BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy (District), Telangana-501510

1.3.3 : Percentage of students undertaking project work/ field work / internship (Data for the latest completed academic year) (10)

Academic Year 2018-19

S. No.	Department	Descriptions	Total Count
1.	B.Tech-CIVIL	Major Project Work	74
2.	B.Tech-EEE	Major Project Work	116
3.	B.Tech-MECHANICAL	Major Project Work	72
4.	B.Tech-ECE	Major Project Work	161
5.	B.Tech-CSE	Major Project Work	222
6.	B.Tech-IT	Major Project Work	43
7.	MBA	Major Project Work	10
8.	M.TECH	Major Project Work	19
9.	B.Tech-(CIVIL, EEE, MECHANICAL, ECE, CSE) MBA	Internship	134
10.	B.Tech-(EEE, MECHANICAL,ECE, CSE, 1ST YEAR STUDENTS) MBA,	Industrial visit	693
TOTAL COUNT			1544

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangalpally(V), Ibrahimpatnam, R R District E1

PRINCIPAL

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
Department of Computer Science and Engineering
MAJOR PROJECT (2018-2019)
IV-II CSE-A

Batch No.	Roll No.	Student Name	Project Title	In House/ Industry	Name of Supervisor
CSA15MP-1	15E11A0507	B Akshitha	High Performance Network Intrusion Detection Engine	In House	Dr. R.Madana Mohana Associate Professor
	15E11A0560	Y Sri Sowmya			
	15E11A0545	R Vaishnavi			
	15E11A0503	A Sarika			
CSA15MP-2	15E11A0514	D Vinay Kumar	Advanced Street Lighting System Using IOT	In House	Dr.P.Velmurugan Associate Professor
	15E11A0544	P Shiv Kumar			
	15E11A0513	D Vamshi Krishna			
	15E11A0553	Syed Yousuf			
	15E11A0528	K Ravindra Reddy			
CSA15MP-3	15E11A0505	P Gouthami	Country Level Location Classification Of World Wide Tweets	In House	Mrs Sudheshna Assistant Professor
	15E11A0541	P Archana			
	15E11A0556	T Sahana Reddy			
	15E11A0515	E Jerushah Keturah			
	15E11A0529	K Akhila			
CSA15MP-4	15E11A0506	A Bharath Kumar	Water Level Monitoring Management Of Dams Using IOT	In House	Ms.Sailaja Assistant Professor
	15E11A0547	R Sarath Chandra			
	15E11A0552	S Raju			
	15E11A0554	T Srikar			
	15E11A0557	T Sai Kumar			
CSA15MP-5	15E11A0535	M Mounika	An Efficient And Secure Seduplication Scheme For Cloud Assiste Ehealth Systems	In House	P Srinivasarao Assistant Professor
	15E11A0559	V Sowjanya			
	15E11A0504	A Shruthi			
	15E11A0555	T Navya			
	15E11A0537	N Mahitha			
CSA15MP-6	15E11A0532	M A Khader Farhan	Performance Analysis Of Machine Learning Algorithms For Gender Classification	In House	Mr.Sharath Assistant Professor
	15E11A0558	V Srikanth Reddy			
	15E11A0538	N Ajay Kumar			
	15E11A0501	A Kunalreddy			
	15E11A0511	C Pravallika		In House	Dr.J.R.V.Jeny Associate Professor

CSA15MP-7	15E11A0546	R Lavanya	Malware Detection Using Machine Learning		
	15E11A0539	P Shireesha			
	15E11A0523	K Nandini			
CSA15MP-8	15E11A0550	S Jaswanth Reddy	A solution of online Weighted Extreme Learning Machine	In House	Ms.P.Kiranmai Assistant Professor
	15E11A0512	C Shivasai			
	15E11A0509	Pranith			
	15E11A0520	J Rahul Sai			
CSA15MP-9	15E11A0534	M Madhuri	Secure Data Sharing For Mobile Cloud Computing	In House	Mrs.Sudeshana Associate Professor
	15E11A0533	M Spandana			
	15E11A0517	G Snigdha			
	15E11A0522	K Supriya			
CSA15MP-10	15E11A0540	P Siddu	Logic Bug Detection And Localization Using Sybmolic Error Detection	In House	Mr. Tirupal Reddy Assistant Professor
	15E11A0542	K Vivek			
	15E11A0527	K Praveen Kumar			
	15E11A0525	K Prudhvi Dayakar			
CSA15MP-11	15E11A0519	G Raghavendra	IOT Based Automated Toll Tax Collection	In House	Mrs. G.Kalyani Assistant Professor
	15E11A0549	S Abhishek Reddy			
	15E11A0510	C Vinith Reddy			
	15E11A0502	A Sai Anvesh			
CSA15MP-12	15E11A0530	K Sri Sai Rama Teja	Fishing Websites Classification Using Neural Networks	In House	Ms.Sailaja Assistant Professor
	15E11A0526	K Yashwanth Kumar			
	15E11A0543	P Vijay Kumar Rao			
	15E11A0531	K Rajinikanth			

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
Department of Computer Science and Engineering
MAJOR PROJECT (2018-2019)
IV-II CSE-B

Batch No.	Roll No.	Student Name	Project Title	In House/ Industry	Name of Supervisor
CSB15MP-1	15E11A05A8	S Chandana	Electronic Protection For Exam Paper Leakage	In House	Mrs.M.Vineela Associate Professor
	15E11A0591	N Akhila Reddy			
	15E11A0593	N Navya			
	15E11A05C0	Y Meghana			
	15E11A05A5	R Anitha			
CSB15MP-2	15E11A05B1	T Sudheesh Reddy	Moisture Monitoring And Control Using Wireless Sensors	In House	Mrs Uma Shankari Assistant Professor
	15E11A0576	C.Goutham Kumar			
	15E11A0578	D Sai Eashwar			
	14E11A0582	K Durga Prasad			
CSB15MP-3	15E11A05B2	T Soumya	Monitoring And Controlling Of Mobile Robot Via Voice through Rasberry Board Via IOT	In House	Ms. Farhana Bano Assistant Professor
	15E11A0582	K Eunice Hasini			
	15E11A0575	Ch.Lahari			
	15E11A05A7	K Sreeja Reddy			
CSB15MP-4	15E11A05B7	V Megha Shyam	Privacy Preservation For Outsource Medical Data With Flexible Access Control	In House	Mrs.Jhansi Rani Assistant Professor
	15E11A0588	M Dheeraj			
	15E11A0566	B Chandra Kiran			
	15E11A0570	B Deviprasad			
CSB15MP-5	15E11A05B4	V Sucharitha	Unnmaned Arueal Vehicle For Wild Fire Tracking Using IOT	In House	Mr. Munisekhar Prudhvi Assistant Professor
	15E11A0568	B Indu			
	15E11A0573	Ch.Sreevidya			
	15E11A0599	P Aishwarya			
CSB15MP-6	15E11A0589	M Saikanth	Bidirectional Visitor Counter System Based On IR	In House	Mr. Romy Sinha Assistant Professor
	15E11A0587	K Chandrakanth			
	15E11A0569	B Ankith Kumar			
	15E11A0562	A.Raviteja			
CSB15MP-7	15E11A0574	Ch.Radha	Indoor Air Quality Detection Using Wireless Networks	In House	Mr. Manohar Gosul Assistant Professor
	15E11A0564	A Sai Keerthi			
	15E11A0577	D Rohini			
	15E11A0596	P Niharika			
	15E11A05B0	T.Jeevan Kalyan	Voice Operated Room Automation System	In House	Mr.Sharath Assistant Professor
	15E11A0581	J Ravi Teja			

CSB15MP-8	15E11A0592	N Jagadeesh			
	15E11A05A6	S Sujan Revanth			
CSB15MP-9	15E11A05A1	P Supriya	Shared Ownership In The Cloud	In House	Mr.Surendra Assistant professor
	15E11A0585	K Madhavi Reddy			
	15E11A0598	P Vishali			
	15E11A0595	P Manisha			
CSB15MP-10	15E11A0583	K Venkateshwar	Fall Detection For Elders Using Wearables	In House	Dr. J. R. V. Jeny Associate Professor
	15E11A0571	B Pranay			
	15E11A0561	A Digvijay Mounivas			
	15E11A0572	C Nikhil Goud			
	15E11A05B9	B Vinod Kumar			
CSB15MP-11	15E11A05B5	V Namratha	Accident And Alcohol Detection For Smart Helmets	In House	Mrs.DLN. Prasunna Assistant Professor
	15E11A0584	K Amitha Reddy			
	15E11A05A3	R Himaja Reddy			
	15E11A05A0	P Sarika			
CSB15MP-12	15E11A05A9	S Sai Krishna	Nu Smart Shopping Cart	In House	Mrs Priyadarshini Assistant Professor
	15E11A0580	G Harishreddy			
	15E11A0565	B Praneeth Reddy			
	15E11A0567	B Rahul Reddy			
CSB15MP-13	15E11A05B8	V Sushma	Secure Sharing Of Personal Health Records In The Cloud	In House	Mrs. N Aruna Jyothi Assistant Professor
	15E11A05B6	V Navya			
	15E11A05A4	R Shivani			
	15E11A0590	P Cheritha Reddy			
CSB15MP-14	15E11A05B3	V Niranjan	IOT Fault Management Platform For Coal Mines	In House	Mrs. G. Rashmi Assistant Professor
	15E11A0579	E Ajay Goud			
	15E11A0594	N Abhishek			
	15E11A0597	P.Shiva			

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

MAJOR PROJECT (2018-2019)

IV-II CSE-C

Batch No.	Roll No.	Student Name	Project Title	In House/ Industry	Name of Supervisor
CSC15MP-1	15E11A05G3	N Harishma Reddy	Lung Cancer Diagnosis Using PYTHON	In House	Dr. R. Madana Mohana Associate Professor
	15E11A05C7	C Sai Akhila			
	15E11A05G7	P Soumya			
	15E11A05D2	Aditi			
	15E11A05E4	K Niharika			
CSC15MP-2	15E11A05D6	G Deepak Kumar	Classification Of Data Sets On Various Data Mining Platforms	In House	Mr. V. Satyanarayana Associate Professor
	15E11A05G1	N Tharun			
	15E11A05D7	G Prudhvi			
	15E11A05G2	N VS Shiva Kumar			
CSC15MP-3	15E11A05D5	G Ankitha	Connecting Intelligent Things In Smart Hospitals Using IOT	In House	Mrs Vineela Assistant Professor
	15E11A05C4	B Mounika			
	15E11A05H3	S Kathyayani			
	15E11A05F6	Manisha Roy			
	15E11A05F4	M Krishna Priya			
CSC15MP-4	15E11A05F7	M Ajay Kumar	Sensor Based Smart Shopping Cart	In House	Mrs. Aarti S B Assistant Professor
	15E11A05H1	K Akhil Reddy			
	15E11A05F3	M Aakash			
	15E11A05E9	Y Lenin			
CSC15MP-5	15E11A05G5	N Roshni	Deep Learning Applications In Medical Image Analysis	In House	Mrs. Y. Sirisha Assistant Professor
	15E11A05C3	B Lavanya			
	15E11A05C8	Ch Gayathri Devi			
	15E11A05H5	S Bhogeswari			
CSC15MP-6	15E11A05D9	J Chandra Shekar	Soil Monitoring Fertigation And Integration System Using IOT For Agriculture	In House	Mubeena Begum, Assistant Professor
	15E11A05F0	K Nithin Reddy			
	15E11A05F9	Mohd Mujtaba			
	15E11A05D4	G Deepak			
CSC15MP-7	15E11A05G9	P Gouthami	Industrial Gas Cylinders Management System	Industry (DRDO)	L Srinivasarao Scientist DRDO
	15E11A05I0	K Navya			
	15E11A05D3	G Swetha			
	15E11A05C6	C Ashwini Reddy			
	15E11A05D8	J Pavan Kumar	Towards Shared Ownership In The	In House	Mr.akhilesh

CSC15MP-8	15E11A05C1	A Srikanth	Cloud		Assistant Professor
	15E11A05H6	Suresh			
	15E11A05D1	G Shashank			
CSC15MP-9	15E11A05G0	N Mounika	Secure Data Group Sharing And Dissemination Attribute And Time Conditions In Public Cloud	In House	Mrs.Priya Assistant Professor
	15E11A05H2	S Prasanthi			
	15E11A05E2	K Pranavi			
	15E11A05F5	M Sandhya			
CSC15MP-10	15E11A05H9	V Sree Teja	Automated Material Return From Customer	In House	Mrs.Vijaya bharathi Assistant Professor
	15E11A05E7	K Srikanth			
	15E11A05C2	B Revanth Raja			
	15E11A05C5	B Don Vardhan			
CSC15MP-11	15E11A05G6	P Basha Khan	Intelligent Medicine Box For Medication Management Using IOT	In House	G.Kalyani Assistant Professor
	15E11A05E3	K Ravi Teja			
	15E11A05D0	D Ajay Kumar			
	15E11A05E0	K M R Chandra			
CSC15MP-12	15E11A05E6	K Kalyan	IOT Based LED Notice Board	In House	Mr. V.Veerabhadram Associate Professor
	15E11A05E1	K Saaketh Kumar			
	15E11A05G4	N Vishal			
	15E11A05H4	S Sudheer Reddy			
CSC15MP-13	15E11A05H7	T Vamshi Krishna	Detecting Automated Spammers In Twitters	In House	Mrs. K.S.Parimala Assistant Professor
	15E11A05C9	C Bharath			
	15E11A05G8	P Tirumal Kumar			
	15E11A05H0	R Varunreddy			

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
Department of Computer Science and Engineering
MAJOR PROJECT (2018-2019)
IV-II CSE-D

Batch No.	Roll No.	Student Name	Project Title	In House/ Industry	Name of Supervisor
CSD15MP-1	15E11A05I6	G Rajarajeshwari	Frequent Item sets Mining With Differential Privacy For Log Scale Data	In House	Dr. P. Velmurugan Associate Professor
	15E11A05M7	Shivani			
	15E11A05M1	R Srivani			
	15E11A05L9	R Madhulika			
	15E11A05M2	R Jeevanthika			
CSD15MP-2	15E11A05M0	R Shankar Rao	Credit Card Fraud Detection Using Ada Boost Using IOT	In House	Ms. Y. Sowjanya Assistant Professor
	15E11A05L0	P Maneesh			
	15E11A05L6	P Sailesh Kumar			
	15E11A05L1	P Pavan Reddy			
	15E11A05N4	Y Ravi Kiran			
CSD15MP-3	15E11A05M4	Shivani	Unified Fine Grained Access Control For Personal Records In Cloud Computing	In House	Akhilesh Assistant Professor
	15E11A05N6	Y Indhumathi			
	15E11A05M9	Divya			
	15E11A05L8	P Mounika			
	15E11A05I3	D Pravallika			
CSD15MP-4	15E11A05I9	J Gouri Shankar	Health Monitoring On Social Media Overtime	In House	Mrs.Vijaya bharathi Assistant Professor
	15E11A05J6	K Naveen Kumar			
	15E11A05N5	K Sai Kiran			
	15E11A05K7	N Ajay			
	15E11A05I5	G Naga Raju			
CSD15MP-5	15E11A05K8	N Bhargavi	Analyzing And Detecting Money Laundering Accounts Online Social Networks	In House	Mrs. Farhana Bano Assistant Professor
	15E11A05N1	V Sowmya			
	15E11A05I1	D Manasa			
	15E11A05L3	P Sneha			
	15E11A05N2	V Bhuvanakruthi			
CSD15MP-6	15E11A05L5	P Sai Tarun	Achieving Data Truthfulness And Privacy Preservation In Data Market	In House	Mrs. K.S.Parimala Assistant Professor
	15E11A05J2	K Shravan Chary			
	15E11A05N7	Y Pranay Bhargav			
	15E11A05K0	G Rohit Reddy			
	15E11A05I8	J Harini	Financial Fraud Detection With Anomaly Feature Detction	In House	Mr. Manohar Gosul Assistant Professor
	15E11A05N0	V Lahari			

CSD15MP-7	15E11A05J1	K Aishwarya			
	15E11A05K2	M Pooja			
CSD15MP-8	16E15A0501	B Venkateshwar	Predicting Hospital Admissions Using Data Mining	In House	Mrs. Deepika Assistant Professor
	15E11A05L7	P Ankith Reddy			
	15E11A05J5	K Anjaneyulu			
	15E11A05I2	D Sai Chaitanya			
CSD15MP-9	15E11A05M3	R Mounika	CLASS:Cloud Log Assuring And Secrecy Schemefor Cloud	In House	Mr. Sarath Chandra Assistant Professor
	15E11A05K5	N Chandana			
	15E11A05J4	K Ruchitha Reddy			
	15E11A05K1	M Harini			
CSD15MP-10	15E11A05N8	Ratnani Varan A	DROPS:Division And Replication Of Data In Cloud For Opt Performance And Security	In House	Mrs.Uma shankari Assistant Professor
	15E11A05M5	K Sai Krishna Teja			
	15E11A05K6	N Vikram Kumar			
	15E11A05N9	S Sai Kiran			
CSD15MP-11	15E11A05N3	B Vyshnavi	Prediction Of Hospital Admissions In Emergency Department	In House	Mr. Romy Sinha Assistant Professor
	15E11A05I7	J Mounika			
	15E11A05J8	G Sneha			
	15E11A05J9	Deepika			
	14E11A05G2	G Himaja			
CSD15MP-12	15E11A05K9	N Sathvik Chandra	Efficient And Privacy Preserving Biometric Identification In Cloud Computing	In House	Mrs. G. Rashmi Assistant Professor
	15E11A05L4	P Rajendhar Reddy			
	15E11A05I4	G Ashwith Reddy			
	15E11A05L2	P Rahul Sai			
CSD15MP-13	15E11A05M6	S Dheeraj	Privacy Characterization And Quantification In Data Publishing	In House	Mr. Veerabadram Assistant Professor
	15E11A05J7	K Sai Tarun			
	15E11A05J0	M Sai Venkata Ramana			
	15E11A05K3	Sharath			

INTRUSION DETECTION ENGINE

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING
BY

BEKKARI AKSHITHA	**(15E11A0507)**
YINTI SRI SOWMYA	**(15E11A0560)**
RACHAMALLA VAISHNAVI	**(15E11A0545)**
ADULLA SARIKA	**(15E11A0503)**

Under the guidance of

Dr.R. Madana Mohana, M.E, Ph.D

Professor

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Affiliated to JNTUH Hyderabad, Approved by AICTE & Accredited by NAAC)
Ibrahimpatnam - 501 510, Hyderabad

2018-2019

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

HARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Affiliated to JNTUH Hyderabad, Approved by AICTE & Accredited by NAAC)

Ibrahimpatnam - 501 510, Hyderabad

Certificate

This is to certify that the project work entitled **"HIGH ERFORMANCE NETWORK INTRUSION DETECTION ENGINE"** *is e bonafide work done*

By

BEKKARI AKSHITHA	**(15E11A0507)**
YINTI SRI SOWMYA	**(15E11A0560)**
RACHAMALLA VAISHNAVI	**(15E11A0545)**
ADULLA SARIKA	**(15E11A0503)**

the Department of Computer Science and Engineering, ***BHARAT INSTITUTE F ENGINEERING AND TECHNOLOGY,*** Ibrahimpatnam is submitted to **waharlal Nehru Technological University, Hyderabad** in partial fulfillment of requirements for the award of **B.Tech** degree in **Computer Science and gineering** during **2015-2019.**

ide:
R.Madana Mohana
Ph.D
of CSE,
Institute of Engineering and Technology,
impatnam – 501 510, Hyderabad.

Head of the Department:
Dr.R.Madana Mohana
M.Tech,Ph.D
Prof. of CSE,
Bharat Institute of Engineering and Technology,
Ibrahimpatnam – 501 510, Hyderabad.

HEAD
Dept.of Computer Science
Bharat Institute of Engg & Tech
Mangalpally(V), Ibrahimpatnam(M),
Ranga Reddy Dist. Pin-501 510

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a-Voce held on..... 3/5/19

Internal Examiner

External Examiner

ABSTRACT

Rapid technological advances in the application of data processing operations and maintenance permeate all facets of business and, therefore, have led to an increase in the development of strategic ways to mount malicious attacks on both public and personal computer networks/systems. Intrusion Detection System (IDS) defined as a Device or software application which monitors the network or system activities and finds if there is any malicious activity occurs. By developing intrusion detection system based on the ICMP and AES NIDS that exploits the underutilized computational power of modern graphics cards to offload the costly pattern matching operations from the CPU, and thus increase overall processing throughput. The modern graphic cards can be used effectively to speed up intrusion detection systems, as well as other systems that involve pattern matching operations. This helps in analyzing and evaluating of various IDS tools used in high speed networks.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

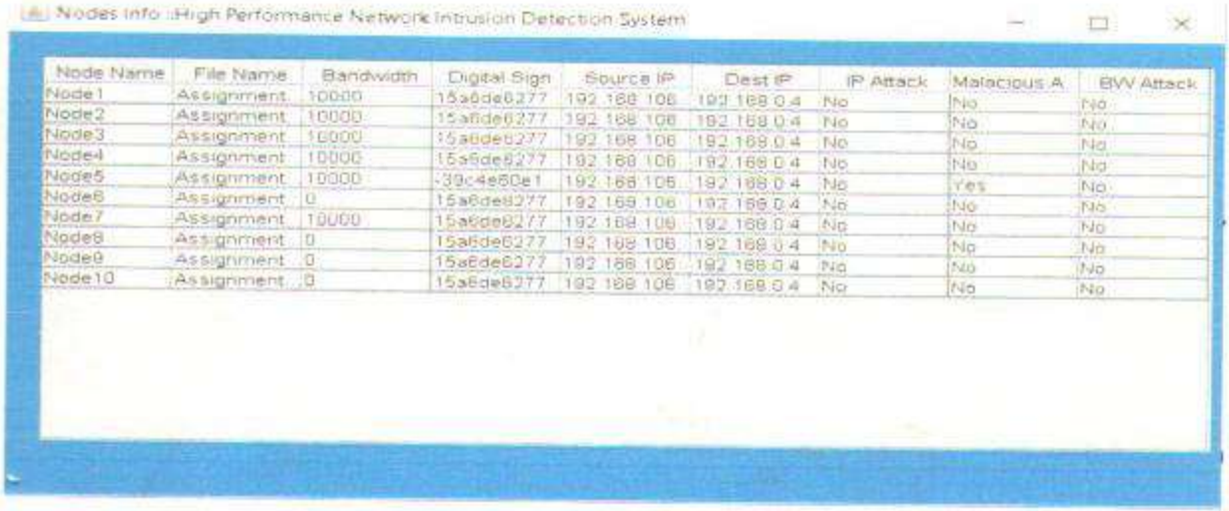

Fig.7.3.15:View Nodes Info for the file is blocked by packet attack.

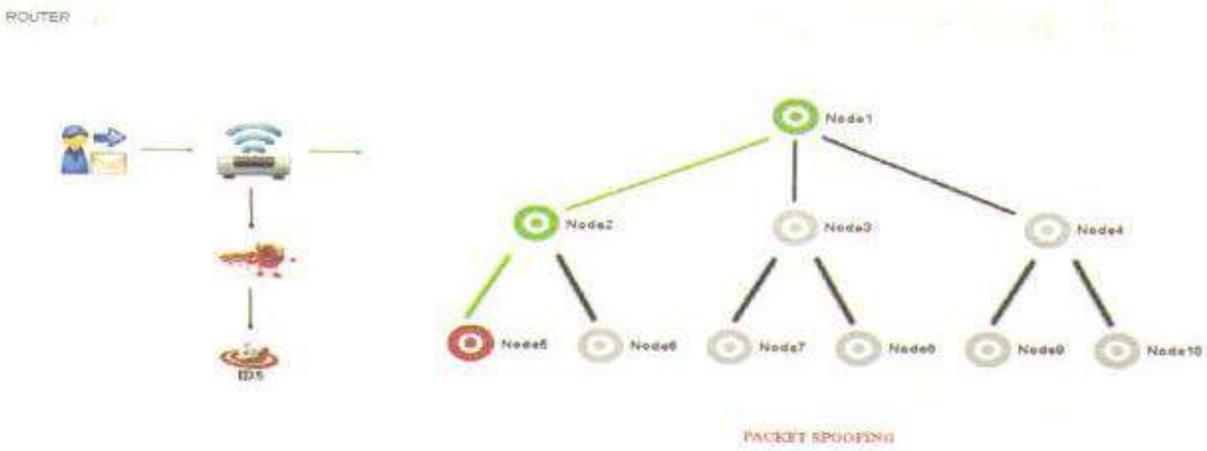

Fig.7.3.16: Screenshots for the file is blocked by packet spoofing attack.

IoT Based Modern Street Lighting System with Intensity Control Based On Vehicle Movements using Raspberry pi

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING
BY

DONDA VINAY KUMAR REDDY	**(15E11A0514)**
P SHIV KUMAR	**(15E11A0544)**
K RAVINDRA REDDY	**(15E11A0528)**
SYED YOUSUF	**(15E11A0553)**
D VAMSHI KRISHNA	**(15E11A0513)**

Under the guidance of

Dr.P.Velmurugan

Associate Professor

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
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Ibrahimpatnam - 501 510, Hyderabad

2018-2019

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Affiliated to JNTUH Hyderabad, Approved by AICTE & Accredited by NAAC)

Ibrahimpatnam - 501 510, Hyderabad

Certificate

*This is to certify that the project work entitled "***IoT Based Modern Street Lighting System with Intensity Control Based On Vehicle Movements using Raspberry pi"** *is the bonafide work done*

By

DONDA VINAY KUMAR REDDY	**(15E11A0514)**
P.SHIV KUMAR	**(15E11A0544)**
K RAVINDRA REDDY	**(15E11A0528)**
SYED YOUSUF	**(15E11A0553)**
D VAMSHI KRISHNA	**(15E11A0513)**

in the Department of Computer Science and Engineering, ***BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY***, Ibrahimpatnam is submitted to **Jawaharlal Nehru Technological University, Hyderabad** in partial fulfillment of the requirements for the award of **B.Tech** degree in **Computer Science and Engineering** during **2015-2019.**

Guide:
Dr.P.Velmurugan
Ph.D
Dept of CSE,
Bharat Institute of Engineering and Technology,
Ibrahimpatnam – 501 510, Hyderabad.

30/4/19

Head of the Department:
Dr.R.Madana Mohana
M.E,Ph.D
Dept of CSE,
Bharat Institute of Engineering and Technology,
Ibrahimpatnam – 501 510, Hyderabad.

Viva-Voice held on 3/5/19

Internal Examiner

External Examiner

ABSTRACT

We have seen in the number of cities where the street lights is the one of the huge energy expensive for a city. Currently we have manual system where the light will be switched ON in the evening before the sunset and they are maybe switched OFF next day morning or not. So there is lot of energy waste between ON and OFF timing. The outdoor lighting is prime Safety of people during night time therefore street lighting system is required. Street lighting is of 53 percent of outdoor lighting use over world. Nowadays, Environmental issues are the big challenges like raining in any season, earthquake, Tsunami so street lighting utmost importance for safety of people in night time. An expense in percentage of consumption of electricity in street lighting is of thirty five to forty five percent for municipal city budget. Internet of Things (IoT) gives a new dimension in the area of smart street light system. This project an IOT street light system with intensity control based on vehicle movement, weather conditions like humidity, loudly weather, rainy season; it is based on LDR. The system is automatic controlling of street light according to seasonal variations, which includes IOT time dependant.Smart based lighting control system can reduction municipal costs up to seventy percent. The importance of Street lighting is main public service given by public authorities at local and city level Lighting is necessary for safety of people, vehicle, also avoid crimes etc., whosoever person ride bike, walk in dark will have better visibility. Therefore, road accident is reduced. Good Street lighting also prevents crime, thereby, increasing safety of person, as well as the security of adjacent public and private properties.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

RESULT ANALYSIS:

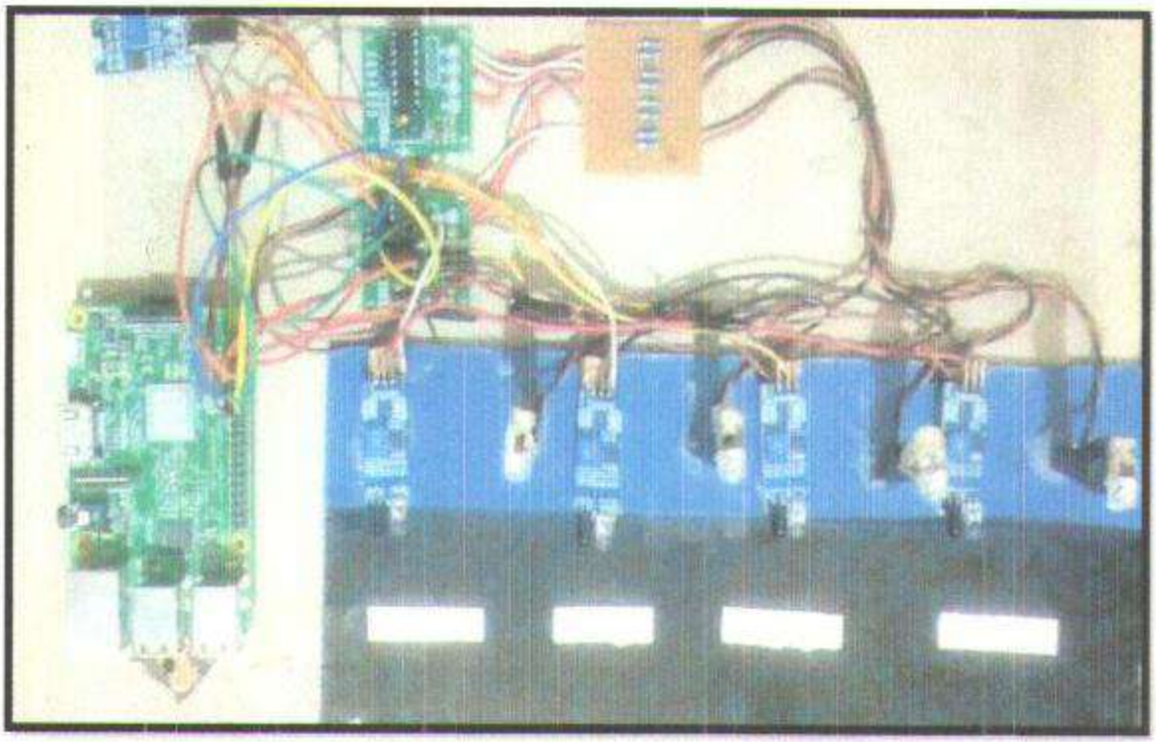

Fig 7.3.1 Hardware Components of the project

Fig 7.3.2 Working of the project step1

CLASSIFICATION OF TWEETS AND SENTIMENT ANALYSIS

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

By

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P.ARCHANA	**(15E11A0541)**
T.SAHANA	**(15E11A0556)**
K.AKHILA	**(15E11A0529)**
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2018 – 2019

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ABSTRACT

The increase of interest in using social media as a source for research has motivated tackling the challenge of automatically geolocating tweets, given the lack of explicit location information in the majority of tweets. In contrast to much previous work that has focused on location classification of tweets restricted to a specific country, here we undertake the task in a broader context by classifying global tweets at the country level, which is so far unexplored in a real-time scenario. We analyze the extent to which a tweet's country of origin can be determined by making use of eight tweet-inherent features for classification. Furthermore, we use two datasets, collected a year apart from each other, to analyze the extent to which a model trained from historical tweets can still be leveraged for classification of new tweets. With classification experiments on all 217 countries in our datasets, as well as on the top 25 countries, we offer some insights into the best use of tweet-inherent features for an accurate country-level classification of tweets.

We find that the use of a single feature, such as the use of tweet content alone – the most widely used feature in previous work – leaves much to be desired. Choosing an appropriate combination of both tweet content and metadata can actually lead to substantial improvements of between 20% and 50%. We observe that tweet content, the user's self-reported location and the user's real name, all of which are inherent in a tweet and available in a real-time scenario, are particularly useful to determine the country of origin.

We also experiment on the applicability of a model trained on historical tweets to classify new tweets, finding that the choice of a particular combination of features whose utility does not fade over time can actually lead to comparable performance, avoiding the need to retrain. However, the difficulty of achieving accurate classification increases slightly for countries with multiple commonalities, especially for English and Spanish speaking countries.

Reports: hashtags

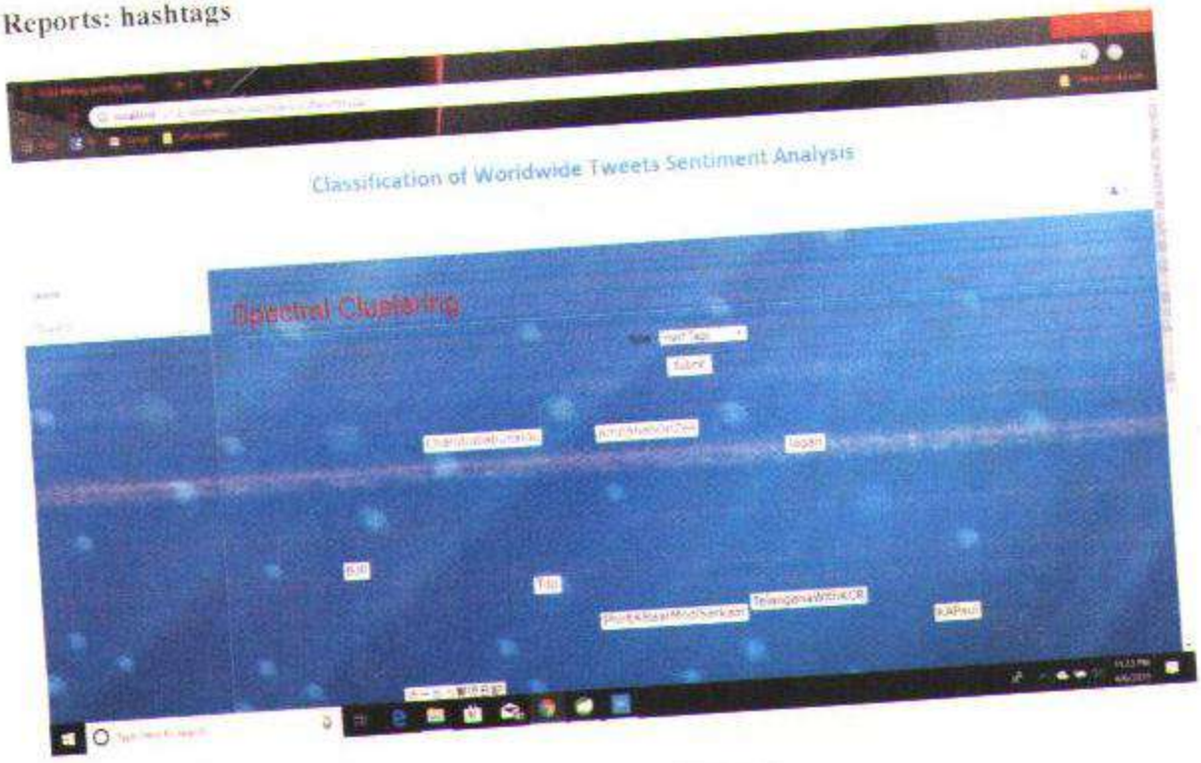

Fig.7.2(b):Reports:Hashtags

Reports: re-tweet count:

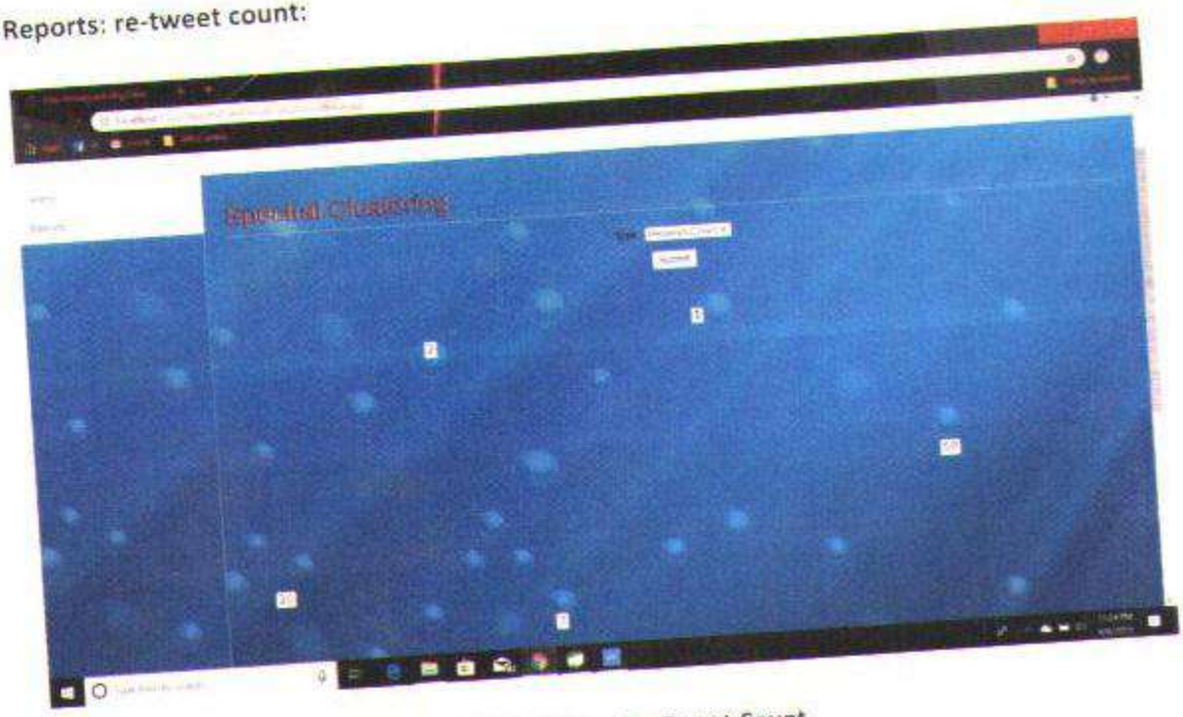

Fig.7.2(c):Reports:Re-Tweet Count

Water Level Monitoring and Monitoring Of Dam Using GSM Module

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
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External Examiner

ACKNOWLEDGEMENT

The satisfaction that accompanies the successful completion of the task would be put incomplete without the mention of the people who made it possible, whose constant guidance and encouragement crown all the efforts with success.

We avail this opportunity to express our deep sense of gratitude and hearty thanks to Sri CH. Venugopal Reddy, Secretary & Correspondent of BIET, for providing congenial atmosphere and encouragement.

We would like to thank Prof. G. Kumaraswamy Rao, Director, Former Director & O.S. of DLRL Ministry of Defence, Dr. B. Prasada Rao, I.P.S.(Retd.), Director of Training & Placements, Industry Interface, Former Principal Secretary to Govt. of AP, DGP of ACB, Commissioner of Police, Hyderabad, Former Director, RCI, Dr. R. Sreehari Rao, Professor of ECE, Former Director of DLRL and Vice Chancellor & Chancellor of K. L. University, Dr. S. K. Chaudhuri, Distinguished Professor & Director R&D, SCIENTIST 'H' (Retd.) &, Dr. M. Lakshmi Narayana, Adjunct Professor of ECE, SCIENTIST 'H' (Retd.) & Former Chairman IEEE and Dr. V. Ram Babu, Principal for having provided all the facilities and support.

We would like to thank **Dr R.Madana Mohana, Assistant Professor, Head of The department; V.Sudheshna Assistant Professor, Academic I/C,** Computer Science and Engineering; **& N.Aruna Jyothi, Assistant Professor, Admin IC** ,Computer Science and Engineering for their expert guidance and encouragement at various levels of our Project.

We are thankful to our *guide* **Y.Sailaja, Assistant Professor and DEPT OF CSE** for her sustained inspiring Guidance and cooperation throughout the process of this project. Her wise counsel and suggestions were invaluable.

We are thankful to our Project Coordinator **Mr. V. Satyanarayana, Associate Professor, Project Coordinator,** Computer Science and Engineering for his support and cooperation throughout the process of this project /seminar.

We express our deep sense of gratitude and thanks to all the Teaching and Non-Teaching Staff of our college who stood with us during the project and helped us to make it a successful venture.

We place highest regards to our Parents, our Friends and Well wishers who helped a lot in making the report of this project.

7.3 TEST ANALYSIS:

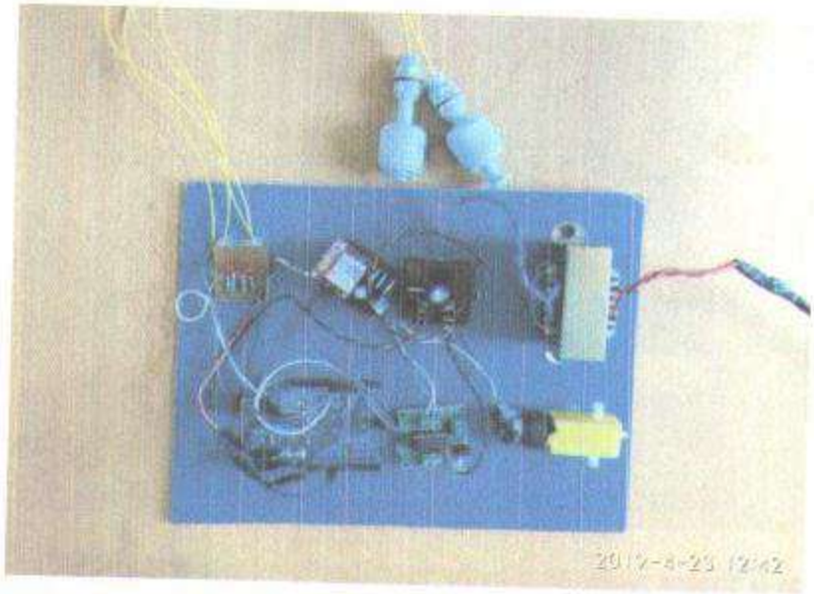

FIG 7.3.1: Water level monitoring and controlling of dam

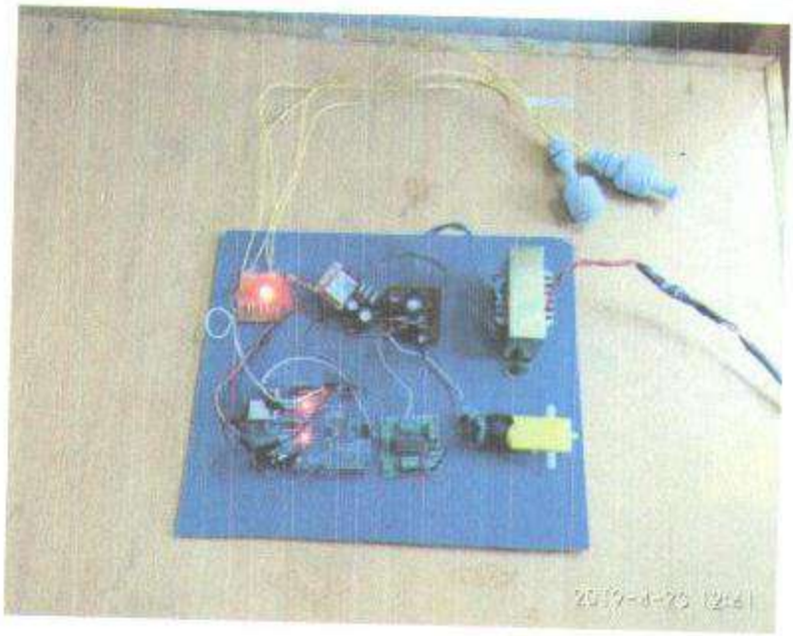

FIG 7.3.2:Water level indicator when low level water sensor is on

CLOUD ASSISTED E-HEALTH SYSTEM

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

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External Examiner

ABSTRACT

In this paper, the analysis of the inherent characteristic of electronic medical records (EMRs) from actual electronic health (eHealth) systems is done where the following are to be interpreted (1) multiple patients would generate large amounts of duplicate EMRs and (2) cross-patient duplicate EMRs would be generated numerously only in the case that the patients consult doctors in the same department. It's the first efficient and secure encrypted EMRs deduplication scheme for cloud-assisted eHealth systems. With the integration of the analysis results, cloud assisted e-health system allows the cloud server to efficiently perform the EMRs deduplication, and enables the cloud server to reduce storage costs by more than 65% while ensuring the confidentiality of EMRs. Security analysis shows that cloud assisted e-health system is more secure than the scheme Algorithm implementation and performance analysis demonstrate the feasibility and high efficiency of the e-health system.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

7.4 Result Analysis:

Fig.7.4.1: Screenshot for Wearable Device Login

Fig.7.4.2: Screenshot for Patient Login

PERFORMANCE ANALYSIS OF MACHINE LEARNING ALGORITHMS FOR GENDER CLASSIFICATION

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING
BY

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V SRIKANTH REDDY	(15E11A0558)
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A KUNAL REDDY	(15E11A0501)

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2018-2019

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Certificate

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By

M A KHADER FARHAN	**(15E11A0532)**
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External Examiner

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ABSTRACT

We have various machine algorithms for gender classification but choosing best one is important task. For selecting best algorithm we conducted experimental study on machine learning algorithms for gender classification. In this experimental study of machine learning algorithms, we analyzed performance of various algorithms for gender classification using voice dataset. The experimental study is based on male and female voice datasets. These voice datasets are analyzed based on different factors such as frequency, pitch, median, centroid, mode, label. From this study we concluded that SVM and ANN are giving best results. After tuning parameters ANN outperforms SVM giving accuracy 99.87% on test data.

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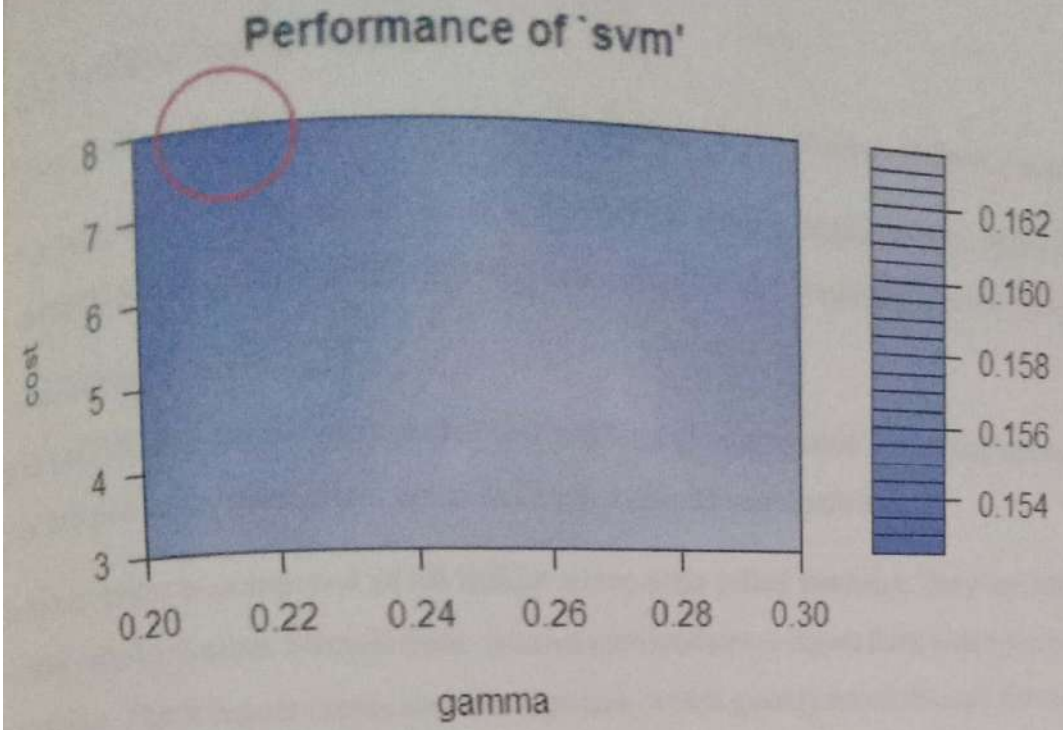

Fig no. 6.5.3

Zooming in further, our best values are around cost 8 and 0.21 gamma

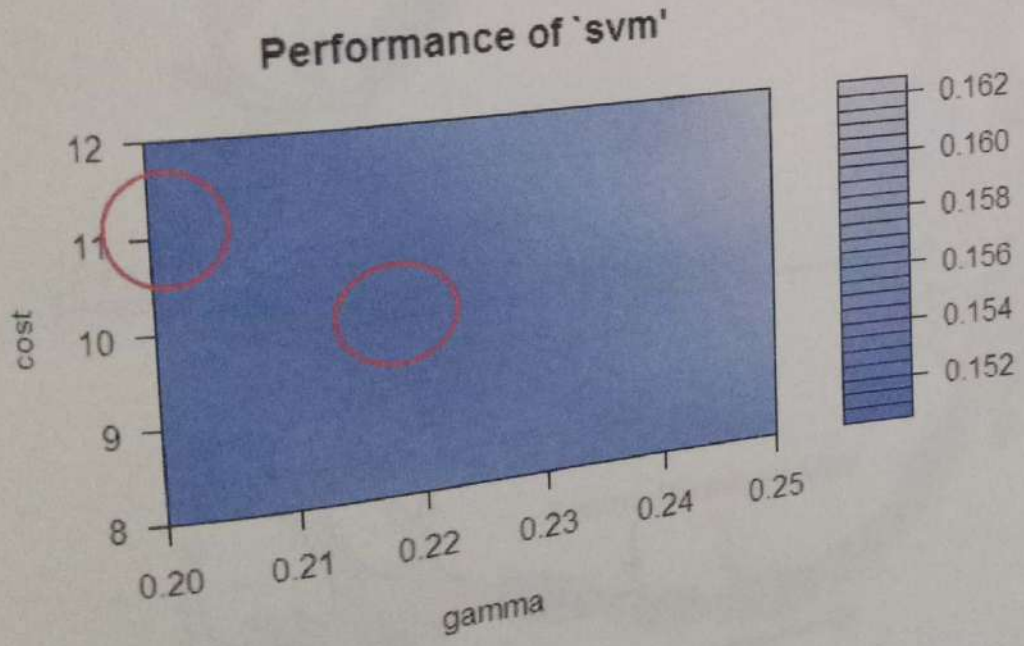

Fig no. 6.5.4

One more final pass, our best values are around cost 10 and 0.22 gamm

Malware Detection Using Machine Learning

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
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POTHUGANTI SHIREESHA	(15E11A0539)
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ABSTRACT

Malware, short for malicious software, is used to refer to a variety of forms of hostile or intrusive software. Cybercriminals design malware to compromise computer functions, steal data, bypass access controls, and otherwise cause harm to the host computer, its applications or data. Coping with malware is getting more and more challenging, given their relentless growth in complexity and volume. One of the most common approaches in literature is using machine learning techniques, to automatically learn models and patterns behind such complexity, and to develop technologies to keep pace with malware evolution. In this exploration we have planned a framework using machine learning algorithms for malware analysis in Windows environments, i.e. for the analysis of Portable Executables. We systematize the framework according to their objectives (i.e., the expected output), what information about malware we specifically use (i.e., the features), and what machine learning techniques we employ (i.e., what algorithm is used to process the input and produce the output).The main purpose of this framework is an attempt to use the machine learning workflow to process and transform sampled PE file data to create a prediction model. Using the generated data, predict with accuracy which PE files are likely to be classified as malware.

Keywords: Malware, Malware analysis, Machine Learning, Portable Executables.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, type of this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

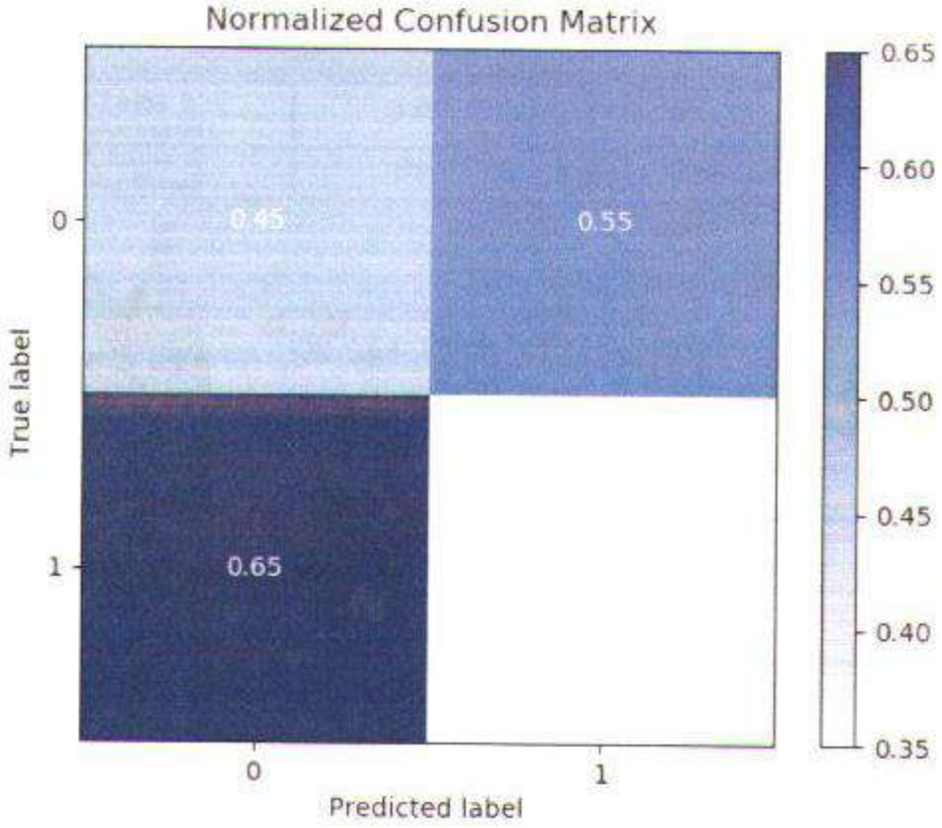

Fig 7.2.3: Displays Normalized Confusion Matrix

A confusion matrix is a technique for summarizing the performance of a classification algorithm.

Classification accuracy alone can be misleading if you have an unequal number of observations in each class or if you have more than two classes in your dataset.

Calculating a confusion matrix can give you a better idea of what your classification model is getting right and what types of errors it is making.

Confusion Matrix: A confusion matrix is a table that is often used **to describe the performance of a classification model** (or "classifier") on a set of test data for which the true values are known. The confusion matrix itself is relatively simple to understand, but the related terminology can be confusing.

ACTIVE LEARNING FROM IMBALANCED DATA

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
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Internal Examiner

External Examiner

ABSTRACT

It is well known that active learning can simultaneously improve the quality of the classification model and decrease the complexity of training instances. However, several previous studies have indicated that the performance of active learning is easily disrupted by an imbalanced data distribution. Some existing imbalanced active learning approaches also suffer from either low performance or high time consumption. To address these problems, this paper describes an efficient solution based on the extreme learning machine (ELM) classification model, called active online-weighted ELM (AOW-ELM). The main contributions of this include The reasons why active learning can be disrupted by an imbalanced instance distribution and its influencing factors are discussed in detail; The hierarchical clustering technique is adopted to select initially labeled instances in order to avoid the missed cluster effect and cold start phenomenon as much as possible; The weighted ELM (WELM) is selected as the base classifier to guarantee the impartiality of instance selection in the procedure of active learning, and an efficient online updated mode of WELM is deduced in theory; and an early stopping criterion that is similar to but more flexible than the margin exhaustion criterion is presented. The experimental results on 32 binary-class data sets with different imbalance ratios demonstrate that the proposed AOW-ELM algorithm is more effective and efficient than several state-of the- art active learning algorithms that are specifically designed for the class imbalance scenario.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

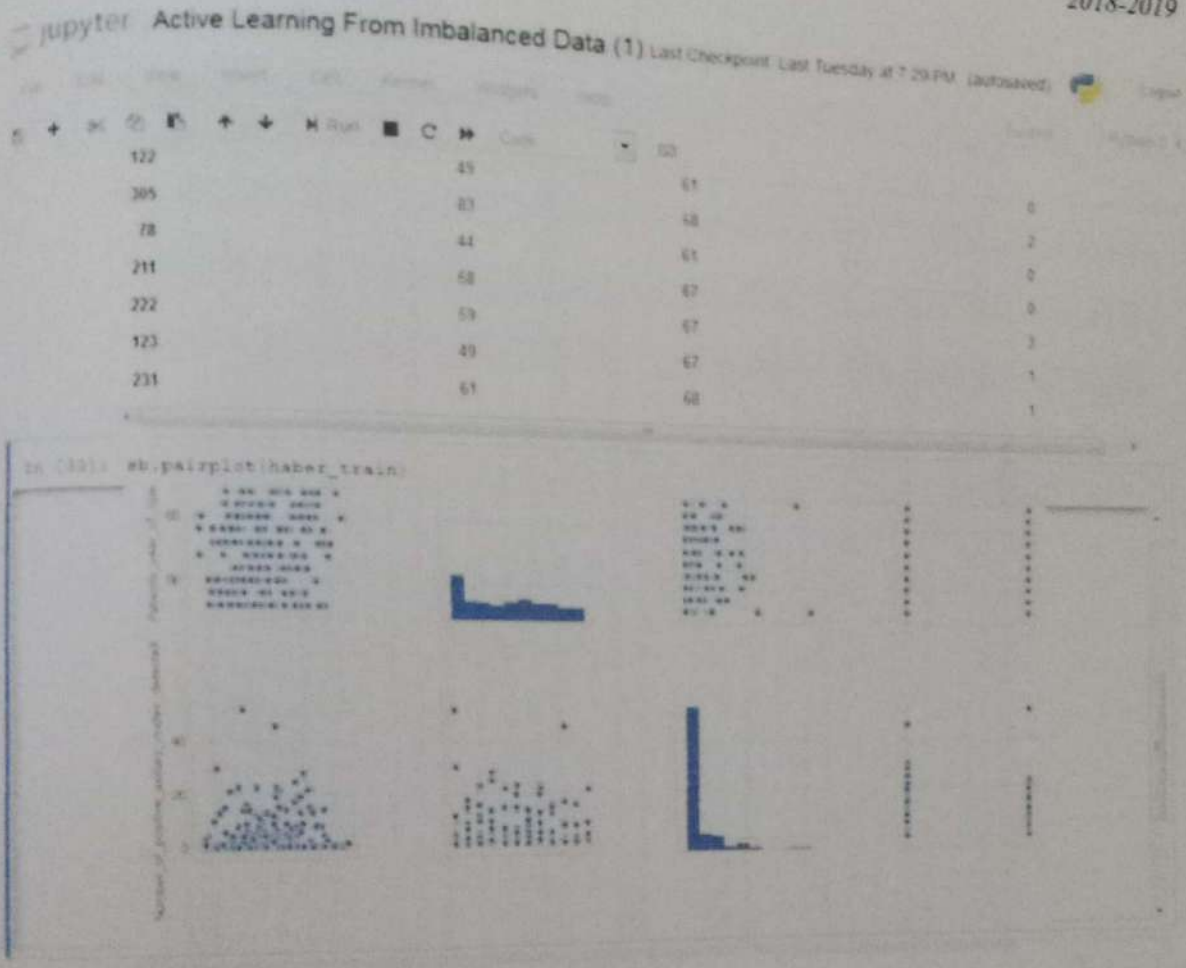

fig.7.4.4: Screenshot plot analysis of data

DATA SECURITY ASSISSTANCE BY MOBILE CLOUD COMPUTING

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

By

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ABSTRACT

With the popularity of cloud computing, mobile devices can store/retrieve personal data from anywhere at any time. Consequently, the data security problem in mobile cloud becomes more and more severe and prevents further development of mobile cloud. There are substantial studies that have been conducted to improve the cloud security. However, most of them are not applicable for mobile cloud since mobile devices only have limited computing resources and power. Solutions with low computational overhead are in great need for mobile cloud applications. In this paper, we propose a lightweight data sharing scheme (LDSS) for mobile cloud computing. It adopts CP-ABE, an access control technology used in normal cloud environment, but changes the structure of access control tree to make it suitable for mobile cloud environments. LDSS moves a large portion of the computational intensive access control tree transformation in CP-ABE from mobile devices to external proxy servers. Furthermore, to reduce the user revocation cost, it introduces attribute description fields to implement lazy-revocation, which is a thorny issue in program-based CP-ABE systems. The experimental results show that LDSS can effectively reduce the overhead on the mobile device side when users are sharing data in mobile cloud environments.

This Project Work addressed the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5,PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3. These Program Outcomes (POs) and Program Specific Outcomes (PSOs) are attained by demonstrating the working model of the project.

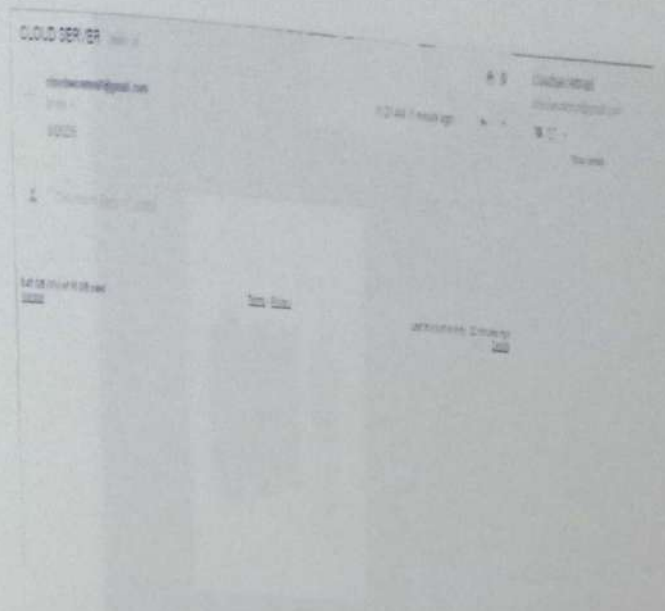

FIG 7.3.17 DECRYPTION KEY/CODE SENT TO DATA USER

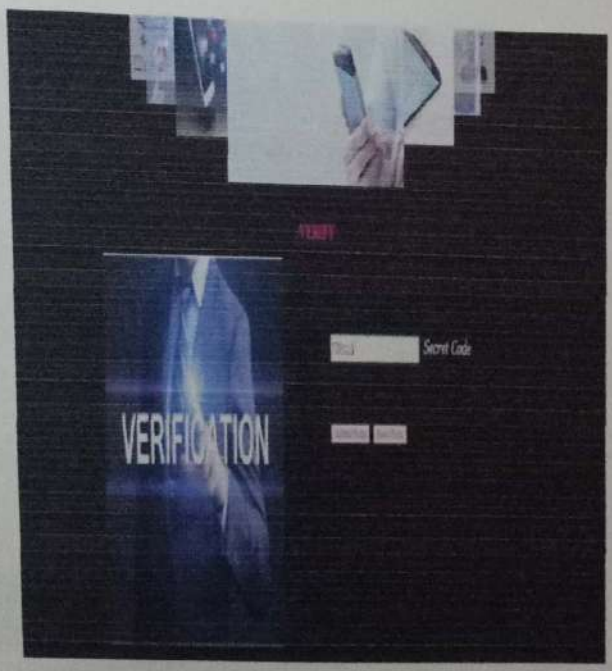

FIG.7.3.18 VERIFYING THE SECRET CODE

LOGIC BUG DETECTION AND LOCALIZATION USING SYMBOLIC QUICK ERROR DETECTION

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
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BACHELOR OF TECHNOLOGY
IN
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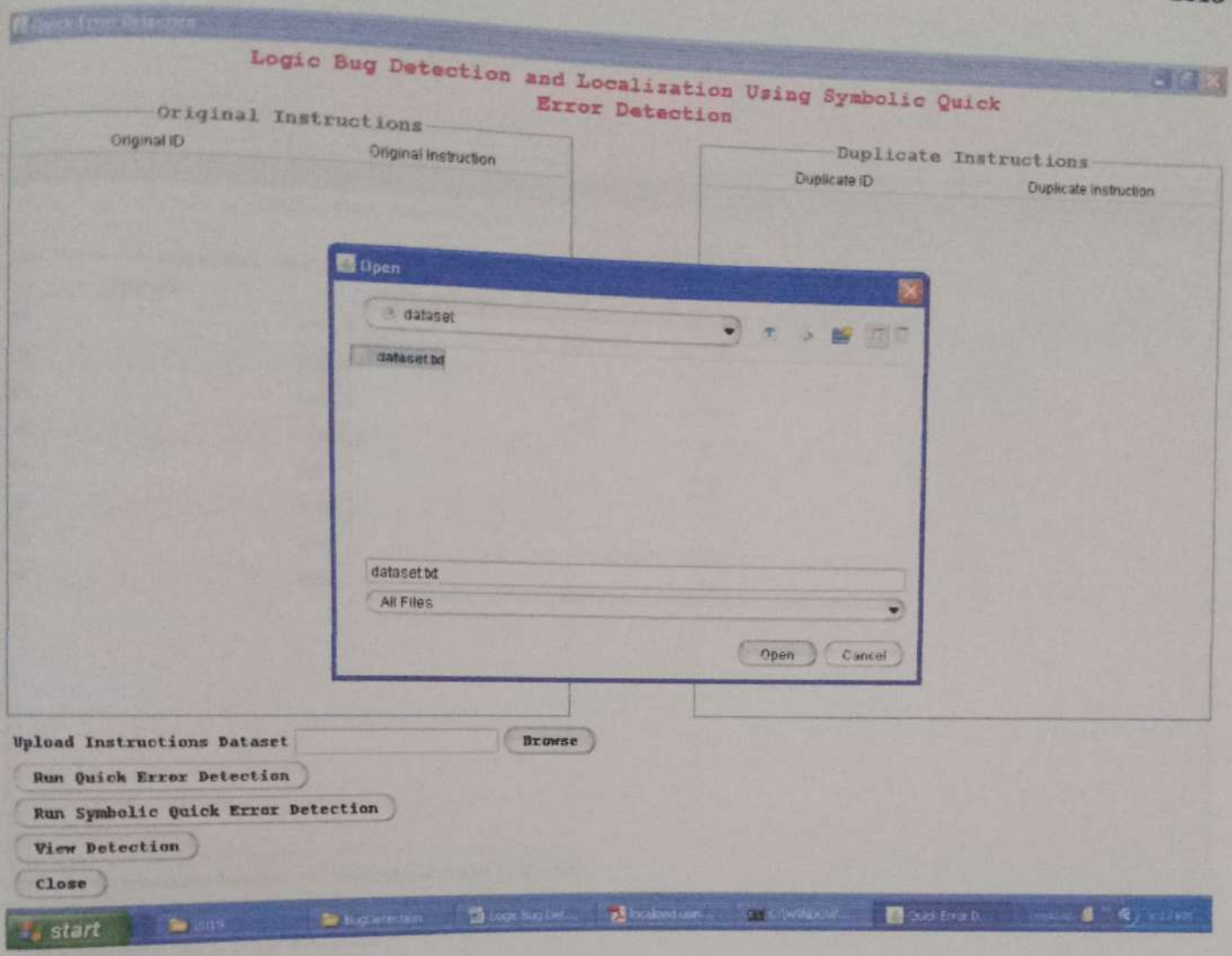
ABSTRACT

We present Symbolic Quick Error Detection (Symbolic QED), a structured approach for logic bug detection and localization which can be used both during pre-silicon design verification as well as post-silicon validation and debug. This new methodology leverages prior work on Quick Error Detection (QED) which has been demonstrated to drastically reduce the latency, in terms of the number of clock cycles, of error detection following the activation of a logic (or electrical) bug. QED works through software transformations, including redundant execution and control flow checking, of the applied tests. Symbolic QED combines these error detecting QED transformations with bounded model checking-based formal analysis to generate minimal-length bug activation traces that detect and localize any logic bugs in the design. We demonstrate the practicality and effectiveness of Symbolic QED using the Open SPARC T2, a 500-million-transistor open-source multi-core System-on-Chip (SoC) design, and using "difficult" logic bug scenarios observed in various state-of-the-art commercial multi-core SoC's. Our results show that Symbolic QED: (i) Is fully automatic, unlike manual techniques in use today that can be extremely time-consuming and expensive; (ii) Requires only a few hours in contrast to manual approaches that might take days (or even months) or formal techniques that often take days or fail completely for large designs; and (iii) Generates counter-examples (for activating and detecting logic bugs) that are up to 6 orders of magnitude shorter than those produced by traditional techniques. Significantly, this new approach does not require any additional hardware.

Quick Error Detection (QED) which has been demonstrated to drastically reduce the latency, in terms of the number of clock cycles, of error detection following the activation of a logic (or electrical) bug. QED works through software transformations, including redundant execution and control flow checking, of the applied tests. QED tests have been demonstrated to be highly effective for quickly detecting logic and electrical bugs inside processor cores, uncore components, accelerators, and components related to power management features. The software-only QED technique automatically transforms post-silicon validation tests (original tests) into new QED tests using various QED transformations.

The Symbolic QED technique presented in this paper is a new structured and automated approach for logic bug detection and localization. It can be used to debug the design at any stage, both pre and post-silicon. It detects logical bugs and provides a list of components that may contain the bugs along with the shortest instruction trace to activate the bug. Symbolic Quick Error Detection (Symbolic QED) is motivated by the urgent need for a structured, automated, and scalable approach to overcome post-silicon bug localization challenges.



IOT BASED SMART PARKING SYSTEM USING CLOUD

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
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External Examiner

ABSTRACT

IOT Based Smart Parking System using Cloud is a parking system, usually a new one that is equipped with special structured devices (things) to detect the available parking slots at any parking area. This is an application based on Internet of Things (IoT) that in Real-Time environment have sensors and devices embedded into parking spaces, transmitting data on the occupancy status; and the vehicle drivers can search for parking availability using their mobile phones or any infotainment system that is attached to the vehicle. Hence the driver would know where there is an available spot to park his vehicle in less time, reducing the energy consumption and air pollution.Another time consuming process in parking is paying the parking fee.To make this a Automated process we are using RFID Scanner and RFID tags. Mobile application is provided to recharge wallet linked with RFID card .

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO2 & PSO3.

Fig 7.5 Slot Screenshot-3

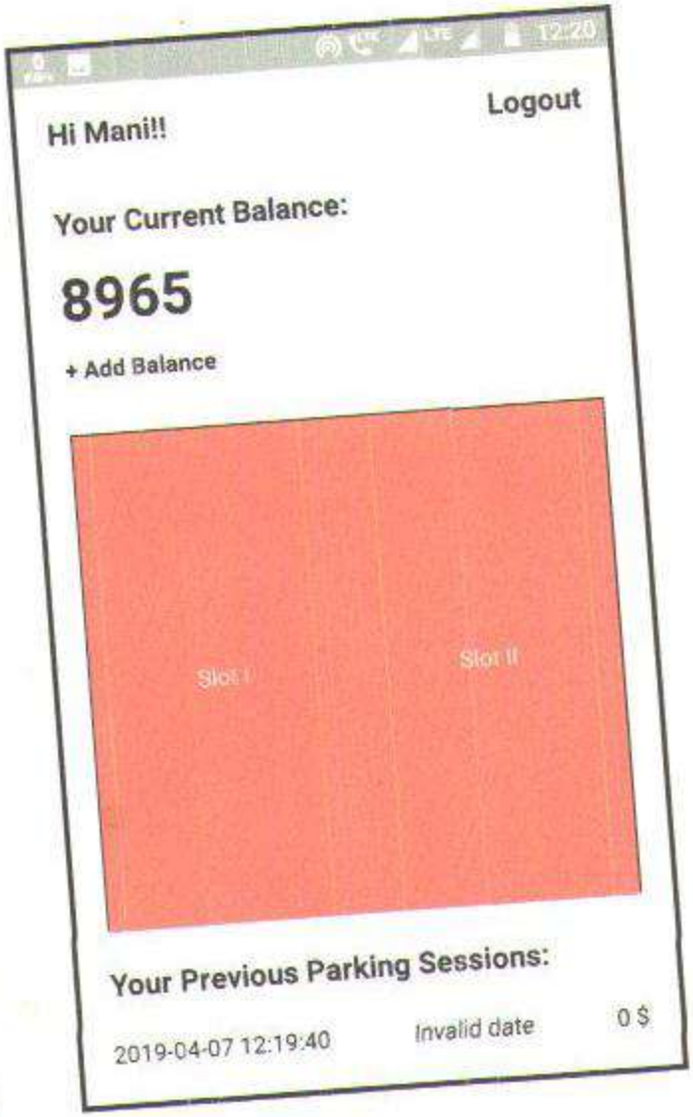

Fig 7.6 Slot Screenshot-4

PHISHING WEBSITES FEATURES CLASSIFICATION USING NEURAL NETWORKS

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements for the award of the degree of

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IN
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This is to certify that the project work entitled **Phishing websites features classification using Neural Networks** *" is the bonafide work done*

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ABSTRACT

Phishing is one of the most common and most dangerous attacks among cybercrimes. The aim of these attacks is to steal the information used by individuals and organizations to conduct transactions. Phishing websites contain various hints among their contents and web browser-based information. The purpose of this study is to perform Extreme Learning Machine (ELM) based classification for 30 features including Phishing Websites Data in UC Irvine Machine Learning Repository database. For results assessment, ELM was compared with other machine learning methods such as Support Vector Machine (SVM), Naïve Bayes (NB).

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

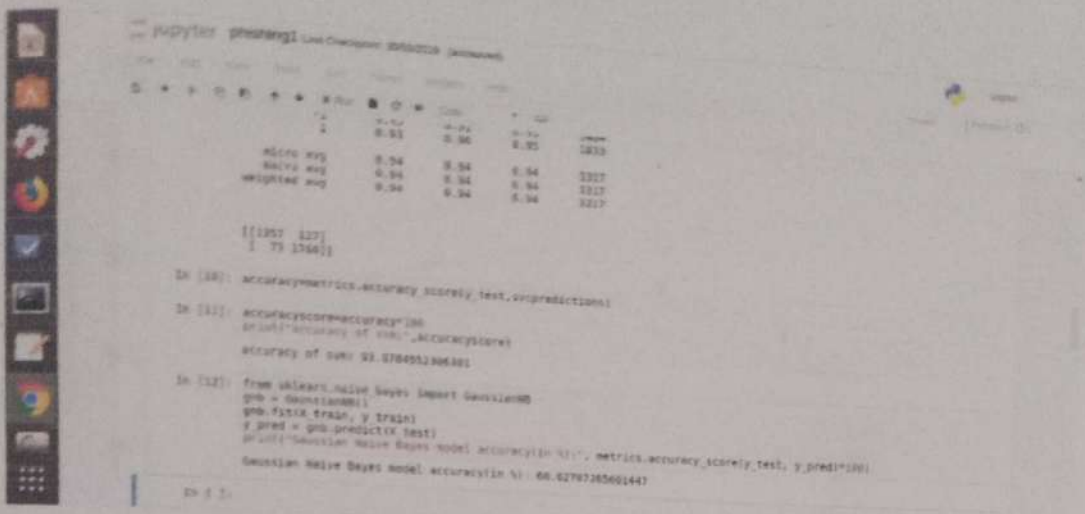

FIG 7.3.3 SVM AND NAÏVE BAYES ALGORITHM

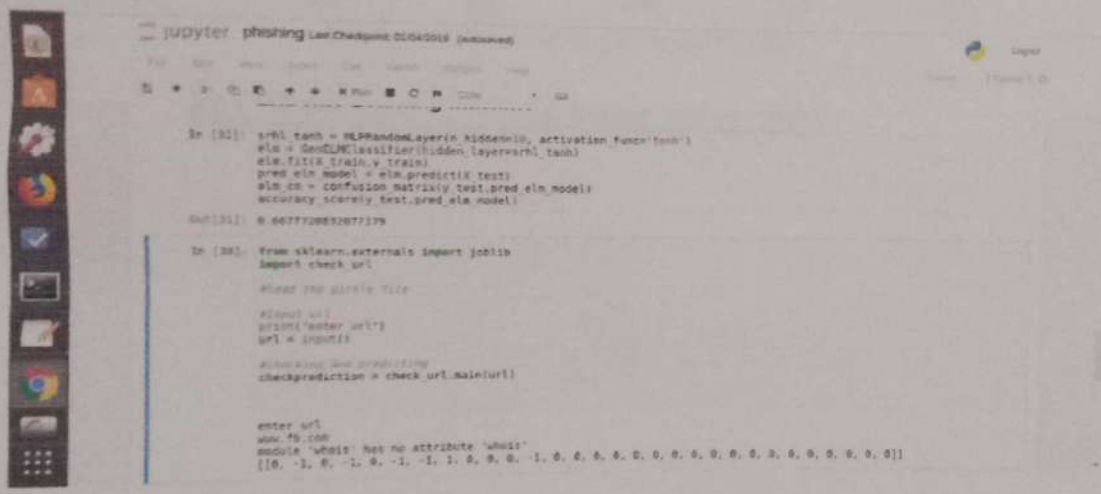

FIG 7.3.4 ELM ALGORITHM

Electronic Protection for Exam Paper Leakage

A Project Report Submitted to

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In partial fulfillment of the requirements
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3/5/19
Internal Examiner

External Examiner

ABSTRACT

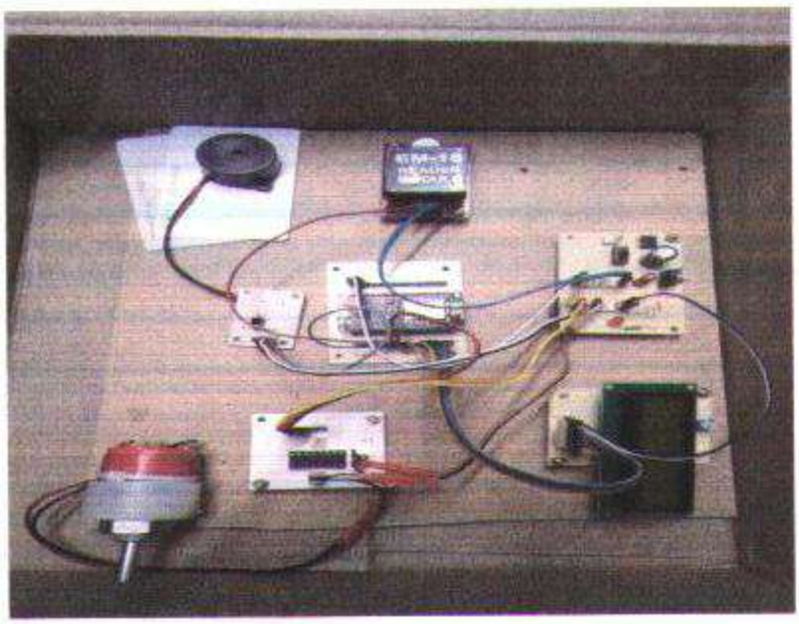
The main aim of this project is to protect and control the question paper leakage system.The idea for the proposed system which involves the electronic protection is derived from modern day applications like Electronic lockers in bank, Home security systems, Office security systems and other security enhanced electronic systems.

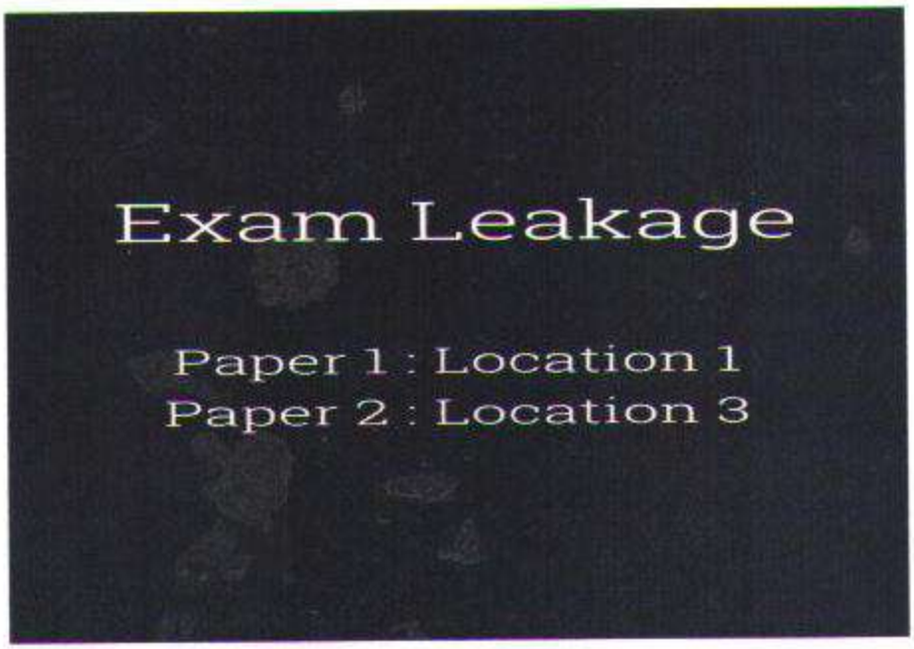
The proposed hardware design for the system is, the heart of the system is 8051 Along with it many components are used such as RFID, GSM, keys, DC motor and motor drivers, etc are used. Whenever the person wants to open the lock of the examination box then he need to show his authentication with the help of rfid technology and whenever the person shows the rfid tag in front of the rfid reader. Here the rfid reader reads the data from the tag and sends the data to the microcontroller. Here the microcontroller receives the information and checks the authentication. If the authentication is success then the locker will open and sends the message to the higher authority people with the help of GSM technology.

CHAPTER 7

7.Experimental Studies

7.1.Results





SOIL MOISTURE CONTROL USING SENSORS

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
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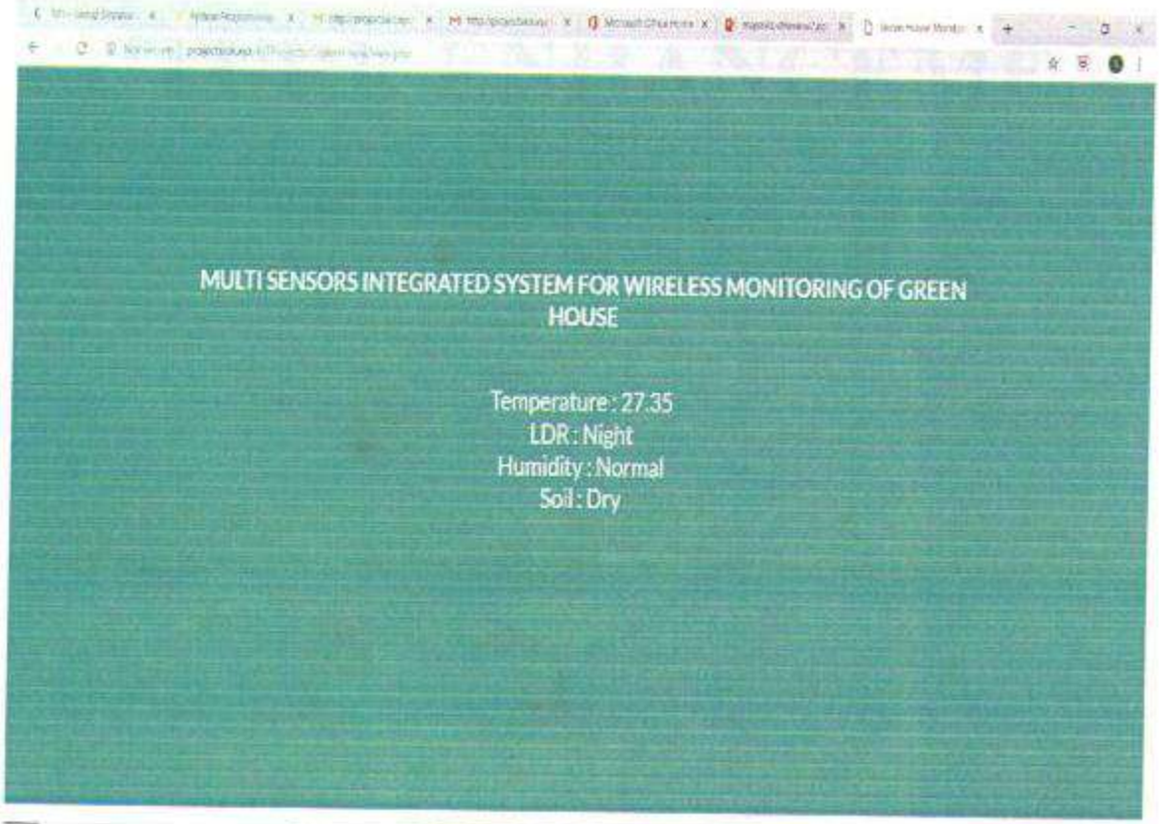
ABSTRACT

A greenhouse provides an environment to grow plants all year round, even on cold and cloudy days However, extreme environmental factors inside the greenhouse such as high temperatures and a high humidity can negatively impact the plants. Consequently, controlling this environment is essential in order for the plants to grow strong and healthy. The aim of this project is to design and build a greenhouse controller that can maintain the environment, by acting upon live sensor readings and be able to display the status of the system to the owner. Microcontroller programming a node mcu using embedded C language to act as the central hub that manages the various sensors such as Temperature, Humidity, soil moisture, and LDR as light sensor; and creating web site to allow the user to interact with the greenhouse monitoring.

Monitoring is employed in various applications including temperature, humidity, soil moisture, light. The Web-Based Climatic condition monitoring system that can be access anywhere and anytime through the internet is build. With this system user can remotely monitor the greenhouse climatic conditions from anywhere which could save the human expenses. Web-Based climatic condition monitoring is one type of recorder that monitors a temperature, humidity moisture and light in a greenhouse room and stores the data into a database and display the current temperature on the website through a web server.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

Fig 5.2: Sms Alert



5.3: Web Page

MONITORING AND CONTROLLING ROBOT USING RASPBERRY PI

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Ibrahimpatnam - 501 510, Hyderabad

Certificate

This is to certify that the project work entitled **"MONITORING AND CONTROLLING ROBOT USING RASPBERRY PI"** is the bonafide work done

By

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K.EUNICE	**(15E11A0582)**
CH.LAHARI	**(15E11A0575)**
K.SREEJA	**(15E11A05A7)**

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Viva-Voce held on.....

Internal Examiner

External Examiner

ABSTRACT

This project presents the control of terrorist attack throughout the world by monitoring and controlling ofmobile robot via internet through Raspberry pi board. The monitoring and controlling of robotic movements through wireless network by using a web browser and accessing a webpage. A camera is mounted on the robot to get better visibility of the objects. The programming language of the robot is based on the LINUX platform which will be interfaced with Raspberry Pi board. Video is captured through the webcam placed on the robotic unit and lively transmitted to the remote end. Controls are provided on the console page where one can see the live streaming as well as can control the movement of robotic unit.

This project gives an approach towards video surveillance and control using advanced processor like raspberry pi. The proposed system can be used in military applications just by adding few sensors like infrared sensors so as we can detect the movements. In health care applications the proposed system can be used just by changing the design the robotic unit. As the internet of things is the concept, newly introduced in the field of electronics. The concept is about handling the things with the use of internet and the best model for these applications is raspberry pi.

HOOK UP RASPBERRY PI

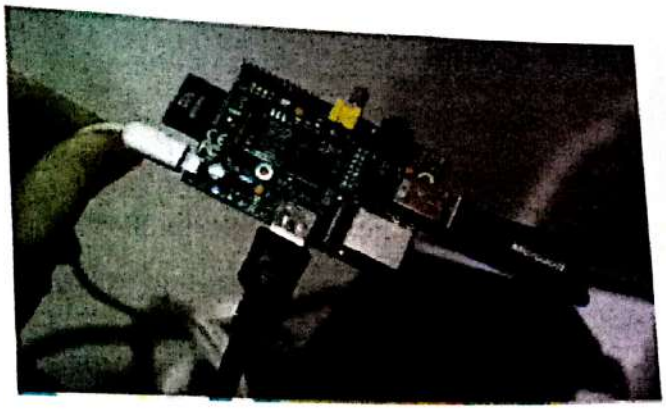

FIG 6.3.1E.RASPBERRY PI CONNECTION

Connecting everything to Raspberry Pi is pretty easy. Start by connecting the HDMI cable from the unit to your television (or monitor). If you're using the analog composite video connection instead, connect it to your television (or monitor) and plug in a set of speakers to the 3.5mm audio jack. If you want your Raspberry Pi to connect to your network and/or the internet, use an Ethernet cable to connect it to your router. If you've set up a computer before, this should all seem familiar.

Finally, you need to connect Raspberry Pi with a micro USB power adapter. As mentioned earlier, you need an adapter that can provide at least 700mA at 5V. Fortunately, you probably already have one. Many Smartphone and tablet chargers utilize micro USB and provide 700mA at 5V (or more). You can find out by reading the small text on the plug and looking for the *output* section. (Note: it may say 0.7A (or higher) instead of 700mA.) When you have a compatible power adapter on hand, connect it to a micro USB cable and then connect that cable to the micro port on your Raspberry Pi unit. It'll turn on all by itself and you should see it boot for the first time.

PRIVACY PRESERVATION FOR OUTSOURCED MEDICAL DATA USING HABE

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING
BY

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M.DHEERAJ	**(15E11A0580)**
B.CHANDRA KIRAN	**(15E11A0566)**
B.DEVI PRASAD	**(15E11A0570)**

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2018-2019

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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Ibrahimpatnam - 501 510, Hyderabad

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Viva-Voce held on..... 3/5/19

3/5/19

Internal Examiner

External Examiner

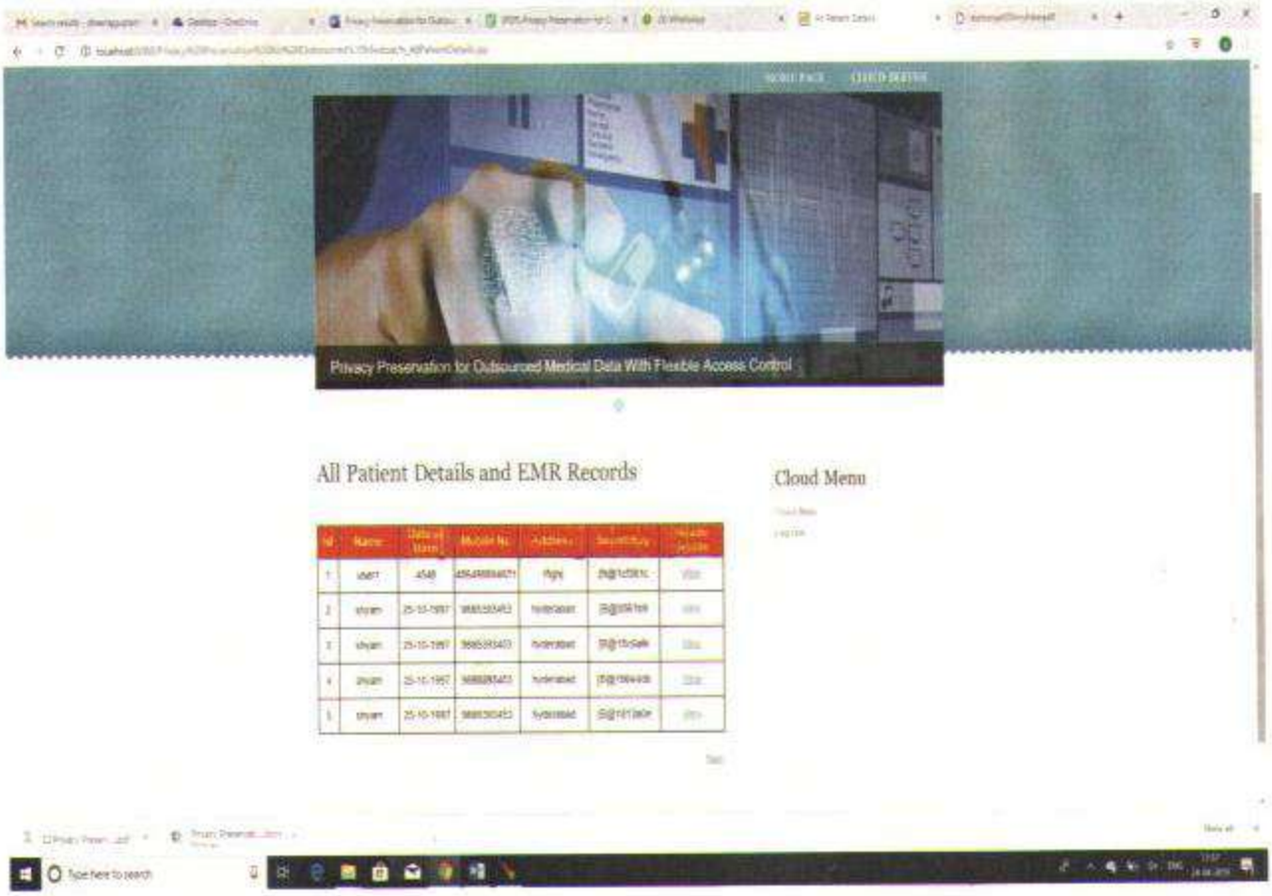
ABSTRACT

Electronic medical records (EMRs) play an important role in healthcare networks. Since these records always contain considerable sensitive information regarding patients, privacy preservation for the EMR system is critical. We use hierarchal attribute based encryption algorithm. Current schemes usually authorize a user to read one's EMR if and only if his/her role satisfies the defined access policy. However, these existing schemes allow an adversary to link patients' identities to their doctors. Therefore, classifications of patients' diseases are leaked without adversaries actually seeing patients' EMRs. To address this problem, we introduce the two third party authentication (TPA), one for doctor and another for the patient.They not only achieve data confidentiality but also provide authentication for the uploading of the patient's diseases. We provide rigorous proof showing the security and anonymity of our schemes. In addition, we propose an approach in which EMR owners can search for their EMRs in an anonymous system. For a better user experience, we apply the online/offine approach to speed up data processing. Experimental results show that the time complexity for key generation and EMR encapsulation can be reduced to milliseconds.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): POS2 & POS3.

7.4.5 Trusted authority

It is the second trusted party authentication for the patient's side. He can view the medical data of the patients and also can manage the medical data.



7.4.5 Trusted party

WILD FIRE TRACKING

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
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Viva-Voce held on..... 3/5/19 .....

3/5/19

Internal Examiner

External Examiner

ABSTRACT

This project aims in detection of occurrence of fire in forests. Fire detection should be taken place in right time to avoid damage for large amounts of natural resources. Our project succeeds in detecting the occurrence of the fire without any delay and can be automatically operated. The system alerts through wireless network message to a control station using IOT, so that they act immediately with the necessary actions. The system also monitors the environmental parameters like rain, temperature and humidity using temperature and humidity detection sensor and alerts to the authorities using wireless network IOT which sends the alerting notification messages to the control unit automatically.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

CHAPTER 6

RESULTS AND DISCUSSION

Project outputs:

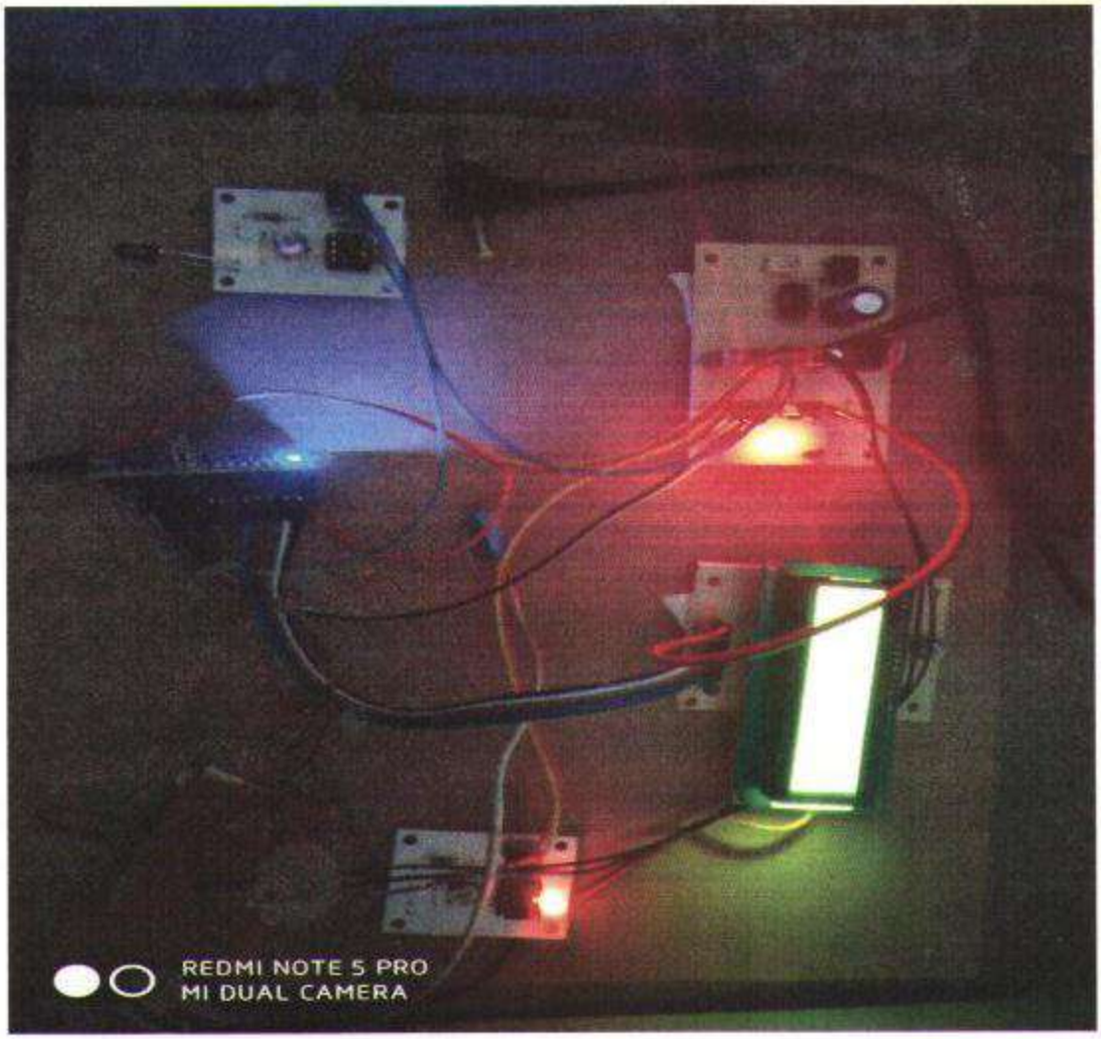

Fig 6.1 : Kit

BIDIRECTIONAL VISITOR COUNTER SYSTEM BASED ON IR

A major Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
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Viva-Voce held on..... 3/5/19

3/5/19
Internal Examiner

External Examiner

ABSTRACT

The need for a device that can automatically control the lightening system of a room and capability of taking count of number of people in a room on its own has been long overdue. Fire outbreaks that occur in various homes originate when the occupant are either sleeping or not even at home at all. In big environments such as petrochemical industries, whenever there is fire outbreak, it turns out to be so fierce that people run away for the sake of their lives.

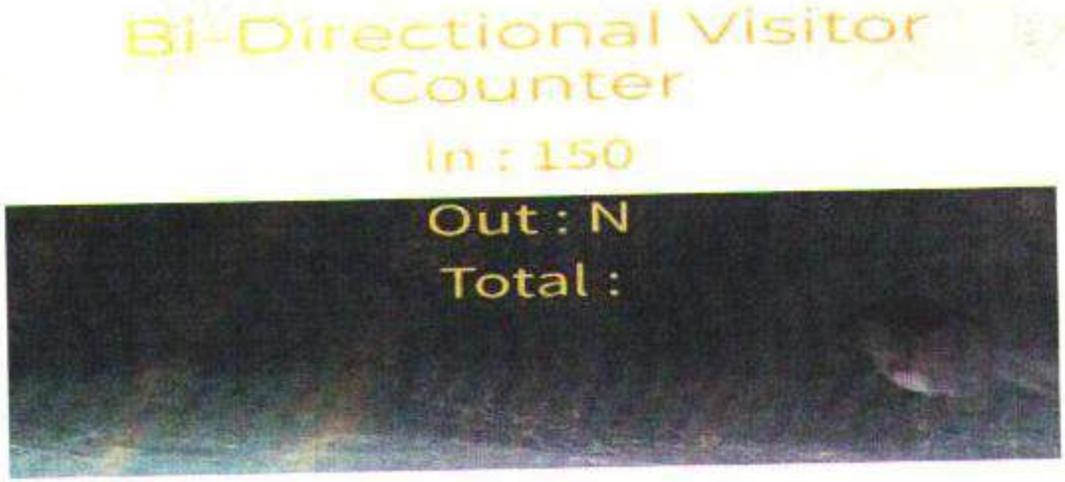
Wastage of electricity is one of the main problems which we are facing now a days. In our home, school, colleges or industry we see that fan and lighting point are kept on even if there are nobody in the room or area and passage. This happens due to negligence or because we forgot to turn lights off or we are in a hurry. To avoid all such situations this project called "Automatic room light controller with visitor counter" is designed. This project has two modules, first one is known as "Digital Visitor counter" and second module is known as "Automatic room light controller". Main concept behind this project is known as "Visitor counter" which measures the number of persons entering in any room like seminar hall, conference room, hotel rooms. This function is implemented using a pair of Infrared sensors. The designed circuit consisted of two IR Transmitter-Receiver pairs. Initially the light is switched off but as the person entered into the room; the receiver of first IR sensor pair identified the person and then it will send the signals to micro controller. In response, microcontroller will switched on the room light. Whereas, when anyone left the room, another pair of IR sensor will send the signals to the microcontroller to switch off the room light. The LCD display showed the total number of visitors that entered or left the room and trigger buzzer for the maximum count. This project add application of IOT to update the same.

CHAPTER 7

EXPERIMENTAL STUDIES

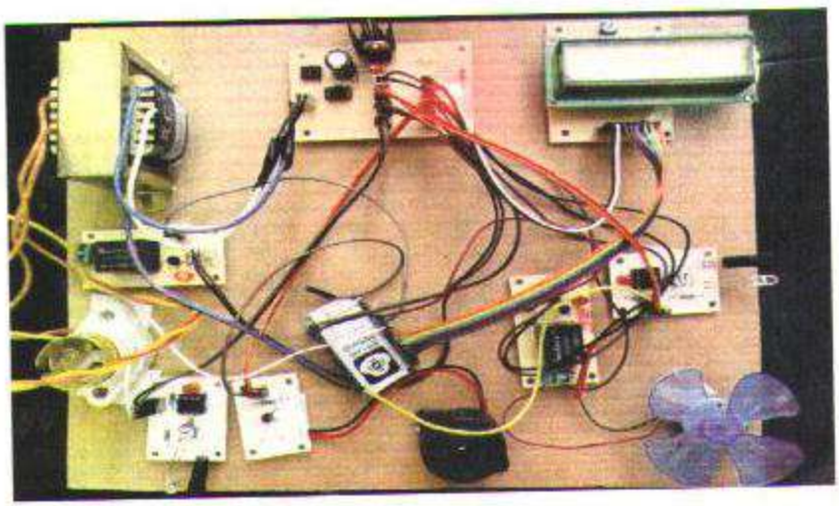
7.1 Results

when the circuit is fixed and people who are checking the status of the visitor counter the page will shown as below



Fig(7.1.1) : web page screen

Thus the whole system that is being developed is given below



Fig(7.1.2):circuit of the project

DEVELOPMENT OF INDOOR AIR QUALITY DETECTION

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
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Certificate

This is to certify that the project work entitled "**DEVELOPMENT OD INDOOR AIR QUALITY DETECTION**" *is the bonafide work done*

By

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Viva-Voce held on.....

3/5/19

Internal Examiner

External Examiner

ABSTRACT

Air quality has attracted much more attention, due to the environmental awareness. The developed system provides a simple way to monitor and control the indoor air quality (IAQ) for residential building applications. In this present scheme, several sensors are employed to detect a variety of gases, such as carbon monoxide (CO), carbon dioxide (CO2), as well as the fine particulate matter In addition, by using the developed user interface web Application, people could observe the real-time status anytime and anywhere.

This project gives a proposal for addressing the issue of indoor air quality using the internet of things communication model. The description of the effects of low moderate levels of pollutants on the occupants on the indoor space is presented. A system, containing multiple sensors (like CO, CO2, Temperature, humidity) networks and being internet of things enabled, is proposed, to facilitate in achieving efficient indoor air quality system.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

CHAPTER 6

RESULTS

When the circuit is fixed and people who are checking the status of the visitor counter the page will shown as below

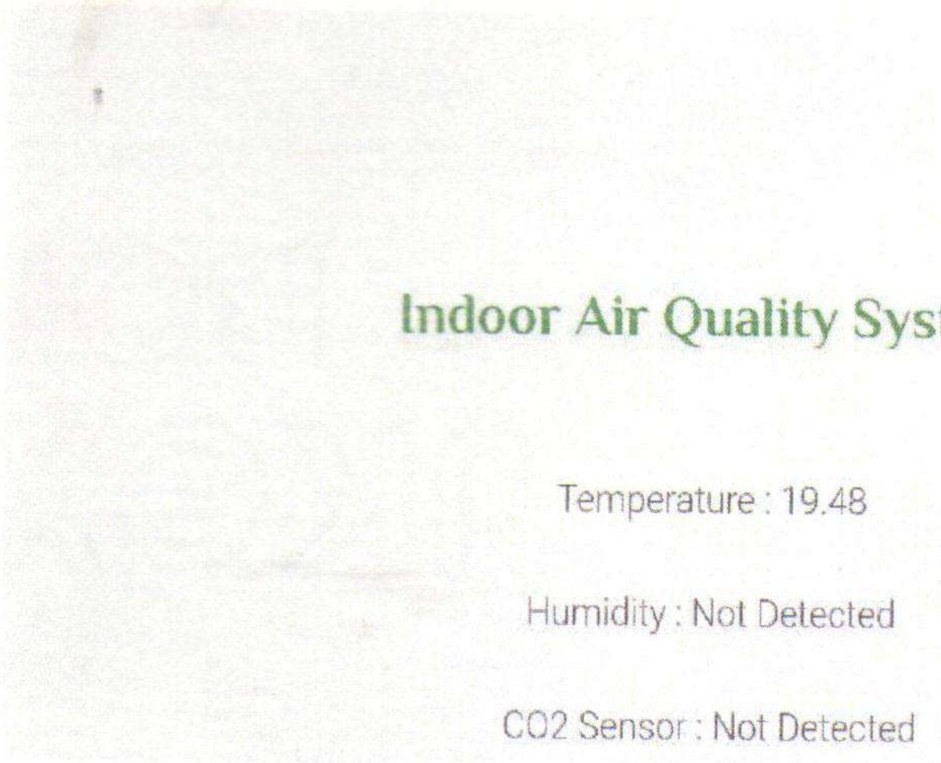

Fig 6.1: Web page screen

Thus the whole system that is being developed is given below

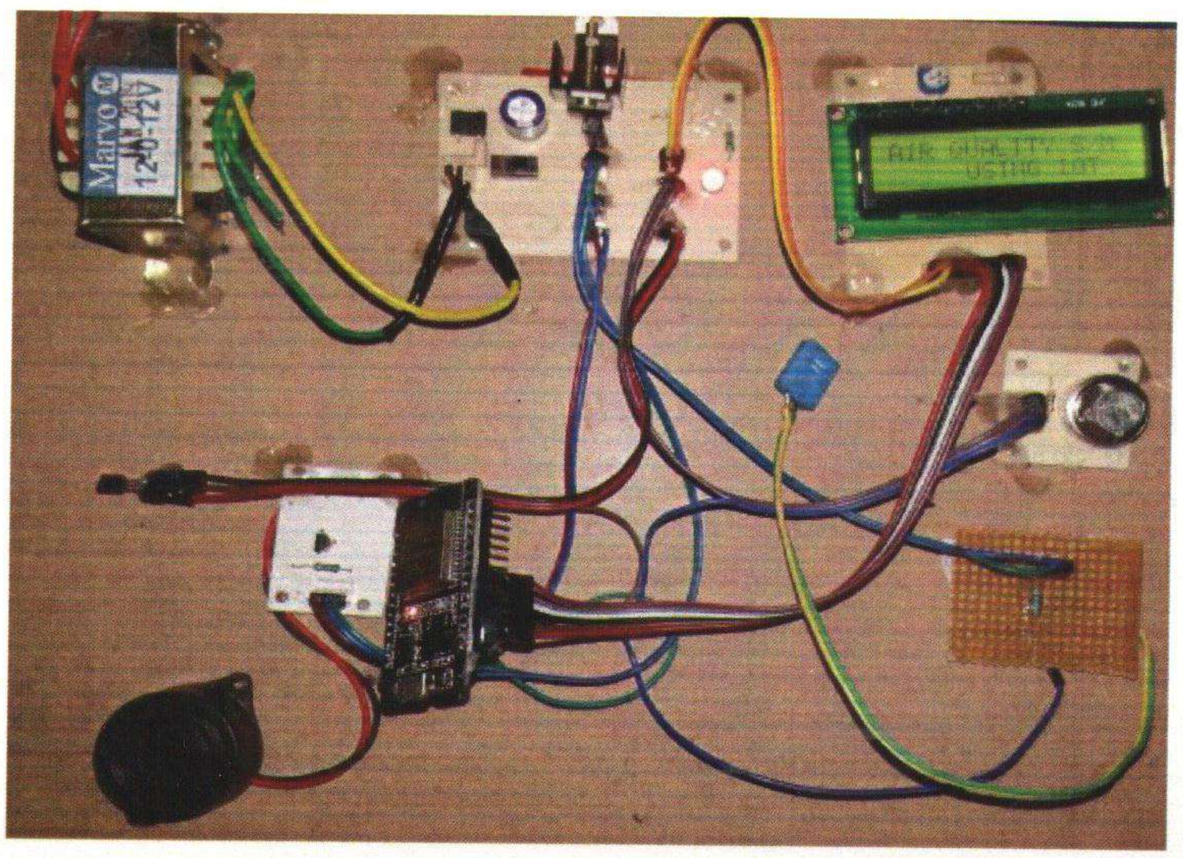

Fig 6.2 Circuit of the project

VOICE OPERATED ROOM AUTOMATION SYSTEM

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

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N.Jagadeesh Chary	**15E11A0592**
S.Srujan Rewanth	**15E11A05A6**

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2018 – 2019

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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J.Ravi Teja	**15E11A0580**
N.Jagadeesh Chary	**15E11A0592**
S.Srujan Rewanth	**15E11A05A6**

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Internal Examiner

External Examiner

ABSTRACT

In this modern world, Home Automation is one of the interesting domain . These systems are expensive and require a complete replacement of the existing equipment. The proposed method will be able to modernize the exiting home appliances and add voice command feature to almost any legacy home appliance at affordable prices. This framework will be very helpful for the needs of elderly and handicapped patients due to its minimalistic technological knowhow requirements. The system operates on an android phone, connected over Bluetooth to a local home automation node and connects with WiFi to a remote node. The app recognizes speech commands and transmits it to the node. Based on the devices connected to it, the node searches for keywords in the command and takes a control action.

CHAPTER 5
RESULTS AND DISCUSSION

The designed module of VOICE OPERATED ROOM AUTOMATION SYSTEM in the present work is shown in figure 5.1. The WIFI and Bluetooth module are used to take the commands and do changes in the system. Figure 5.2 shows the application used for wifi module . Figure 5.3 shows the application used for the Bluetooth module.

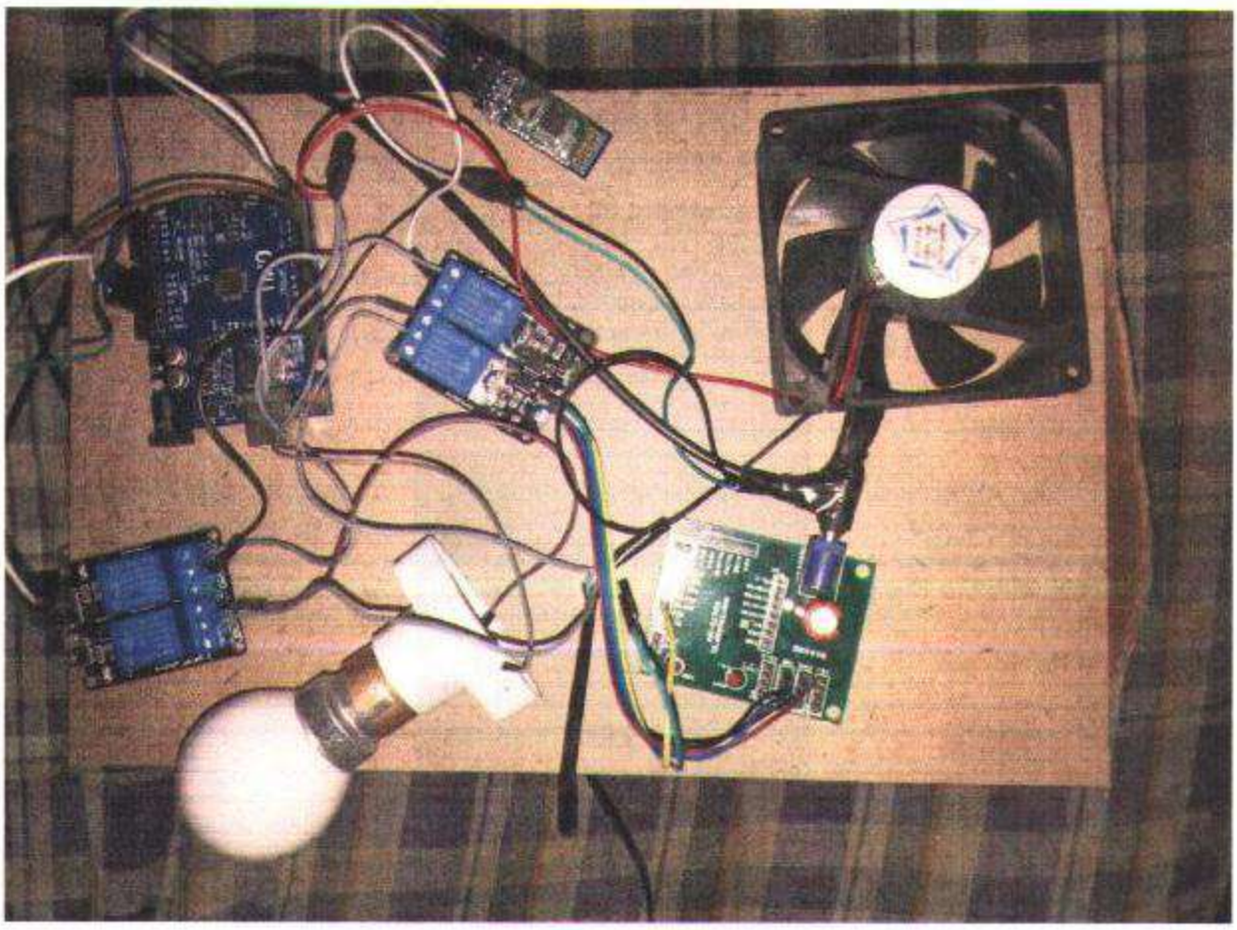

Figure 5.1: Designed module for VORA

SHARED OWNERSHIP IN CLOUD

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
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Pashikanti Vishali	**15E11A0598**
Poluri Manisha	**15E11A0595**

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Viva-Voce held on 3/5/19

7/5/19
Internal Examiner

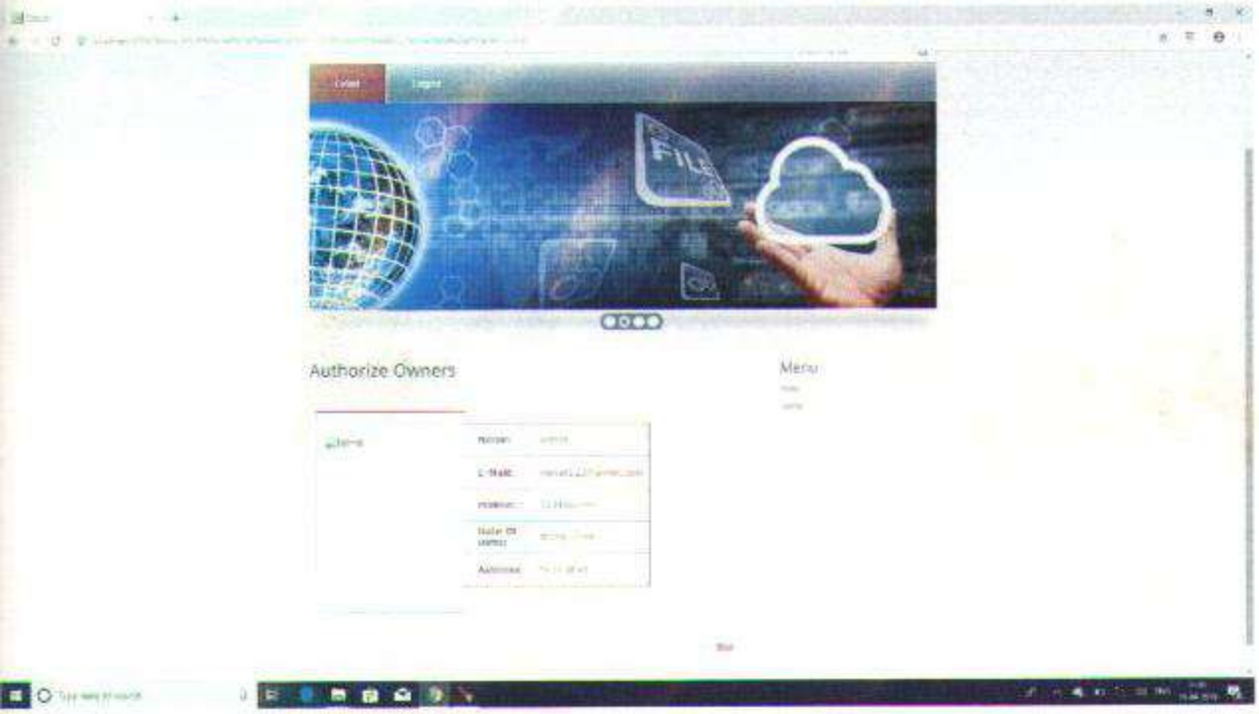
External Examiner

ABSTRACT

Cloud storage platforms promise a convenient way for users to share files and engage in collaborations, yet they require all files to have a single owner who unilaterally makes access control decisions. Existing clouds are, thus, agnostic to the notion of shared ownership. This can be a significant limitation in many collaborations because, for example, one owner can delete files and revoke access without consulting the other collaborators.

In this project, we first formally define a notion of shared ownership within a file access control model. We then propose two possible instantiations of our proposed shared ownership model. Our first solution, called Commune, relies on secure file dispersal and collusion resistant secret sharing to ensure that all access grants in the cloud require the support of an agreed threshold of owners. As such, Commune can be used in existing clouds without modifications to the platforms. Our second solution, migration, which allows owners to switch between clouds when not satisfied by the services of present cloud.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs):PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.


Authorize Owners
Menu


TOWARDS SHARED OWNERSHIP IN THE CLOUD
Cloud Requests
Menu

FALL DETECTION FOR ELDERS USING WEARABLES

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

By

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Under the guidance of

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2018 - 2019

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*This is to certify that the project work entitled "**Fall Detection for elders using Wearables**" is the bonafide work done*

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ABSTRACT

Rapid detection of human fall events has the significance in reducing the rate of mortality and raising the chances of survival of the fallen individual. The present work deals with human fall detection using MEMs (Micro Electro Mechanical system) accelerometer. The principle behind this work is detection of changes in the motion and body position of a subject, using sensor, which tracks acceleration changes in three orthogonal directions. The data is continuously analysed algorithmically to determine occurrence of fall. When the fall is detected, GPS (Global Positioning System) locates the exact fall location with the latitude and longitude values. The GSM (Global System for Mobile communication) modem transmits these values to the mobile phones of care takers/ relatives of the fallen subject. This alert message helps to provide immediate assistance and treatment

In most of our countries, elderly people represent the fastest growing segment of the population, and this trend will increase over the next years. Indeed, by the year 2035, one third of the European population will be more than 65 years old. At the same time, the Public Health Services institutions have to face budget restrictions and increasing pressure to limit costs. Together with the lack of rooms in the care centers, these evolutions lead to encourage elderly to stay living longer athome instead of being admitted in care centers. For the elderly population, which represents a large part of Social Health Services expenditures, it means most of the time living alone and independent lying their homes, with all the risks it involves. Tackling these expected needs, investigation has led to the development of a wide range of telemedicine systems over the last 20 years. Such systems are designed to offer major security to persons living alone in their homes, including to persons admitted in care centers, as efficient tool to assist carers in their tasks.

One of the major risks incurred by the fragile population (elderly, illness, people in adaptation time after a chirurgical intervention, etc…) is to fall. Indeed, 30% of elderly people fall once a year at least, representing 75% of the victims of falls. The fall event is responsible for 70% of accidental deaths in persons aged 75+, and for increasing the level of fear, anxiety or depression leading to the reduction of the day to day activity.

CHAPTER 5

RESULTS AND DISCUSSION

The designed module of human fall detection in the present work is shown in figure 5.1. The MEMs sensor is used to track the acceleration changes in three orthogonal directions. Figure 5.2 shows the latitude and longitude values obtained at the receiver end. These values are used to identify user's location. Figure 5.3 shows the message obtained from GSM about location of fall.

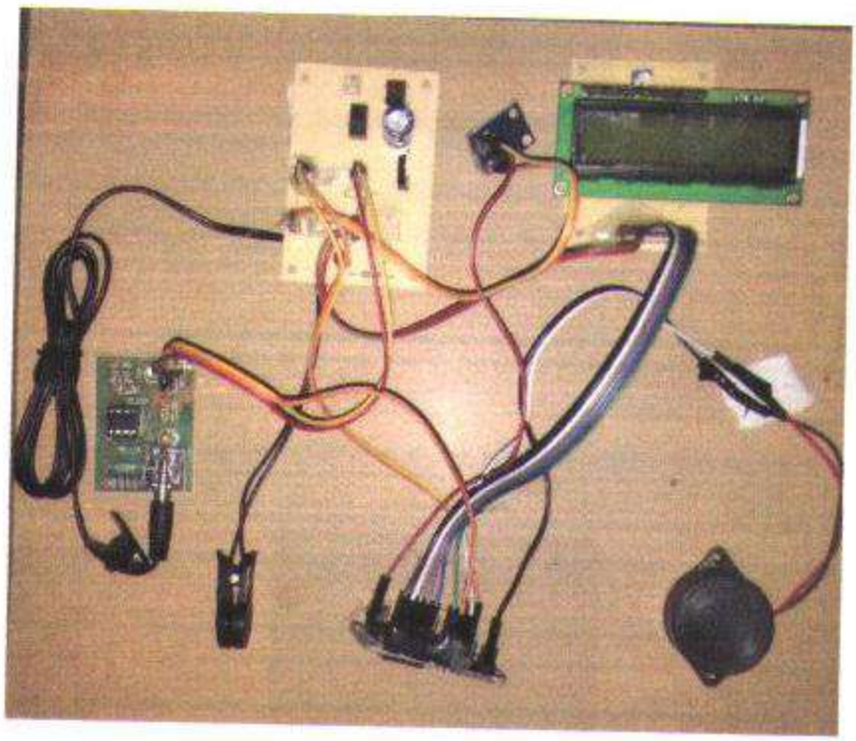

Figure 5.1: Designed module for Human Fall Detection

DISASTER & ALCOHOL REVELATION THROUGH SMART HELMET

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
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ABSTRACT

The main aim of this project is to provide smart Bike security system to avoid accidents with user friendly. This system have two sections one is helmet and other is bike section, these two units communicate with each other and provides high security to the bike rider and the rider Live information updates to web application. Currently we don't have any such system to monitor bike rider whether wearing helmet or/not. As the bikes in our country are increasing, the road mishaps are also increasing day by day, due to which many deaths occur, most of which are caused due to most common negligence of not wearing a helmet. The idea of our work is that a biker must wear a helmet in order to start up his bike, otherwise the bike won't start. Addition to this if person consuming alcohol it doesn't the user to start the vehicle. In normal condition when the accident occurs at various places, the information is gathered by the cloud using GPS and IOT of controller and then cloud which will send messages to the ambulance , police , family and to the nearby hospitals.

Thus the whole system that is being developed is given below

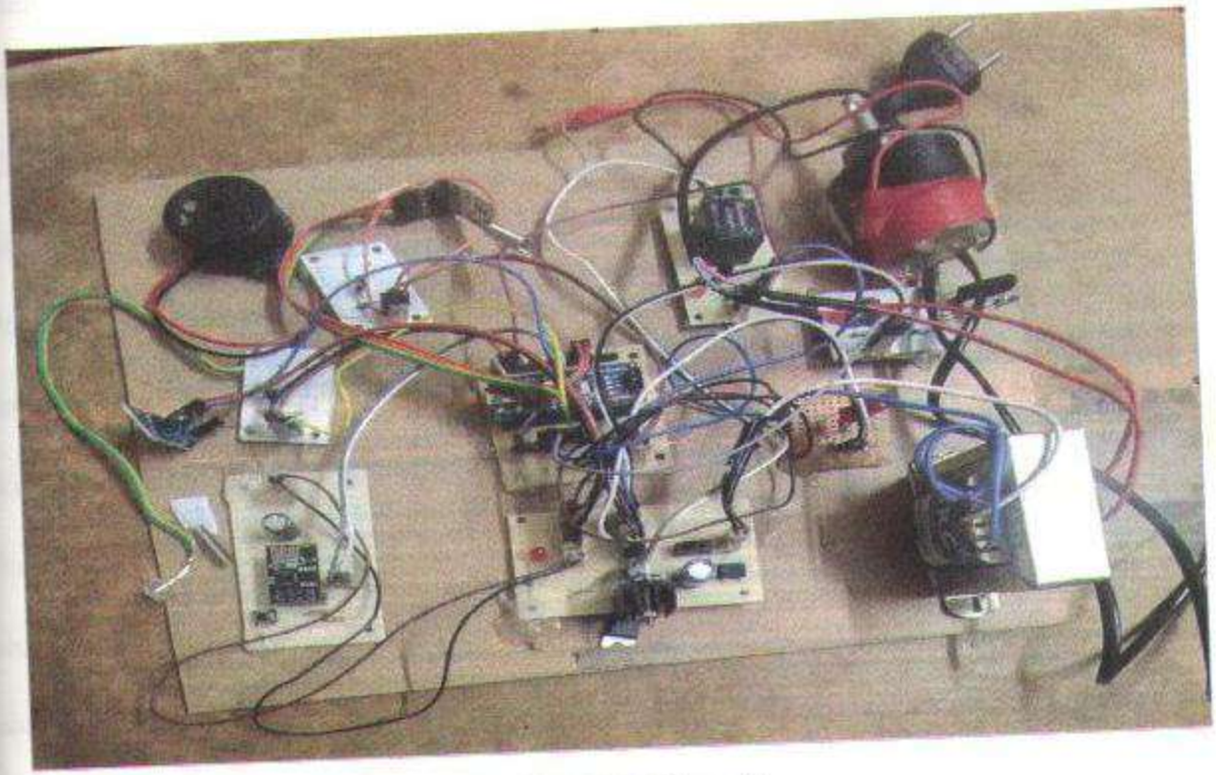

Fig 7.1.1 Bike unit

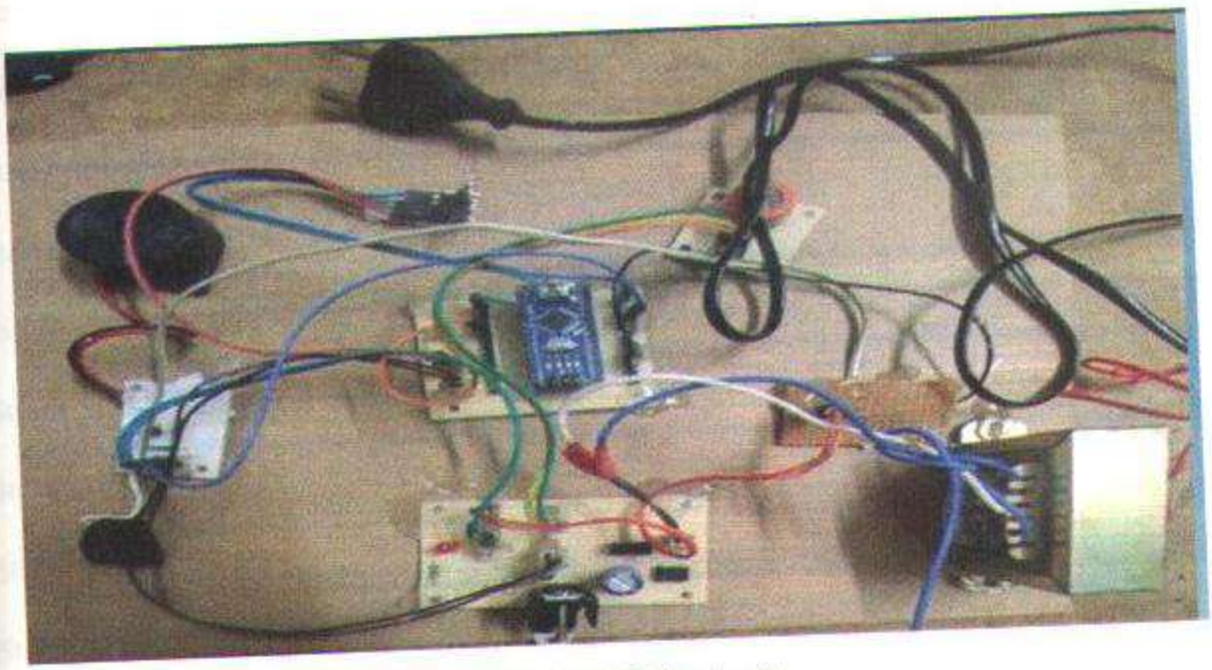

Fig 7.1.2 Helmet unit

NU SMART SHOPPING CART

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ABSTRACT

The main aim of the project is to design a Smart Trolley which is capable of automatically identify and Calculating the price of products inserted into the trolley. This Trolley connected with the IOT , so that troiley can update the status to user and merchant using web application / android application.

The project mainly aims in designing a trolley in shopping mall which automatically calculates the total amount for goods which we select and finally have option to pay money at the counter.

Automation is the most frequently spelled term in the field of electronics. The hunger for automation brought many revolutions in the existing technologies. One among the technologies which had greater developments is RF communications. The result of this is the RFID cards which transmit a unique identification number. This number transmitted by the RFID can be read with the help of a RFID reader.

This onboard computer consists of number of input and output ports. The onboard computer is commonly termed as micro controller. The input and output ports of the controller are interfaced with different input and output modules depending on the requirements. In other words micro controller acts as a communication medium for all the modules involved in the project. The device also consists of LCD which displays the information about the status of gate open and close.

Fig:7.3 Green LED indicating that RFID card aka "Bread" is read and added to the list

After removal is done by pressing the button and swiping the tag of an unnecessary product, the cost of the item deleted is shown with the total cost changing accordingly

Fig:7.4 Butter removed from the list

The red LED is notifying about the deletion performed

Fig:7.5 Red LED indicating that RFID card aka "Bread" is read and removed from the list

The special case of the product removal from the list happens when a user swipes the tag of an unwanted item even if there is no such product in the cart anymore. This is

SECURE SHARING OF PERSONAL HEALTH RECORD

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ABSTRACT

The widespread acceptance of cloud based services in the healthcare sector has resulted in cost effective and convenient exchange of Personal Health Records (PHRs) among several participating entities of the e-Health systems. Nevertheless, storing the confidential health information to cloud servers is susceptible to revelation or theft and calls for the development of methodologies that ensure the privacy of the PHRs. Therefore, we propose a methodology called SeSPHR for secure sharing of the PHRs in the cloud. The SeSPHR scheme ensures patient-centric control on the PHRs and preserves the confidentiality of the PHRs. The patients store the encrypted PHRs on the un-trusted cloud servers and selectively grant access to different types of users on different portions of the PHRs. A semi-trusted proxy called Setup and Re-encryption Server (SRS) is introduced to set up the public/private key pairs and to produce the re-encryption keys. Moreover, the methodology is secure against insider threats and also enforces a forward and backward access control. Furthermore, we formally analyze and verify the working of SeSPHR methodology through the High Level Petri Nets (HLPN). Performance evaluation regarding time consumption indicates that the SeSPHR methodology has potential to be employed for securely sharing the PHRs in the cloud.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

7.3 SCREENSHOTS

Home:

Fig 7.3.1 Home Screen

User session:

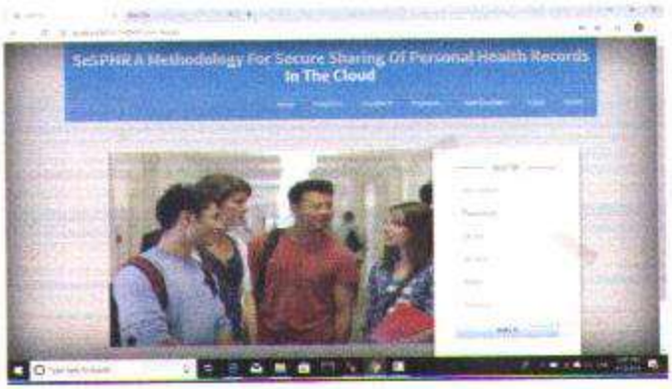

Fig 7.3.2 User Initial Screen

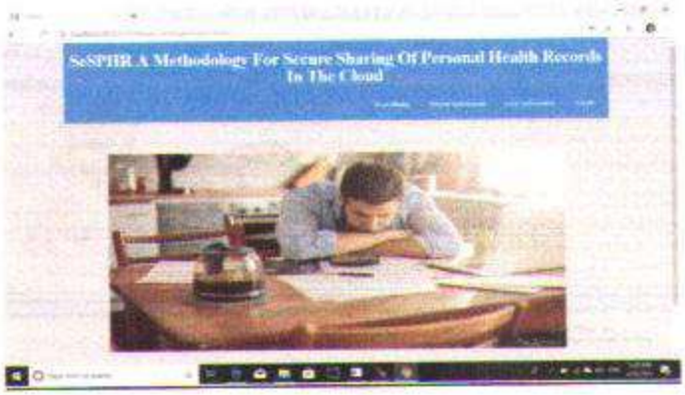

Fig 7.3.3 User Home

IOT Fault Management Platform with Protection at Coal-Mines

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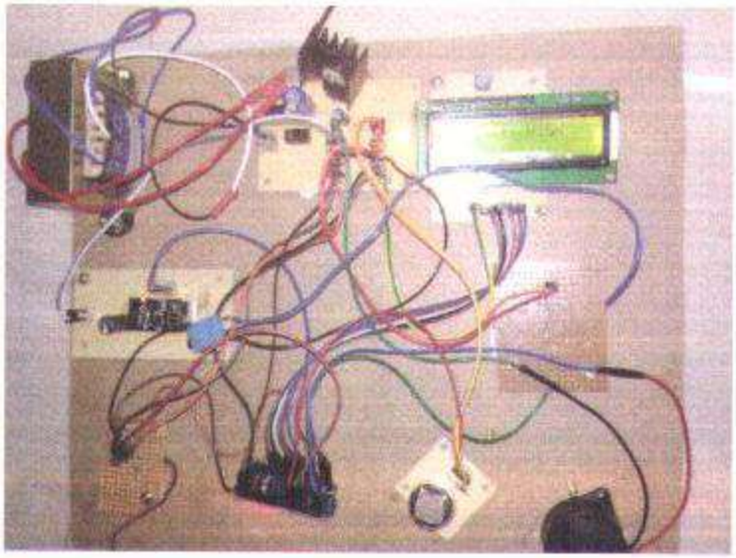
ABSTRACT

The Main aim of this project is to detect fault management detection and protection system in coal mine industries using multiple security sensors, PAN network and IOT. This system mainly detects the faults at underground coal mines and alert the workers who are working in undergrounds Using LCD display and alarm, this information contirnoerusly update to control unit present at the ground area through zigbee personal area network. Using IOT (Internet of things) communication head office will monitor the each and every conditions or faults at that particular area through web or android application.

Industrial safety is one of the main aspects of industry specially mining industry. In the mining industry safety is a very vital factor. To avoid any types of unwanted phenomena all mining industry follows some basic precaution and phenomena. Communication is the main key factor for any industry today to monitor different parameters and take necessary actions accordingly to avoid any types of hazards.



->It shows the value when water is detected.

Fig:water

->When the humidity increases it raises an alaram shows value on the screen.

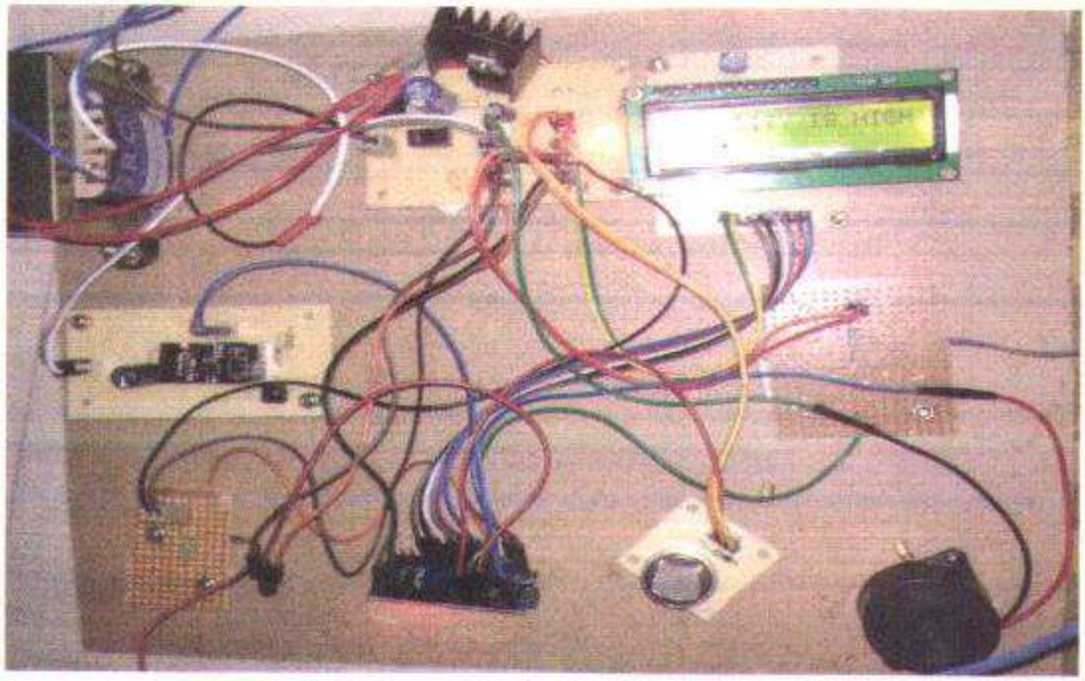


FIG: humidity

LUNG CANCER DIAGNOSIS USING NN-CLASSIFIER

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ABSTRACT

This project is about "**lung cancer diagnosis using NN-Classifier**". In medical practices the early detection and recognition of lung cancer accurately is very important. Medical images those are biomedical images, captures the images for the purpose of diagnostic and therapeutic. The biomedical image processing includes analysis of enhancement and displaying the captured images.

This project is done using MATLAB. The input image is in DICOM format this image can be convert into JPEG format and resize the image, because the image is having more size, it requires more time for segmentation process and less picture quality. So the size should be resized into 256*256. Thresholding and Masking used to detect the tumor in lung (CT) images. The both algorithms is used to segment the tumor from lung images. The image can be segmented thoroughly and finally obtained the image into segments. Classification is used to classify that the image is normal or abnormal. NN is one type of classifier, the classifier compares the given image within the database if the tumor is identified while comparing the each pixels, it display the message box the tumor is affected. after completing the NN training. The feature extraction is a major process in recognition applications and classifications, normally several texture based feature extraction classifications are there those are GLCM, LBP,SLBP. Feature extraction produces Statistical values.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

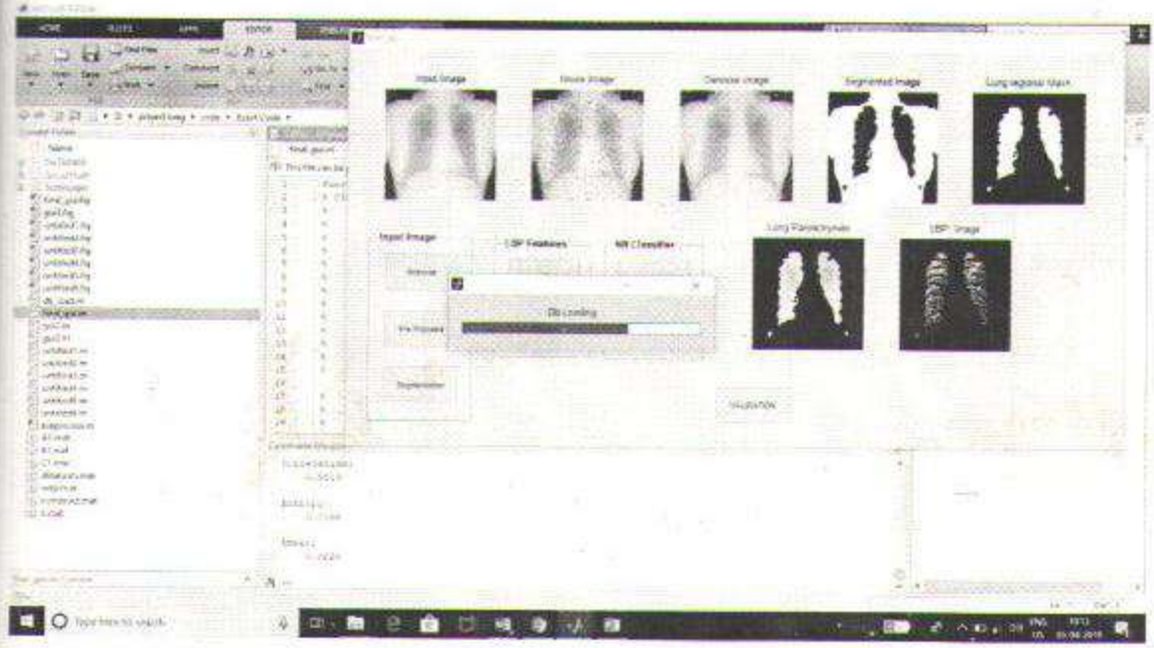

Fig 7.6.: Screenshot of Dataset Training

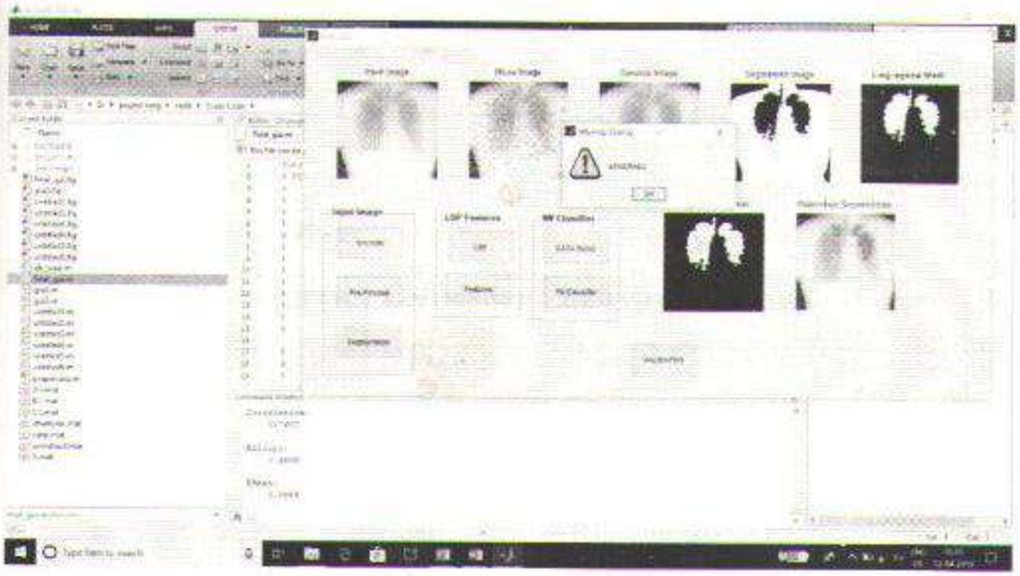

Fig 7.7.: Screenshot of Classification

After completing the NN training the results shows us which type of tumour it is.

ANALYSIS OF CLASSIFICATION PERFORMANCES OF DATASET ON VARIOUS DATA MINING TOOLS

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ABSTRACT

The process of extracting meaningful rules from big and complex data is called data mining. Data mining has an increasing popularity in every field today. Data units are established in customer-oriented industries such as marketing, finance and telecommunication to work on the customer churn and acquisition, in particular. Among the data mining methods, classification algorithms are used in studies conducted for customer acquisition to predict the potential customers of the company in question in the related industry. In this study, bank marketing data set in UCI Machine Learning Data Set was used by creating models with the same classification algorithms in different data mining programs. Accuracy, precision and f- measure criteria were used to test performances of the classification models. When creating the classification models, the test and training data sets were randomly divided by the holdout method to evaluate the performance of the data set. The data set was divided into training and test data sets with the 60-40%, 75-25% and 80-20% separation ratios. Data mining programs used for these processes are the R, Knime, RapidMiner and WEKA. And, classification algorithms commonly used in these platforms are the k-nearest neighbor (k-nn), Naive Bayes, and C4.5 decision tree.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

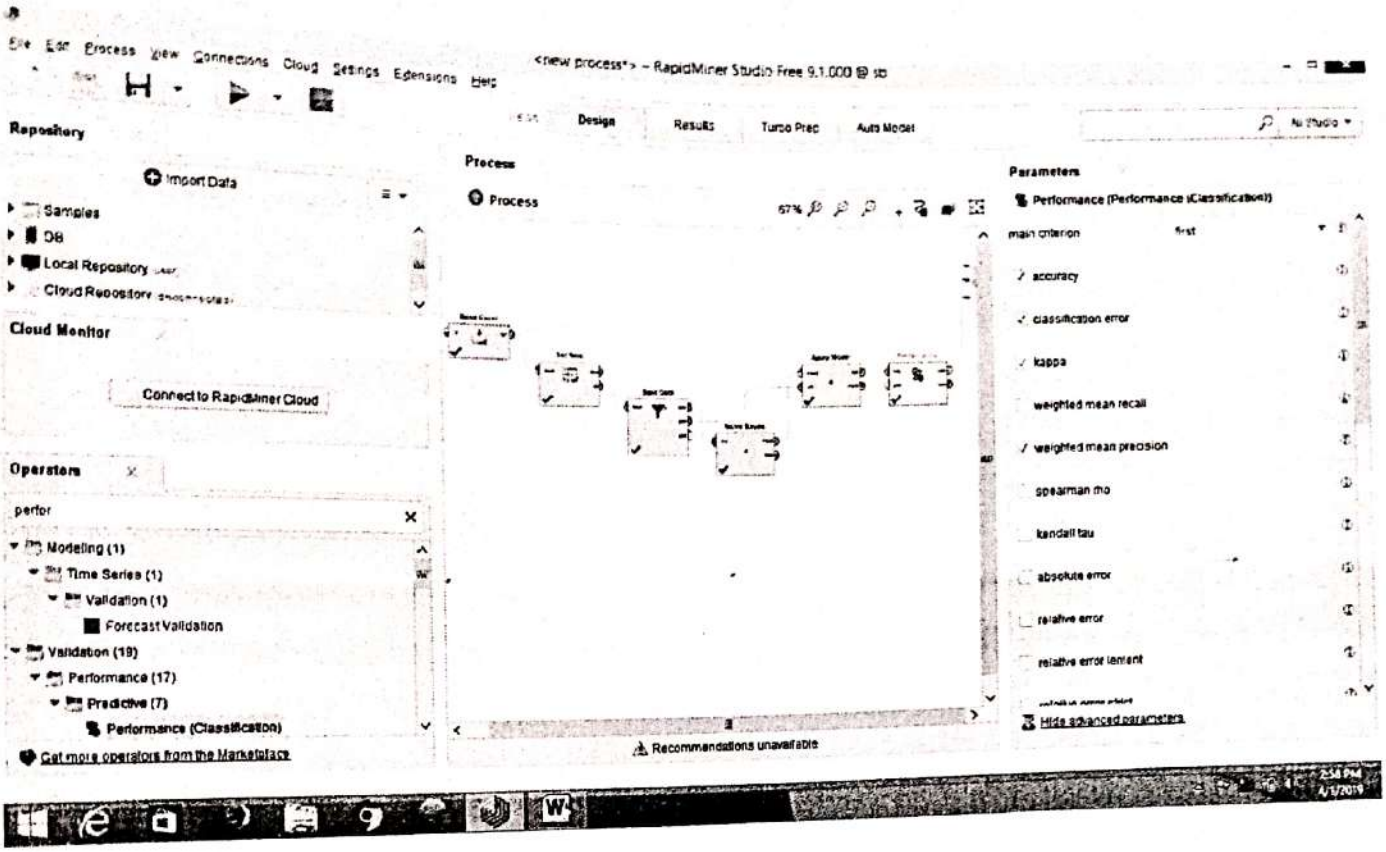

Fig 5.3.7: Naïve Bayes in Rapid Miner

CONNECTING AND MONITORING DEVICES OVER IOT USING RASBERRY PI3

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING
BY

G.ANKITHA	**(15E11A05D5)**
S.KATHYAYANI	**(15E11A05H3)**
B.MOUNIKA	**(15E11A05C4)**
MANISHAROY	**(15E11A05F6)**
M.KRISHNAPRIYA	**(15E11A05F4)**

Under the guidance of

Mrs. M. Vineela

(Associate professor ,CSE)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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(Affiliated to JNTUH Hyderabad, Approved by AICTE & Accredited by NAAC)
Ibrahimpatnam - 501 510, Hyderabad

2018-2019

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BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Affiliated to JNTUH Hyderabad, Approved by AICTE & Accredited by NAAC)

Ibrahimpatnam - 501 510, Hyderabad

Certificate

This is to certify that the project work entitled **"CONNECTING AND MONITORING DEVICES OVER IOT USING RASPBERRY PI3"** *is the bonafide work done*

By

G.ANKITHA	**(15E11A05D5)**
S.KATHYAYANI	**(15E11A05H3)**
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MANISHAROY	**(15E11A05F6)**
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M.E,Ph.D

Dept of CSE

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Viva-Voce held on.....

Internal Examiner

External Examiner

ABSTRACT

Now a days death rate is increased in India because of heart attacks and the reason behind this cause is that, the patients are not getting the proper check-up during the period of time.

In order to provide the proper check-up for patients we need to monitor the health of the patients continuously.

This project is designed to monitor the body temperature and heartbeat of the patient using IOT. Through this we can easily send the real time information to many users.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

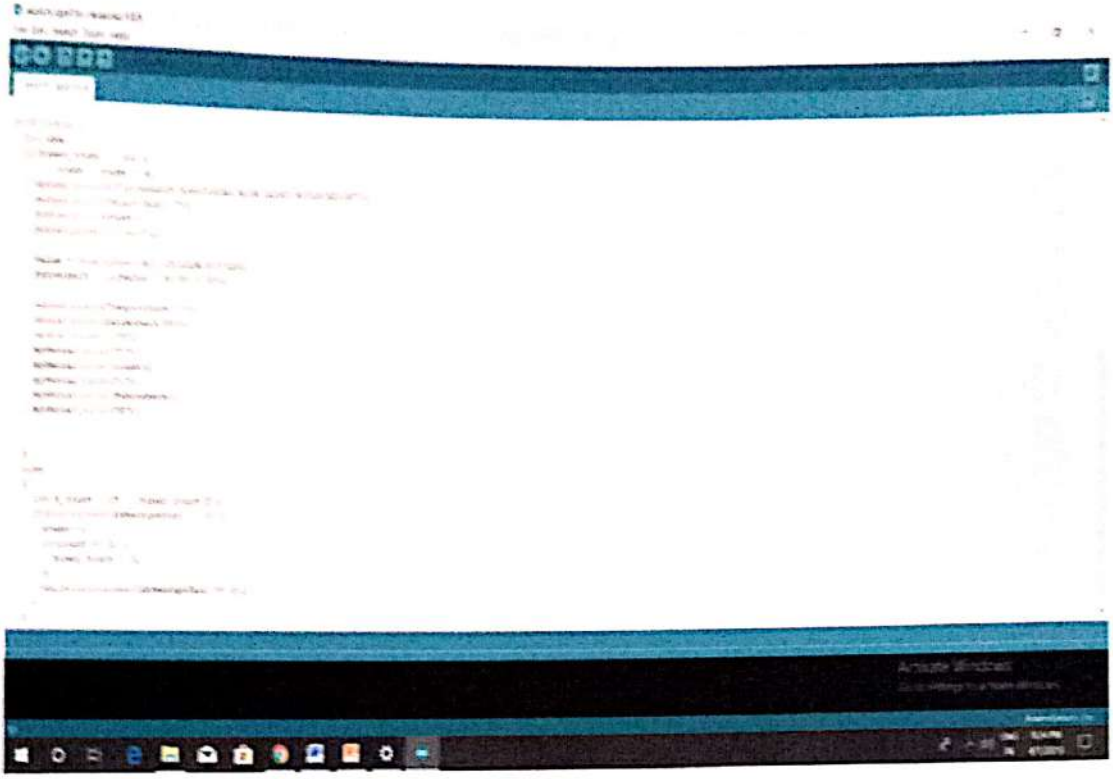

Fig 7.2.2: The screenshot contains the arduino code compiled

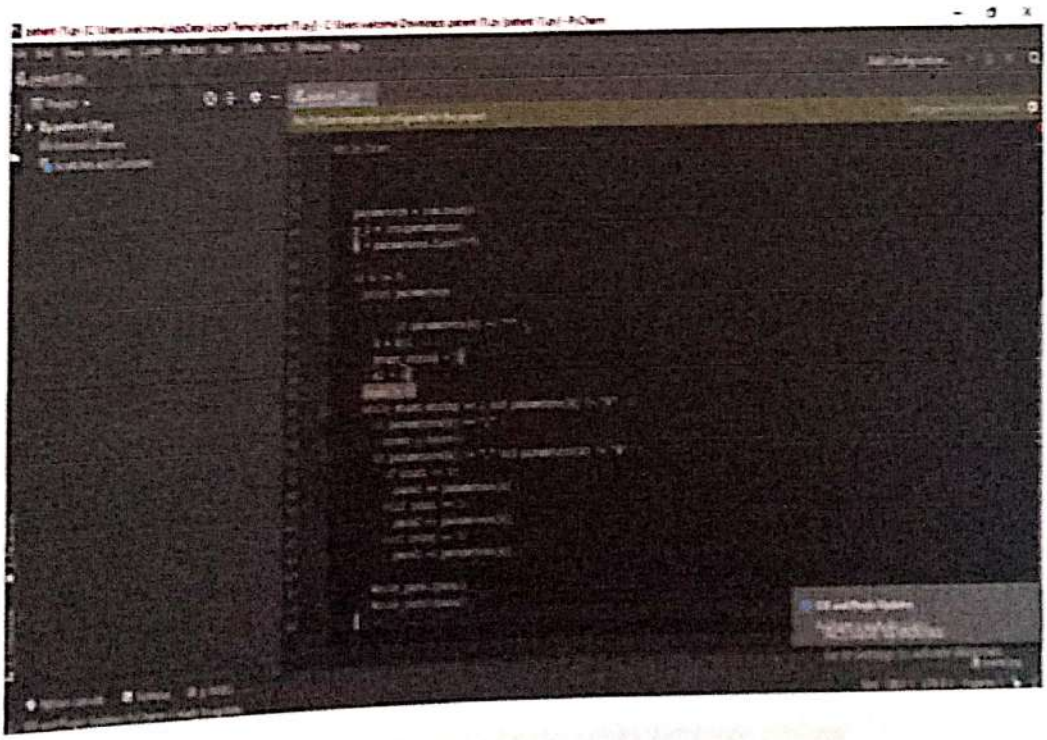

Fig 7.2.3: The screenshot contains the python code

Shopping Cart with Automated Billing using Arduino and Bluetooth

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
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M.Aakash	**15E11A05F3**
K.Akhil	**15E11A05H1**

Under the guidance of

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(Affiliated to JNTUH Hyderabad, Approved by AICTE)

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Certificate

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Viva-Voce (For Seminar Evaluation) held on 3/5/19

Internal Examiner (For Seminar Supervisor)

External Examiner (For Seminar HOD)

ABSTRACT

A supermarket or a hypermarket is a form where wide variety of product items is available. These product items can be food, beverages or any household product. The main purpose of supermarkets is to provide availability of all the products and save the time of the customers but sometimes customer gets frustrated while waiting in the queue at billing counter and sometimes they get confused while comparing the total price of all the products with the budget in the pocket before billing. To overcome these problems, we have designed a smart trolley using a smart phone and Arduino. With this system, there is no need for customer to wait in the queue for the scanning for the product items for billing purpose. Supermarkets or Hypermarkets provide this faculty to only those customers which having membership cards. When the customer inserts the membership card in the basket or trolley only then it will work as a smart trolley. Otherwise, it will work as a normal trolley. Supermarkets and hypermarkets use this technique as a strategy to increase the number of customers.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, type (application, product, research, review etc.) and standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

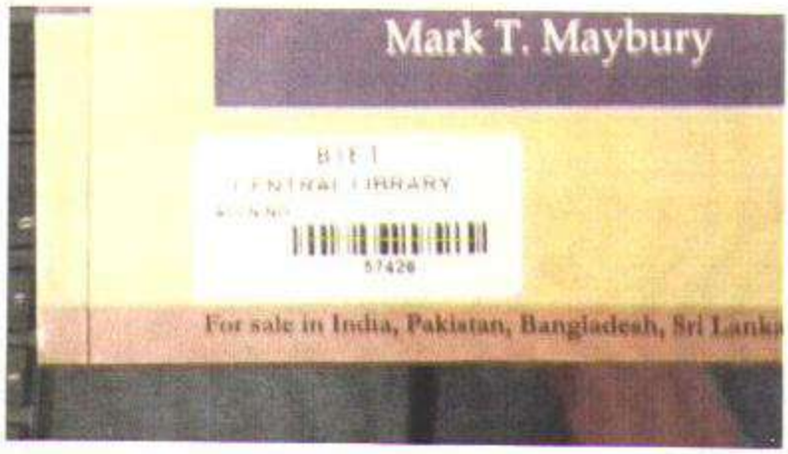

Fig.7.3.5 Test Case t6

Fig.7.3.6 Test Case t7

Fig.7.3.7 Test Case t8

BRAIN TUMOUR DETECTION USING DISCRETE WAVELET TRANSFORM

An Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

By

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B.LAVANYA	(15E11A05C3)
CH.GAYATHRI DEVI	(15E11A05C8)
S.BHOGESWARI	(15E11A05H5)

Under the guidance of
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2018 – 2019

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpatnam - 501 510, Hyderabad

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*This is to certify that an Project Work entitled "**BRAIN TUMOUR DETECTION USING DISCRETE WAVELET TRANSFORM**" is the bonafide work done*

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B.LAVANYA	**(15E11A05C3)**
CH.GAYATHRI DEVI	**(15E11A05C8)**
S.BHOGESWARI	**(15E11A05H5)**

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Viva-Voce held on 3/5/19

Internal Examiner

External Examiner

ABSTRACT

This project is about "**Brain tumour detection using Discrete wavelet transform**". In medical practices the early detection and recognition of brain tumour accurately is very important. Medical images those are biomedical images, captures the images for the purpose of diagnostic and therapeutic. The biomedical image processing includes analysis of enhancement and displaying the captured images.

This project is done using MATLAB. The input image is in DICOM format this image can be convert into JPEG format and resize the image, because the image is having more size, it requires more time for segmentation process and less picture quality. So the size should be resized into 256*256. Thresholding and Masking used to detect the tumor in brain (MRI) images. The both algorithms is used to segment the tumor from brain images. The image can be segmented thoroughly and finally obtained the image into segments. Classification is used to classify that the image is normal or abnormal. NN is one type of classifier, the classifier compares the given image within the database if the tumor is identified while comparing the each pixels, it display the message box the tumor is affected, after completing the NN training. The feature extraction is a major process in recognition applications and classifications, normally several texture based feature extraction classifications are there those are GLCM, LBP,SLBP. Feature extraction produces Statistical values.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

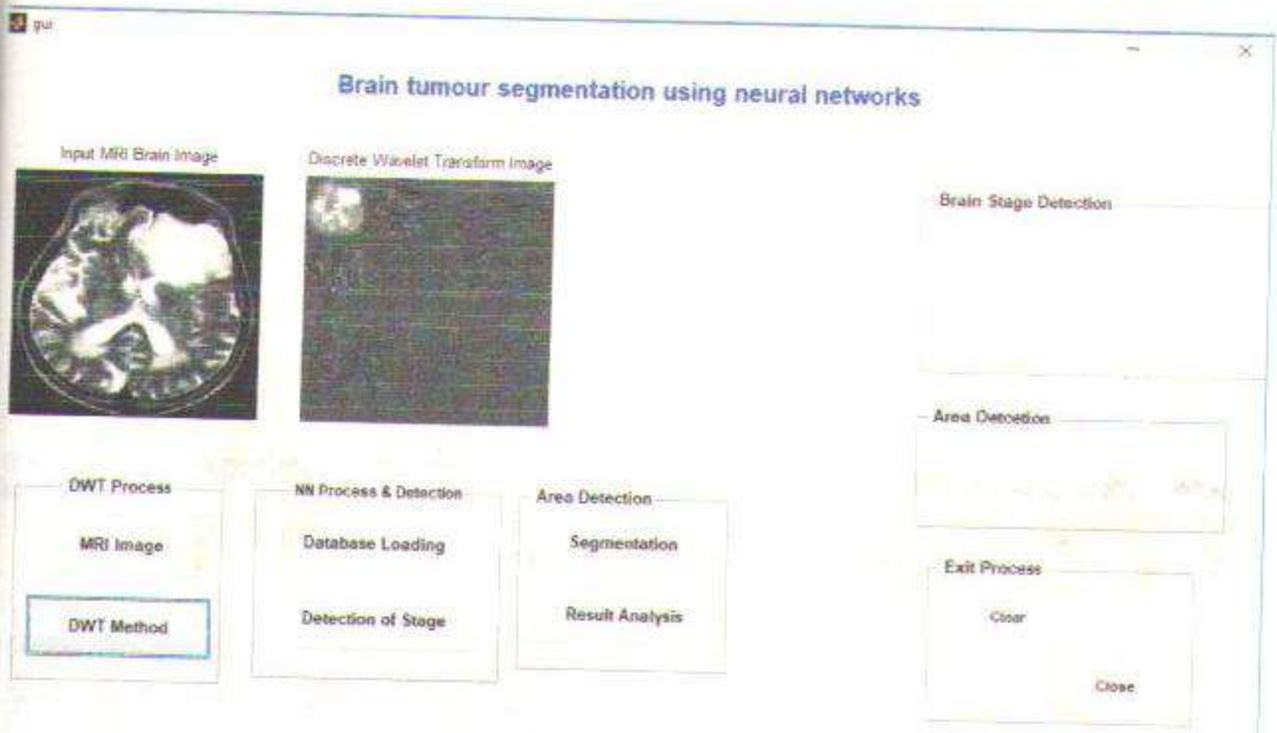

Fig 7.3: Preprocessing

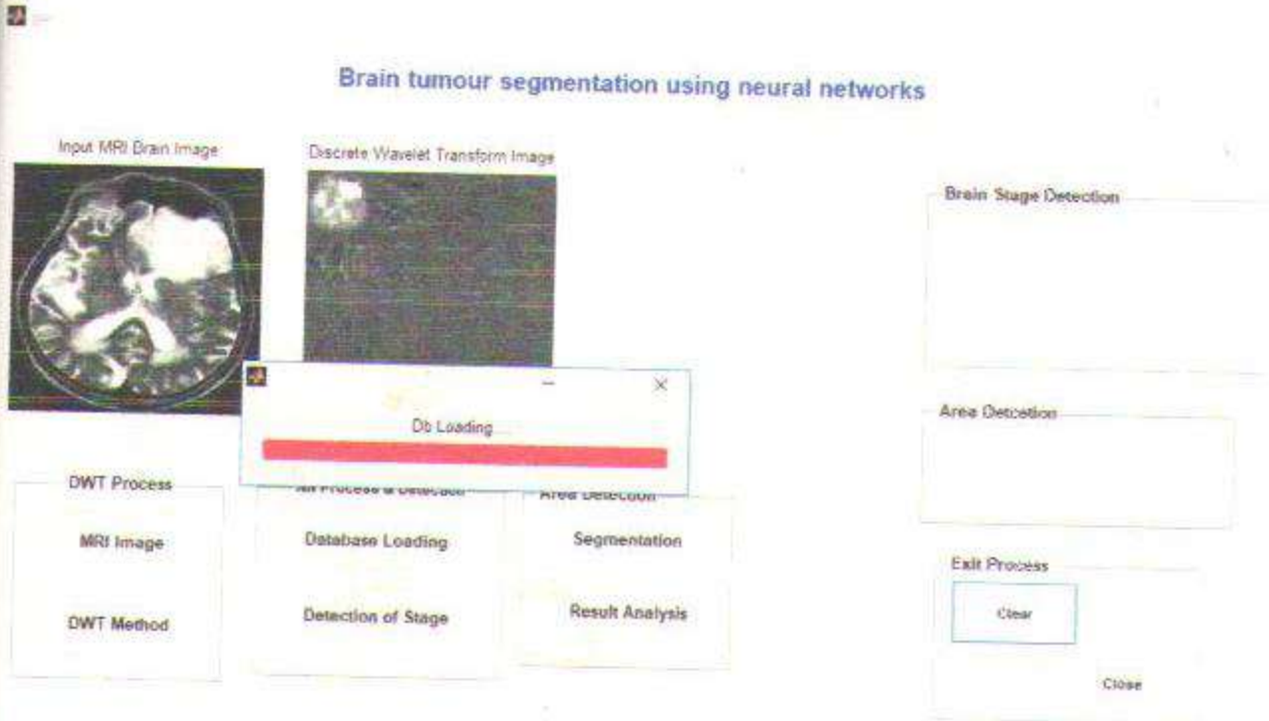

Fig7.4:database loading

AGRICULTURAL SOIL MONITORING

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING
BY

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JORALA CHANDRA SHAKER	**(15E11A05D9)**
KUMBHAM NITHIN REDDY	**(15E11A05F0)**
GARDAS DEEPAK	**(15E11A05D4)**

Under the guidance of
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Assistant Professor, CSE

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2018-2019

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Affiliated to JNTUH Hyderabad, Approved by AICTE & Accredited by NAAC)

Ibrahimpatnam - 501 510, Hyderabad

Certificate

This is to certify that the project work entitled **"AGRICULTURAL SOIL MONITORING"** *is a bonafide work done*

By

MOHAMMED MUJTABA UDDIN	**(15E11A05F9)**
JORALA CHANDRA SHAKER	**(15E11A05D9)**
KUMBHAM NITHIN REDDY	**(15E11A05F0)**
GARDAS DEEPAK	**(15E11A05D4)**

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Ibrahimpatnam – 501 510, Hyderabad.

Viva-Voce held on 3/5/19

Internal Examiner

External Examiner

ACKNOWLEDGEMENT

The satisfaction that accompanies the successful completion of the task would be put incomplete without the mention of the people who made it possible, whose constant guidance and encouragement crown all the efforts with success.

We avail this opportunity to express our deep sense of gratitude and hearty thanks to Sri CH. Venugopal Reddy, Secretary & Correspondent of BIET, for providing congenial atmosphere and encouragement.

We would like to thank Prof. G. Kumaraswamy Rao, Director, Former Director & O.S. of DLRL Ministry of Defence, Dr. B. Prasada Rao, I.P.S.(Retd.), Director of Training & Placements, Industry Interface, Former Principal Secretary to Govt. of AP, DGP of ACB, Commissioner of Police, Hyderabad, Former Director, RCI, Dr. R. Sreehari Rao, Professor of ECE, Former Director of DLRL and Vice Chancellor & Chancellor of K. L. University, Dr. S. K. Chaudhuri, Distinguished Professor & Director R&D, SCIENTIST 'H' (Retd.) &, Dr. M. Lakshmi Narayana, Adjunct Professor of ECE, SCIENTIST 'H' (Retd.) & Former Chairman IEEE and Dr. V. Ram Babu, Principal for having provided all the facilities and support.

We would like to thank *Dr. R.Madana Mohana, Professor, Head of The department; V. Sudheshna, Assistant Professor,Academic i/c; N.Aruna Jyothi ,Assistant Professor,Admin i/c*, Computer Science and Engineering for their expert guidance and encouragement at various levels of our Project.

We are thankful to the *guide Mubeena Begum, Associate Professor*, Computer Science and Engineering for his sustained inspiring Guidance and cooperation throughout the process of this project. His wise counsel and suggestions were invaluable.

We are thankful to *V.Satyanarayana*, Associate Professor, Project Coordinator, Computer Science and Engineering for his support and cooperation throughout the process of this project /seminar.

We express our deep sense of gratitude and thanks to all the Teaching and Non-Teaching Staff of our college who stood with us during the project and helped us to make it a successful venture.

We place highest regards to our Parents, our Friends and Well wishers who helped a lot in making the report of this project.

Fig: 5.2.1.2 Nitrogen test case result on LCD screen

INDUSTRIAL GAS CYLINDERS MANGEMENT SYSTEM

An Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

By

P. GOUTHAMI	**(15E11A05G9)**
K. NAVYA	**(15E11A05I0)**
G. SWETHA	**(15E11A05D3)**
C. ASHWINI REDDY	**(15E11A05C6)**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
Ibrahimpatnam - 501 510, Hyderabad

2018 – 2019

CERTIFICATE

This is to certify that **Ms. P. GOUTHAMI, Ms. K. NAVYA, Ms. G. SWETHA & Ms. C. ASHWINI REDDY** of FINAL year **B.Tech (CSE)** from **BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY** carried out the project work entitled **INDUSTRIAL GAS CYLINDERS MANAGEMENT SYSTEM (IGCMS)** in Directorate Of Material Resources (DOMR), **Defence Research and Development Laboratory (DRDL), HYDERABAD** under my guidance, during the period February - 2019 to March – 2019 in partiaol fulfillment of course. It is also certified that this report carries a bonafied account of the project work undertaken.

This project has been developed in **Java Server Pages, HTML and Java Script with bakend database as oracle 9i.** During this period of their project work they were punctual and their conduct was found to be impressive.

Date: 25/04/19
Place: D.R.D.L, Hyd

Mr. L. SRINIVASA RAO,
Scientist 'E',
DOMR/MHS,
DRDL

L. SRINIVASA RAO
वैज्ञानिक 'ई' / Scientist 'E'
आईएमसी / Head, IMC
कृते निदेशक, डीआरडीएल, हैदराबाद.
For Director, DRDL, Hyderabad.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpatnam - 501 510, Hyderabad

Certificate

This is to certify that an Project Work entitled "INDUSTRIAL GAS CYLINDERS MANGEMENT SYSTEM" is the bonafide work done

P. GOUTHAMI	**(15E11A05G9)**
K. NAVYA	**(15E11A05I0)**
G. SWETHA	**(15E11A05D3)**
C. ASHWINI REDDY	**(15E11A05C6)**

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HEAD
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Viva-Voce held on 5/3/19

Internal Examiner

External Examiner

ABSTRACT

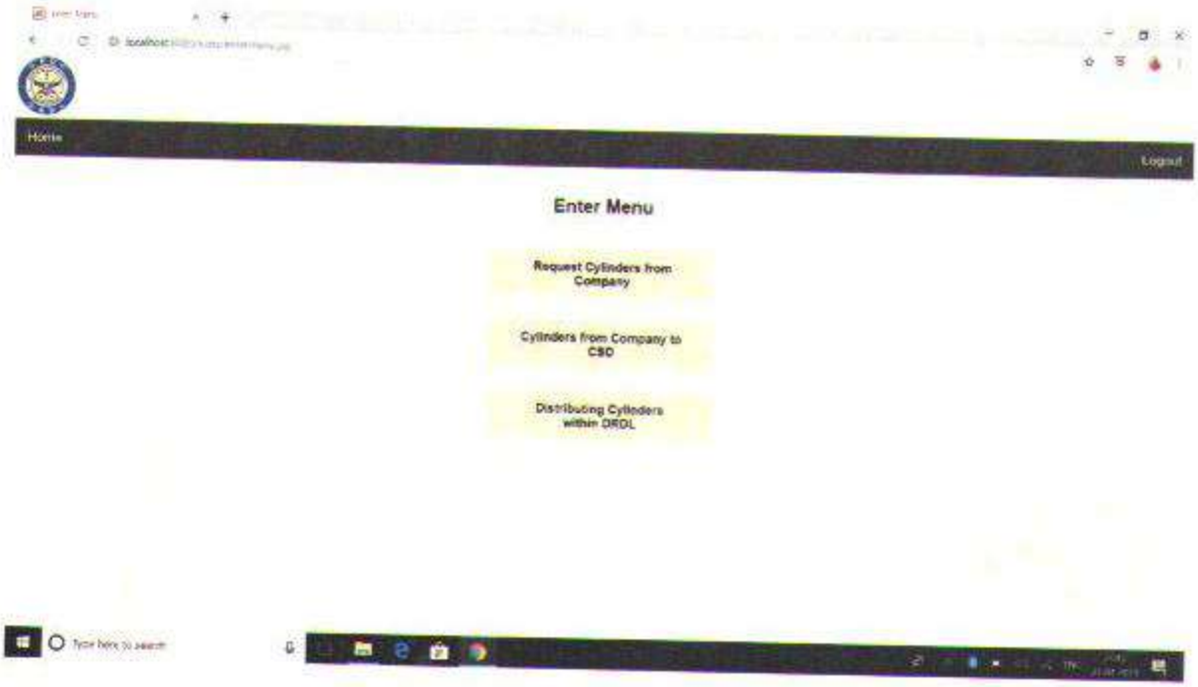
This project is about "**Industrial Gas Cylinders Management System**". The objective of this project is to develop software to make record of various types of gas cylinders that are being sent and brought from the companies and also to keep an account of the cylinders that are being distributed within various divisions of DRDL.

The requirements of the user is to have a complete software system for recording the details of various types of gas cylinders being supplied & distributed and information & reporting regarding how many cylinders are with company , details of full and empty cylinders with the users and are how many are distributed to other inventory holders and also department wise report.

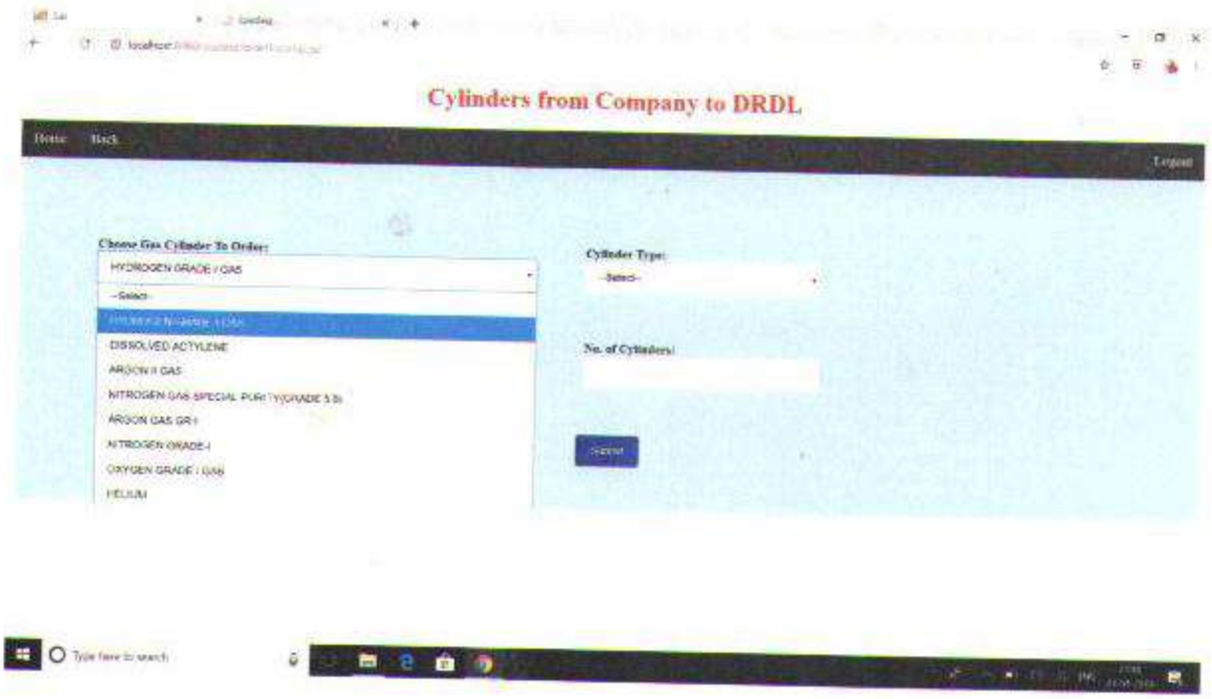
The front end designing will done using HTML 5, JAVA SCRIPT and server side programming is done using SERVLETS and JAVA SERVER PAGES (JSP). Web server to be used is APACHE TOMCAT under WINDOWS OS with backend database as ORACLE.

This project work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of this project is based on application and its standards. This project work mapping with the program Outcomes (Pos): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 AND Program Specific Outcomes(PSOs):PSO1, PSO2 & PSO3.

3. Enter menu page:



4. Cylinder from company to DRDL:



TOWARDS SHARED OWNERSHIP IN THE CLOUD

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

By

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A.Srikanth	**(15E11A05C1)**
C.Suresh	**(15E11A05H6)**
G.Shashank Reddy	**(15E11A05D1)**

Under the guidance of

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Assistant Professor

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2018 - 2019

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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(Affiliated to JNTUH Hyderabad, Approved by AICTE and Accredited by NBA)

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Certificate

This is to certify that the project work entitled "Towards Shared Ownership In The Cloud" is the bonafide work done

By

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A.Srikanth	**(15E11A05C1)**
C.Suresh	**(15E11A05H6)**
G.Shashank Reddy	**(15E11A05D1)**

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Viva-Voce held On 3/5/19

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ABSTRACT

Cloud storage platforms promise a convenient way for users to share files and engage in collaborations, yet they require all files to have a single owner who unilaterally makes access control decisions. Existing clouds are, thus, agnostic to the notion of shared ownership. This can be a significant limitation in many collaborations because, for example, one owner can delete files and revoke access without consulting the other collaborators. We first formally define a notion of shared ownership within a file access control model. We then propose two possible instantiations of our proposed shared ownership model. Our first solution, called Commune, relies on secure file dispersal and collusion resistant secret sharing to ensure that all access grants in the cloud require the support of an agreed threshold of owners. As such, Commune can be used in existing clouds without modifications to the platforms. Our second solution, dubbed Comrade, leverages the blockchain technology in order to reach consensus on access control decision. Unlike Commune, Comrade requires that the cloud is able to translate access control decisions that reach consensus in the blockchain into storage access control rules, thus requiring minor modifications to existing clouds.

This project work quality is measured in terms of consideration to factors including but not limited to environment safety, ethics, cost and type of this project is based on application and its standards. This project work mapping with the program outcomes(POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, PSO2 & PSO3.

5. Uploaded Files by Tenant1 in cloud

Fig 6.5 Uploaded Files

6. Downloaded Files History

Fig 6.6 Downloaded Files

SECURE DATA SHARING IN CLOUD COMPUTING USING TIME AND ATTRIBUTES

An Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

By

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S.PRASANTHI	**(15E11A05H2)**
K.PRANAVI	**(15E11A05E2)**
M.SANDHYA	**(15E11A05F5)**

Under the guidance of

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Associate Professor

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2018 – 2019

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ibrahimpatnam - 501 510, Hyderabad

Certificate

*This is to certify that an Project Work entitled "**SECURE DATA SHARING IN CLOUD COMPUTING USING TIME AND ATTRIBUTES**" is the bonafide work done*

N.MOUNIKA	**(15E11A05G0)**
S.PRASANTHI	**(15E11A05H2)**
K.PRANAVI	**(15E11A05E2)**
M.SANDHYA	**(15E11A05F5)**

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Viva-Voce held on 3/5/19

Internal Examiner

External Examiner

ABSTRACT

Cloud computing has become increasingly popular among users and businesses around the world. Although cryptographic techniques can provide data protection for users in public cloud , several issues also remain problematic, such as secure data group dissemination and fine-grained access control of time-sensitive data. In this we propose an identity based data group sharing and dissemination scheme in public cloud, in which data owner could broadcast encrypted data to a group of receivers at one time by specifying these receivers' identities in a convenient and secure way. In order to achieve secure and flexible data group dissemination, we adopt attribute-based and timed-release conditional proxy re-encryption to guarantee that only data disseminators whose attributes satisfy the access policy of encrypted data can disseminate it to other groups after the releasing time by delegating a re-encryption key to cloud server. The re-encryption conditions are associated with attributes and releasing time, which allows data owner to enforce fine-grained and timed-release aceess control over disseminated ciphertexts. The theoretical analysis and experimental results show our proposed scheme makes a tradeoff between computational overhead and expressive dissemination conditions.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

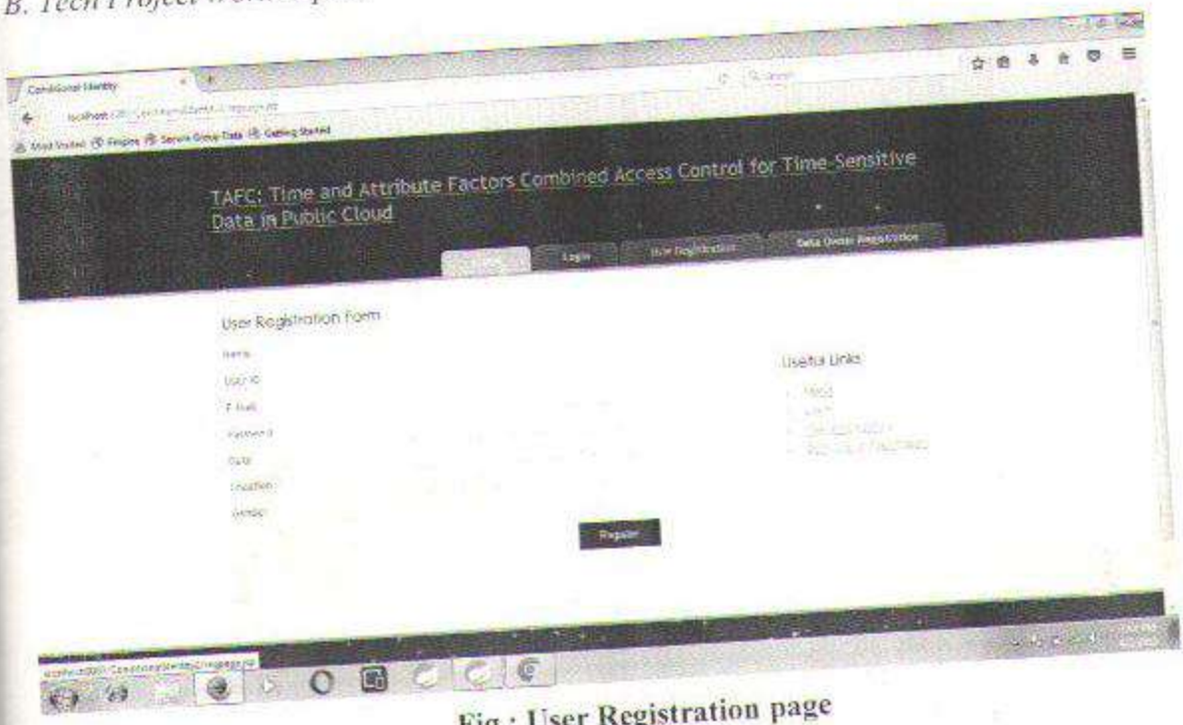

Fig : User Registration page

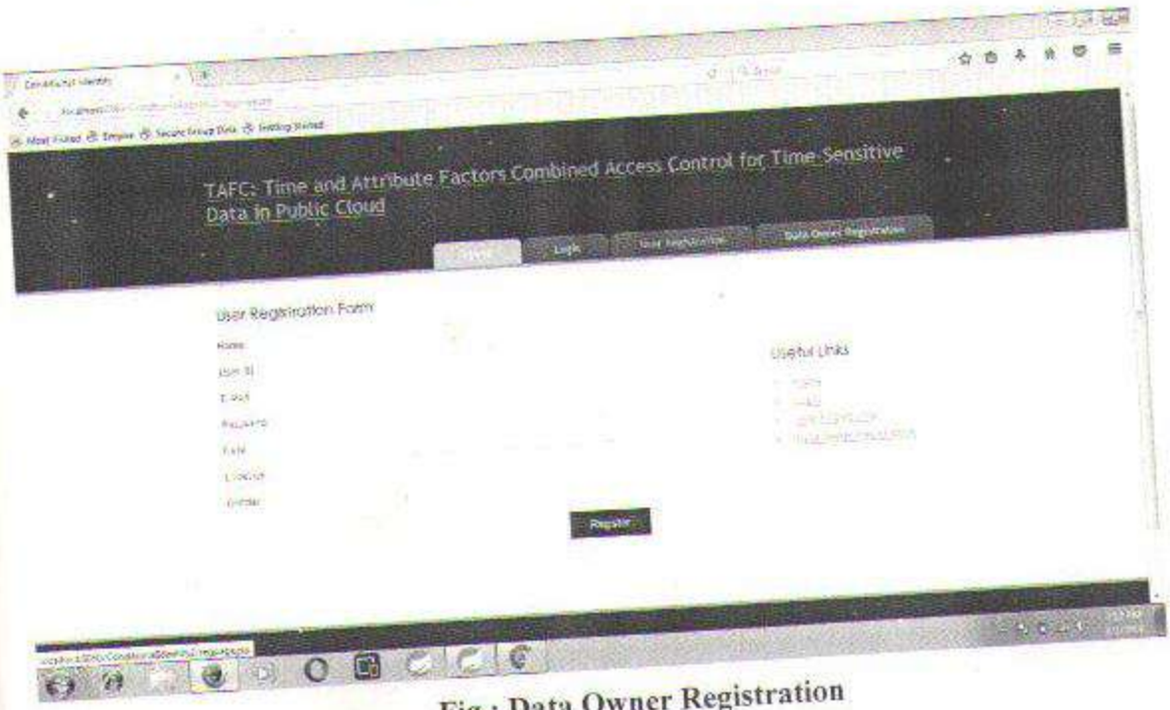

Fig : Data Owner Registration

AUTOMATED SYSTEM FOR MATERIAL RETURN FROM CUSTOMER

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING
BY

VADLA SREETEJA	**(15E11A05H9)**
KOSHIKA SRIKANTH	**(15E11A05E7)**
REVANTH RAJA BANDARI	**(15E11A05C2)**
BOLLA MALLA DON VARDHAN	**(15E11A05C5)**

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2018-2019

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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(Affiliated to JNTUH Hyderabad, Approved by AICTE & Accredited by NAAC)

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Certificate

*This is to certify that the project work entitled "***AUTOMATED SYSTEM FOR MATERIAL RETURN FROM CUSTOMER***"isthe bonafide work done*

By

VADLA SREETEJA	**(15E11A05H9)**
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Viva-Voce held on.....

ExternalExaminer

InternalExaminer

ABSTRACT

Several E-Commerce Platforms came with the consistent Technological growth like Salesforce, Amazon and Google. Drawbacks which deal with the Product Return Policy are a few Customers faced problems because of either a faulty or a fake or an incorrect product being delivered and majority of the Return Policies of the Companies take days to take action on that particular return request of the Customer.

Our Plan of action will provide an Interaction Model based on the Client Server Model so that a communication medium is established between the Company, its Customers and the Supply Vendors. Two modules namely a Mobile Application at Client side and a Web Application at the Server Side are developed for communication. A one-time access link is sent to the Customer when the Delivery Agent reaches the Customer's Address and then a link is generated to redirect to a Webpage which requests for a Photo of the Delivered product and this Photo is automatically forwarded to the Server/Company, who will determine whether the Product can be returned or not and this results an instant Customer Friendly Support System for their queries.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 &POS3.

7.4 Result Analysis:

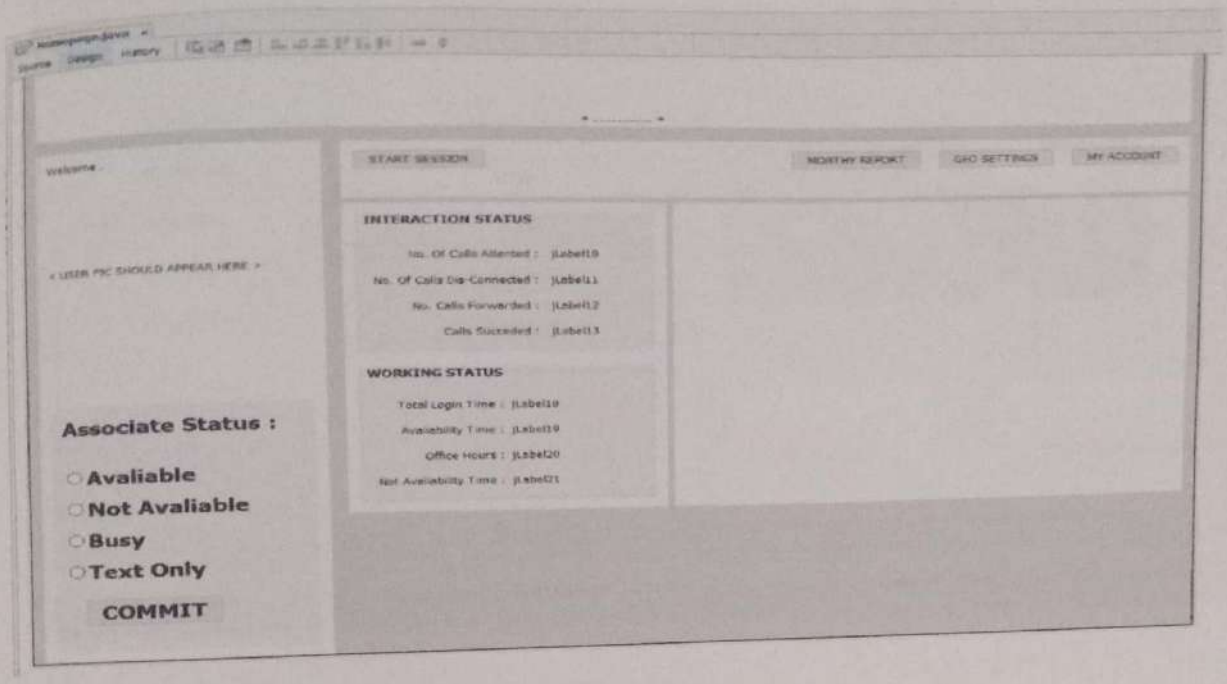

Fig 7.3: Homepage

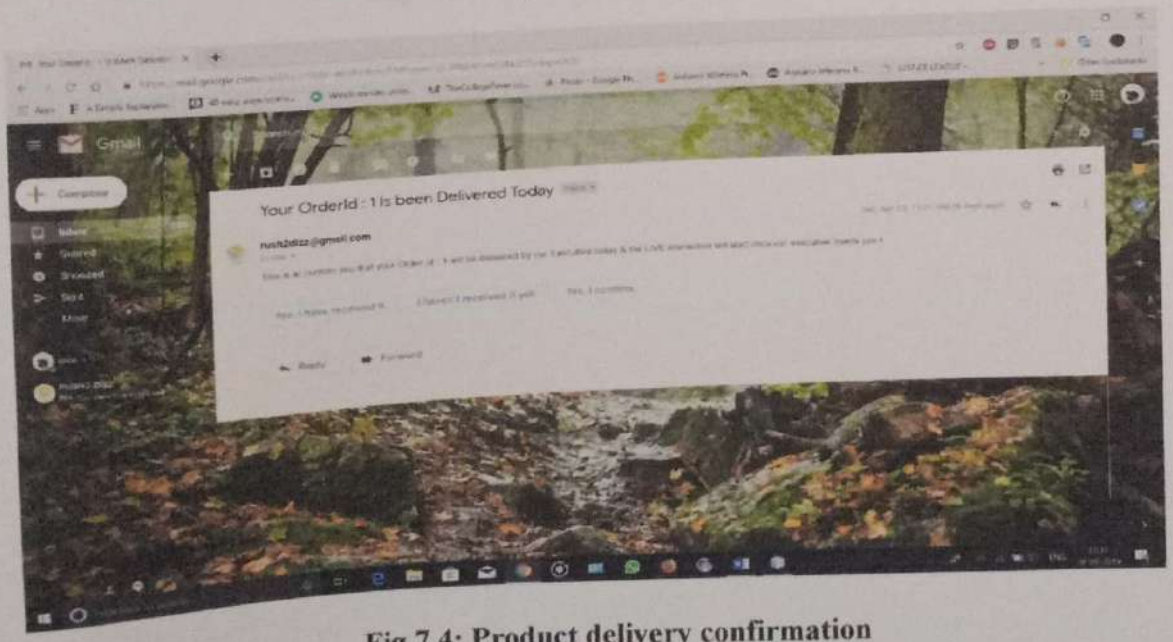

Fig 7.4: Product delivery confirmation

INTELLIGENT MEDICINE BOX FOR MEDICATION MANAGEMENT USING IOT

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING
BY

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K.M.R.Chandra	**(15E11A05E0)**

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Viva-Voce held on 2/5/19

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External Examiner

ACKNOWLEDGEMENT

The satisfaction that accompanies the successful completion of the task would be put incomplete without the mention of the people who made it possible, whose constant guidance and encouragement crown all the efforts with success.

We avail this opportunity to express our deep sense of gratitude and hearty thanks to Sri CH. Venugopal Reddy, Secretary & Correspondent of BIET, for providing congenial atmosphere and encouragement.

We would like to thank Prof. G. Kumaraswamy Rao, Director, Former Director & O.S. of DLRL Ministry of Defence, Dr. B. Prasada Rao, I.P.S.(Retd.), Director of Training & Placements, Industry Interface, Former Principal Secretary to Govt. of AP, DGP of ACB, Commissioner of Police, Hyderabad, Former Director, RCI, Dr. R. Sreehari Rao, Professor of ECE, Former Director of DLRL and Vice Chancellor & Chancellor of K. L. University, Dr. S. K. Chaudhuri, Distinguished Professor & Director R&D, SCIENTIST 'H' (Retd.) &, Dr. M. Lakshmi Narayana, Adjunct Professor of ECE, SCIENTIST 'H' (Retd.) & Former Chairman IEEE and Dr. V. Ram Babu, Principal for having provided all the facilities and support.

We would like to thank *Dr. R.Madana Mohana, Professor, Head of The department; V. Sudheshna, Assistant Professor,Academic i/c; N.Aruna Jyothi ,Assistant Professor,Admin i/c,* Computer Science and Engineering for their expert guidance and encouragement at various levels of our Project.

We are thankful to the *guide G.Kalyani, Assistant Professor,* Computer Science and Engineering for his sustained inspiring Guidance and cooperation throughout the process of this project. His wise counsel and suggestions were invaluable.

We are thankful to *V.Satyanarayana,* Associate Professor, Project Coordinator, Computer Science and Engineering for his support and cooperation throughout the process of this project /seminar.

We express our deep sense of gratitude and thanks to all the Teaching and Non-Teaching Staff of our college who stood with us during the project and helped us to make it a successful venture.

We place highest regards to our Parents, our Friends and Well wishers who helped a lot in making the report of this project.

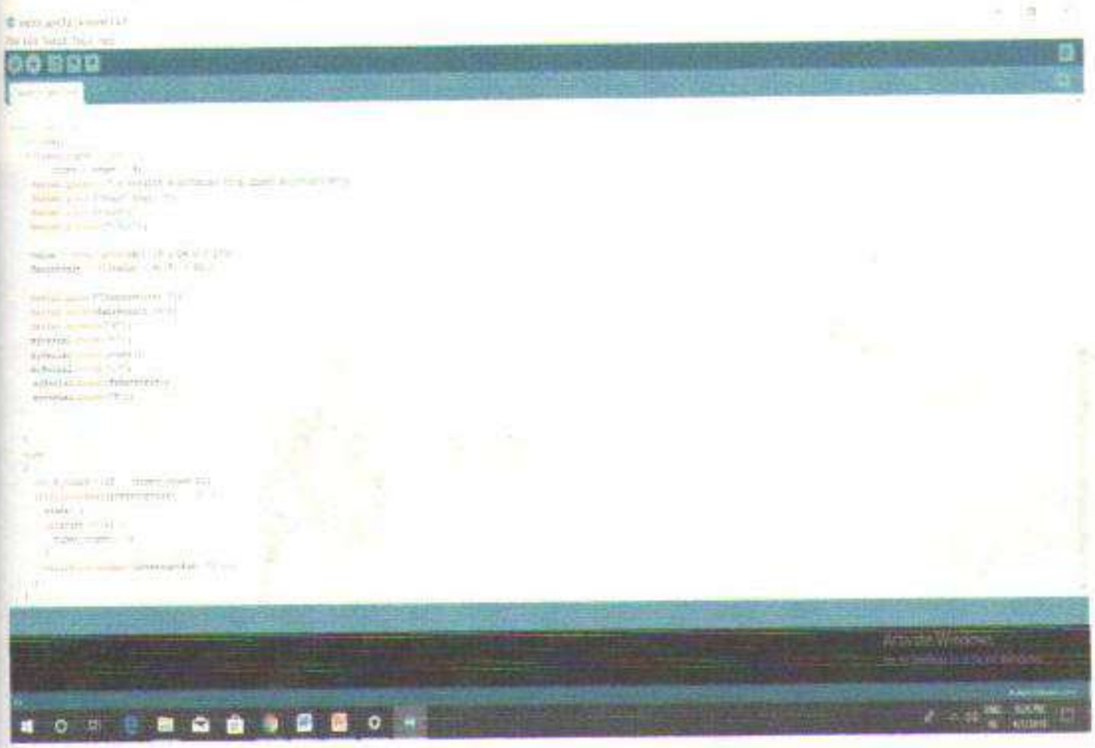

Fig 7.2.2: The screenshot contains the arduino code compiled

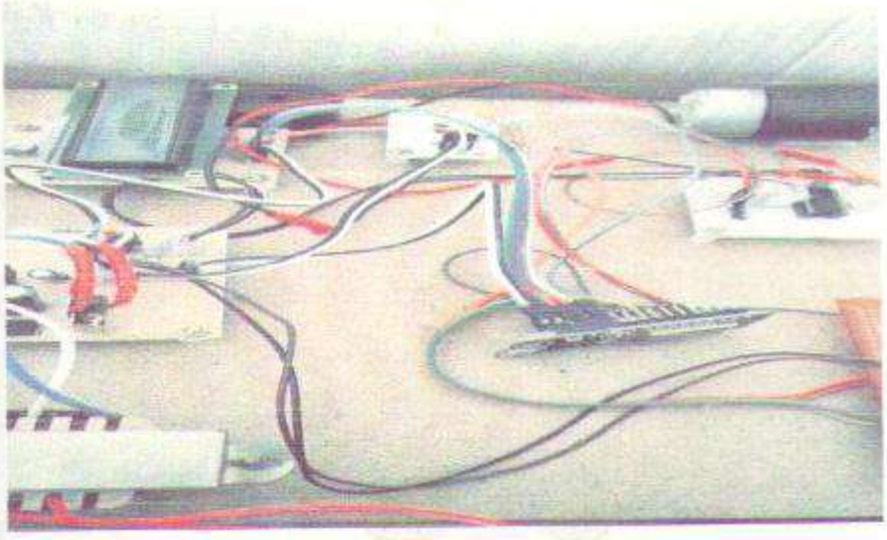

Fig 7.2.3: The screenshot contains the hardware components

IOT Based LED Notice Board

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

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S.Sudheer Reddy	**15E11A05H4**

Under the guidance of

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2018 – 2019

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Affiliated to JNTUH Hyderabad, Approved by AICTE)
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Viva-Voce (For Seminar Evaluation) held on 3/5/19

Internal Examiner (For Seminar Supervisor)

External Examiner (For Seminar HOD)

ABSTRACT

The AIM of this project is to control all LED advertising, Highway led displays and Traffic rules display boards sitting at one place. The noticeboard is a primary thing in any institution or organization to disperse information among the stakeholders. In the busy and fast moving world today, conventional sticking paper notice system is time-consuming and not suitable for quick sharing of information. In this project. All LED display boards are linked with server using WIFI. We can update or control the data from server that needs to be display on respective boards. At present we have the display boards which are fixed messages where we cannot update the display data, but our system will overcome this problem which will be flexible to the user.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, type (application, product, research, review etc.) and standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

The test cases are first verified whether they are rightfully belonging to this Application or not and then our Application is made to work on all the possible test cases and then depending the outputs our Application has delivered we have made the Result Analysis and have submitted this innovative Application system to handle LED notice boards.

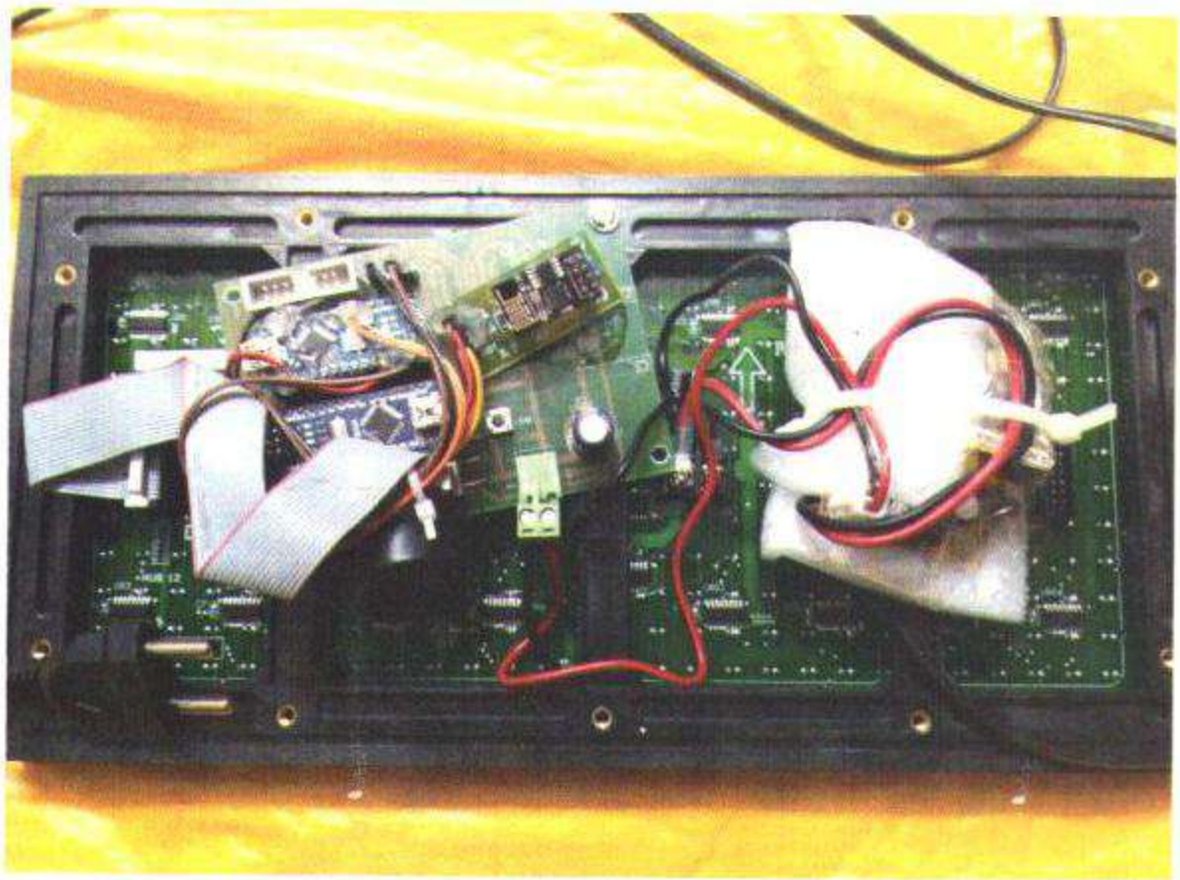

Fig.7.3.1 Test Case t1,t2,t3

AUTOMATED TOLL TAX COLLECTION SYSTEM USING CLOUD DATABASE

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY
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C.Bharath	**15E11A05C9**
P.Tirumal Goud	**15E11A05G8**

Under the guidance of

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ASSISTANT PROFESSOR

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Ibrahimpatnam - 501 510, Hyderabad

2018-2019

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Affiliated to JNTUH Hyderabad, Approved by AICTE & Accredited by NAAC)

Ibrahimpatnam - 501 510, Hyderabad

Certificate

*This is to certify that the project work entitled "**AUTOMATED TOLL TAX COLLECTION SYSTEM USING CLOUD DATABASE** " is the bonafide work done*

By

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Viva-Voce held on.....

Internal Examiner

External Examiner

ABSTRACT

ATCS is an Automated Toll Collection System used for collecting tax automatically. In this we do the identification with the help of radio frequency. A vehicle will hold an RFID tag. This tag is nothing but unique identification number assigned. This will be assigned by RTO or traffic governing authority. In accordance with this number we will store, all basic information as well as the amount he has paid in advance for the TOLL collection. This work would reduce the manual work and hence would make the passing of the vehicles much faster as compared to traditional toll system.Every vehicle is tagged with a RFID tag, which has vehicle's registration number in it, which can be sensed by RFID reader present at tollbooth.RFID reader will send this information to IoT controller (Arduino). Sensed registration number can looked in to cloud database for getting wallet balance and if sufficient balance is there, and then toll charges can be deducted automatically. While rider can enjoy pause free ride and will be intimated about his trip deduction charges. For interaction of client a mobile app will also be designed with which client can track all logs of payments and can add money in wallet using the app. The sole purpose of this paper is to reduce the hardships caused by manual toll collection system and it assures time saving, fuel conservation andcontributing in saving of money by making process automatic.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

3 RESULT ANALYSIS

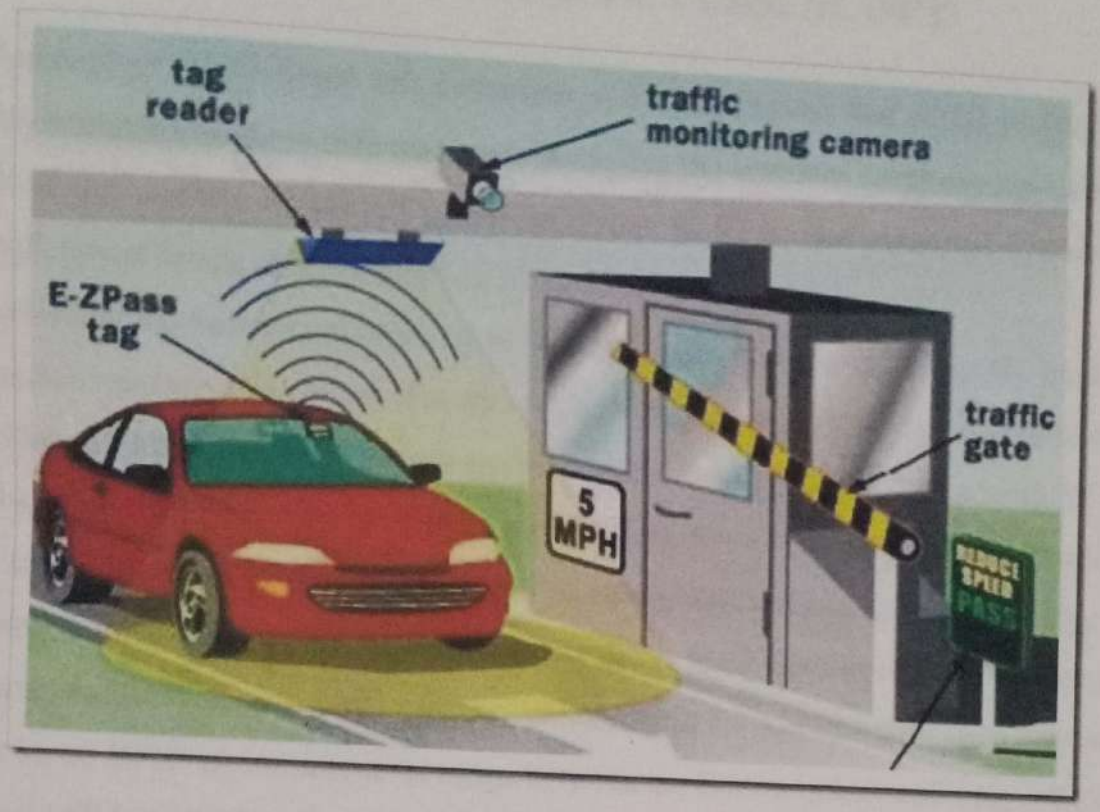

Figure 7.3 Result Analysis

1 RFID based toll deduction system a vehicle arrive in toll plaza range antenna send signals to ıg and activate the tag, tag send back information to antenna. As data receive to antenna [9] it ends to central server database. Server checks information of account consumer/driver, if ccount have credit more then required tax then tax is subtract from account and driver will pass ıe toll plaza. A transaction message also sends to consumer/driver that how much tax is paid and emaining balance of account. Passing of vehicle and transaction of tax is completed within hort time. The central server stores all information of transaction, which contain location of toll laza, date, time and total amount payment of tax. If the credit of account is low then system enerateindication for low balance. The speed limit for passing from toll plaza is not constant on very toll plaza because some companies are set speed limit 86 kilometers per hour (5 mph) and ome companies set speed limit to 48 kilometers per hour or low 8 kilometers per hour. Video ameras are installed on the toll plaza for the observation that any consumer can not pass vithout having tag in vehicle. Any consumer/driver pass from toll plaza then camera capture icture of number plate and send abuse notice to the owner of vehicle through the email.

ITEM RECOMMENDATION AND FREQUENT ITEMSET MINING WITH DIFFERENTIAL PRIVACY OVER LARGE-SCALE DATA.

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
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BACHELOR OF TECHNOLOGY
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R. SRIVANI	**(15E11A05M1)**
R. MADHULIKA	**(15E11A05L9)**
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By

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T. SHIVANI	**(15E11A05M7)**
R. SRIVANI	**(15E11A05M1)**
R. MADHULIKA	**(15E11A05L9)**
R. JEEVANTHIKA	**(15E11A05M2)**

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ABSTRACT

Frequent itemset is an itemset whose support is greater than some user-specified minimum support. Frequent itemset mining refers to mining the itemset that are frequently brought together. By adding proper chosen quantity of noise, differential privacy assures that the output of a estimation is insensitive to changes in any people record, and so limiting privacy leaks through the results. Frequent itemset mining with differential privacy leads to problem of mining frequent itemset that are above a given threshold with the constraint that mined results should not break privacy of any single transaction. Traditional methods cannot balance efficiency, privacy and data utility over large-scale data. In this, a differential private frequent itemset mining algorithm over large scale data is proposed that has better performance due to the new sampling and better truncation techniques. This system allows users to consume items and share their opinions, which influences in not only oneself but other users to choose new items. The recommendation system reduces the problem of the choice by recommending the items considering the behaviour of the people and the characteristics of the items.

Current solutions for this downside cannot well balance potency, privacy and information utility over massive scaled information. Toward this finish, we propose an efficient, differential private frequent item sets mining algorithm over large scale data. Based on the ideas of sampling and transaction truncation using length constraints, our algorithm reduces the computation intensity, reduces mining sensitivity, and thus improves data utility given a fixed privacy budget. Experimental results show that our rule achieves higher performance than previous approaches on multiple datasets.

This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

Keywords: Frequent Itemset Mining, Differential privacy.

7.4 RESULTS

Home Page:

This is the home page of our project that consists of Admin, User and analyst modules.

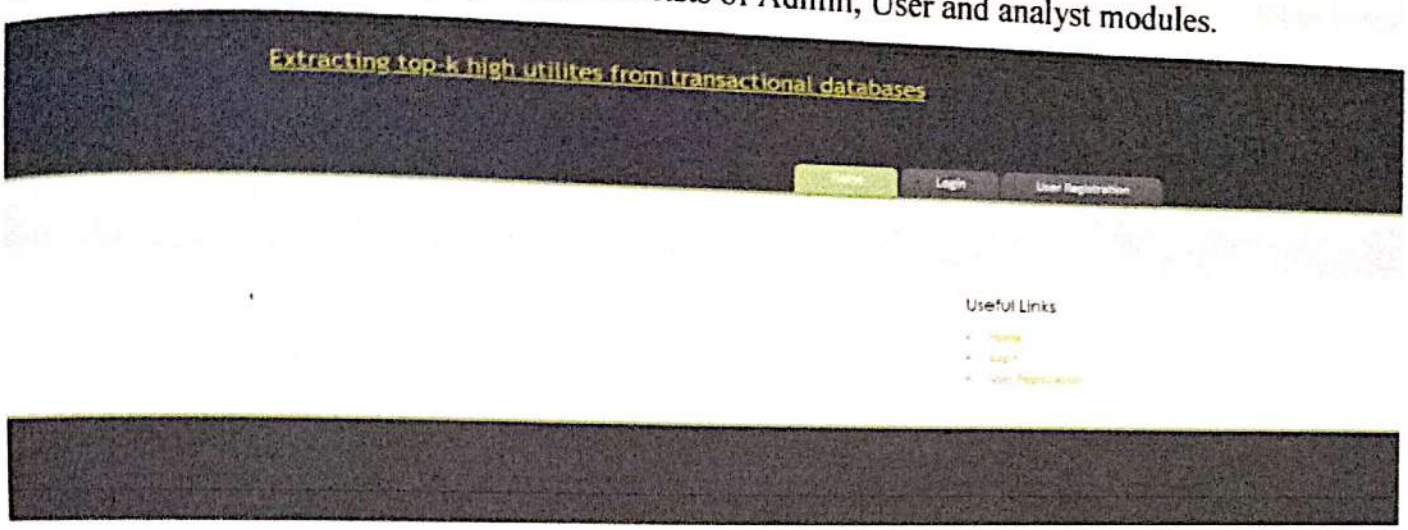

Fig :7.4.1 Home Page

Registration Page:

If your are new user you need to register all your details in user registration form. The registration page looks like below given figure:

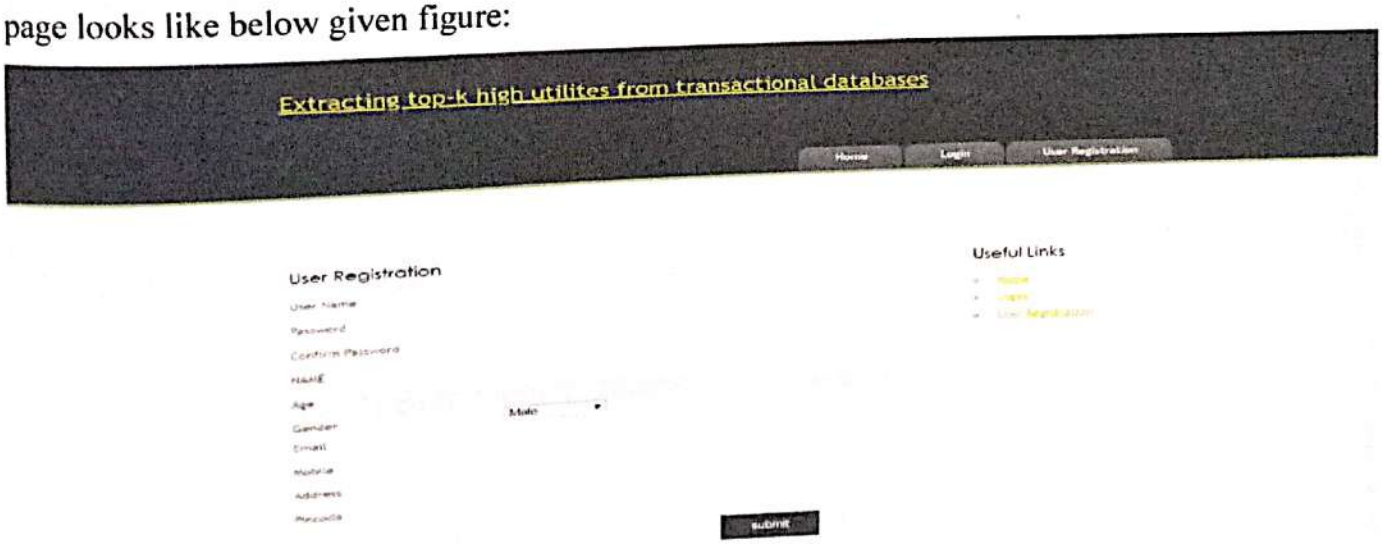

Fig: 7.4.2 Registration Page

CREDIT CARD FRAUD DETECTION USING MACHINE LEARNING TECHNIQUES

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY
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PAVAN REDDY PAGILLA	**15E11A05L1**
MANEESH POLISHETTY	**15E11A05L0**
RAVI KIRAN Y	**15E11A05N4**
SAILESH KUMAR PERUMALLA	**15E11A05L6**

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Ibrahimpatnam - 501 510, Hyderabad

Certificate

This is to certify that the project work entitled "CREDIT CARD FRAUD DETECTION USING MACHINE LEARNING TECHNIQUES" is the bonafide work done

By

SHANKAR RAO RAMAGIRI	**15E11A05M0**
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MANEESH POLISHETTY	**15E11A05L0**
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ABSTRACT

Credit card fraud is a serious problem in financial services. Billions of dollars are lost due to credit card fraud every year. There is a lack of research studies on analyzing real-world credit card data owing to confidentiality issues. In this paper, machine learning algorithms will be used to detect credit card fraud. Standard models are firstly used. Then, hybrid methods which use AdaBoost and majority voting methods will be applied. To evaluate the model efficacy, a publicly available credit card data set will be used. Then, a real-world credit card data set from a financial institution is analyzed. In addition, noise is added to the data samples to further assess the robustness of the algorithms. The experimental results positively indicate that the majority voting method achieves good accuracy rates in detecting fraud cases in credit cards

SCREENSHOTS:

Fig:1 view and authorize ecommerce

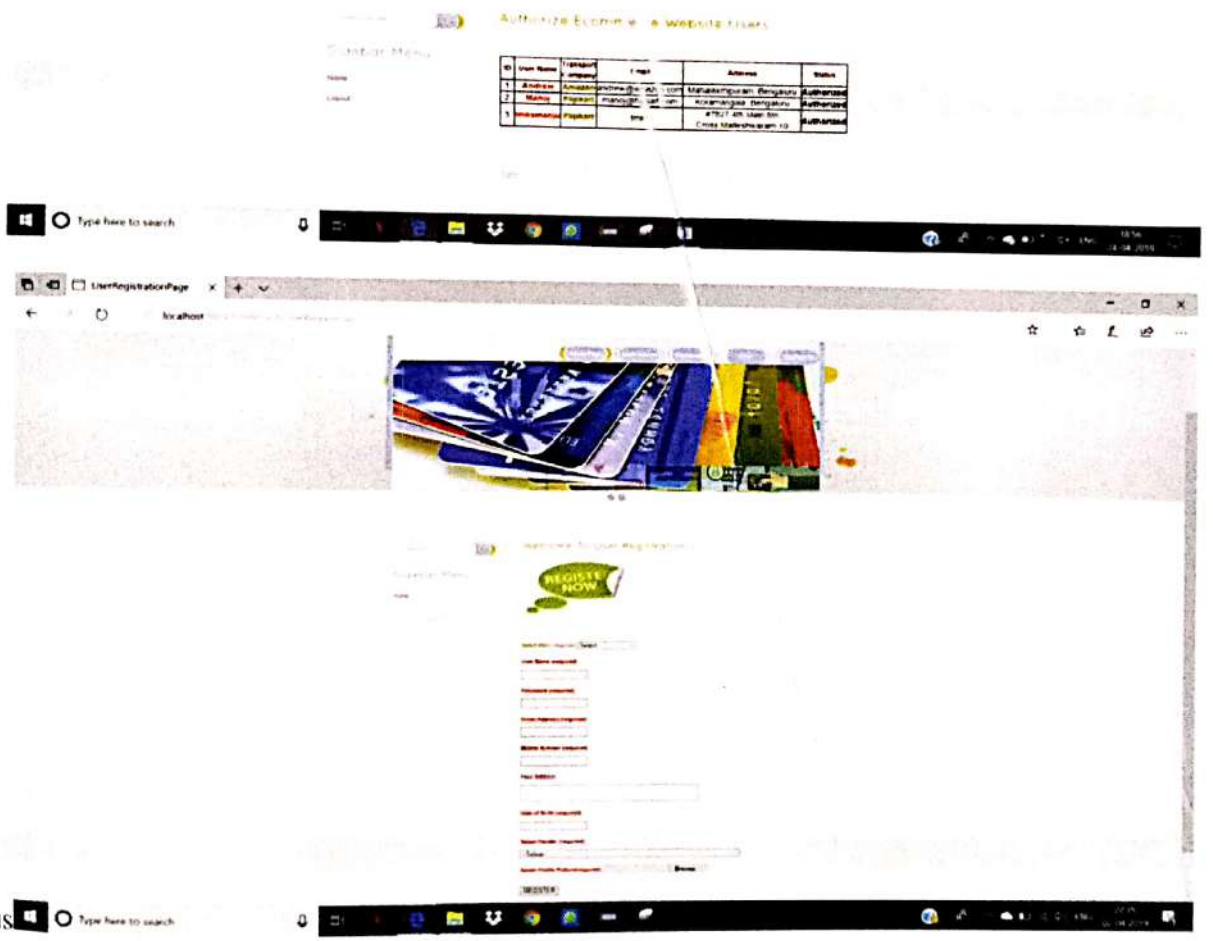

Fig:2 User registration page

ALLIED AND ON DEMAND SECURITY FOR PERSONAL HEALTH RECORDS IN CLOUD

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING
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ABSTRACT

Personal Health Records consists of the patient data often collected from various sources including hospitals and general practice centers. In modern healthcare environments, healthcare providers are more willing to shift their personal health record files to clouds. Instead of building and maintaining dedicated data centers. This paradigm enables to achieve lower operational cost and better interoperability with other healthcare providers. However, the adoption of cloud computing in healthcare systems may also raise many security challenges associated with authentication, access control, trust management, and so onto overcome the security challenges in this project, we propose attribute based encryption technique to encrypt each patient's PHR file before outsourcing. This scheme provides secure and flexible access to PHRs in cloud. The attribute based encryption scheme combines the encryption of PHRs from different patients. Therefore, both time consumption of encryption and decryption can be reduced. The proposed scheme can also support multi-privilege access control so that medical staff can access the required level of information while maximizing patient privacy. Through implementation and simulation, we demonstrate that the proposed scheme is efficient in terms of time. Moreover, we prove the security of the proposed scheme based on security of the cipher text-policy attribute-based encryption scheme.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

7.5 RESULT ANALYSIS:

- **Test case for cloud server:**

FIELDS	INPUT	RESULT
POSITIVE CASE	Valid username and password	Redirects to cloud main server
NEGATIVE CASE	Invalid username and password	Doesn't open the cloud main server

Table 1 test case analysis for cloud server

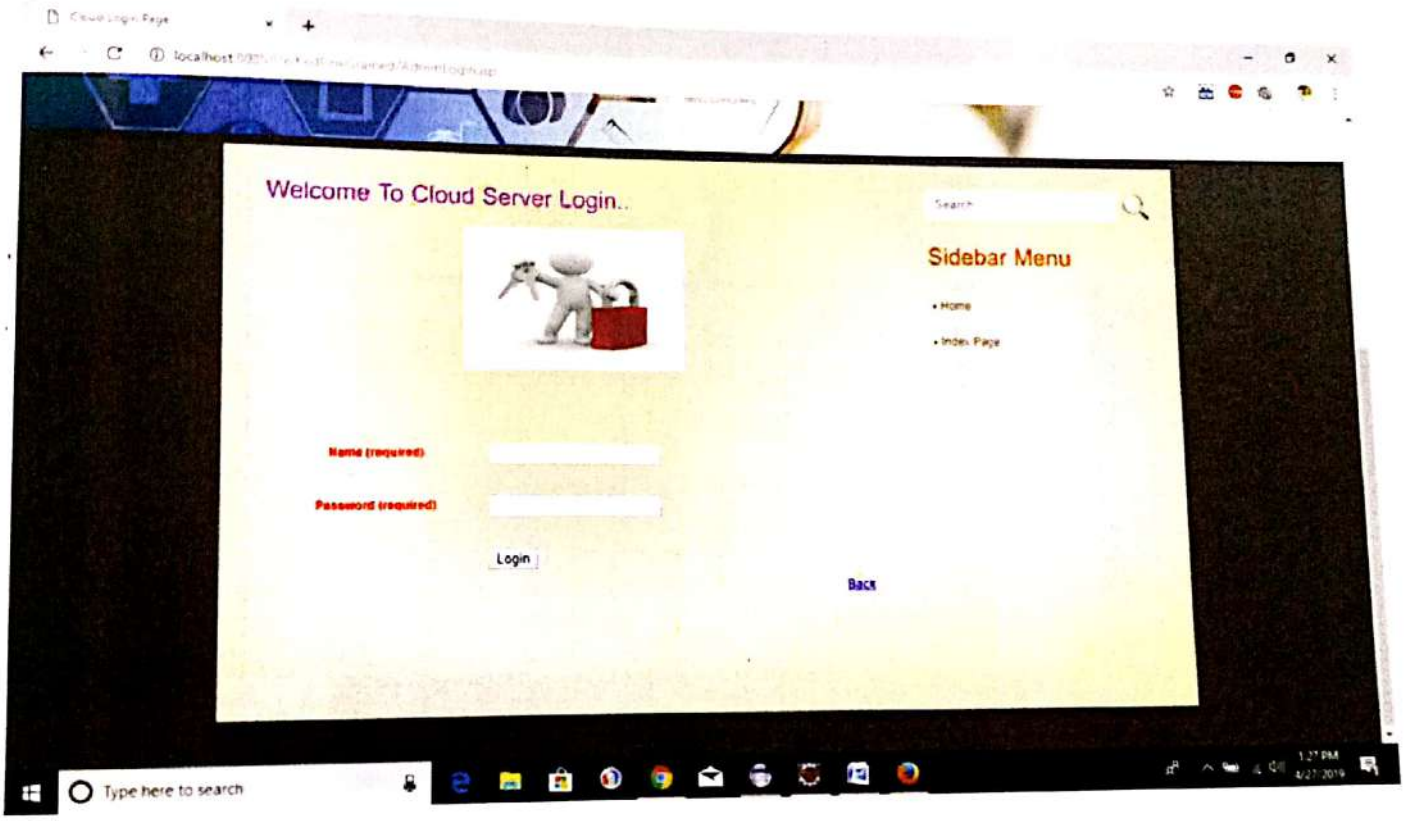

Figure 15 positive case for cloud server

HEALTH MONITORING IN SOCIAL MEDIA OVER TIME

A Project Report Submitted to

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In partial fulfillment of the requirements
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BACHELOR OF TECHNOLOGY
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InternalExaminer

ExternalExaminer

ABSTRACT

Social media has become a major source for analyzing all aspects of daily life. Thanks to dedicated latent topic analysis methods such as the Ailment Topic Aspect Model (ATAM), public health can now be observed on Twitter. In this work, we are interested in using social media to monitor people's health over time. The use of tweets has several benefits including instantaneous data availability at virtually no cost. Early monitoring of health data is complementary to post-factum studies and enables a range of applications such as measuring behavioral risk factors and triggering health campaigns. We formulate two problems: health transition detection and health transition prediction. We first propose the Temporal Ailment Topic Aspect Model (TM–ATAM), a new latent model dedicated to solving the first problem by capturing transitions that involve health-related topics. TM–ATAM is a non-obvious extension to ATAM that was designed to extract health-related topics. It learns health-related topic transitions by minimizing the prediction error on topic distributions between consecutive posts at different time and geographic granularities. To solve the second problem, we develop T–ATAM, a Temporal Ailment Topic Aspect Model where time is treated as a random variable natively inside ATAM. Our experiments on an 8-month corpus of tweets show that TM–ATAM outperforms TM–LDA in estimating health-related transitions from tweets for different geographic populations. We examine the ability of TM–ATAM to detect transitions due to climate conditions in different geographic regions. We then show how T–ATAM can be used to predict the most important transition and additionally compare T–ATAM with CDC (Center for Disease Control) data and Google Flu Trends.

HOME PAGE:

Fig.7.3.1

ANALYZING AND CLASSIFICATION OF MALICIOUS ACCOUNTS IN ONLINE SOCIAL NETWORKS

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfilment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
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This is to certify that the project work entitled **"ANALYZING AND CLASSIFICATION OF MALICIOUS ACCOUNTS IN ONLINE SOCIAL NETWORKS"** *is the bonafide work done.*

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Internal Examiner

External Examiner

ABSTRACT

Virtual currency in OSNs plays an increasingly important role in supporting various financial activities such as currency exchange, online shopping, and paid games. Users usually purchase virtual currency using real currency. This fact motivates attackers to instrument an army of accounts to collect virtual currency unethically or illegally with no or very low cost and then launder the collected virtual money for massive profit. Such attacks not only introduce significant financial loss of victim users, but also harm the viability of the ecosystem. It is therefore of central importance to detect malicious OSN accounts that engage in laundering virtual currency. To this end, we extensively study the behaviour of both malicious and benign accounts based on operation data collected from Tencent QQ, one of the largest OSNs in the world. Then, we devise multi-faceted features that characterize accounts from three aspects: account viability, transaction sequences, and spatial correlation among accounts. Finally, we propose a detection method by integrating these features using a statistical classifier, which can achieve a high detection rate of 94.2 percent at a very low false positive rate of 0.97 percent.

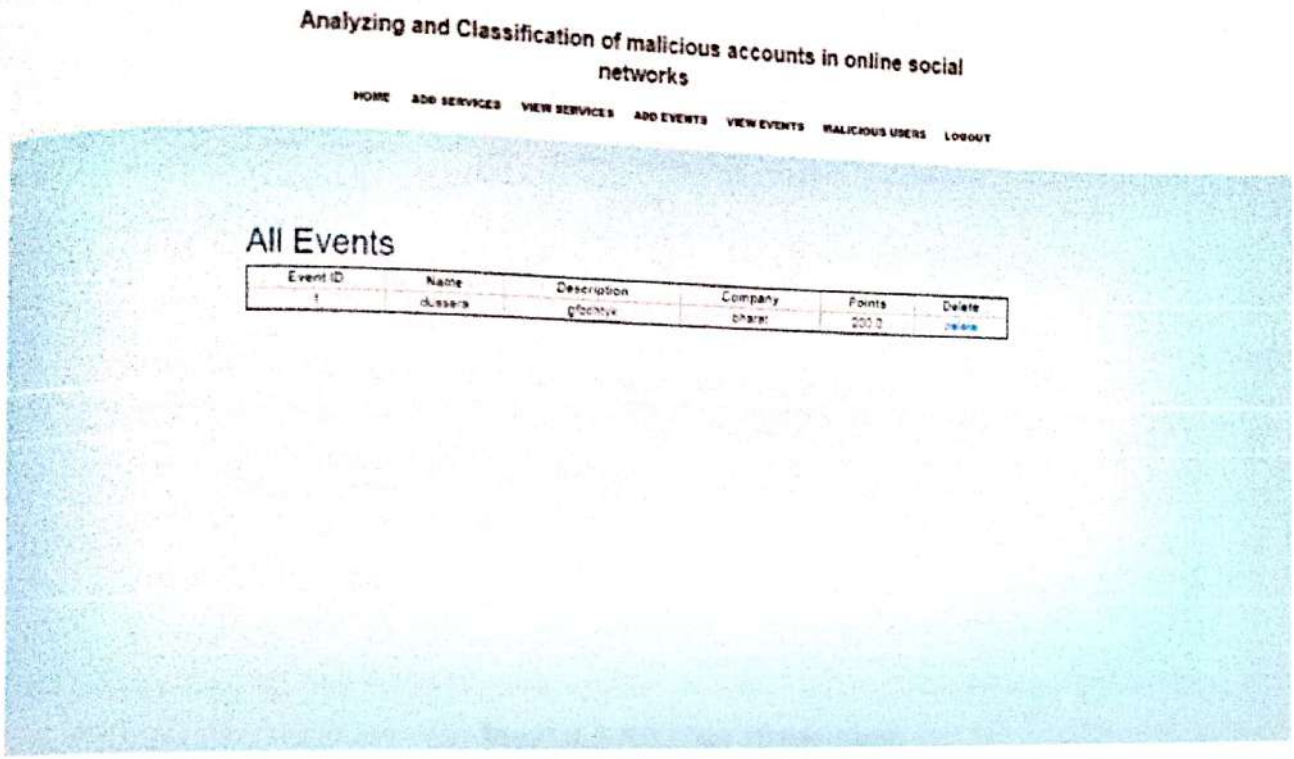

Fig:7.4.2(iii) Add All Events page

User Module

User Registration Page:

Here the User can register.

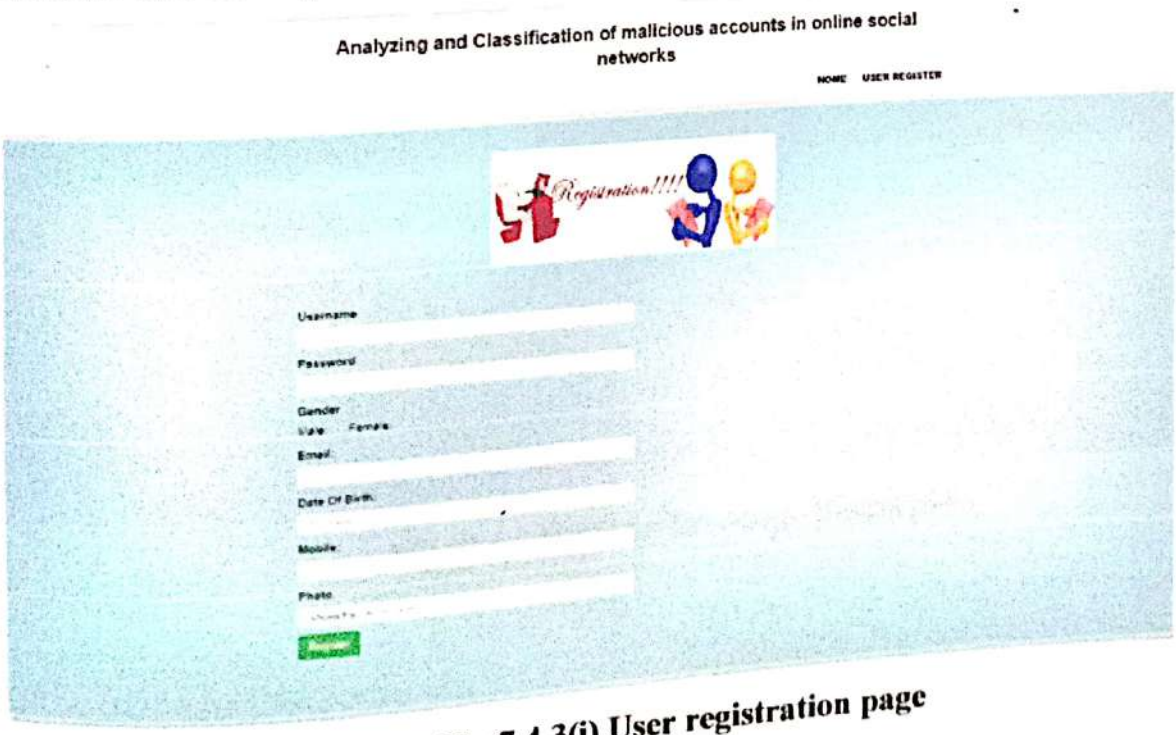

Fig:7.4.3(i) User registration page

DATA TRUTHFULNESS AND TAMPER PROOFING

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
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Viva-Voce held on.....

Internal Examiner

External Examiner

ABSTRACT

Online data markets are emerged to satisfy the needs of data consumers, where they collect the raw data from the contributors and provide the value-added service to the data consumers. All this process can be separated into two layers as Data Acquisition layer and Data Trading layer.

But the major problems in this system are as follows: -

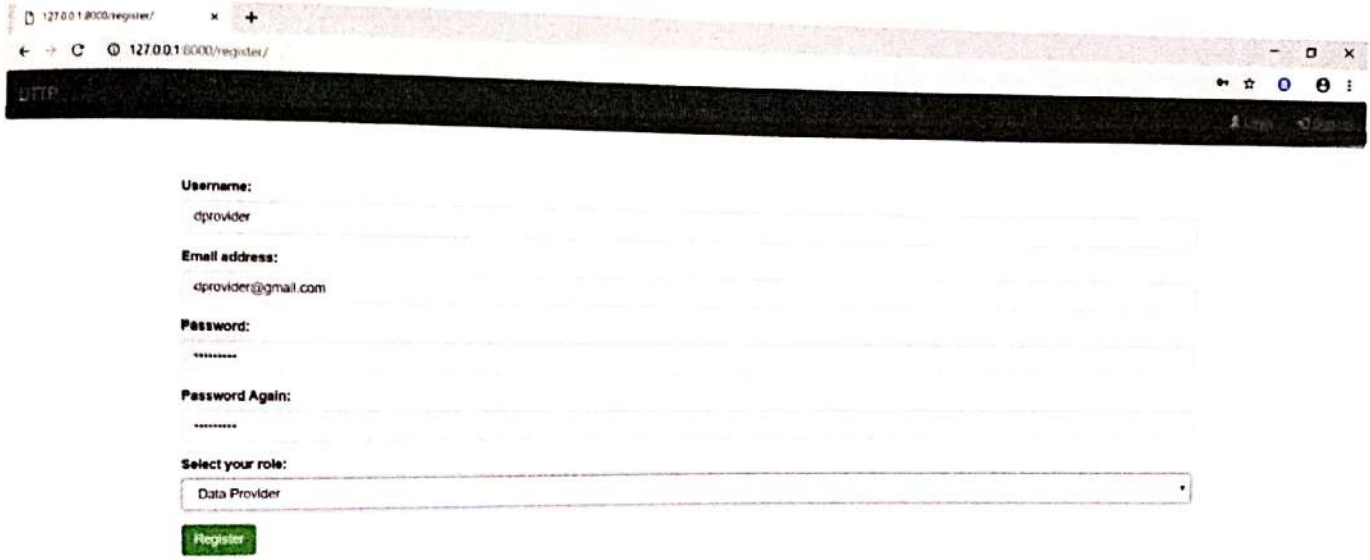
1. The first and the thorniest design challenge is that verifying the completeness and correctness of data collection and preserving the privacy cannot be achieved simultaneously.
2. The second challenge comes from data processing where privacy of data contributor, rich and insightful data service from service provider and data copy right for data consumer comes into play.
3. The third challenge is how to guarantee the truthfulness of data processing when the data is confidential.
4. The fourth challenge is efficiency requirements of data markets.

This project by jointly considering all the above four problems develops a system where completeness and correctness of the data can be achieved simultaneously along with privacy of personal data.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, type (application, product, research, review etc.) and standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

7.3 RESULT ANALYSIS

7.3.1 Registration page



Fraud Detection System With Anomaly Feature Detection For Monetary

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
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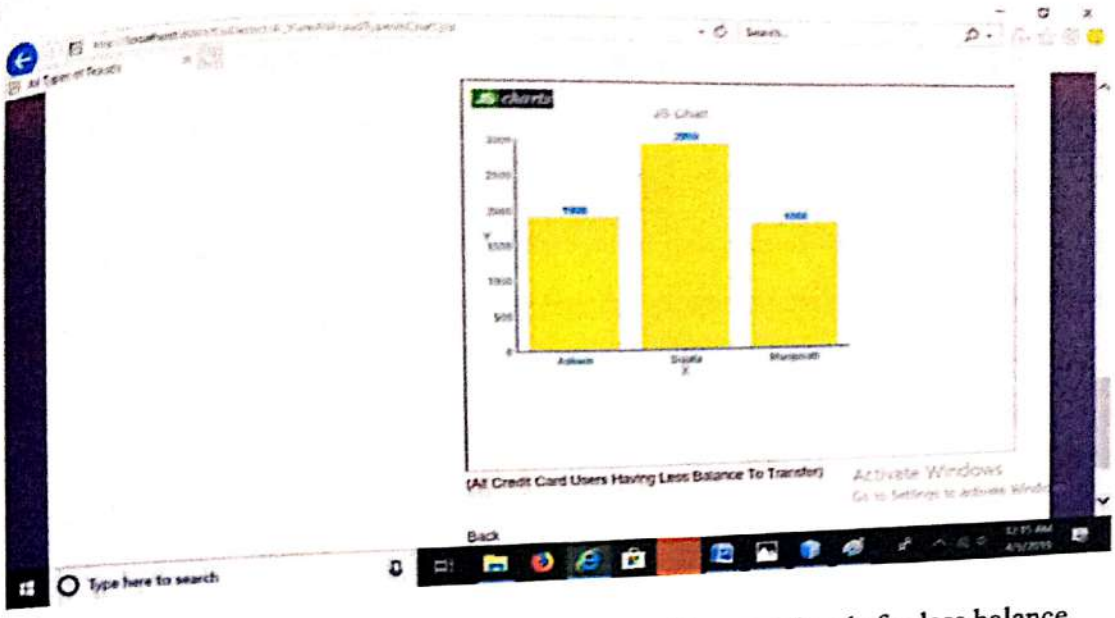
Internal Examiner

ABSTRACT

Financial fraud, such as money laundering, is known to be a serious process of crime that makes illegitimately obtained funds go to terrorism or other criminal activity. This kind of illegal activities involve complex networks of trade and financial transactions, which makes it difficult to detect the fraud entities and discover the features of fraud. Fortunately, trading/transaction network and features of entities in the network can be constructed from the complex networks of the trade and financial transactions. The trading/transaction network reveals the interaction between entities, and thus anomaly detection on trading networks can reveal the entities involved in the fraud activity; while features of entities are the description of entities, and anomaly detection on features can re-effect details of the fraud activities. Thus, network and features provide complementary information for fraud detection, which has potential to improve fraud detection performance. However, the majority of existing methods focus on networks or features information separately, which doesnot utilize both information. In this paper, we propose a novel fraud detection framework, CoDetect, which can leverage both network information and feature information for financial fraud detection. In addition, the CoDetect can simultaneously detecting financial fraud activities and the feature patterns associated with the fraud activities. Extensive experiments on both synthetic data and real-world data demonstrate the efficiency and the effectiveness of the proposed framework in combating financial fraud, especially for money laundering.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, type (application, product, research, review etc.) and standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, **PO6, PO7, PO8**, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.



DESCRIPTION: This screenshot is to show financial frauds for less balance

An Efficient and Secure Deduplication Scheme for Cloud-Assisted eHealth Systems

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
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ABSTRACT

We analyze the inherent characteristic of electronic medical records (EMRs) from actual Electronic health (eHealth) systems, where we found that multiple patients would generate large amounts of duplicate EMRs and cross-patient duplicate EMRs would be generated numerously only in the case that the patients consult doctors in the same department. We then propose the first efficient and secure encrypted EMRs deduplication scheme for cloud-assisted eHealth systems (HealthDep). With the integration of our analysis results, HealthDep allows the cloud server to efficiently perform the EMRs deduplication, and enables the cloud server to reduce storage costs by more than 65% while ensuring the confidentiality of EMRs. Security analysis shows that HealthDep is more secure than the Marforio et al.'s scheme (NDSS 2014) and Bellare et al.'s scheme (USENIX Security 2013).Algorithm implementation and performance analysis demonstrate the feasibility and high efficiency of HealthDep.

This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

7.4.2 Patient Registration Page :

If your are new patient you need to register all your details in user registration form. The registration page looks like below given figure:

Fig :7.4.2 Patient Registration Page

7.4.3 Patient Login Page :

Once you have completed your registration you can now go to login page and enter your login Id and password that you have given in registration form.

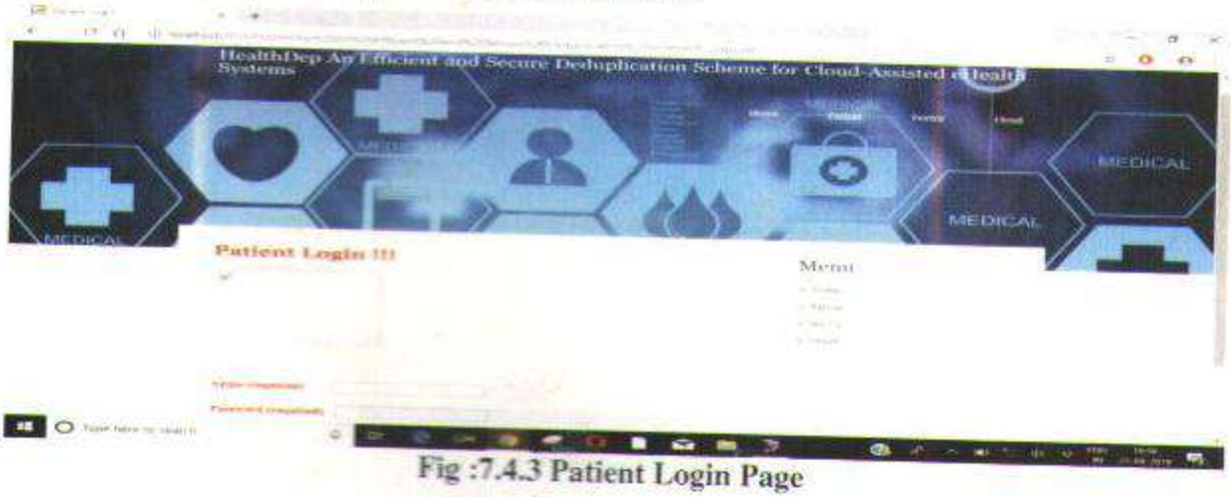

Fig :7.4.3 Patient Login Page

CLOUD LOG ASSURING SECRECY SCHEME [CLASS]

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements for the award of the degree of

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M.HARINI	**15E11A05K1**
K. RUCHITHA REDDY	**15E11A05J4**

the Department of Computer Science and Engineering, ***BHARAT INSTITUTE OF 'GINEERING AND TECHNOLOGY,*** Ibrahimpatnam is submitted to **Jawaharlal Nehru chnological University, Hyderabad** in partial fulfillment of the requirements for the ard of **B. Tech** degree in **Computer Science and Engineering** during **2015-2019.**

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a-Voce held on.....

ABSTRACT

User activity logs can be a valuable source of information in cloud forensic investigations; ıce, ensuring the reliability and integrity of such logs is crucial. Most existing solutions for secure gging are designed for conventional systems rather than the complexity of a cloud environment. In this per, we propose the Cloud Log Assuring Soundness and Secrecy (CLASS) process as an alternative ıeme for the securing of logs in a cloud environment. In CLASS, logs are encrypted using the lividual user's public key so that only the user is able to decrypt the content. In order to prevent authorized modification of the log, we generate proof of past log (PPL) using Rabin's fingerprint and ıom filter. Such an approach reduces verification time significantly. Findings from our experiments ıloying CLASS in OpenStack demonstrate the utility of CLASS in a real-world context.

8.5 OUTPUT SCREENS:

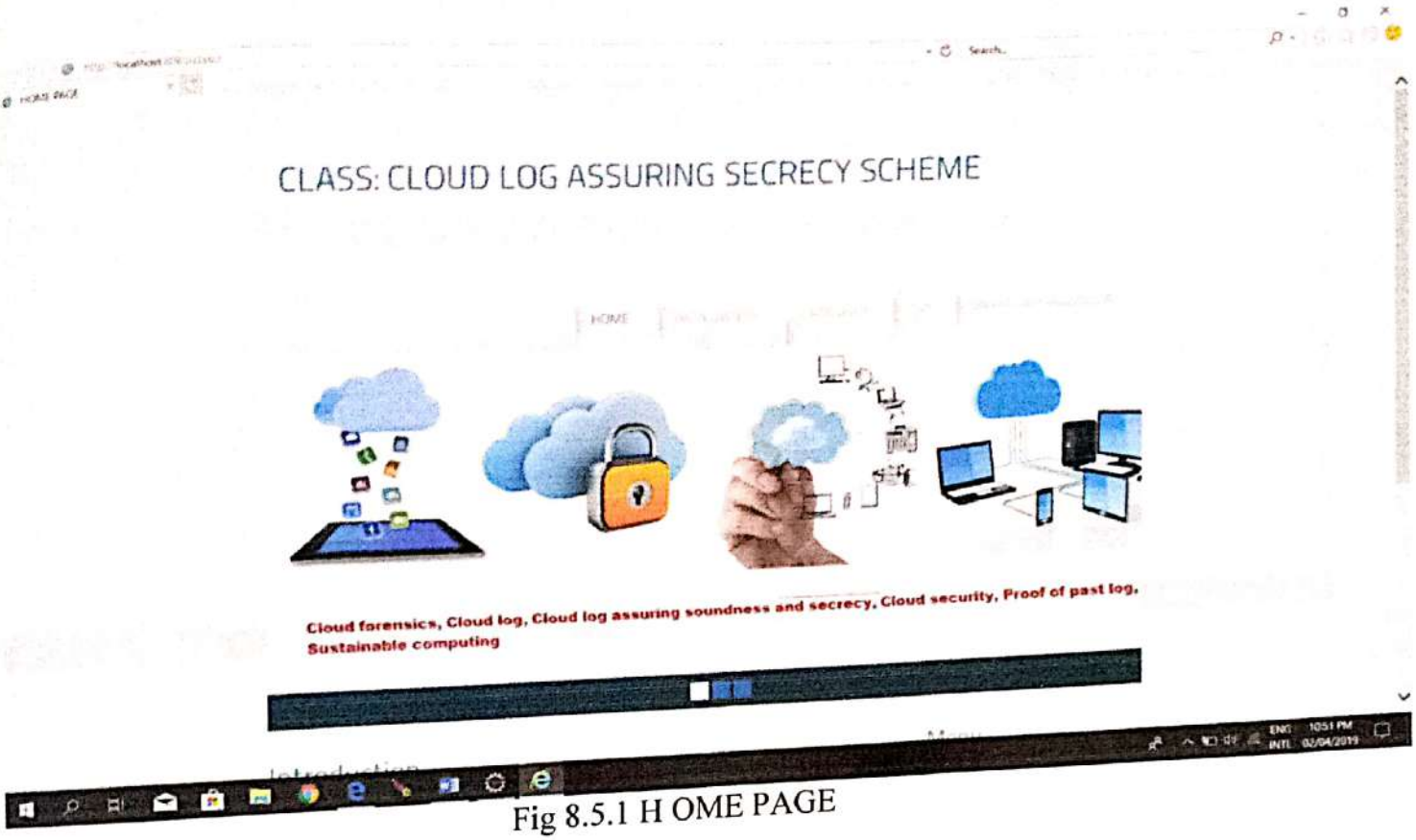

Fig 8.5.1 H OME PAGE

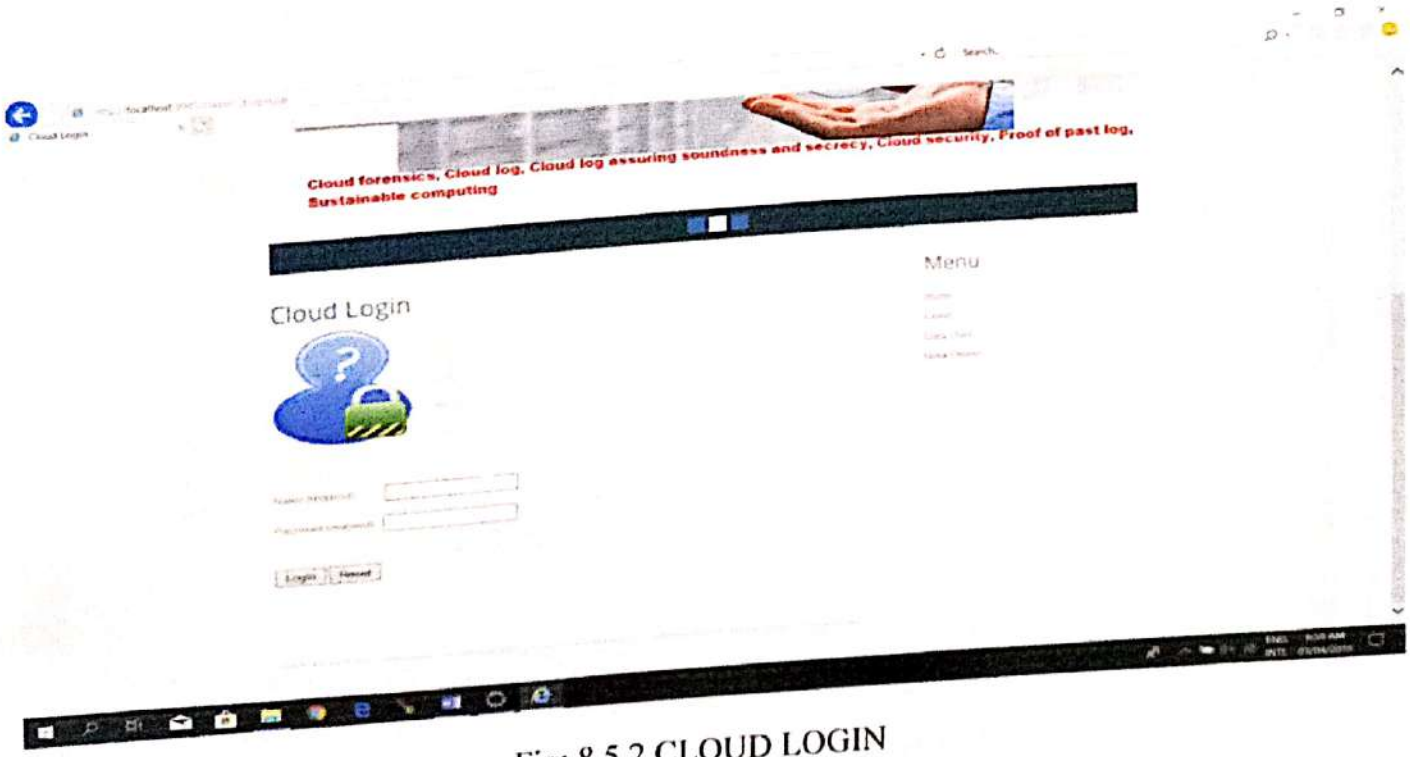

Fig: 8.5.2 CLOUD LOGIN

DIVISION AND REPLICATION OF DATA IN CLOUD FOR OPTIMAL PERFORMANCE AND SECURITY

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING
By

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K SAI KRISHNA TEJA	**(15E11A05M5)**
SANAM SAI KIRAN	**(15E11A05N9)**
N VIKRAM KUMAR	**(15E11A05K6)**

Under the guidance of

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2018 – 2019

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
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CERTIFICATE

This is to certify that the project entitled

"DIVISION AND REPLICATION OF DATA IN CLOUD FOR OPTIMAL PERFORMANCE AND SECURITY"

Is the bonafide work done by

VARAN A RATNANI	**(15E11A05N8)**
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Internal Examiner **External Examiner**

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. This project proposes 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, the project divides 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. The project shows that the probability to locate and compromise all of the nodes storing the fragments of a single file is extremely low. The project also compares the performance of the DROPS methodology with 10 other schemes. The higher level of security with slight performance overhead was observed.

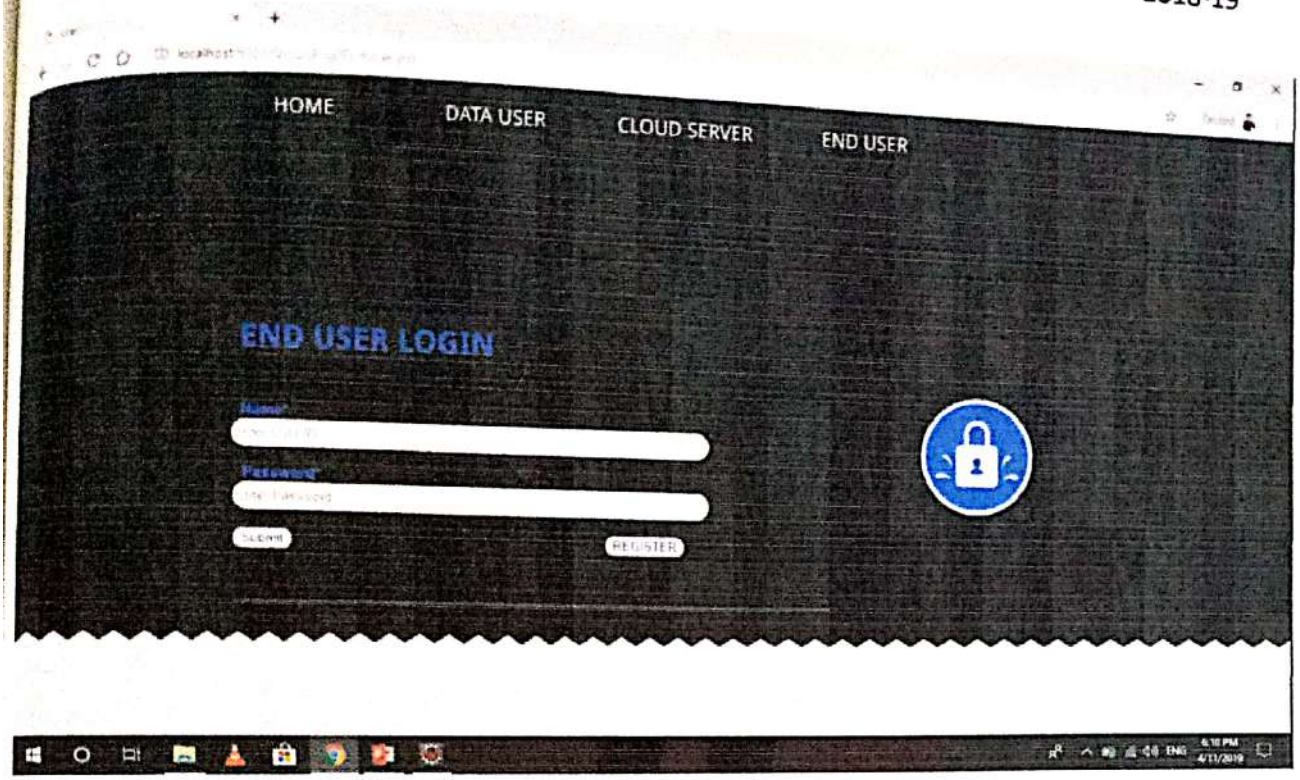

Fig: End User Login

Fig: Home Page

Prediction To Hospital Admission In Emergency Department

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

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IN
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Certificate

This is to certify that the project work entitled ***"Prediction To Hospital Admission In Emergency Department"*** *is the bonafide work done*

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ABSTRACT

Crowding within emergency departments (EDs) can have significant negative consequences for patients. EDs therefore need to explore the use of innovative methods to improve patient flow and prevent overcrowding.

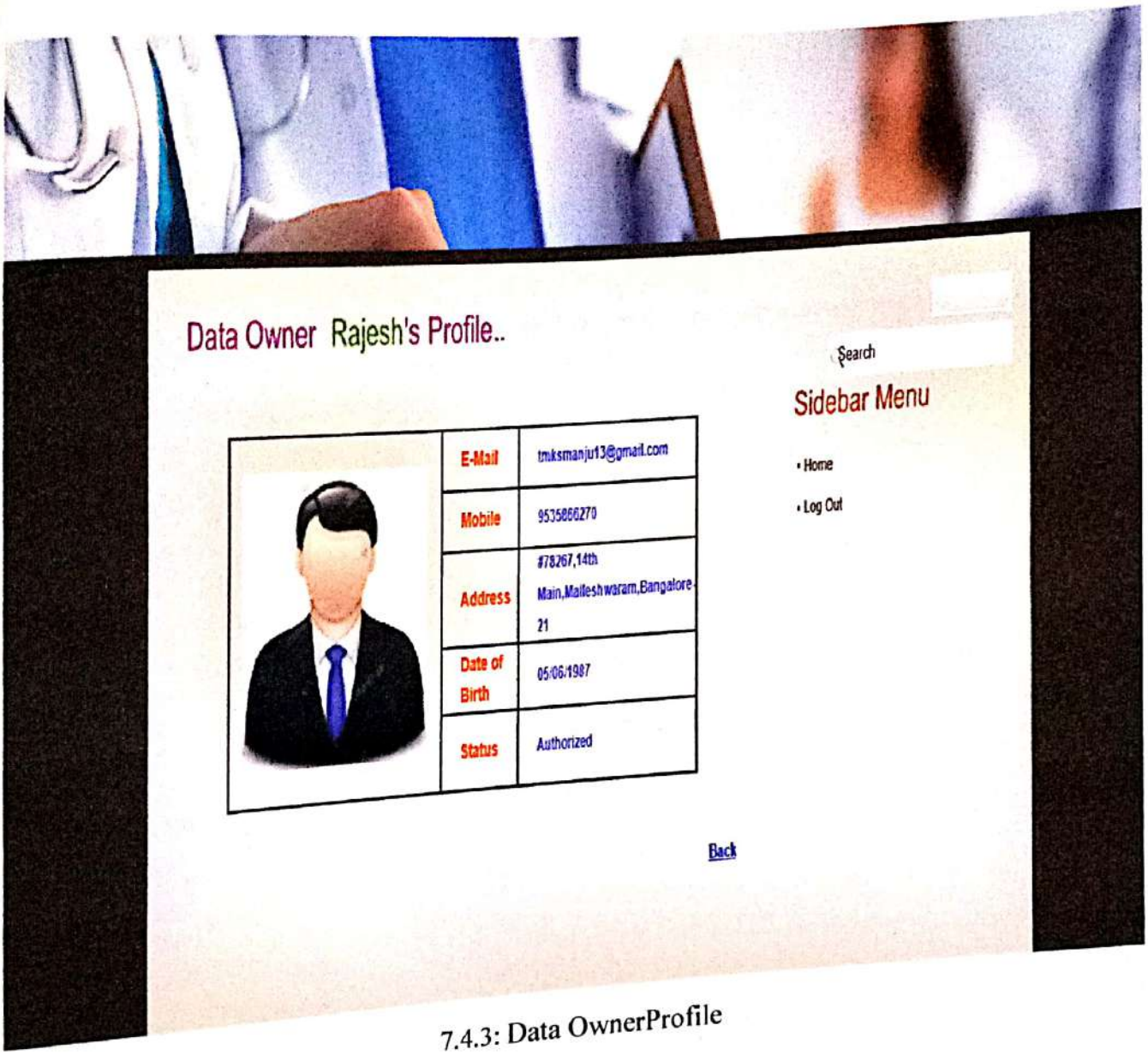
One potential method is the use of data mining using machine learning techniques to predict ED admissions. This uses routinely collected administrative data (120 600 records) from two major acute hospitals in Northern Ireland to compare contrasting machine learning algorithms in predicting the risk of admission from the ED.

We use three algorithms to build the predictive models: 1) logistic regression; 2) decision trees; and 3) gradient boosted machines (GBM). The GBM performed better (accuracy D 80:31%, AUC-ROC D 0:859) than the decision tree (accuracy D 80:06%, AUC-ROC D 0:824) and the logistic regression model (accuracy D 79:94%, AUC-ROC D 0:849). Drawing on logistic regression, we identify several factors related to hospital admissions, including hospital site, age, arrival mode, triage category, care group, previous admission in the past month, and previous admission in the past year.

This highlights the potential utility of three common machine learning algorithms in predicting patient admissions. Practical implementation of the models developed in this paper in decision support tools would provide a snapshot of predicted admissions from the ED at a given time, allowing for advance resource planning and the avoidance bottlenecks in patient flow, as well as comparison of predicted and actual admission rates.

When interpretability is a key consideration, EDs should consider adopting logistic regression models, although GBM's will be useful where accuracy is paramount. This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, and type of the this project is based on application and its standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs): PSO1, POS2 & POS3.

Data Owner Profile:



7.4.3: Data OwnerProfile

AN EFFICIENT AND PRIVACY-PRESERVING BIOMETRIC IDENTIFICATION SCHEME IN CLOUD COMPUTING

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

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P. RAHUL SAI	**15E11A05L2**
P. RAJENDHAR REDDY	**15E11A05L4**

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Certificate

This is to certify that the project work entitled "An Efficient and Privacy-Preserving Biometric Identification Scheme in Cloud Computing" is the Bonafide work done

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G. ASHWITH REDDY	**15E11A05I4**
P. RAHUL SAI	**15E11A05L2**
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ABSTRACT

Biometric identification has become increasingly popular in recent years. With the development of cloud computing, database owners are motivated to outsource the large size of biometric data and identification tasks to the cloud to get rid of the expensive storage and computation costs, which however brings potential threats to users' privacy.

In this paper, we propose an efficient and privacy-preserving biometric identification outsourcing scheme. Specifically, the biometric data is encrypted and outsourced to the cloud server. To execute a biometric identification, the database owner encrypts the query data and submitsit to the cloud.

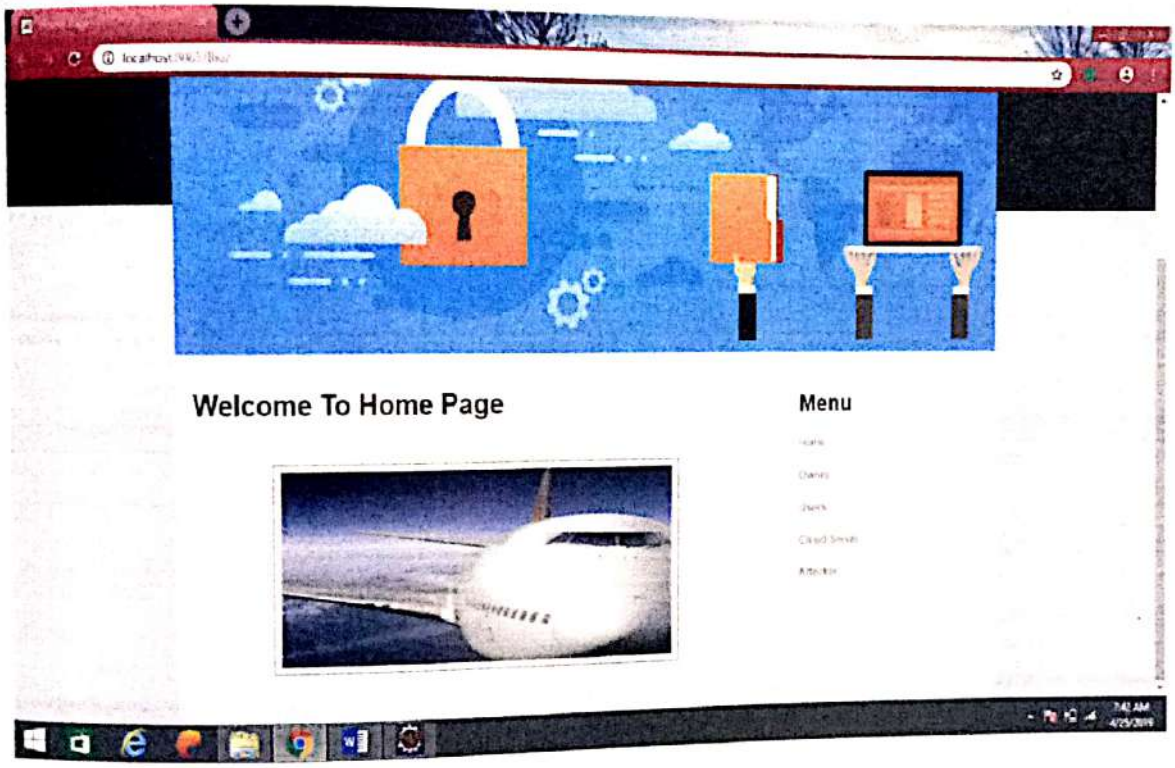
The cloud performs identification operations over the encrypted database and returns the result to the database owner. A thorough security analysis indicates the proposed scheme is secure even if attackers can forge identification requests and collude with the cloud. Compared with previous protocols, experimental results show the proposed scheme achieves a better performance in both preparation and identification procedures.

This Project Work Quality is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, type (application, product, research, review etc.) and standards. This project work mapping with the Program Outcomes (POs): PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12 and Program Specific Outcomes (PSOs):

PSO1, POS2 & POS3.

7.3 RESULT ANALYSIS:

7.3.1.Home page:



PRIVACY PRESERVING AND QUANTIFICATION IN DATA PUBLISHING

A Project Report Submitted to

Jawaharlal Nehru Technological University Hyderabad

In partial fulfillment of the requirements
for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

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K.SAI TARUN	**15E11A05J7**
M.SAI VENKATA RAMANA	**15E11A05J0**
M.SHARATH	**15E11A05K3**

Under the guidance of

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This is to certify that the project work entitled "privacy preserving and quantification in data publishing "is the bonafide work done

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M.SAI VENKATA RAMANA	**15E11A05J0**
M.SHARATH	**15E11A05K3**

in the Department of Computer Science and Engineering. **BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY.** *Ibrahimpatnam is submitted to Jawaharlal Nehru Technological University. Hyderabad in partial fulfillment of the requirements for the award of B. Tech degree in Computer Science and Engineering during 2015-2019.*

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Internal Examiner

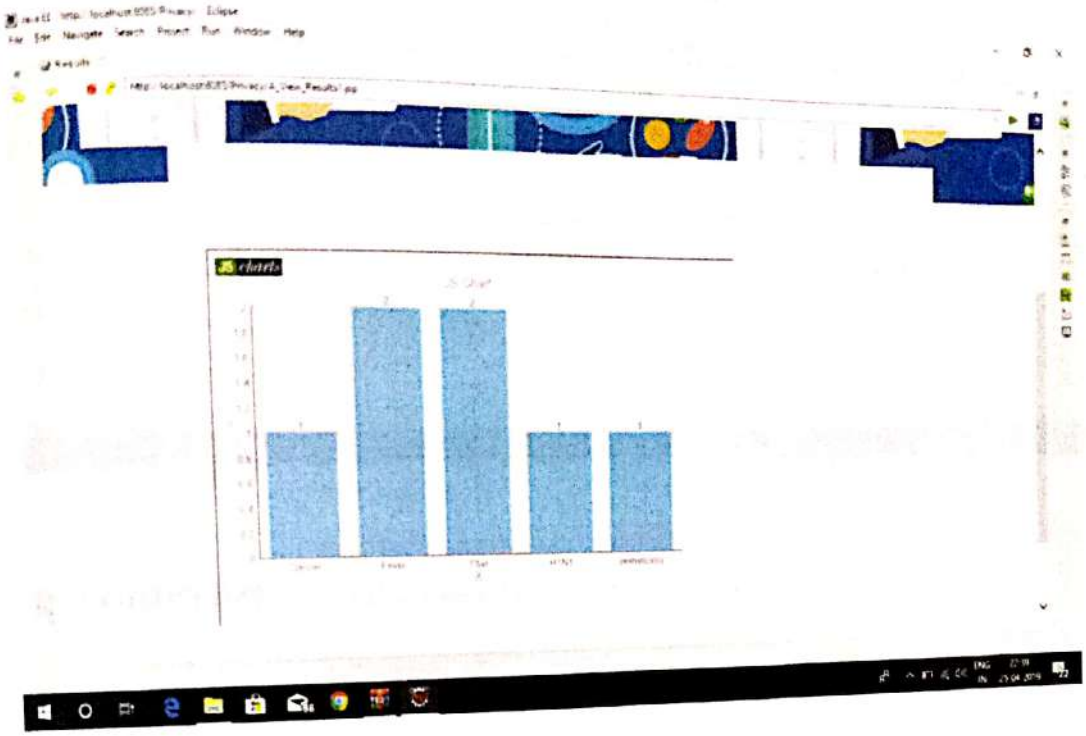
External Examiner

ABSTRACT

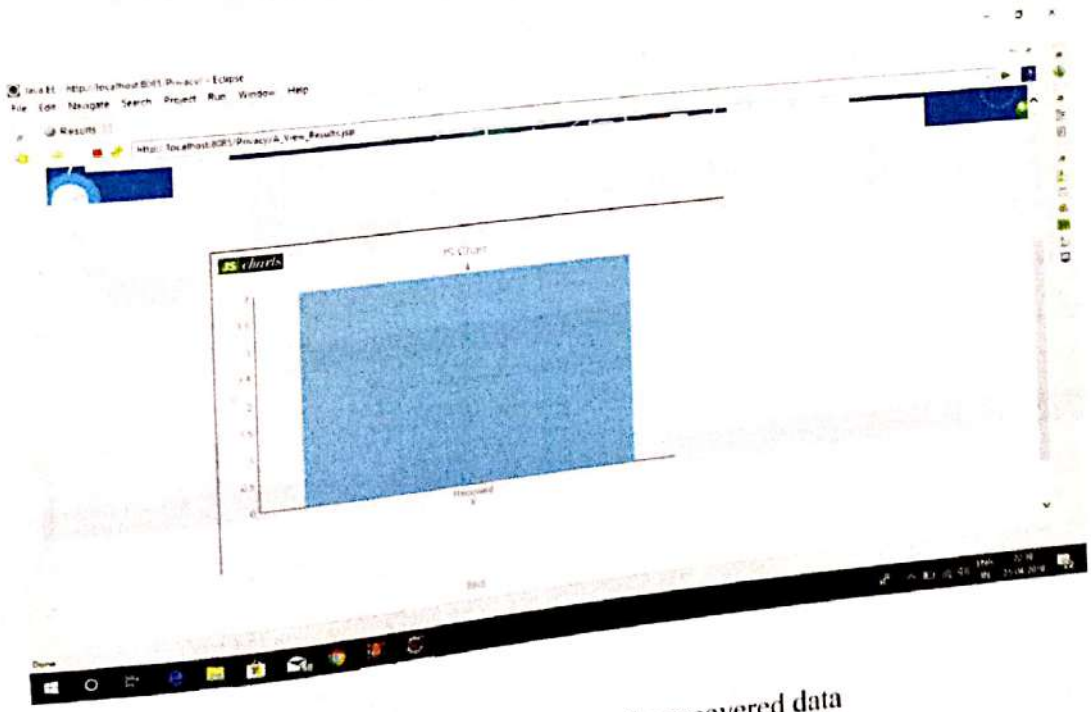
The increasing interest in collecting and publishing large amounts of individuals' data to public for purposes such as medical research, market analysis and economical measures has created major privacy concerns about individual's sensitive information. To deal with these concerns, many Privacy-Preserving Data Publishing (PPDP) techniques have been proposed in literature. However, they lack a proper privacy characterization and measurement.

In this paper, we first present a novel multi-variable privacy characterization and quantification model. Based on this model, we are able to analyze the prior and posterior adversarial belief about attribute values of individuals. We can also analyze the sensitivity of any identifier in privacy characterization. Then we show that privacy should not be measured based on one metric. We demonstrate how this could result in privacy misjudgment. We propose two different metrics for quantification of privacy leakage, distribution leakage and entropy leakage. Using these metrics, we analyzed some of the most well-known PPDP techniques such as k-anonymity, l-diversity and t-closeness. Based on our framework and the proposed metrics, we can determine that all the existing PPDP schemes have limitations in privacy characterization. Our propo*sed privacy characterization and measurement framework contributes to better understanding and evaluation of these techniques. Thus, this paper provides a foundation for design and analysis of PPDP schemes.

7.4 RESULT ANALYSIS



DESCRIPTION: This screenshot is to show the users analysed information



DESCRIPTION: This screenshot is to show the recovered data