ACADEMIC YEAR: 2016-2017

Book Publications

S.NO	NAME OF THE TEACHER	TITLE OF THE BOOK/CHAPTERS PUBLISHED	YEAR OF PUBLICATION	ISBN/ISSN NUMBER OF THE PROCEEDING	NAME OF THE PUBLISHER
1	Dr. M.Venkatesan	Programming and Data Structures – II	2016	978-93-84608-71-2	ARS Publications
2	Dr. M.Vimaladevi	Problem Solving and Python Programming	2017	978-93-83103-23-2	Lakshmi Publications, Chennai
3	P.Krishna Sankar	Foundation Skills in Integrated Product Development	2016	978-93-84608-23-1	AR Publications
4	K.Sriram Kumar	Foundation Skills in Integrated Product Development	2016	978-93-84608-23-1	AR Publications
5	Dr. P.Meenakshi Devi	Distributed Systems	2016	978-93-84608-89-7	ARS Publications
6	M.Dhurgadevi	Distributed Systems	2016	978-93-84608-89-7	ARS Publications
7	Dr. P.Meenakshi Devi	Programming and Data Structures – II	2016	978-93-84608-71-2	ARS Publications
8	Dr. P.Meenakshi Devi	Ad hoc and Sensor Networks	2016	978-93-84634-66-7	AR Publications
9	M.Dhurga Devi	Ad hoc and Sensor Networks	2016	978-93-84634-66-7	AR Publications

10	K.G. Lavanya	Ad hoc and Sensor Networks	2016	978-93-84634-66-7	AR Publications
11	S.Arun Prasanth	Foundation Skills in Integrated Product Development	2016	978-93-84608-23-1	AR Publications
12	Dr.J.C.Kannan	Engineering Physics – I	2016	_	SCM Publisher ERODE

Conference Publications

S.NO	NAME OF THE TEACHER	TITLE OF THE PAPER	TITLE OF THE PROCEEDINGS OF THE CONFERENCE	ISBN/ISSN NUMBER OF THE PROCEEDING	NAME OF THE PUBLISHER
1	R.Deebika	Secure Authentication System using Graphical Password to Avoid Shoulder Surfing Attacks	International Conference on Recent Trends in Engineering and Technology'17-ICRTET'17	-	KSR Institute for Engineering and Technology
2	V.Prakasham	Time Domain Attribute Based Access Control for Cloud Based Video Content Sharing a Cryptographic Approach	National Conference on Recent Trends & Emerging Technologies	-	Rajiv Gandhi College of Engineering
3	M.Jawahar	Stay Safe Application using Emergency Offline	International Conference on Recent Trends in Engineering and Technology'17-ICRTET'17	-	KSR Institute for Engineering and Technology

4	P.Sumathi	Data Transmission Using Access Point in MSN	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	KSR Institute for Engineering and Technology
5	M.Jaganathan	Cluster Application with user Suggestion	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	KSR Institute for Engineering and Technology
6	R.Deebika	Secure Authentication System Using Graphical Password to Avoid Shoulder Surfing Attacks	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	KSR Institute for Engineering and Technology
7	M.Saravanan	Medical Expert System for Viral Infection	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	KSR Institute for Engineering and Technology
8	G.Malathy	Gene Classification Using Pattern Discovery Basec Classifier Rules	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	KSR Institute for Engineering and Technology
9	S.M.Keerthana	Student Faculty Document Sharing System	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	KSR Institute for Engineering and Technology
10	P.Sumathi	Ensemble Based Learning Approach for Streaming Data Classification	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	KSR Institute for Engineering and Technology
11	Dr.B.Kalaavathi	Data Partitioning Scheme Based Consumer Behavior Estimation in Tamilnadu Electricity Board	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	KSR Institute for Engineering and Technology

12	G.Malathy	Towards Achieving Data Security With The Cloud Computing Adoption Framework	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	KSR Institute for Engineering and Technology
13	Dr.B.Kalaavathi	Prognosis of Lung Cancer Using Deep Learning	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	KSR Institute for Engineering and Technology
14	Dr.G.Malathy	Secure Image Transmission Framework for Health Care Services	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	KSR Institute for Engineering and Technology
15	Priyanga Devi.L	Medi-Care Database Maintenance System	IEEE Sponsored International Conference on Recent Advances in Engineering and Technologies-ICRAET 2017	-	Sri Krishna College of Engineering and Technology, Coimbatore
16	A. Murugesan	Smart Helmet For Safe Ride Using Raspberry PI	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	K S R Institute for Engineering and Technology
17	A. Murugesan	Boiler Monitoring And Controlling In Power Plant Using Internet of Things	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	K S R Institute for Engineering and Technology
18	C. Santhakumar	Grid Frequency Based Load Control System Using Pic Microcontroller	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	K S R Institute for Engineering and Technology
19	C. Santhakumar	Sequential Control Of Soot Blower In Recovery Boiler By Using Plc	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	K S R Institute for Engineering and Technology

20	C. Sivakumar	Smart Agricultural System	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	K S R Institute for Engineering and Technology
21	Dr. P. Veena	Microcontroller Based Digital Relay Protection Scheme For Transformer	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	K S R Institute for Engineering and Technology
22	Dr. R. Jeyabharath	Wearable For Visually Impaired Using Embedded Systems	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	K S R Institute for Engineering and Technology
23	M. A. Stephenraj	Smart Home Control System Based On Context And Human Speech	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	K S R Institute for Engineering and Technology
24	M. A. Stephenraj	Distribution Transformer Load Monitoring And Controlling Using GSM	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	K S R Institute for Engineering and Technology
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26	R. Sacithraa	Automatic Power Factor Monitoring And Correction System	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	K S R Institute for Engineering and Technology
27	S. Velmurugan	Median Robust Noise Resistant Extended Linear Binary Pattern With Hand Geometry and Iris Images	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	K S R Institute for Engineering and Technology

28	S. Velmurugan	Emergency Transportation And Automation In Parking By Radio Frequency Technology	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	K S R Institute for Engineering and Technology
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30	T. Arvind	Wireless Based Energy Meter Monitoring And Management System	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	K S R Institute for Engineering and Technology
31	T. Srihari	Fingerprint Based Medical Information System	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	K S R Institute for Engineering and Technology
32	T. Srihari	Data Acquisition And Controlling of Thermal Power Plant Using Raspberry Pi	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	K S R Institute for Engineering and Technology
33	Y. Kalimuthu	Automatic Load Sharing of Transformers Using Wifi Technology	International Conference on Recent Trends in Engineering and Technology	-	K S R Institute for Engineering and Technology
34	Y. Kalimuthu	Face Recognition For Visually Impaired People (with Raspberry PI Technology)	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	K S R Institute for Engineering and Technology

35	P. Shanmuga Aravind	Raspberry Pi Based Load Balance and Control of Illegal Power Consumption for Three Phase Consumers	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	K S R Institute for Engineering and Technology
36	P.Govindaraju	Design and Implementation of automobile snatch using GSM	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	ECE/ KSR Institute for Engineering and Technology
37	K.R.Gokul Anand	A Novel Method of Demand Control Using ZIGBEE	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	ECE/ KSR Institute for Engineering and Technology
38	T.Marthandan	Intelligence Surveillance System Using MSP430	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	ECE/ KSR Institute for Engineering and Technology
39	V.Praveen Kumar	BMI Automation Using ATmega328	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	ECE/ KSR Institute for Engineering and Technology
40	A.Prabakaran	Smart LPG Cylinder Using IoT	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	ECE/ KSR Institute for Engineering and Technology
41	P.Saranya	RTC Based Digital Clock in 12 Hours Format Using Arduino and Seven Segment	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	-	ECE/ KSR Institute for Engineering and Technology
42	P.Govindaraju	Condition Monitoring of Transmission Line Insulators using PMU for Smart Grid Environment	International Conference on Intelligent & Advanced Systems	-	Kuala Lumpur, Malaysia

43	P.Govindaraju	Monitoring of High Voltage Transmission Line: A Survey of WSN Simulator Tools	13th National Conference on Emerging Scenario in Power Engineering and Electrical Drives (eSpees 2017)	-	Dept of EEE, K.S.Rangasamy College of Technology
44	S.Gomathi	Bio-Inspired Glucose Control In Diabetes Based On An Analogue Implementation of β Cell	National Conference On Advanced Signal Processing and Communication &Networking (NSPCN'17)	-	ECE/PSNA College Of Engineering & Technology
45	K.Venkatachalam	Shock Preventer Using PIC Microcontroller	National Conference On Advanced Signal Processing and Communication &Networking (NSPCN'17)	-	ECE/PSNA College Of Engineering & Technology
46	B.Latha	GSM Based Automatic Recharging for Welding Machine	National Conference On Advanced Signal Processing and Communication &Networking (NSPCN'17)	-	ECE/PSNA College Of Engineering & Technology
47	V.Praveen Kumar	Measurement and Detection Of Cisterna Magna in Fetal Brain Based On LMS Method	National Conference On Communication Computing and Networks	-	ECE/Bannari Institute of Technology, Sathyamangalam
48	Dr.P.Murugesan	Design Analysis and Fabrication of Automated Human Prosthesis Walker	Emerging Trends in Electronics, Instrumentation Automation and Control		Karpagam College of Engineering

49	Dr.P.Murugesan	Analysis of Thrust Force and Torque in Drilling Natural FRP Composites	International Conference on Advance in Civil and Mechanical Engineering		Institute for Innovation in Science & Technology
50	R.Vasanthakumar	Enhancement of Heat transfer Rate in Solar Flat Collector using Twisted Tapes	International Conference on Recent Trends in Engineering Technology (ICRTET'17)		KSR Institute for Engineering and Technology
51	R.Vasanthakumar	Analysis of Heat Transfer through Solar Water Heater with Various Inserts	Advancements in Science, Engineering, technology & Management		M.P.Nachinmuthu M.Jaganathan Engineering College
52	K.Gopalakrishnan	Analysis of Thrust Force and Torque in Drilling Natural FRP Composites	Advance in Civil and Mechanical Engineering		Institute for Innovation in Science & Technology
53	S.Mohanavelan	Attachment of pipe inside Grinding in Heater	International Conference on Recent Trends in Engineering Technology (ICRTET'17)		KSR Institute for Engineering and Technology
54	A.Mohanraj	Design and Development of Aqua silence as Emission Controller	Emerging Trends in Engineering and Technology		Gnanamani College of Technology
55	S.Baskaran	Agricultural Implementation for planing Seeds	Cutting Edge Innovation in Engineering and Technology		Cheran college of Engineering
56	D.Ram kumar	Design &Fabrication of GOKART with Automation	International Conference on Recent Trends in Engineering Technology (ICRTET'17)		KSR Institute for Engineering and Technology
57	D.Ram kumar	Design and Analysis of Metal Matrix Composite using Aluminium Alloy with Borosilicate	International Conference on Recent Trends in Engineering Technology (ICRTET'17)		KSR Institute for Engineering and Technology

58	M.V.Shanmugam	WIND Energy as a Alternate Source for Power Production in Quad Copter during Flying	International Conference on Recent Trends in Engineering Technology (ICRTET'17)		KSR Institute for Engineering and Technology
59	G.Anitha	Analysis of Thrust Force and Torque in Drilling Natural FRP Composites	Advance in Civil and Mechanical Engineering		Institute for Innovation in Science & Technology
60	K.Kavinraj	Emission Reduction with Selective Catalytic Reduction in ADI Diesel Engines by using Zro2 & Tio2 coating	International Conference on Recent Trends in Engineering Technology (ICRTET'17)		KSR Institute for Engineering and Technology
61	P.Meenakshi Devi	Evaluation of Software Measurement Tools Based on Quality Factor	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	–	KSR Institute for Engineering and Technology
62	G.Malathy	Secure Image Transmission Framework for Health Care Services	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	–	KSR Institute for Engineering and Technology
63	M.Dhurga Devi	Particle Swarm optimization based Heuristics for Scheduling travel path of charging vehicle in Wireless Sensor Networks	International Conference on Microelectronics, Communication and Computing	–	San Diego, USA(Virtual Participation)
64	M.Dhurga Devi	Energy Efficient Data Management Technique in Wireless Sensor Networks	National Conference on Intelligent Computing	–	KSR college of Arts and Science

65	M.Dhurga Devi	Harmony Search Algorithm for finding the travel path of wireless vehicle in WSN	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	–	KSR Institute for Engineering and Technology
66	M.Dhurga Devi	Implementation of Energy Efficient Routing Protocol in WSN	National Conference on NEXGEN Technologies	–	Senguthar Engineering College
67	M.Dhurga Devi	Unobservable Secure Routing Protocol For MANET	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	–	KSR Institute for Engineering and Technology
68	P.S.Prakash Kumar	Supplychain and Risk Management in Software Projects	National Conference on Innovations in Engineering and Technology	–	Karpagam College of Engineering
69	P.S.Prakash Kumar	IT-Study Box	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	–	KSR Institute for Engineering and Technology
70	P.Shanmuga Priya	Drive Clearance	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	–	KSR Institute for Engineering and Technology
71	M.Soundariya	E-Catalogue For Electronic Gadgets	International Conference on Recent Trends in Engineering Technology (ICRTET'17)	–	KSR Institute for Engineering and Technology

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ACKNOWLEDGEMENT

We are greatly indebted to **Lion. Dr. K. S. Rangasamy M.J.F.**, Chairman, K.S.R. Educational Institutions, for granting us an opportunity to write this book in a successful manner.

We would like to express our deep gratitude to our beloved Managing Trustee **Mr.R.Srinivasan,** for his kind words and enthusiastic motivation in all our endeavors which inspires a lot in completing this book.

We are very much indebted to all our family members and our friends for their invaluable moral support at every stage of our work.

We thank all those who have helped us directly or indirectly in the successful completion of this book.

We would like to express our sincere thanks to A.R. Publications for their support and help in publishing this book in a successful manner.

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website: www.arspublications.com

ISBN 978-93-84608-71-2

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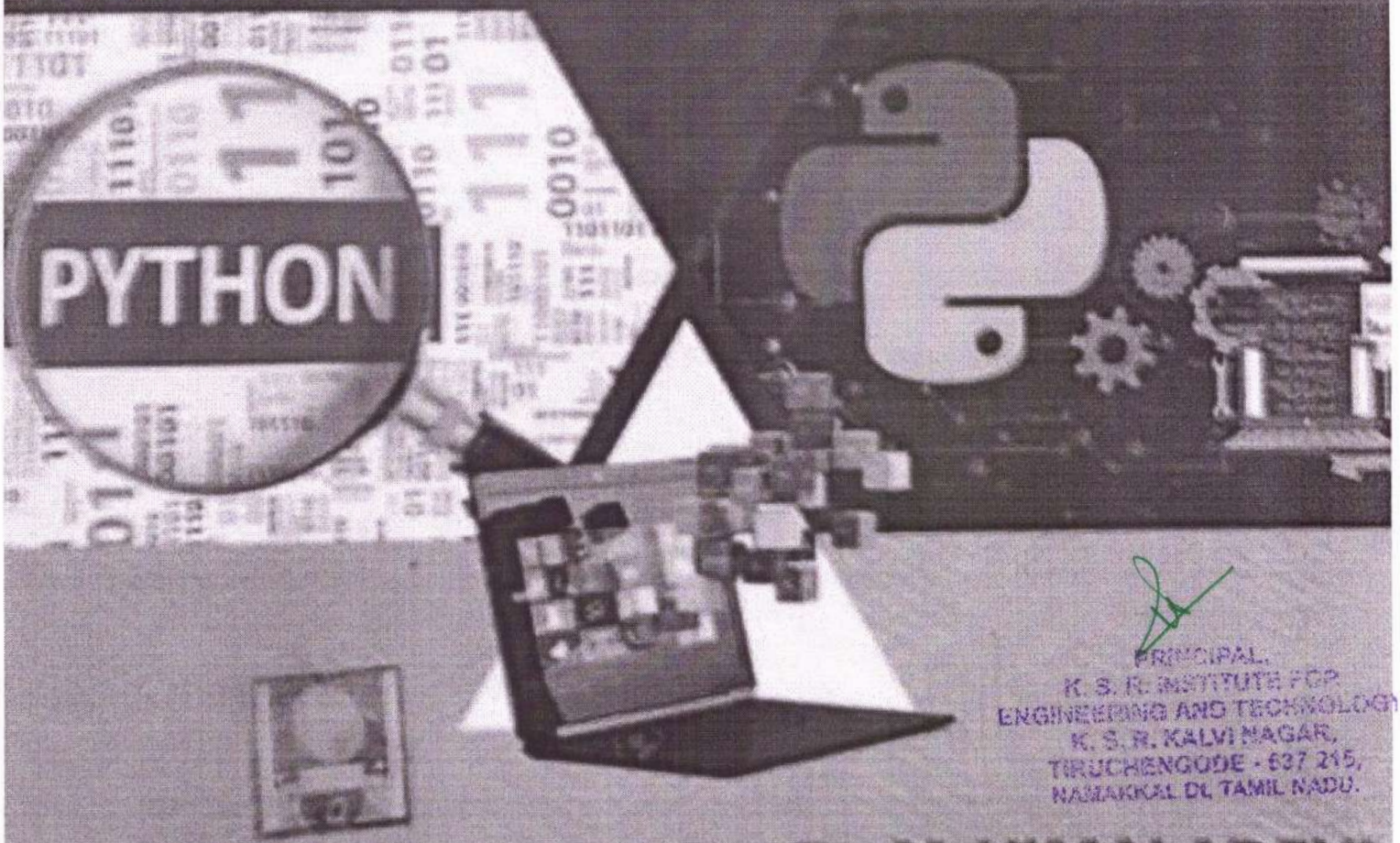

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ACKNOWLEDGEMENT

First and foremost, we would like to thank God. In the process of putting this book together we realized how true this gift of writing is for us to share our knowledge. You give us the power to believe in our passion and pursue our dreams. We could never have done this without the faith we have in you, the Almighty.

We offer our thanks to proprietor of Rtn.Mr.A.Ramesh, **A.R.S. Publications** and his Colleagues for their tireless effort in overseeing the production of the book.

Finally, we sincerely thank our Colleagues, Parents, Family, Friends and Well-wishers for their understanding, patience and constant encouragement.

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The first part deals with **foundations** of Distributed Systems. The second part Introduce the idea of **peer to peer services and file system** and the third part deals with **synchronization, replication and process & resource management.** The book has many significant highlights which includes lot of **previous year question papers and question bank** for each unit.

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ACKNOWLEDGEMENT

We are greatly indebted to **Lion. Dr. K. S. Rangasamy M.J.F.**, Chairman, K.S.R. Educational Institutions, for granting us an opportunity to write this book in a successful manner.

We would like to express our deep gratitude to our beloved Managing Trustee **Mr.R.Srinivasan,** for his kind words and enthusiastic motivation in all our endeavors which inspires a lot in completing this book.

We are very much indebted to all our family members and our friends for their invaluable moral support at every stage of our work.

We thank all those who have helped us directly or indirectly in the successful completion of this book.

We would like to express our sincere thanks to A.R. Publications for their support and help in publishing this book in a successful manner.

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ACKNOWLEDGEMENT

First and foremost, we would like to thank God. In the process of putting this book together we realized how true this gift of writing is for us to share our knowledge. You give us the power to believe in our passion and pursue our dreams. We could never have done this without the faith we have in you, the Almighty.

We offer our thanks to proprietor of Rtn.Mr.A.Ramesh, **A.R.S. Publications** and his Colleagues for their tireless effort in overseeing the production of the book.

Finally, we sincerely thank our Colleagues, Parents, Family, Friends and Well-wishers for their understanding, patience and constant encouragement.

The authors would be happy to collect opinion for supplementary improvement of the book.

S. Arunprasath
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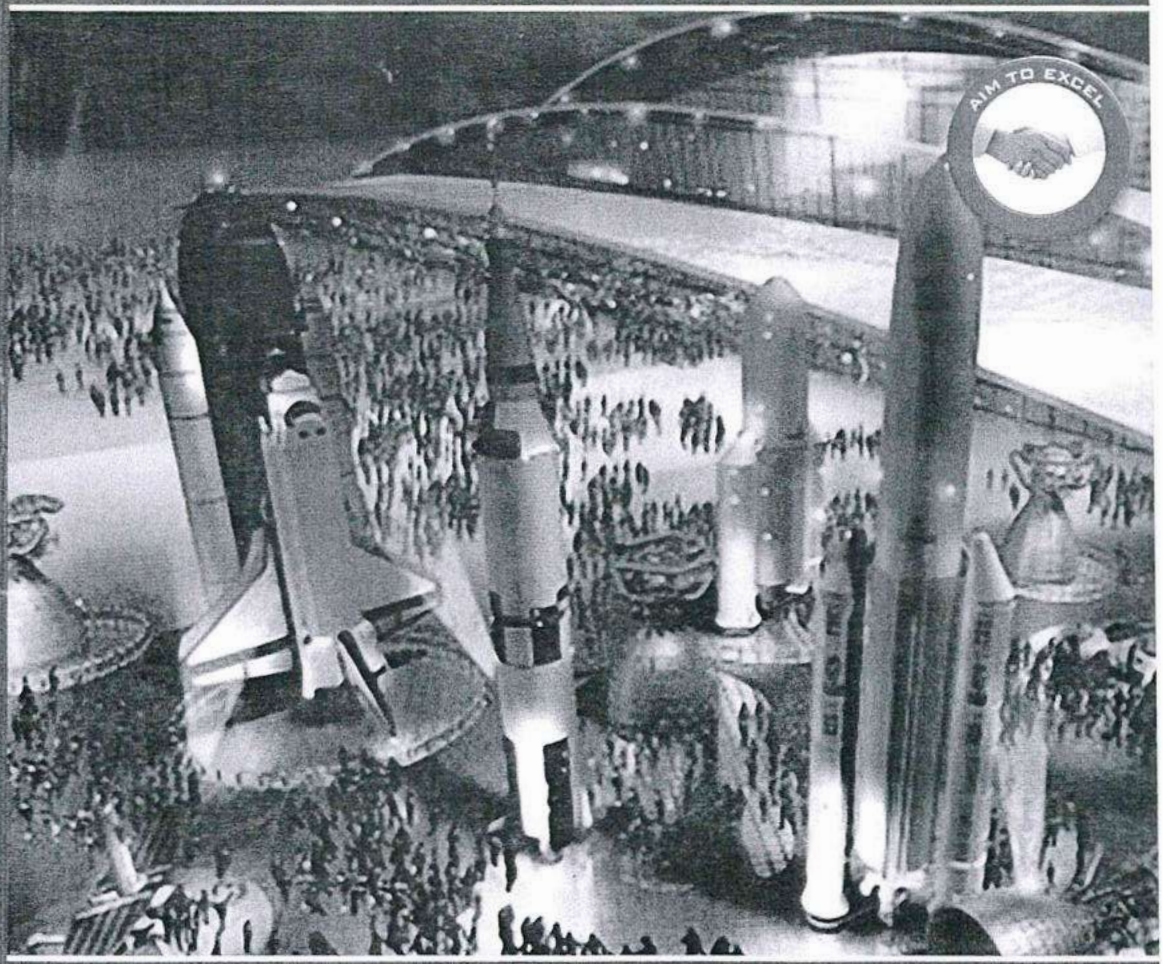

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DATA TRANSMISSION USING ACCESS POINT IN MSN

[1] R.Sruthi,[2] J.Brindha,[3] S.Sowmiya, [4] T.Padmasrimathi, [5]P.Sumathi
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...CS015

...This studies about two tightly coupled issues, data forwarding from mobile to mobile ... help of Access Point (AP).This proposes a communication framework containing the ...derlying network with access point support for data forwarding and the base stations ...ging most of control traffic. The concept of physical proximity community can be ...to be one across the geographical space, because APs can facilitate the communication ...ng-distance nodes. This can design a novel data forwarding algorithm Social Attraction ...tructure Support (SAIS), which applies similarity attraction to route to neighbour more ... destination, and infrastructure support phase to route the message to other APs within ...connected components.

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CLUSTER APPLICATION WITH USER SUGGESTION

Divya.B[1], Gokila.P[2], Kadhambari.R[3], Sathya.S[4]
Mr.M.Jaganathan[5]
...Department of Computer Science and Engineering, KSR Institute for Engineering and Technology1, 2, 3, 4
...ciate professor, Department of Computer Science and Engineering, KSR Institute for Engineering and Technology5

...C17CS016

... The project "CLUSTER APP WITH USER SUGGESTION" is designed using ... Android 4.0.3 platform. The platform used to develop the application is Eclipse IDE ... with Java 1.6 Standard Edition. This application allows users to perform all activities ... booking cab, purchasing grocery items and ordering food items within the single ... In existing system, user need to search through multiple applications to book a cab, ... items and purchase house utility items. This project provides three user facilities ... single application. In admin module, admin adds the food item details, cab availability ... grocery items available in the store. The food item details include type of food, food ... food cost details. In cab facility details, admin add the name of cab, cab driver name, ... contact number and cab cost details. The grocery item details include grocery item id, ...ber, item name and stock availability details. In addition admin adds health based ... such as food calorie details. In user module, user can view the details based on their ...ces. In addition user adds rating for each product therefore new user can view the rating ... for a required product. The user can also book cab by checking its availability. User ... to track the cab location using GPS.

***...erms*—Android 4.0.3, Eclipse IDE (Mars), GPS.**

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...E AUTHENTICATION SYSTEM USING GRAPHICAL PASSWORD TO AVOID SHOULDER SURFING ATTACKS

Kannan.M[1],Sachin R Doss[2],VigneshG[3], Ms.R. Deebika[4]

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...CS017

...-Authentication based on passwords is used largely in applications for computer security ...acy. However, human actions such as choosing bad passwords and inputting passwords ...secure way are regarded as "the weakest link" in the authentication chain. Rather than ... alphanumeric strings, users tend to choose passwords either short or meaningful for ...morization. With web applications and mobile apps piling up, people can access these ...ion s anytime and anywhere with various devices.This evolution brings great convenience ... increases the probability of exposing passwords to shoulder surfing attacks. With a one-...lid login indicator and circulative horizontal and vertical bars covering the entire scope of ...ages. PassMatrix offers no hint for attackers to figure out or narrow down the password ... they conduct multiple camera-based attacks. With a one-time valid login indicator and ...ive horizontal and vertical bars covering the entire scope of pass-images, PassMatrix ... no hint for attackers to figure out or narrow down the password even they conduct ...le camera-based attacks. We also implemented a PassMatrix prototype on Android and ... out real user experiments to evaluate its memorability and usability. From the ...mental result, the proposed system achieves better resistance to shoulder surfing attacks ... maintaining usability.

... Terms:

Graphical Passwords, Authentication, Shoulder Surfing Attack.

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MEDICAL EXPERT SYSTEM FOR VIRAL INFECTION

Keerthana.B[1] ,Rama.V[2],Sangavi.S[3], Soundarya.S[4],Mr.M.Saravanan[5]

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: IC17CS019

stract-The web based health services are used to provide remote health services to the ients. The remote health services are provided by the reputed portals and community based alth services. The reputed portal provides health related information only. Interactive patient agnosis operations are supported by the community based health services. The web based alth services supports anytime and anywhere access facilities. The question and answer based teractive web applications are designed to communicate the patients to provide medical sistance. Initial diagnosis and decision making operations are supported in the interactive alth care services.The medical expert system is an Internet based application that provides the estion and answer based patient diagnosis services. The disease identification operations are rformed using the answers submitted by the patients. The sytem is divided into two plications. They are patient application and doctor application. The patient application is used collect and analyze the patient symptom details. The doctor application is used to support ec ision making and suggestion provisioning operations. The data mining, artificial intelligence nd expert system techniques are used in the system. Similar data values are grouped with the pport of the K-means clustering algorithm. The system also suggests further medical assistance the patients.Keywords:K -means algorithm, Clustering, Pattern.

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GENE CLASSIFICATION USING PATTERN DISCOVERY BASED CLASSIFIER RULES

Sumithra.P[1], Monika.K[2], Vinodini.K[3], Vidhiya.D[4] Dr.G.Malathy[5]

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17CS020

ct-The frequent pattern mining methods are employed to detect the frequently appeared sets. Support and confidence threshold levels are used to filter the frequent rules. Label for the records is assigned with the support of the classification schemes. The labeled s are analyzed to estimate the class patterns. The learned patterns are compared to assign for the unlabeled records. The classification tasks can be performed with the integration of ttern mining and classification techniques. Data sequences are assigned with the class using the sequence classification methods. Sequential data items are analyzed with nce Classification based on Interesting Patterns (SCIP) scheme. Interesting rules are ed with support threshold values. Frequent item set discovery, sequence estimation, pruning classifier rule identification tasks are carried out under the SCIP scheme. The classifier is ucted with the class rules. The gene classification process is carried out using the classifier . The gene classification operations are performed with the support of the Sequence ification based on Refined Interesting Patterns (SCRIP) scheme. The sequence estimation ess is improved with redundant timestamp analysis model. The system automatically ates the threshold values for the rule refinement process. Feasible rules are discovered for class levels. The Yeast gene expression data values are categorized with the SCRIP scheme. h dimensional data values are compressed with relative attribute groups. The SCRIP scheme uces better performance with high accuracy and minimum computational complexity levels.

ywords: Gene Classification, Association Rule, Support, Confidence, Pattern, Ruic mining, set.

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STUDENT FACULTY DOCUMENT SHARING SYSTEM

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ID: IC17CS022

Abstract-Mobile technology is one of the vast technologies spreaded between people .The main motivation behind mobile technology is To connect people with each other. Mobile technology has introduced new Environment among student and teacher that can be used to improve today's learning system. Taking into consideration this promising setting, a study was undertaken to realize the impact of such an environment, made possible by the android platform, on the learning process amongst students. The proposed system will introduce and improve interactivity, accessibility, and convenience in the learning process. Overall notification to students will be sent from admin office through app directly. Any new notice for a particular semester will be uploaded by professor through application notifying to respective semester students. Application also includes logic to support above mentioned facilities to its students, however if the person downloading the application is not a student but an aspirant who has completed HSC and wants to know about the college then it only includes the advertisement of the college. Senior college toppers can also share their tips and tricks with other students via chat interface. Student's attendance is also monitored by the application.

Keywords: Android, Communicate, Circular, profile.

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ENSEMBLE BASED LEARNING APPROACH FOR STREAMING DATA CLASSIFICATION

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ract-The classification techniques are used to assign transaction categories. The learning and sting tasks are carried out for the classification process. The classification operations are erfo rmed on the data values that are maintained under the databases. There is no limit for am ber of data scans and process time. The training set requires labeled transaction collection. he stream based classification uses data values collected from remote machines. The stream ase d classification model is restricted with time boundaries and data scan counts. The ass ification operation must be performed in minimum time intervals. Most existing data ream classification techniques ignore one important aspect of stream data with arrival of a ev el class. A data stream classification technique is adapted to integrate a novel class detection ec hanism into traditional classifiers. The system enables automatic detection of novel classes efo re the true labels of the novel class instances arrive. Novel class detection problem becomes re challenging in the presence of concept-drift, when the underlying data distributions evolve streams. In order to determine whether an instance belongs to a novel class, the classification od el sometimes needs to wait for more test instances to discover similarities among those sta nces. The novel class identification takes more waiting time to analyze the class instances. at a point identification is a time consuming process. Stream based mining model collects data m streams from remote machines. Stream based classification model is used to fetch novel ass ses in concept drifting environment. The class ensembles are used to perform the transaction m ilarity measures. The Class Based ensembles for Class Evaluation (CBCE) scheme is applied discover the classes in the streams. The class detection scheme is enhanced to assign class be ls in dynamic feature set environment.

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DATA PARTITIONING SCHEME BASED CONSUMER BEHAVIOR ESTIMATION IN TAMILNADU ELECTRICITY BOARD

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stact- Clustering techniques are used to group up the transactions based on the relevancy. erarchical and partition clustering techniques are used for the clustering process. Hierarchical stering technique uses the structure and data values. The partition clustering technique uses data similarity factors. Transactions are partitioned into small groups. K-means clustering orithm is one of the widely used clustering algorithm. Local cluster accuracy is high in the K-ans clustering algorithm. Inter cluster relationship is not concentrated in the K-means orithm. K-means clustering algorithm requires the cluster count as the major input. The nsactions are compared with the centroid values in each cluster environment. The system oses random transactions are initial centroid for each cluster. Cluster accuracy is associated h the initial centroid estimation process. Because all the transactions are transferred to the evant cluster based on the initial centroid comparison process. The random transaction based troid selection model may choose similar transactions. In this case the cluster accuracy is ited with respect to the distance between the centroid values.

e K-Means Clusters with Simulated Annealing (KMC-SA) scheme is build to perform the data rtitioning with centroid selection process. The centroid selection is carried out using the mulated Annealing mechanism. The electricity usage pattern discovery system is designed to prove the K-means clustering algorithm with optimal centroid estimation models. Cosine stance measure and Euclidean distance measure are used to estimate similarity between the nsactions. Precision and recall and purity measure are used to test the cluster accuracy levels. va language and Oracle database are selected for the system development.

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TOWARDS ACHIEVING DATA SECURITY WITH THE CLOUD COMPUTING ADOPTION FRAMEWORK

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D: IC17CS029

bstract-This project mainly focuses on providing data security to the cloud users. Security is ssential factor in the cloud services. For this purpose, we need a clear framework which rovides security to both cloud users and cloud providers.The Cloud Computing Adoption ramework (CCAF) is used for adopting and applying cloud security principles systematically. his framework has key features includes identification, data integrity, privacy and durability. he CCAF has three layers of security such as firewall and access control, identity management nd intrusion prevention and convergent encryption.

ndex Terms: SQL injection,cross site scripting

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PROGNOSIS OF LUNG CANCER USING DEEP LEARNING

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e IC17CS033

stract- Carcinoma also known as Cancer is the commonly growing and most dangerous ease occurred in human species. Lung Carcinoma is one of them. It is a disease that occurs e to uncontrolled growth of cancerous cells in the tissues of the lungs. Prior diagnosis of the ease saves huge number of lives, failing in which may lead to other severe problems causing den fatal death. Motive of this system is to automate the detection process so as to perform anced detection of the disease in its early stage. A measure for early diagnosis mainly cludes X-rays, CT images etc. In this system firstly we use techniques such as Data eprocessing, Training and testing of samples that are necessary for the task of medical image ning. A powerful learning model i.e (BPNN) is used for classification which would classify e digital X-ray, CT-images, MRI's, etc as cancerous or non-cancerous. The selected feature ll help to detect the stage of cancer by measuring the size of the feature and using this easurement the stage of cancer will be decided. This system will support to make an relevant cision about a patient's state.

dex Terms: Backpropagation, Neural Networks, Classification, Genetic Algorithm, edical Image Mining.

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CURE IMAGE TRANSMISSION FRAMEWORK FOR HEALTH CARE SERVICES

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C17CS035

ct-Medical image transmission is very important task in the telemedicine and remote services. Authentication, confidentiality and integrity are the key issues for the secure data mission process. The data source verification is carried out under the authentication process. ncryption and decryption operations are carried out under the confidentiality tasks. The integrity verification is performed to check the original data with received data values. The mark technique integrates all the data security operations. Watermark based data ication and integrity verification is supported to secure the medical image transmission ess. The data confidentiality is ensued with the Cryptography techniques. Data ption and decryption operations are carried out to secure the patient details. The Hybrid rithm (HA) integrates the watermark and Cryptography techniques. The medical image mission is protected with the Hybrid Algorithm. The Patient Health Records (PHR) are ained in the secret text files. The secret text file provides the details about the patient and medical image information. The data hiding methods are applied to hide the secret text into cover image values.the secure medical image transmission system is constructed with the hide and Cryptogra phy techniques. The Enhanced Hybrid Algorithm (EHA) is composed the integration of the data hide, watermark and Cryptography techniques. The secret text is pted with the RSA algorithm. The encrypted secret text is hided into the medical image. Least Significant Bit (LSB) encoding scheme is used to handle data hide/unhide operations. watermark is used to carry the authentication and data integrity verification operations. The em is developed using Java front end and Oracle relational database environment.

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RTC BASED DIGITAL CLOCK IN 12 HOURS FORMAT USING ARDUINO AND SEVEN SEGMENT

Ms.P.S.ARANYA, M.E.,
N.ASURULLA.S, SANDEEP GAUR.R,SUNDAR RAO.P,YUVARAJ.N,
KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY,

PAPERID: IC17EC039

Abstract- This project is about making a real time digital clock. The time and date is displayed in seven segment LED display. In this project we have used a seven segment LED to display the time in - (hour, minute, seconds) format. An alarm option is also added and we can set up the alarm time. Once alarm time is saved in internal EEPROM of arduinouno, it remains saved even after reset or electricity failure. We control and change the time and date using Bluetooth or Wi-Fi interconnection. Real time clocks are commonly used in computers, houses, offices and electronics device for keeping them updated with real. In this project we are showing that whether the time is AM or PM, and alarm setups. The seven segment LED is used for displaying clock and it clearly shows the time and also the light efficiency is high. Bluetooth is used for controlling and changing the time and date from a certain distance. This product is mainly designed for displaying same time in our college campus and in every class.

DESIGN AND IMPLEMENTATION OF AUTOMOBILE SNATCH USING GSM

NIVEDHA SHREE.S,SANTHA KUMAR.SHANGAVAI.P,RUBESH.L,
DEPARTMENT OF ECE, KSRIET
Mr.P.GOVINDARAJU, M.E., (PhD),ASSISTANT PROFESSOR

PAPERID: IC17EC040

Abstract-

This system proposes the design and construction of an advanced car security system using GSM. It uses the GSM mobile communication networks to transmit alarm signal and control instruction. The control and communication between the user and the proposed system are achieved through a short message services(SMS) protocol available in the mobile phone. If the car door is illegally opened or the car is vibrated, then it send SMS message to the user's mobile phone immediately and automatically through GSM. Then, it tracks the location with longitude and latitude values through GPS. Finally, the engine gets stopped using solenoid valve. The user could easily protect and control their car anywhere at any time. The proposed system consists both hardware and software parts. The hardware components include vibration sensor, a Arduino-UNO, a GSM modem, GPS Module, Solenoid valve. The control system is based on the Arduino microcontroller.

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A NOVEL METHOD OF DEMAND CONTROL USING ZIGBEE

K.R. GokulAnand[1] , S.Monisha[2] , R.Mounika[3], R.Renuka[4] , S.Manimekalai[5]

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PAPER ID: IC17EC038

Abstract:

The power cuts are becoming more and more frequent. As the power supply is playing a major role in day by day activity of mankind this problem should be addressed. Mostly, the demand for power causes due to overconsumption of power. So this should be balanced. We are trying to balance the overconsumption of it in our work. Here, it can be done by avoiding over consumption of power by the consumers during peak hours. During peak hours, the consumer should be suggested with less consumption of energy which allows all to access it. Whenever demand occurs for energy in Electricity Board, it will be predicted priorly and our saving measure will be taken. It will be implemented by informing the consumersto reduce the power consumption through RF Module using zigbee and it will be displayed on LCD. After getting the message, the consumer has to reduce his consumption, otherwise the load will be made cut off until the load get balanced. If the power utilization has been balanced then the supply will be made lenient.

KEYWORDS: Liquid crystal display(LCD), Zigbee, Radio Frequency(RF).

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CYBERNETICS FOR PATIENT MONITORINGHEALTH CARING AND SECURITY SYSTEM IN HOSPITAL

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PAPERID:IC17EC005

ABSTRACT:

In last 5 decades 30000 babies stolen from their parents in hospital, so we have taken a necessary action using advanced technology. A smart infant monitoring system based on RF is proposed in this paper to reduce the potential risks. So we have to use embedded technique to find who stole the babies and the risks of these methods of glucose monitoring , heart beat level and injection a are related to potential erroneous measurements, increased risk of infection, and a significant excess workload. So automated blood glucose, heart beat level and injection timing alert for monitoring of critically ill patients is needed to improve patient care. Then extended by adding the door lock for the (hospital staff or patients relatives) authorized person can only enter the room. In order to prevent such situation in patients, RFID based infant monitoring system and glucose, heartbeat level and injection alert can help. By organizing and synchronizing technologies like Radio frequency Identification and GSM.

KEYWORDS: GSM Modem, Microcontroller, IR Sensor, Heart Beat Sensor, Relay, RFID Tag.

INTELLIGENCE SURVEILLANCE SYSTEM USING MSP430

S.Thirumurugan,Dept of ece,ksriet S.Snehapriya, Dept of ece, ksriet, V.Nethra, Dept of ece, ksriet, T.Sugapriya,Dept of ece, ksriet.
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GUIDED BY: Mr.T.MARTHANDAN, M.E., Assistant Professor,Dept of ECE,KSRIET.

PAPERID:IC17EC006

Abstract

In recent days traditional CCTV surveillance system recording continuously so it takes huge memory space and power wastage when there is no object in monitoring area. In addition the CCTV surveillance continuously recording means it time consuming for a human to review the stored video. All these limit the effectiveness of traditional CCTV surveillance. The proposed system provides the solution of these problems recording if only object movements in monitoring area that is image that contain motion in the scene. So in order to detection of obstacle in coverage area and it will be activated camera module to record the moving object. So we proposed to develop a surveillance system which is power management reduced memory space. No need to continuous recording and it is less time consuming for a human to review the stored video. This can be done with the MSP430, microwave motion sensor and camera. This technology provides an excellent solution for saving power and less memory space when compared to the existing system.

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BMI AUTOMATION USING ATMEGA328

A.K.Priyanka,M.NandhiniS.Roobini, M.Subhashini,
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PAPERID: IC17EC037

ABSTRACT:

The aim of the project was to design a BMI automation using ATmega328, which calculates the body mass index using the two basic parameters that are weight and height. The hardware of the project consists of a load cell or a weighing mechanism, which is used to calculate the body weight of a person, and a built in height calculating mechanism, which is used to calculate the height of a person. The weight of a person is calculated in kilograms and the height of a person in meters in accordance of the BMI standard formula. The BMI automation using ATmega328 is a useful device when it comes to controlling your weight and maintaining a healthy life style. The calculated weight of a person through load cell, converts the mechanical force into electrical signals that can be easily obtain after processing through. While the height of a person is calculated by the ultrasound sensor with built-in transmit and receiver circuitry as when it transits the ultrasound signal by transmitter, it reflect back to the receiver after striking the object or person and height is then calculated by multiplying the speed of the ultrasound signal and the time taken by it to return back to the sensor. All this data is manipulated through and then the result is displayed on the LCD display.

KEYWORDS: Load cell; Ultrasonic sensor; -Uno; LCD

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IOT BASED AUTOMATIC HEALTH MONITORING SYSTEM USING WEARABLE TECHNOLOGY

K.SHRIYATHAVI, S.PRIYAHARSHINI, K.THENMOZHI, S.VINOTHINI
Final year-ECE, K.S.R COLLEGE OF TIRUCHENGODE.

PAPERID:IC17EC035

ABSTRACT: Advances in information and communication technologies have led to the emergence of Internet of Things (IoT). In the modern health care environment, the usage of IoT technologies brings convenience of physicians and patients, since they are applied to various medical areas (such as real-time monitoring, patient information management, and healthcare management). The body sensor network (BSN) technology is ENGINEERING one of the core technologies of IoT developments in healthcare system, where a patient can be monitored using a collection of tiny-powered and lightweight wireless sensor nodes. However, the development of this new technology in healthcare applications without considering security makes patient privacy vulnerable. In this paper, at first, we highlight the major security requirements in BSN-based modern healthcare system. Subsequently, we propose a secure IoT-based healthcare system using BSN, called BSN-Care, which can efficiently accomplish those requirement.

SMART LPG CYLINDER USING IOT

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PAPERID: IC17EC036

Abstract—The design of a wireless LPG leakage monitoring system is proposed for home safety. The major cause for fire accident is LPG which accounts for 30-35 percent. At present, LPG gas used in home, car, in the storage tank or service stations. But due to some reasons the LPG gas might leak from the gas cylinders, this may cause the cylinder blast, damage the house and risk of the life to the living persons in the house. The fires ignite can be occurred due to many reasons such as an electrical short circuit, etc. This system detects the leakage of the LPG and alerts the consumer by activating the buzzer and about the leak by SMS. As an emergency measure the system will turnoff the power supply from the EB line. The additional advantage of this system is that it continuously monitors the level of LPG presents in the cylinder using load cell and if the gas level reaches below threshold limit of gas around 2kg so that the user can replace the old cylinder with new in time and automatically books the cylinder using a Wi-Fi module. This security system ensures safety and prevents explosion due to gas leakage.

Keywords— Arduino Uno, MQ-2 Gas Sensor, Load cell, Wi-Fi module.

RTC BASED DIGITAL CLOCK IN 12 HOURS FORMAT USING ARDUINO AND SEVEN SEGMENT

Ms.P.S ARANY A, M.E.,

N.ASURULLA.S, SANDEEP GAUR.R,SUNDAR RAO.P,YUVARAJ.N,

KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY,

PAPERID: IC17EC039

Abstract- This project is about making a real time digital clock. The time and date is displayed in seven segment LED display. In this project we have used a seven segment LED to display the time in - (hour, minute, seconds) format. An alarm option is also added and we can set up the alarm time. Once alarm time is saved in internal EEPROM of arduinouno, it remains saved even after reset or electricity failure. We control and change the time and date using Bluetooth or Wi-Fi interconnection. Real time clocks are commonly used in computers, houses, offices and electronics device for keeping them updated with real. In this project we are showing that whether the time is AM or PM, and alarm setups. The seven segment LED is used for displaying clock and it clearly shows the time and also the light efficiency is high. Bluetooth is used for controlling and changing the time and date from a certain distance. This product is mainly designed for displaying same time in our college campus and in every class.

DESIGN AND IMPLEMENTATION OF AUTOMOBILE SNATCH USING GSM

N.VEDHA SHREES,SANTHA KUMAR.S,HANGAV.A,I.P.RUBESH.L,

DEPARTMENT OF ECE, KSRIET

Mr.P.GOVINDARAJU, M.E., (PhD).ASSISTANT PROFESSOR

PAPERID: IC17EC040

Abstract-

This system proposes the design and construction of an advanced car security system using GSM. It uses the GSM mobile communication networks to transmit alarm signal and control instruction. The control and communication between the user and the proposed system are achieved through a short message services(SMS) protocol available in the mobile phone. If the car door is illegally opened or the car is vibrated, then it send SMS message to the user's mobile phone immediately and automatically through GSM. Then, it tracks the location with longitude and latitude values through GPS. Finally, the engine gets stopped using solenoid valve. The user could easily protect and control their car anywhere at any time. The proposed system consists both hardware and software parts. The hardware components include vibration sensor, a Arduino-UNO, a GSM modem, GPS Module, Solenoid valve. The control system is based on the Arduino microcontroller.

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15 - 17 August 2016

Kuala Lumpur Convention Centre

Technical Pregramme

Paper ID : D3_S2_PSG1_4
Title : Unit Commitment Problem Solution in the Presence of Solar and Wind Power Integration by an Improved Priority List Method
Authors : Saleh AbuJarad, saleh jarad; Jasrul Jamani Jamian; Mohd Wazir Mustafa

Abstract
Unit Commitment (UC) plays a key role in power system operation and control. With the integration of the Renewable Energy Sources (RES) into the power systems, many researchers are still investigating their effects in the UC. This paper presents an improved priority list method for solving the UC with the integration of RES, solar and wind. Coherent operation of RES with the conventional thermal generator is a big challenge thus generation schedule must satisfy the demand under the system constrain and uncertain RES power output. The improved priority list solves the UC problem under the integration of RES power generation. Numerical results are stated and discussed for the effect of solar and wind power integration into the power system. The results demonstrate a significant reduction in the hourly operation cost and start-up cost as well.

Paper ID : D3_S2_PSG1_5
Title : Condition Monitoring of Transmission Line Insulators Using PMU for Smart Grid Environment
Authors : Kailasam Saranya; Muniraj Chinnusamy; P Govindaraju

Abstract
A new methodology for the detection and classification of insulator arc faults for the smart grid environment based on phasor angle measurements is presented in this study and the real time phase angle data are collected using Phasor Measurement Units (PMU). Fault detection of insulator arcing faults is based on feature extraction and frequency component analysis. The proposed methodology pertains to the identification of various stages of insulator arcing faults in transmission lines network based on frequency characteristics and synchronous phasor measurements of voltage. The methodology is evaluated for IEEE 14 standard bus system by modeling the insulator arc faults and smart grid using MATLAB/Simulink. The proposed methodology using phasor angle measurements using PMU is used for fault detection/classification of insulator arcing which further helps in efficient protection of the system and its stable operation. In addition, the methodology is suitable for wide area condition monitoring of smart grid rather than end to end transmission lines.

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Paper ID : D3_S2_PSG1_6
Title : Dye Solar Cell Design Parameter Optimization Using Silvaco ATHENA and ATLAS
Authors : Unan Oktiawati; Norani Muti Mohamed; Zainal Arif Burhanudin

Abstract
Dye Solar Cell (DSC) is one of the third generation solar cell. It uses nontoxic material and relatively easy to fabricate. However, its conversion efficiency still needs to be improved. In this paper, DSC is simulated using Silvaco ATHENA and ATLAS. Parameters such as TiO2 layer thickness and electrolyte concentration are investigated. Effect of TiO2 morphology and additional TiO2 passivation layer are also studied. Properties of the parameters are extracted from literatures as the input for the simulation. Validation with published experimental works by other group is also performed. Results showed that by optimizing TiO2 thickness, TiO2 composite, electrolyte concentration and TiO2 passivation layer, DSC conversion efficiency can be improved up to 4.592%.

Paper ID : D3_S2_PSG1_7
Title : Photo Energy Conversion Using Synchronous Sequential Circuit Based Diode Clamp Multilevel Inverter
Authors : Ramani Kannan; Rathinam Angamuthu; Khalid Yahia Ahmed

Abstract
In this paper proposed to control the diode clamp multilevel inverter by using a synchronous sequential circuit for photo energy conversion which is most suitable for motor drive applications. The behavior of the multilevel inverter is improved by using a synchronous sequential circuit, which gives the superior performance such as minimize the output voltage harmonics distortion of inverter, simpler structure of inverter, effortless fault identification, cost-effectiveness, low power consumption and maintain the balancing voltages on the dc link capacitors. This research paper emphasis on Photo Voltaic based five-level diode clamped multilevel inverter is validated by simulation and prototype experimental set-up.

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This is to certify that ~~Prof./Dr.~~ /Mr. /~~Ms.~~ P. GOVINDARAJU of K.S.R. INSTITUTE FOR ENGINEERING AND TECHNOLOGY has participated and presented the paper entitled 'MONITORING OF HIGH VOLTAGE TRANSMISSION LINE: A SURVEY OF WSN Simulator Tools' in 13th National Conference on Emerging Secnario in Power Engineering and Electrical Drives (eSpeed 2017) on 6, 7th April 2017 at K.S. Rangasamy College of Technology, Tiruchengode.

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This is to certify that ~~Dr.~~ /Mr. /~~Ms.~~ K. VENKATACHALAM AP/ECE of KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY has Presented a paper titled SHOCK PREVENTER USING PIC MICROCONTROLLER in National Conference on Advanced Signal Processing, Communication & Networking (ASPCN'17) Organized by Department of Electronics and Communication Engineering on 24.03.2017.

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This is to certify that Mr./Ms. Dr.P. Muruqesan
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in the National Conference on
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has presented a paper titled ANALYSIS OF HEAT TRANSFER THROUGH SOLAR WATER HEATER WITH VARIOUS INSERTS

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presented a paper titled WIND ENERGY AS A ALTERNATE SOURCE FOR POWER

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K.S.R INSTITUTE FOR ENGINEERING AND TECHNOLOGY has presented a paper titled EMISSION REDUCTION WITH SELECTIVE CATALYTIC REDUCTION IN A.D.I DIESEL ENGINE BY USING ZrO_2 & TiO_2 COATING in the MECHANICAL track International Conference on Recent Trends in Engineering a Technology'17 - ICRTET '17 held on 17th March 2K17

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Evaluation of Software Measurement Tools Based on Quality Factor

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APER ID: IC17IT007

BSTRACT---Software Engineering provides methods and tools for the construction of quality oftware with a given deadline and constant requirements change. In this work it includes the easurement of software quality factor by categorizing the requirements as per the characteristic nd the sub-characteristic mentioned in the ISO 9126 quality model an internationally recognized odel and being followed by majority of the organization around the world. The main objective s to rank the software tools by measuring the quality factor of each software tool related to the ser specified project areas requirement where rankings were assigned to the sub-characteristics ith the help of the requirements and based on the performance of the software. The process ncludes the collection and consolidation of user requirement specification, categorization of the equirements as per the characteristic and the sub-characteristic for each tool, determination of he quality factor by using a series of formulas and finally categorize and rank the software tool ased on the value of quality factor based on rating criteria mentioned in the quality model.

eywords---Software Engineering Software Quality Factor, Rating Criteria, ISO 9126 Quality actor

Experimental Investigation of Surface Roughness and Metal Removal Rate for Alluminimum (Grade 7075) in WEDM Using Optimization Technique

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APER ID: IC17IT008

BSTRACT---Wire electrical discharge machining (WEDM) is one of the best available ternative for machining of hard materials and complex contours without the residual stresses. his research work mainly focuses on the application of WEDM for machining titanium alloy ith the aid of 0.25mm diameter brass wire. The Taguchi's L9 orthogonal array concept is used r formulating the experimental layout and for optimization of various process parameters such s pulse on time, pulse off time and wire feed rate. After that signal to noise ratio can be lculated. From the results it is clear that all these parameters have a significant effect on Metal emoval Rate and Surface Roughness.

eywords: WEDM, Titanium alloy, Taguchi's method, Surface roughness, Metal Removal Rate.

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SECURE IMAGE TRANSMISSION FRAMEWORK FOR HEALTH CARE SERVICES

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ID: IC17CS035

Abstract-Medical image transmission is very important task in the telemedicine and remote health services. Authentication, confidentiality and integrity are the key issues for the secure data transmission process. The data source verification is carried out under the authentication process. Data encryption and decryption operations are carried out under the confidentiality tasks. The data integrity verification is performed to check the original data with received data values. The watermark technique integrates all the data security operations. Watermark based data authentication and integrity verification is supported to secure the medical image transmission process. The data confidentiality is ensued with the Cryptography techniques. Data encryption and decryption operations are carried out to secure the patient details. The Hybrid Algorithm (HA) integrates the watermark and Cryptography techniques. The medical image transmission is protected with the Hybrid Algorithm. The Patient Health Records (PHR) are maintained in the secret text files. The secret text file provides the details about the patient and the medical image information. The data hiding methods are applied to hide the secret text into the cover image values.the secure medical image transmission system is constructed with the data hide and Cryptography techniques. The Enhanced Hybrid Algorithm (EHA) is composed with the integration of the data hide, watermark and Cryptography techniques. The secret text is encrypted with the RSA algorithm. The encrypted secret text is hided into the medical image. The Least Significant Bit (LSB) encoding scheme is used to handle data hide/unhide operations. The watermark is used to carry the authentication and data integrity verification operations. The system is developed using Java front end and Oracle relational database environment.

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The Paper titled

Particle Swarm Optimization based Heuristics for Scheduling Travel Path of Charging Vehicle in Wireless Sensor Network

by

M. Dhurgadevi

from

KSR Institute for Engineering and Technology, India

was presented at

International Conference on Microelectronics, Communication and Computation- 2016

hosted at San Diego, USA through Virtual Participation on

24-25 September 2016

Technical Program Chair

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(FNCIC 2016)

September 16th & 17th, 2016

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This is to certify that Dr./Mr./Ms. M. DHURGADEVI , ASST. PROFESSOR K.S.R INSTITUTE FOR ENGINEERING AND TECHNOLOGY has participated/presented a paper entitled ENERGY EFFICIENT DATA MANAGEMENT TECHNIQUE IN WIRELESS SENSOR NETWORKS in the Fifth National Conference on "Intelligent Computing" (FNCIC 2016) organized by Department of Computer Science and Applications in association with ICTACT, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode held during 16-17, September, 2016.

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ted a paper titled Harmony Search Algorithm for finding the travel path of wireless

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This is to certify that Mr/Ms M. DHURGADEVI, AP/IT

of K.S.R. Institute for Engineering and Technology

has presented a paper on Implementation of Energy Efficient Routing Protocol in Wireless Sensor Networks participated in the National Conference NEXGEN TECHNOLOGIES held on 18th March 2017.

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UNOBSERVABLE SECURE ROUTING PROTOCOL FOR MANET

Ms. M DHURGA DEVI, AP / IT KSRIET
S. G. KARTHIK, P. DHINESH, V. KUMAR
Information Technology
KSRIET

PAPER ID: IC17IT021

ABSTRACT: A mobile ad-hoc network (MANET) is a self-configuring infrastructure ess network of mobile devices connected by wireless. USOR that achieves content nobservability by employing anonymous key establishment based on group signature. USOR is protect all parts of a packet's content, and it is independent of solutions on traffic pattern nobservability. And it can be used with appropriate traffic padding schemes to achieve truly ommunication unobservability. The unobservable routing protocol is then executed in two hases. First, an anonymous key establishment process is performed to construct secret session eys. Then an unobservable route discovery process is executed to find a route to the destination.

ID-based encryption (or identity-based encryption (IBE)) is an important primitive of ID-ased cryptography. As such it is a type of public-key encryption in which the public key of a ser is some unique information about the identity of the user (e.g. a user's email address). This an use the text-value of the name or domain name as a key or the physical IP address it ranslates to. Here a fully functional identity-based encryption scheme (IBE). The scheme has hosen cipher text security in the random oracle model assuming an elliptic curve variant of the omputational Di±e- Hellman problem. Our system is based on the Weil pairing.

Privacy-preserving routing is crucial for some ad hoc networks that require stronger privacy rotection. To define stronger privacy requirements regarding privacy-preserving routing in obile ad hoc networks is an essential one. Here propose an unobservable secure routing scheme sor to offer complete unlinkability and content unobservability for all types of packets. Usor is fficient as it uses a novel combination of group signature and id-based encryption for route iscovery. Security analysis demonstrates that usor can well protect user privacy against both side and outside attackers.

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This is to certify that Mr/~~Ms~~ ..P.S.PRAKASHKUMAR, AP/IT..... KSR INSTITUTE FOR ENGINEERING & TECHNOLOGY has presented a paper titled as..SUPPLY CHAIN..AND...RISK MANAGEMENT..IN..SOFTWARE...PROJECTS.....in the ISTE sponsored National Conference on "Innovations in Engineering and Technology" at KARPAGAM COLLEGE OF ENGINEERING held on 25th February 2017.

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EFFICIENT ENCRYPTED DATA WITH DEDUPLICATION IN CLOUD

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PAPER ID: IC17IT018

Abstract—Cloud computing offers a new way of service provision by re-arranging various resources over the Internet. The most important and popular cloud service is data storage. In order to preserve the privacy of data holders, data are often stored in cloud in an encrypted form. However, encrypted data introduce new challenges for cloud data de-duplication, which becomes crucial for big data storage and processing in cloud. Traditional de-duplication schemes cannot work on encrypted data. Existing solutions of encrypted data de-duplication suffer from security weakness. They cannot flexibly support data access control and revocation. Therefore, few of them can be readily deployed in practice. In this paper, we propose a scheme to de-duplicate encrypted data stored in cloud based on ownership challenge and proxy re-encryption. It integrates cloud data de-duplication with access control. We evaluate its performance based on extensive analysis and computer simulations. The results show the superior efficiency and effectiveness of the scheme for potential practical deployment, especially for big data de-duplication in cloud storage.

Keywords: Access control, big data, cloud computing, data de-duplication, proxy re-encryption.

IT-STUDY BOX

Mr.P.S.PRAKASH KUMAR AP / IT KSRIET
P.PREYADARSENE, M.RAMYA, R.SANGHAVI, G.SARANYA
Information Technology KSRIET

PAPER ID: IC17IT019

ABSTRACT:IT STUDY-BOX has the education purpose of intelligently searching, finding and sharing the study material. ITB is a broadly used term that covers concepts of all departments of the institutions to manage their academic relationships with faculty members and student committee. In this project faculties, who may be interested to share the material can login and uploaded. The material is based on Anna University regulation.

It is necessary to login for searching the contents for both the students and faculties. The materials can be searched by Semester-wise or using Subject code. The user can access the contents via search, view and download. It helps to gain knowledge with all the study contents during the exam preparation.

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E-CATALOGUE FOR ELECTRONIC GADGETS

Ms.M.SOUNDARIYA, AP / IT KSRIET
A. HEMASRUTHI, T. KESAVAMOORTHY, B. SANTHANAGOPALKRISNAN, S. SOWNDHARYA
Information Technology
KSRIET

PAPER ID: IC17IT020

ABSTRACT: This is one of our real time project for one of our client at Salem, who deals with all computing gadgets and electronic devices like embedded security systems, copier machines and other gadgets. It is highly difficult to store and display all of the gadgets to their customers in a single place. So, at that time when we approached them for a website project for their company, we were discussing regarding the issues in displaying the products to the customers. So, we taught of giving some solutions for them. And we planned to develop a website comprising of all of their gadgets made available for everyone's view. In the first phase of the development, we developed the individual HTML pages for displaying the products in the website. But we faced with a major issue of modification of the product, if a product is stopped from its sales from the store, it has to be removed immediately.

So, for that we have to open the server and we need to modify the product page. It will take a longer time to do modifications on the site and it resulted in a failure in the project. And we were finding some solutions for this issue in making some research on Google. At final, we found a solution for the issue. And the solution was to include a CMS (Content Management System) module to our website. There are lot of Content Management System available, we choose one of the best from them and we used for our website. As a result it reflected to be easy and reliable for modification of the products available in the website without any modifications in the website source code. That was a great achievement for us in this project. And we are still working on this project to add more features and managing SEO results and statistics regularly.

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DRIVE CLEARENCE

P. Shanmuga Priya1 Induja R2, Manickavel V3, Manikandan T4, Pavithra P5

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PAPER ID: IC17IT006

ABSTRACT--- Drive Clearance aims at creation of a meticulous idea about Drive Process and to get ready for opportunity chart to splinter time. This provides a user with some important guidelines to be done in the Interview process. Usually user search for different web sites for getting idea about the interview and for further information, what to be done after the graduation. In this project we are going to integrate it into a single website. On accessing this website, a user can go through the complete detail about career means widen view of the hurtle. The main advantage of this project is that the user can view and download all the material without internet connection. It has complete idea about Interview, Entrepreneur, Examination and Courses. This project enables the users to get their knowledge about interview preparation and some practice questions with short cuts provided in pdf document. Users need not go for internet connection to view the web page or even download the document. Our project mainly helps for students who is heading towards the placement, idea about starting own business and for higher studies.

Keywords: Solar energy, Tricycle, Dc Motor, PV cell

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