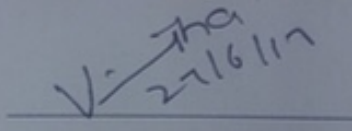
**E D GOWTHAMI
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SHAMA ANJUM
SHAMBAVI R**

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1GV13CS053**

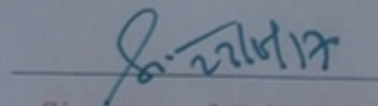
In partial fulfillment for the award of degree of **Bachelor of Engineering** in Computer Science and Engineering of **VISVESWARAYA TECHNOLOGICAL UNIVERSITY**, Belgaum during the year **2016-2017**. It is certified that all corrections suggestions indicated for internal assessment has been incorporated in the report kept in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.



Signature of Guide
(Mrs. SHALINI.G)



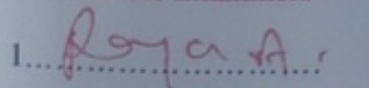
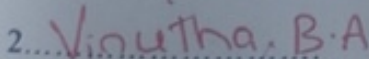
Signature of HOD
(Mrs. VINUTHA B.A)



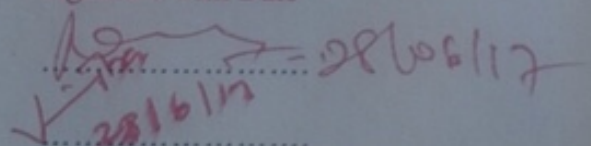
Signature of Principal
(Dr. SYED ARIFF)

External Viva-Voice

Name of the Examiners

1. 
2. 

Signature with Date



VISVESWARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA", BELGAUM-590014



A
PROJECT REPORT
On

"BLOOD BANK MANAGEMENT SYSTEM"

Submitted in partial fulfillment of the requirements for the Award of the Degree of

BACHELOR OF ENGINEERING
In
COMPUTER SCIENCE & ENGINEERING
By

ASHWINI J

B POOJA

HEMADARSHINI R

SANDHYA S

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2016-2017

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CERTIFICATE

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Is a bonafide work carried out by

ASHWINI J

IGV13CS004

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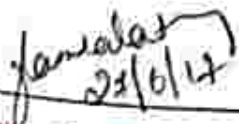
HEMADARSHINI R

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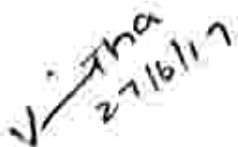
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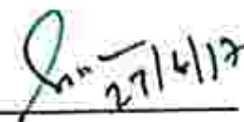
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The project report has been approved as it satisfies the academic requirements in respect of project
work prescribed for the said degree.



Sign of Internal Guide
Mrs. Hamsalatha J



Sign of HOD
Mrs. Vinutha B. A



Sign of Principal
Dr. Syed Ariff


Name of the Examiners


External Viva

Signature with Date

1. B.A. Vinutha

2. Jaya A.







12th May 2017

CERTIFICATE

This is to certify that Ms. ASHWINI J, a bonafide student of Dr. T. Thimmalah Institute of Technology, Kolar Gold Fields, Karnataka has completed her project work at Tata Consultancy Services from 9th January 2017 to 12th May 2017 in partial fulfillment for the award of Bachelor of Engineering Degree.

Her project was titled "Blood Bank Management System" and she was working under the guidance of Mr. Sachin Tiwari

It is certified that she has completed the project work satisfactorily.

Mr. Sachin Tiwari
Project Guide
Tata Consultancy Services
Bangalore

Mr. Sreenivasa Ramahujam
Academic Relationship Manager
Tata Consultancy Services
Bangalore

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12th May 2017

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This is to certify that Ms. B POOJA, a bonafide student of Dr. T. Thimmaiah Institute of Technology, Kolar Gold Fields, Karnataka has completed her project work at Tata Consultancy Services from 9th January 2017 to 12th May 2017 in partial fulfillment for the award of Bachelor of Engineering Degree.

Her project was titled "Blood Bank Management System" and she was working under the guidance of Mr. Sachin Tiwari.

It is certified that she has completed the project work satisfactorily.

Mr. Sachin Tiwari
Project Guide
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Mr. Sreenivasa Ramamurthy
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12th May 2017

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It is to certify that Ms. HEMADARSHINI R. a bonafide student of Dr. T. Thimmaiah Institute of Technology, Kolar Gold Fields, Karnataka has completed her project work at Tata Consultancy Services from 9th January 2017 to 12th May 2017 in partial fulfillment for the award of Bachelor of Engineering Degree.

Her project was titled "Blood Bank Management System" and she was working under the guidance of Ms. Deepika Y J.

It is certified that she has completed the project work satisfactorily.

Deepika Y.J.

Ms. Deepika Y.J.
Project Guide
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Mr. Sreenivasa Ramanujam

Mr. Sreenivasa Ramanujam
Academic Relationship Manager
Tata Consultancy Services
Bangalore

TATA CONSULTANCY SERVICES

Tata Consultancy Services Limited

Company No. 1120273, dated 11/01/2007, registered office: 100, Narayana Padma, Bangalore

Place: Bangalore, India. Date: 12/05/2017




12th May 2017

CERTIFICATE

This is to certify that Ms. SANDIYA S, a bonafide student of Dr. T. Thimmalah Institute of Technology, Kolar Gold Fields, Karnataka has completed her project work at Tata Consultancy Services from 9th January 2017 to 12th May 2017 in partial fulfillment for the award of Bachelor of Engineering Degree.

Her project was titled "Blood Bank Management System" and she was working under the guidance of Ms. Deepika Y J.

It is certified that she has completed the project work satisfactorily.


Ms. Deepika Y J
Project Guide
Tata Consultancy Services
Bangalore


Mr. Sreenivasa Ratnamajam
Academic Relationship Manager
Tata Consultancy Services
Bangalore

SYNOPSIS

The purpose of this study was to develop a blood management information system to assist in the management of blood donor records and control the distribution of blood in various parts of the country based on the hospital demands. Without quick and timely access to donor records, creating market strategies for blood donation, lobbying and sensitization of blood donors becomes very difficult.

The blood management information system offers functionalities to quick access to donor records collected from various parts of the country and to maintain the management of blood donor records and to easily control the distribution of blood online. It enables monitoring of the results and performance of the blood donation activity such that relevant and measurable objectives of the organization can be checked. It provides confidential and secure medical reports that facilitates planning and decision making and hence improved medical service delivery.

The reports generated by the system give answers to most of the challenges management faces as far as blood donor records are concerned. Blood is a saver of all existing lives in case of emergency needs. The task of blood bank is to receive blood from various donors, to monitor the blood groups database and to send the required blood during the need to the hospital in case of emergencies. The problem is not insufficient number of donors, but finding a willing donor at the right time. We want to build a network of people who can help each other during an emergency.

VISVESWARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA", BELGAUM-590014



A
PROJECT REPORT

On

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Submitted in partial fulfillment of the requirements for the Award of the Degree of

BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE & ENGINEERING

By

ASHWINI J

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“JNANA SANGAMA”, BELGAUM-590014



**A
PROJECT REPORT**

On

**“PASP: PERSONAL ACCESS FOR STUDENTS PROVIDING
MENTORSHIP AND FEEDBACK”**

Submitted in partial fulfillment of the requirements for the Award of the Degree of

BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE & ENGINEERING

By

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PREETHI. K

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the main project work entitled

“PASP: PERSONAL ACCESS FOR STUDENTS PROVIDING MENTORSHIP AND FEEDBACK”

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ASHWINI. R

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In partial fulfillment for the award of degree of **BACHELOR OF ENGINEERING** in **COMPUTER SCIENCE AND ENGINEERING** of **VISVESVARAYA TECHNOLOGICAL UNIVERSITY**, Belgaum during the year 2016-17. It is certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report kept in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Sign of Internal Guide
Mrs.Sophia S

Sign of HOD
Mrs. Vinutha B A

Sign of Principal
Dr.Syed Ariff

External Viva

Name of the Examiners

Signature with Date

1.....

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2.....

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Abstract

In this project, we present personal accessing for students to view academic details with security. Providing student-faculty mentorship and feedback system through e-communication.

For Registration: Every student and faculty have to login with their USN and faculty id respectively as user id and security password. Several options regarding college like notification, mentoring report, academic graph representation, feedback to lecturers and many other can be viewed on the home web page. Each member can select desired option to view, comment, post and also respond.

In the Mentoring report, each student can view their academic marks with feedback from respective mentor. Through Notification, students can know the latest updates of college events and information regarding academics. In the academic graph representation, we can compare student's annual performance and overall class results that is updated regularly. Through the Feedback system, students can give feedback to their respective subject faculties.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“JNANA SANGAMA”, BELGAUM-590014



**A
PROJECT REPORT
On
“ONLINE RECRUITMENT SYSTEM”**

Submitted in partial fulfillment of the requirements for the Award of the Degree of

**BACHELOR OF ENGINEERING
In
COMPUTER SCIENCE & ENGINEERING
By**

BHANU PRIYA J

1GV13CS009

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**Under the guidance of
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING CERTIFICATE

This is to certify that the main project work entitled
“ONLINE RECRUITMENT SYSTEM”

Is a bonafide work carried out by

BHANU PRIYA J

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Sign of Internal Guide
Mrs. Nisha Bai



Sign of HOD
Mrs. Vinutha B A



Sign of Principal
Dr. T. Thimmaiah Institute of Technology
Oorgaum, K. G. F- 563 120

External Viva

Name of the Examiners

Signature with Date

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ABSTRACT

This project is aimed at developing a web-based and central recruitment Process system for the HR Group for a company. Some features of this system will be creating vacancies, storing application data, and Interview process initiation, Scheduling interviews, storing Interview results for the applicant and finally Hiring of the applicant. Reports may be required to be generated for the use of the HR group.

This project '*Online Recruitment System*' is an online website in which jobseekers can register themselves and then attend the exam. Based on the outcome of the exam the jobseekers will be short listed. For fresher, the exam will be conducted at some venue after short listing of the preliminary Aptitude Test. The details of the examination, venue & Date of the examination will be made available to them through the website.

Module in this project:

1. Administrator
2. Candidate
3. Company

Brief description on the modules:

1. Administrator: Administrator has the full authority over the website. He can view all the registered users and have the power to delete them. He can edit the web pages and update them. He can view all the company details also.

2. Candidate: A candidate can register himself. After registration, he will be directed to his homepage. Here he can update his profile, change password and see the examination details and all.

3. Company: A company can register itself, conduct online examination, approve or disapprove candidates attending examination and provides results about the selected candidates.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA", BELGAUM-590014



A
PROJECT REPORT
On
"WATER LEVEL METER FOR ALERTING POPULATION
ABOUT FLOODS"

Submitted in partial fulfillment of the requirements for the Award of the Degree of

BACHELOR OF ENGINEERING
In
COMPUTER SCIENCE & ENGINEERING
By

DIVIYA PRABHA.P

1GV13CS016

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the main project work entitled

“WATER LEVEL METER FOR ALERTING POPULATION ABOUT FLOODS”

Is a bonafide work carried out by

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Sign of Internal Guide
Mrs.Sophia S

Sign of HOD
Mrs.Vinutha B A

Sign of Principal
Dr.Syed Ariff

External Viva

Name of the Examiners

Signature with Date

1.....

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2.....

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SYNOPSIS

During and after a disaster occurs the important thing is dissemination of information, a deployment of devices enabled by IoT (Internet of Things) could bring benefits in terms of giving to people information opportunely for making decisions in face of this disaster. These sensors are used to measure water level in rivers, lakes, lagoons and streams. For such purpose and to prove our concept, designed a pilot project through a micro-model that is constructed with a water level measurement sensor based on a simple open circuit that closes when in contact with water and experimentally tested into a water container under a controlled environment.

This micro-model is performed on the basis of a programmable electronic board, an electronic circuit connected to electrical resistances that are located at a specific height, within a water container; when the water level rises and reaches the resistors, varies the impedance; this shows the actual water level and so on for different heights. The information from water level sensor is transmitted via Cloud to a laptop, and then this information is also seen in smart phones, where Users can see the water level in rivers.

Finally, the micro model is tested by experimental tests under a controlled environment and satisfactory results are obtained. The electronic board used is NODEMCU 8266 which has in-built WI-FI module where the sensors values are dumped into these electronic board.

VISVESVARAYA TECHNOLOGY UNIVERSITY
“JNANA SANGAMA”,BELGAUM-590014



A
PROJECT REPORT
On
“AN ONLINE SECURITY PROTOCOL FOR NFC
PAYMENT”

Submitted in the partial fulfillment of the requirement for the award of Degree of

BACHELOR OF ENGINEERING
In
COMPUTER SCIENCE AND ENGINEERING
By

IMMANUEL Y
GOWTHAM R
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JAGADISHAD R

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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PAYMENT”**

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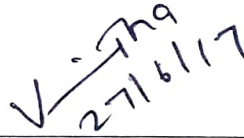
1GV12CS025

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Signature of Guide

(Mrs. Thara Devi M)



Signature of H.O.D

(Mrs. Vinutha B.A)



Signature of Principal

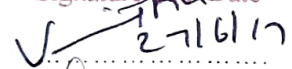
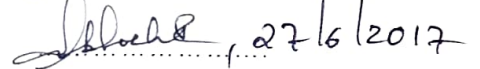
(Dr. Syed Ariff)

External Viva

Name of the Examiners

1. Vinutha, B.A
2. Subhashini R

Signature with Date


27/6/17

27/6/2017

ABSTRACT

Nowadays, NFC technology is integrated into bank cards, smart phones and sales point terminals in order to immediately execute payment transactions without any physical contact. EMV is the standard intended to secure both contact (traditional and contactless-NFC payment operations).

In fact, researchers in recent years have detected some security vulnerabilities in this protocol (EMV). Therefore, in this paper, we introduce the risks entailed by the vulnerabilities of EMV and particularly those at stake in the case of NFC payment.

Hence, in order to overcome EMV weaknesses, we propose a new security protocol based on an online communication with a trusted entity. The proposal is destined to secure contactless-NFC payment transactions using NFC bank cards that are unconnected client payment devices (without Wi-Fi or 4G).

VISVESHWARAIAH TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA", BELAGAVI-590014



A PROJECT REPORT

On

"MOTIVATEit

Staff Performance Review and Recognition System"

Submitted in the partial fulfillment of the requirements For the award of Degree of
BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING

By

MEGHA K

1GV13CS033

NAVYA SINGH V

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Signature of Guide
(Mrs. NISHA BAI .M)

Name of the Examiners

1. Roya - A.

2. Vinutha. B.A

Signature of HOD
(Mrs. VINUTHA B.A)

Signature of Principal
(Dr. SYED ARIFF)

PRINCIPAL

Dr. T. Thimmaiah Institute of Technology
Oorgaum, K.G.F. - 563 120.



12th May 2017

CERTIFICATE

This is to certify that **Ms. MEGHA K**, a bonafide student of **Dr. T. Thimmaiah Institute of Technology, Kolar Gold Fields, Karnataka** has completed her project work at Tata Consultancy Services from 9st January 2017 to 12th May 2017 in partial fulfillment for the award of **Bachelor of Engineering Degree**.

Her project was titled "**MOTIVATEit - Staff Performance Review and Recognition System**" and she was working under the guidance of Mr. Shivaprasad N S.

It is certified that she has completed the project work satisfactorily.

Mr. Shivaprasad N S
Project Guide
Tata Consultancy Services
Bangalore

Mr. Sreenivasa Ramanujam
Academic Relationship Manager
Tata Consultancy Services
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12th May 2017

CERTIFICATE

This is to certify that Ms. NAVYA SINGH V, a bonafide student of Dr. T. Thimmaiah Institute of Technology, Kolar Gold Fields, Karnataka has completed her project work at Tata Consultancy Services from 9st January 2017 to 12th May 2017 in partial fulfillment for the award of Bachelor of Engineering Degree.

Her project was titled "MOTIVATEit - Staff Performance Review and Recognition System" and she was working under the guidance of Mr. Shivaprasad N S.

It is certified that she has completed the project work satisfactorily.

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12th May 2017

CERTIFICATE

This is to certify that Ms. SOUMYA N S, a bonafide student of Dr. T. Thimmaiah Institute of Technology, Kolar Gold Fields, Karnataka has completed her project work at Tata Consultancy Services from 9st January 2017 to 12th May 2017 in partial fulfillment for the award of Bachelor of Engineering Degree.

Her project was titled "MOTIVATEit - Staff Performance Review and Recognition System" and she was working under the guidance of Mr. Shivaprasad N S.

It is certified that she has completed the project work satisfactorily.

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12th May 2017

CERTIFICATE

This is to certify that Ms. **SUNITHA M R**, a bonafide student of **Dr. T. Thimmaiah Institute of Technology, Kolar Gold Fields, Karnataka** has completed her project work at Tata Consultancy Services from 9st January 2017 to 12th May 2017 in partial fulfillment for the award of **Bachelor of Engineering Degree**.

Her project was titled "**MOTIVATEit - Staff Performance Review and Recognition System**" and she was working under the guidance of Mr. Shivaprasad N S.

It is certified that she has completed the project work satisfactorily.

Mr. Shivaprasad N S
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Mr. Sreenivasa Ramanujam
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ABSTRACT

Staff records play a significant role in an organization as it provides information needed to manage their employee's. Many organizations particularly the government agencies or school/colleges/university are still using the conventional methods which are based on recording the data of their employees, this result in waste of time in generating reports or searching for employees, records and loss or damage of files.

However, by applying Online Intranet Staff Profile Management System (SMS) which is applicable in educational institution or a college and that can be accessed by institution or a specified department through a university website. These profiles allow staff to showcase themselves throughout the academic and research arena. To facilitate these objectives, the Staff Profile Management System (SPMS) has been developed by Information Technology Services and the Web Services Unit. The new system provides authoritative data sources and ancillary data not currently collected by college.

This system (SMS) is being developed for an engineering college to maintain and facilitate easy access to information. For this the users need to be registered with the system after which they can access or modify data as per the permissions given to them. Entire application works on software environment for storing employees details. This provides information to all the levels of management within an organization. This system can also be used for attendance monitoring system in a college. Students/staffs logging in may also access/search any information. Attendance and marks will be updated by staff. This system can be used as a knowledge/information management system for the college.

DR. T. THIMMAIAH INSTITUTE OF TECHNOLOGY



OORGAUM, K.G.F. – 563 120 (KARNATAKA)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Main Project work entitled

“RSP STAR EVENT MANAGEMENT SYSTEM”

Is bonafide work carried out by

D RAMYA	1GV13CS012
PRASANTHINI GRACE SP	1GV13CS039
PRIYANKA R	1GV13CS040
SUSHMITHA R	1GV13CS060

In partial fulfillment for the award of degree of **BACHELOR OF ENGINEERING** in Computer Science and Engineering of **VISVESWARAYA TECHNOLOGICAL UNIVERSITY**, Belgaum during the year 2016-2017. It is certified that all corrections suggestions indicated for internal assessment has been incorporated in the report kept in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

N. Sharmila

Signature of Guide

(Mrs. Sharmila Kumari N)

V. Vinutha
28/6/17

Signature of H.O.D

(Mrs. Vinutha B.A)

External Viva

Dr. Syed Ariff

Signature of Principal

(Dr. Syed Ariff)

Name of the Examiners

1.....*B.A. Vinutha*

2.....*Raja A.*

Signature with Date

V. Vinutha
28/6/17



12th May 2017

CERTIFICATE

is to certify that **Ms. D RAMYA**, a bonafide student of **Dr. T. Thimmaiah** Institute of Technology, Kolar Gold Fields, Karnataka has completed her project work at Tata Consultancy Services from 9st January 2017 to 12th May 2017 in partial fulfillment for the award of **Bachelor of Engineering Degree**.

project was titled "**RSP Star Event Management System**" and she was working under the guidance of Mr. Abhinav Kumar.

certified that she has completed the project work satisfactorily.

Abhinav Kumar
Mr. Abhinav Kumar
Project Guide
Tata Consultancy Services
Bangalore

Sreenivasa Ramanujam
Mr. Sreenivasa Ramanujam
Academic Relationship Manager
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12th May 2017

CERTIFICATE

This is to certify that **Ms. PRASHANTHI GRACE S P**, a bonafide student of **Dr. T. Thimmaiah Institute of Technology, Kolar Gold Fields, Karnataka** has completed her project work at Tata Consultancy Services from 9st January 2017 to 12th May 2017 in partial fulfillment for the award of **Bachelor of Engineering Degree**.

Her project was titled "**RSP Star Event Management System**" and she was working under the guidance of Mr. Abhinav Kumar.

It is certified that she has completed the project work satisfactorily.

Abhinav Kumar
Mr. Abhinav Kumar
Project Guide
Tata Consultancy Services
Bangalore

Sreenivasa Ramanujam
Mr. Sreenivasa Ramanujam
Academic Relationship Manager
Tata Consultancy Services
Bangalore



12th May 2017

CERTIFICATE

to certify that Ms. **PRIYANKA R**, a bonafide student of **Dr. T. Thimmaiah**
Institute of Technology, Kolar Gold Fields, Karnataka has completed her project
at Tata Consultancy Services from 9st January 2017 to 12th May 2017 in partial
fulfillment for the award of **Bachelor of Engineering Degree**.

The project was titled "**RSP Star Event Management System**" and she was working
under the guidance of Mr. Patan Mohammad Rafi.

I hereby certify that she has completed the project work satisfactorily.

Patan Mohammad Rafi
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Mr. Sreenivasa Ramanujam
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12th May 2017

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This is to certify that **Ms. SUSHMITHA R**, a bonafide student of **Dr. T. Thimmaiah Institute of Technology, Kolar Gold Fields, Karnataka** has completed her project work at Tata Consultancy Services from 9st January 2017 to 12th May 2017 in partial fulfillment for the award of **Bachelor of Engineering Degree**.

Her project was titled "**RSP Star Event Management System**" and she was working under the guidance of **Mr. Patan Mohammad Rafi**.

It is certified that she has completed the project work satisfactorily.

Mr. Patan Mohammad Rafi
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Mr. Sreenivasa Ramanujam
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SYNOPSIS

Event Management System is the planning and organizing the Events like College fest, ceremonies, conferences, birthday parties etc. In RSP Star Event Management is a process which will help in automating end to end process. In RSP Star Event Management System there are two roles Administrator and user. The Administrator has an ability to create, view, edit and delete the Admin profile.

The project RSP Star Event Management System is very helpful for planning how to successfully organize an Event. In order to organize an Event work, the work should be allocated to each member managed by the system. All the data is logged into the database. This data is then sent to the Admin and they may interact with the user. Using this system user can easily join together with all the people who are part of the Event.

RSP Star Event Management System provides planning and tracking all activities of the Event. A recent trend in Event technology is the use of mobile communication for Events. Mobile Event communication can be used by Event organizer to communicate with the participant through the use of SMS Gateway. They can also be used to college feedback from the user.

VISVESVARAYA TECHNOLOGY UNIVERSITY
“JNANA SANGAMA”, BELGAUM-590014



A
PROJECT REPORT
On

**“PASSBYOP: BRING YOUR OWN PICTURE FOR SECURING
GRAPHICAL PASSWORDS”**

Submitted in the partial fulfillment of the requirement for the award of Degree of

BACHELOR OF ENGINEERING
In
COMPUTER SCIENCE AND ENGINEERING
By

R RINITH
RAJASHEKARA M V
SHIVAKUMAR E
VIJAYKUMAR V

1GV13CS043
1GV13CS045
1GV13CS057
1GV13CS066

Under the guidance of
Mrs. SHALINI G
Asst.Prof., Dept. of CSE.



2016-2017

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
DR.T.THIMMAIAH INSTITUTE OF TECHNOLOGY,
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DR. T. THIMMAIAH INSTITUTE OF TECHNOLOGY



GORGAAUM, K.G.F. - 563 120 (KARNATAKA)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CERTIFICATE

This is to certify that the Technical Seminar work entitled

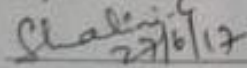
“PASSBYOP: BRING YOUR OWN PICTURE FOR SECURING
GRAPHICAL PASSWORDS”

Is bonafied work carried out by

R RINITH
RAJASHEKARA M V
SHIVAKUMAR E
VIJAY KUMAR V

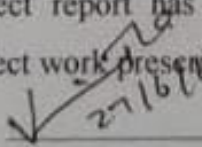
1GV13CS043
1GV13CS045
1GV13CS057
1GV13CS066

In partial fulfillment for the award of degree of **BACHELOR OF ENGINEERING** in Computer Science and Engineering of **VISVESWARAYA TECHNOLOGICAL UNIVERSITY**, Belgaum during the year 2016-2017. It is certified that all corrections suggestions indicated for internal assessment has been incorporated in the report kept in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work presented for the said degree


27/6/17

Signature of Guide

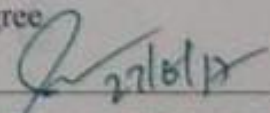
(Mrs. Shalini G)


27/6/17

Signature of H.O.D

(Mrs. Vinutha B.A)

External Viva


27/6/17

Signature of Principal

(Dr. Sankar Anand)
PRINCIPAL

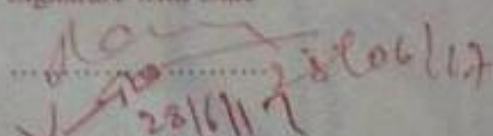
Dr. T. Thimmaiah Institute of Technology
Gorgaum, K.G.F. - 563 120.

Signature with Date

Name of the Examiners

1. Rajan A.

2. Vinutha B.A


28/06/17

SYNOPSIS

PassBYOP is a new graphical password scheme for public terminals that replaces the static digital images typically used in graphical password systems with personalized physical tokens, herein in the form of digital pictures displayed on a physical user-owned device such as a mobile phone. Users uploads image from gallery and then enter their password as a sequence of selections. Highly distinctive optical features are extracted from these selections and used as the password.

Three feasibility studies of PassBYOP examining its locimetric, usability,drawmetric and security against observation. The locimetric password schemes involve users selecting regions on one or more images. During login, users are shown a previously selected image, and they enter a password by clicking on a sequence of locations on the image. Authentication is successful if the XY coordinates of these clicks match a previously stored set of password points.

The usability second modules in this paper explores user performance with PassBYOP in terms of entry times and error rates for comparison with prior graphical password system schemes. Users in this study authenticated in two conditions: a private image of their choice and a system-provided public image. Drawmetric is gesture type of password scheme where we draw the pattern. Finally, the security study highlights PassBYOP's resistance to observation attack. These results indicate that Pass-BYOP shows promise for security while maintaining the usability of current graphical password schemes.

VISVESVARAYA TECHNOLOGY UNIVERSITY
“JNANA SANGAMA”, BELGAUM-590014



A
PROJECT REPORT
On

**“DROPS: DIVISION AND REPLICATION OF DATA
IN CLOUD FOR OPTIMAL PERFORMANCE
SECURITY”**

Submitted in the partial fulfillment of the requirement for the award of Degree of

BACHELOR OF ENGINEERING
In
COMPUTER SCIENCE AND ENGINEERING
By

SHIREESHA T N
M AMUDHA RANI
SUKANYA S

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1GV14CS406
1GV14CS418

Under the guidance of
Mrs. VINUTHA B.A
H.O.D, Dept. of CSE.



2016-2017

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OORGAUM, K.G.F. – 563 120 (KARNATAKA)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Main Project work entitled

**“DROPS: DIVISION AND REPLICATION OF DATA
IN CLOUD FOR OPTIMAL PERFORMANCE
SECURITY”**

Is bonafide work carried out by

SHIREESHA T N
M AMUDHA RANI
SUKANYA S

1GV13CS056
1GV14CS406
1GV14CS418

In partial fulfillment for the award of degree of **BACHELOR OF ENGINEERING** in Computer Science and Engineering of **VISVESWARAYA TECHNOLOGICAL UNIVERSITY**, Belgaum during the year 2016-2017. It is certified that all corrections suggestions indicated for internal assessment has been incorporated in the report kept in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

V. Bha
27/6/17

V. Bha
27/6/17

Syed Ariff
27/6/17

Signature of Guide
(Mrs. Vinutha B.A)

Signature of H.O.D
(Mrs. Vinutha B.A)

Signature of Principal
(Dr. Syed Ariff)

External Viva

Name of the Examiners

1. *S. Sathish*
2. *B.A. Vinutha*

Signature with Date

S. Sathish 27/6/2017
B.A. Vinutha 27/6/17

ABSTRACT

Outsourcing data to a third-party administrative control, as is done in cloud computing, gives rise to security concerns. The data compromise may occur due to attacks by other users and nodes within the cloud. Therefore, high security measures are required to protect data within the cloud. However, the employed security strategy must also take into account the optimization of the data retrieval time. In this paper, we propose Division and Replication of Data in the Cloud for Optimal Performance and Security (DROPS) that collectively approaches the security and performance issues.

In the DROPS methodology, we divide a file into fragments, and replicate the fragmented data over the cloud nodes. Each of the nodes stores only a single fragment of a particular data file that ensures that even in case of a successful attack, no meaningful information is revealed to the attacker. Moreover, the nodes storing the fragments, are separated with certain distance by means of graph T-coloring to prohibit an attacker of guessing the locations of the fragments.

Furthermore, the DROPS methodology does not rely on the traditional cryptographic techniques for the data security; thereby relieving the system of computationally expensive methodologies. We show that the probability to locate and compromise all of the nodes storing the fragments of a single file is extremely low. We also compare the performance of the DROPS methodology with ten other schemes. The higher level of security with slight performance overhead was observed.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELGAUM-590014, India.



**A
PROJECT REPORT**

On

**"DESIGN AND IMPLEMENTATION OF CLIENT-SERVER
BASED REMOTE MOTOR CONTROL SYSTEM
INDUSTRIAL APPLICATION "**

Submitted in partial fulfillment of the requirements for the award of the Degree

BACHELOR OF ENGINEERING

In

COMPUTER SCIENCE & ENGINEERING

By

**DENY NANCY C
1GV12CS016**

**SONA S
1GV13CS411**

**SHABREEN TABASSUM M
1GV14CS416**

**USHA K
1GV11CS070**

**Under the guidance of
Mrs. PREMALATHA D
Asst. Prof, Dept. of CSE**



2016-2017

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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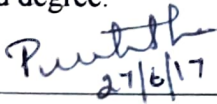
**" DESIGN AND IMPLEMENTATION OF CLIENT-SERVER
BASED REMOTE MOTOR CONTROL SYSTEM
INDUSTRIAL APPLICATION "**

Is a bonafied work carried out by

DENY NANCY C
SHABREEN TABASSUM M
SONA S
USHA K

1GV12CS016
1GV14CS416
1GV13CS411
1GV11CS070

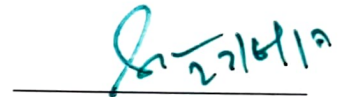
In partial fulfillment for the award of degree of **BACHELOR OF ENGINEERING** in **COMPUTER SCIENCE AND ENGINEERING** of **VISVESVARAYA TECHNOLOGICAL UNIVERSITY**, Belgaum during the year 2016-17. It is certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report in the department library. The project has been approved as it satisfies the academic requirements in respect of project work prescribed in said degree.


27/6/17

Signature of **Guide**
(Mrs.Premalatha.D)


27/6/17

Signature of **HOD**
(Mrs.Vinutha.B.A)


27/6/17

Signature of **Principal**
(Dr.Syed Ariff)

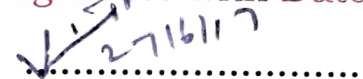
External Viva


Name of the Examiners

1... Vinutha. B.A.

2... Subhashini R.

Signature with Date


27/6/17


27/6/2017