International Journal Of Advance Research, Ideas And Innovations In Technology

VOLUME 7 - ISSUE 1

IJARIIT

SPECTRUM

International Journal of Advance Research, Ideas and Innovations in Technology

January-February, 2021

79	181	79	6
PAPERS	AUTHORS	INSTITUTIONS	COUNTRIES

INSIDE THIS ISSUE

Importance of cloud services in large public or private companies for... p. 1

An investigation into arson in secondary schools in Kenya: A case... p. 6

A preliminary survey of the aquatic and terrestrial bird fauna of... p. 17

IJARIIT SPECTRUM

Spectrum is an e-magazine with the comprehensive collection of all the papers that have been published in our journal over the last two months — Volume 7, Issue 1 (January-February, 2021). This edition brings together 79 papers by 181 authors from 79 institutions. Each entry links to the abstract and the full paper.

ABOUT IJARIIT

Our motto: to promote originality in thinking, backed by sincere and honest research.

International Journal of Advance Research, Ideas and Innovations in Technology is an open-access, peer-reviewed journal. We make publishing simple and transparent, so researchers can focus on their work:

- Online submission, free of charge
- Review result usually within 2 hours
- Updates by email and WhatsApp at every step
- Track your paper online with your tracking key
- One publication fee for all authors, paid only after acceptance
- Published online within 48 hours of payment
- e-Certificate for every author



e-ISSN 2454-132X

THIS EDITION AT A GLANCE

© 2021, IJARIIT.COM All Rights Reserved

Research areas		Authors by country	
Electrical Engineering	5	India	73
Computer Science Engineering	4	Kenya	1
Civil Engineering	4	Egypt	1
Computer Science	3	United States	1
Computer Science AndEngineering	3	Oman	1
Information Technology	3	Sri Lanka	1

© 2021, IJARIIT.COM All Rights Reserved

Indexing of Volume 7 – Issue 1

S. No	Title	Page Number	Links
1.	**Importance of cloud services in large public or private companies for catering to consumer services and its day to day business needs** *Praful Rajpal Nagpure* **Dr. Sau. Kamaltai Gawai Institute of Engineering and Technology, Amravati, Maharashtra**	1-5	View Abstract Download PDF
2.	**An investigation into arson in secondary schools in Kenya: A case of Homa Bay County** *Modi Joseph Okebe, Dr. Dimo Herbert, Okemwa Peter* **University of Eldoret, Eldoret, Kenya**	6-16	View Abstract Download PDF
3.	**A preliminary survey of the aquatic and terrestrial bird fauna of Ghunghutta dam area, Ambikapur, Chhattisgarh, India** *Amit Singh Banafar, Dr. Ramesh Kumar Tamboli* **Govt. College Silphili, Surajpur, Chhattisgarh, K. Govt. Arts and Science College, Raigarh, Chhattisgarh**	17-20	View Abstract Download PDF
4.	**Ninety different social services of Sivasamy Soundararajan** *S. Soundararajan* **Center for Social Services, Pollachi, Tamilnadu**	21-24	View Abstract Download PDF
5.	**Determinants of underpricing of IPO – A case study of Indian stock market** *Janhavi Agrawal, Gaurvi Udasi, Praachi Arora, Vidhi Pabuwal* **Narsee Monjee Institute of Management Studies(NMIMS), Mumbai, Maharashtra**	25-31	View Abstract Download PDF
6.	**A novel approach to secure video steganography** *Surabhi Adak, Ashwini Sarode, Santosh Yadav, Ashish Pawar, Mrs. Jyoti Kundale, Mr. Sachin Bhopi* **Ramrao Adik Institute of Technology, Navi Mumbai, Maharashtra**	32-34	View Abstract Download PDF
7.	**A study of the three important ambient factors; color, lighting, and noise on employees in open-plan bank offices** *Shubhangi Baheti, Roshan Shetty* **Manipal University, Manipal, Karnataka**	35-41	View Abstract Download PDF

© 2021, IJARIIT.COM All Rights Reserved

S.No	Title	Page Number	Links
8.	**A multicenter, open-label, randomized, phase IV clinical study comparing the safety and effectiveness of the fixed-dose combination of trypsin, bromelain, and rutoside with standard therapy in the management of wound due tominor surgery** *Ashish Mungantiwar, Nirali Bhatt, Priyanka Shrivastava, Jitendra More* **Macleods Pharmaceuticals Ltd, Mumbai, Maharashtra**	42-48	View Abstract Download PDF
9.	**Conservation of water in landscape practices** *Shahista Bano* **Thakur School of Architecture and Planning, Mumbai, Maharashtra**	49-53	View Abstract Download PDF
10.	**Public education for rural areas in the era of digital education** *Shradha Chakravorty* **Independent Researcher**	54-57	View Abstract Download PDF
11.	**Numerical investigation on a smoke management system in an administration building's atrium** *Mohamed H. Ahmed, Mahmoud M. Kamal, Hamdy A. Abotaleb* **Faculty of Engineering - Ain Shams University, Cairo, Egypt**	58-67	View Abstract Download PDF
12.	**Fluid flow analysis of hydroelectric centrifugal turbines with a circular and square profile for treated water** *Arko Banerjee, Laxmikant Sawant* **SRM Institute of Science and Technology, Chennai, Tamil Nadu**	68-77	View Abstract Download PDF
13.	**Building a decentralized system to optimize the KYC process** *Rohit Venkatraman, Piyush Aggarwal, Ashish Jha, Dheeraj Gupta* **Amity School of Engineering and Technology, Noida, Uttar Pradesh**	78-81	View Abstract Download PDF
14.	**COVID-19: A new highway for neurodegenerative diseases** *Ruth Bright Chirayath, Amiliya Paulson* **Sankara Nethralaya, Chennai., Amrita Center for Nanosciences and Molecular Medicine, Kochi.**	82-84	View Abstract Download PDF
15.	**Proposal, testing and functioning of an android application smart prototype -SuFI to offer food conveyance** *Sachin Badave* **KLS Gogte Institute of Technology, Belgaum, Karnataka**	85-94	View Abstract Download PDF
16.	**Effect of cereals diet on the life cycle of Corcyra Cephalonia under laboratory condition in Rajnandgaon** *M. K. Chandrakar, B. S. Asati, S. Sahu* **Pt. KLS College of Horticulture and Research Station, Rajnandgaon, Chhattisgarh**	95-99	View Abstract Download PDF

© 2021, IJARIIT.COM All Rights Reserved

S.No	Title	Page Number	Links
17.	**COVID-19 prediction and analysis of spreading rate** *Sumit Rasal, Rahul Mali, Ganesh Kannor, Danish Majeed, Shubham Patil, Sunita Nandgave* **G.H. Raisoni College of Engineering and Management, Pune, Maharashtra**	100-104	View Abstract Download PDF
18.	**Enhance data hiding capacity and reduce variability using image steganography for smart grid** *Muzamil Lateef Wagay, Puneet Jain* **Adesh Institute of Engineering and Technology, Faridkot, Punjab**	105-110	View Abstract Download PDF
19.	**Hybrid the bat and particle swarm optimization for demand-side management in the smart grid** *Navdeep Singh Dhaliwal, Puneet Jain* **Adesh Institute of Engineering and Technology, Faridkot, Punjab**	111-114	View Abstract Download PDF
20.	**Design and fabrication of semi-automatic dishwasher machine** *Akash Gautam Gaurkhede, Dr. Mahendra P. Nawathe* **PRMIT and R Badnera, Maharashtra**	115-118	View Abstract Download PDF
21.	**Strength analysis of styrene-butadiene latex modified cement concrete** *Prafull Kumar Swarnkar, Abhay Srivastava* **Institute of Technology and Management, Lucknow, Uttar Pradesh, Shri Ramswaroop Memorial Group of Professional Colleges, Lucknow, Uttar Pradesh**	119-121	View Abstract Download PDF
22.	**Hybrid the artificial intelligence and swarm-based optimization algorithm for load forecasting in the smart grid** *Kuljeet Singh Sandhu, Puneet Jain* **Adesh Institute of Engineering and Technology, Faridkot, Punjab**	122-125	View Abstract Download PDF
23.	**A lightweight encryption authentication scheme using rectangle and chaotic logistic map algorithm for smart grid** *Arun Kumar, Puneet Jain* **Adesh Institute of Engineering and Technology, Faridkot, Punjab**	126-130	View Abstract Download PDF
24.	**Analysis of concrete with using human hair as fiber-reinforced** *Akshay Patel, Abhay srivastava* **Institute of Technology and Management, Lucknow, Uttar Pradesh, Shri Ramswaroop Memorial Group of Management and Professional Colleges, Lucknow Uttar Pradesh**	131-134	View Abstract Download PDF

© 2021, IJARIIT.COM All Rights Reserved

S.No	Title	Page Number	Links
25.	**In Vitro Toxicity of Bavistin (Carbendazim 50% Wp) On Sclerotium Rolfsii Sacc.** *Dr. Prashant Kumar, Dr. C. Narayana Reddy* **Laxmi Venkatesh Desai College, Raichur, Karnataka, Gulbarga University, Kalaburagi, Karnataka**	135-137	View Abstract Download PDF
26.	**Psychological Impact of Covid-19 in India** *Ayush Bhatia* **Vasant Valley School, New Delhi**	138-139	View Abstract Download PDF
27.	**Non-performing assets and their effect on the Indian economy** *Ayush Bhatia* **Vasant Valley School, Vasant Kunj, Delhi**	140-145	View Abstract Download PDF
28.	**Effects of rain on cricket and the counter measures required** *Rishab Gupta* **Independent Researcher, Faridabad, Haryana**	146-147	View Abstract Download PDF
29.	**A detailed survey and evaluation of various aspects of embedded software robustness testing** *Chiranjeevi Aradhya* **Collins Aerospace, Charlotte, North Carolina, USA**	148-153	View Abstract Download PDF
30.	**Cooperative spectrum sharing and maximization of throughput using cognitive radio** *Immaculate Rexi Jenifer P.* **Anjalai Ammal Mahalingam Engineering College, Kovilvenni, Tamil Nadu**	154-157	View Abstract Download PDF
31.	**Ultracapacitor circuit for solar E-vehicle** *Akshat Ashish Choudhury, Shriparno Dey* **SRM Institute of Science and Technology, Kattankulathur, Chennai**	158-160	View Abstract Download PDF
32.	**Crop guidance and farmer's friend** *Shrutika Kharat, Vinit Patil, Disha Walke, Mayur Patil* **Pune Institute of Computer Technology, Pune, Maharashtra**	161-163	View Abstract Download PDF
33.	**A case study: Design and assessment of 1.5kW/day rooftop solar PV system** *Upkar* **SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu**	164-166	View Abstract Download PDF
34.	**Online Medicine Donation Portal** *Sanket Rajendrakumar More, Ashutosh Nitin More, Sana Hatture* **N. K. Orchid College of Engineering and Technology, Solapur, Maharashtra**	167-169	View Abstract Download PDF

© 2021, IJARIIT.COM All Rights Reserved

S.No	Title	Page Number	Links
35.	**Analysis of authentication, authorization, and accounting server** *Ramesh Palanisamy, Sumaiyh Bani Oraba, Malak Saleh Mohammed Al-Hizami, Amira Abdullah Al-Jaafariyan* **University of Technology and Applied Sciences, Ibra, Oman**	170-172	View Abstract Download PDF
36.	**Synthesis and characterization of copper (II) complexes of some 2-hydroxy-4,5-dimethyl acetophenone substituted Hydrazones.** *Dinkar Balasaheb Gagare, Dr. Raju Patil, Dr. Rama Lokhande, Dr. Poonam Dwivedi, Dr. Ajay Deshmukh* **Jaipur National University, Jaipur, Rajasthan, Institute of Science-Mumbai, Maharashtra**	173-180	View Abstract Download PDF
37.	**Importance of town planning for the crises of pandemic** *Amazad Ali Jamadar* **MIT College of Management, Loni Kalbhor, Maharashtra**	181-184	View Abstract Download PDF
38.	**Study of bituminous mixes made with cellulose fiber** *Monikant Jhabre, Rajesh Kumar Misra* **Lakshmi Narain College of Technology Bhopal, Madhya Pradesh**	185-188	View Abstract Download PDF
39.	**Consumer trust in online spending: An Indian perspective** *Mohd Anwar, Ravinder Kaur* **Mata Gujri College, Fatehgarh Sahib, Punjab**	194-197	View Abstract Download PDF
40.	**A History of Two Cities: The Literature of Cairo and Istanbul** *Hameed Mohammed Abdulfatah* **Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra**	198-203	View Abstract Download PDF
41.	**Translating bidri craft to interiors** *Syeda Sameeha Maryam, Srishti Srivastava* **Jawaharlal Nehru Architecture and Fine Arts University, Hyderabad, Telangana**	204-211	View Abstract Download PDF
42.	**Effect of spaced learning for developing the listening skill of attention deficit hyperactive students** *Dr. Bindu Joseph* **St. Joseph College of Teacher Education for Women, Kochi, Kerala**	212-215	View Abstract Download PDF
43.	**The role of community radio stations in combating covid-19 in India** *Ritam Bhattacharya* **Jadavpur University, Kolkata, West Bengal**	216-219	View Abstract Download PDF

© 2021, IJARIIT.COM All Rights Reserved

S.No	Title	Page Number	Links
44.	**History of Tamil food of Ancient Tamils with special reference to Sangam Literature** *Dr. T.Kausalya Kumari* **Ethiraj College for Women, Chennai, Tamil Nadu**	220-222	View Abstract Download PDF
45.	**The attitude of university students towards co-curricular activity: A comparative study** *Kankana Bag, Prasanta Gayen, Sk Saha Alam, Sourav Chandra Gorain* **Sidho-Kanho-Birsha University, Purulia, West Bengal, University of Calcutta, Kolkata, West Bengal, Sponsored Teachers' Training College, Purulia, West Bengal**	223-226	View Abstract Download PDF
46.	**To what extent can moneylending practices in the informal credit market be considered economically efficient?** *Pranad* **New York University, New York City, New York, USA**	227-236	View Abstract Download PDF
47.	**A study the effect of competitive examination on student behavior using statistical methods** *Prakash S. Chougule, Suresh V. Patil, Tejaswi S. Kurane, Prasad V. Shinde, Pratiksha S. Powar* **Rajarshi Chhatrapati Shahu College, Kolhapur, Maharashtra**	237-245	View Abstract Download PDF
48.	**Automated User Experience Monitor (A.U.X.M)** *Prabhath Mannapperuma, Munasinghe T. S., Wijetunga D., Perera M. M. I., Jagath Wickramarathne* **Sri Lanka Institute of Information Technology, Colombo, Sri Lanka**	246-251	View Abstract Download PDF
49.	**Trends in domestic and foreign tourist arrivals in Kerala** *Archana K. M.* **Sree Narayana College, Alathur, Kerala**	252-256	View Abstract Download PDF
50.	**A direct digital BPSK modulator using an active balun and buffer technology** *Tanmay Padhi, Arindam Datta, Krishnan Krm* **SRM Institute of Science and Technology, Kattankulathur, Chennai**	257-262	View Abstract Download PDF
51.	**Evaluating the properties of controlled low-strength material (CLSM) using class c fly ash, GGBFS, PS sand, and quarry dust** *Javaid Aalam, Junaid Gulzar, Mohammad Tafzeel Qureshi, Asif Ahmad Ganie, Iqra Rashid* **AMC Engineering College, Bengaluru, Karnataka**	263-270	View Abstract Download PDF
52.	**Role of IoT to make a smart city** *Heena Gupta* **International School of Informatics and Management, Jaipur, Rajasthan**	271-272	View Abstract Download PDF

© 2021, IJARIIT.COM All Rights Reserved

S.No	Title	Page Number	Links
53.	**Smart centralized attendance management system** *Vaibhav Ghadiali, Jevin Jain, Meet Nandu* **Shah and Anchor Kutchhi Engineering College, Mumbai, Maharashtra**	273-277	View Abstract Download PDF
54.	**Driver assistance system based on traffic sign recognition** *Prajakta Udaram Lanje, Srishti Sunil Bankar, Siddhant Vinay Nikumbh, Pallavi Dhananjay Dadape* **SCTR'S Pune Institute of Computer Technology, Pune, Maharashtra**	278-281	View Abstract Download PDF
55.	**Studies on the compatibility of Ordinary Portland Cement with Polycarboxylate Superplasticisers** *Lelin Das, Asis Kumar K., Dinesh Kumar T.* **Dalmia Cement Research Centre, Chennai Tamilnadu**	282-286	View Abstract Download PDF
56.	**Smart traffic manager: Computer vision and deep learning-based approach** *Sahil Shaikh, Swapnil Patil, Niranjan Patil, Purushottam Kulkarni, J. K. Kamble* **SCTR'S Pune Institute of Computer Technology, Pune, Maharashtra**	287-289	View Abstract Download PDF
57.	**The changing trends in corporate culture** *Aryan Dogra* **Goswami Ganesh Dutta Sanatan Dharma College, Chandigarh**	290-291	View Abstract Download PDF
58.	**Profanity detection in social media text using a hybrid approach of NLP and machine learning** *Raktim Chatterjee, Sukanya Bhattacharya, Soumyajeet Kabi* **Guru Nanak Institute of Technology, Kolkata, West Bengal**	292-294	View Abstract Download PDF
59.	**Optimism at workplace** *S. Ramesh, Annie Valsan* **Christian Medical College, Vellore, Tamil Nadu**	295-298	View Abstract Download PDF
60.	**Review paper on scope of Atmanirbhar Bharat** *Shritish Shete, Siddhi Dave* **Priyadarshini Institute of Engineering and Technology, Nagpur, Maharashtra**	299-304	View Abstract Download PDF
61.	**Introduction to charging technology in E-vehicles** *Chaitanya Arun Patil* **Marathwada Mitra Mandal's College of Engineering, Pune, Maharashtra**	305-307	View Abstract Download PDF
62.	**Stock market price prediction using Neural Networks** *Deebak S., Dr.P.Sindhuja* **United Institute of Technology, Coimbatore, Tamil Nadu**	308-312	View Abstract Download PDF

© 2021, IJARIIT.COM All Rights Reserved

S.No	Title	Page Number	Links
63.	**To study the effect of tool pin profile on mechanical properties and micro structure of friction stir welding magnesium alloy** *Sai Krishna Praneeth Duggirala* **CVR College of Engineering, Hyderabad, Telangana**	313-321	View Abstract Download PDF
64.	**Dynamic request redirection for mining system services under Heterogeneous Distributed System** *Jyotsna Ramakant Surale* **Maharastra Institute of Technology, Aurangabad, Maharashtra**	322-325	View Abstract Download PDF
65.	**Hepatoprotective and Antioxidant activity of Acalypha Indica l. whole plant against ethanol-induced hepatic damage in male Wistar rats** *Valli Gunti* **ASN Pharmacy College, Tenali, Andhra Pradesh**	326-337	View Abstract Download PDF
66.	**Improvement of power quality by fuzzy rules using particle swarm intelligence** *Sandeep Sharma, Geena Sharma* **Baddi University Emerging Sciences and Technology, Baddi, Himachal Pradesh**	338-342	View Abstract Download PDF
67.	**Literature survey for Sahara – Systematic analysis of health-vitals in an automated real-time atmosphere** *Aishwarya Gupta, Divya P. Hathwar, Yash N. Shah, Chandana Vijayakumar, Arbind Kumar Gupta* **Dayananda Sagar College of Engineering, Bengaluru, Karnataka**	343-352	View Abstract Download PDF
68.	**IoT based smart farming system** *Neha Patil, Dr. Vaishali D. Khairnar* **Terna College of Engineering, Navi Mumbai, Maharashtra**	353-358	View Abstract Download PDF
69.	**Security in cloud computing using honey encryption** *Navneet Singh Khurana* **SAM College of Engineering and Technology, Bhopal, Madhya Pradesh**	359-364	View Abstract Download PDF
70.	**Audio detail generation of the environment in a surveillance system for blind people** *Aryan Mishra, Tejas Mutyalwar, Kaustubh Kulkarni, Diwanshu Chouragade* **Pune Institute of Computer Technology, Pune, Maharashtra**	365-367	View Abstract Download PDF
71.	**Foraging efficiency of APIs spp. in Syzygium cumini (Myrtaceae)** *Amaravathi D., Dr. M. Shankar Reddy* **Bangalore University, Bengaluru, Karnataka**	368-371	View Abstract Download PDF

© 2021, IJARIIT.COM All Rights Reserved

S.No	Title	Page Number	Links
72.	**Load Flow and Transient simulation of power system using PSSE software. A case study of interconnection for new run of river hydro power plant at Machai with national grid.** *Nageen Jalal, Muhammad Iftikhar, Mujtaba Hassan, Anjum Khalid* **UET, Peshawar, Pakistan, NED UET ,Karachi,Pakistan, NED UET,Karachi, Pakistan**	372-377	View Abstract Download PDF
73.	**Comparative study of the prevalence of thyroid disorders** *Rose Rani Minz, Dr. Manju Kumari* **Ranchi University Ranchi, Jharkhand**	378-383	View Abstract Download PDF
74.	**Online portal for study and book donation** *Nishant Kumar Singh* **SRM Institute of Science and Technology, Ghaziabad, Uttar Pradesh**	384-387	View Abstract Download PDF
75.	**IoT based traffic and street light control management for smart cities** *Monika J. Raut, Vrushali D. Jaywar, Sonali Bhoyar, Ashwini kumbhare* **J.D. College of Engineering and Management, Nagpur, Maharashtra**	388-390	View Abstract Download PDF
76.	**Automated leaf disease prediction and suggested remedies using Convolutional Neural Network (CNN) algorithm** *S. Ashwin kumar, Dr. S. Rajagopal* **National Engineering College, Kovilpatti, Tamil Nadu**	391-396	View Abstract Download PDF
77.	**A study of the implementation of e-procurement in construction material traders with special reference to South Bangalore** *Sumit Patil* **K.L.E. Society's College of Business Administration (BBA), Lingaraj College**	397-400	View Abstract Download PDF
78.	**A study of Vendor management at events with special reference to Goa** *Dinesh Kolekar* **K.L.E. Society's College of Business Administration (BBA), Lingaraj College**	401-404	View Abstract Download PDF
79.	**Stock price prediction using sentiment analysis of business domains and company-related news data** *Aditya Kadam, Akshay Hake, Pravin Salunkhe, Piyush Agrawal* **Pune Institute of Computer Technology, Pune, Maharashtra**	405-407	View Abstract Download PDF

© 2021, IJARIIT.COM All Rights Reserved

ABSTRACTS

1 Importance of cloud services in large public or private companies for catering to consumer services and its day to day business needs

Paper ID V7I1-1137 · Pages 1-5 · Computer Engineering

Praful Rajpal Nagpure, Student, Dr. Sau. Kamaltai Gawai Institute of Engineering and Technology, Amravati, Maharashtra

Presently several in-house built IT applications hosted at Datacentre (DC)-Disaster Recovery (DR) is being used for fulfilling business requirements of public/private companies including online consumer services. Applications with databases like Sybase, Oracle, and MS SQL are hosted either on physical or virtual machines (having operating systems Windows, Linux, HP-UX, AIX). Critical Applications hosted at DC & DR are Mobile apps, Online Cash Collection System, Centralized Billing system, HANA (Dashboards), etc. The security & confidentiality of the data & information should be maintained under the framework of ISO.So cloud computing and services are important

Keywords: Cloud Computing, Cloud Services, Scalability, Accessibility

Read Full Paper · Download PDF · Back to index

---

2 An investigation into arson in secondary schools in Kenya: A case of Homa Bay County

Paper ID V7I1-1146 · Pages 6-16 · Technology Education

Modi Joseph Okebe, Research Scholar, University of Eldoret, Eldoret, Kenya
Dr. Dimo Herbert, Lecturer/supervisor, University of Eldoret, Eldoret, Kenya
Okemwa Peter, Lecturer/Supervisor, University of Eldoret, Eldoret, Kenya

Fire, if controlled, is a very important object in the school community, it is used in many areas in school organization; kitchen e.g.cooking food for students, labs e.g. bunsen burner, and in instructions' workshops e.g.Fire baths for forging, soldering and welding and burning of rubbish; generally controlled fire help in the learning of students while uncontrolled fire is very dangerous and has its effects. The study surveyed the effects of fire in schools that lead to solutions. Surveys of causes of school arsons will help the community, the school management, and the Ministry of Education get solutions to schools' burning. The purpose of the study was to find out the causes of fire and remedies. The study sought to establish the following objective to make known the probable causes of fire and to open a way for the opportunity to study fires in related academic discipline. The study was conducted in four, randomly selected; public secondary schools in Homa Bay County, that were affected by the fire and four secondary schools that never had a fire problem. The study used a survey research design. The study population was principals, teachers, students, and watchmen in those secondary schools. The interview was given at random, selection for a principal, 23 teachers, 47 selected students, and 2 watchmen in each of the 8 secondary schools randomly selected in Homa Bay County. Questionnaires were given to the rest respondents. Survey research was used to analyze data. Findings and

© 2021, IJARIIT.COM All Rights Reserved

recommendations will assist Educational stakeholders in Kenya such as the Ministry of Education, the Kenya Institute of Curriculum Development, curriculum developers, and teachers. The study discovered ways of controlling fires, show the importance of fires, and the open way forward to study fire as one of the safety regulations especially in sciences and Engineering. The knowledge will differentiate and categorize the kind of status of school fires.

Keywords: Education, Fire, Respondents

Read Full Paper · Download PDF · Back to index

---

3 A preliminary survey of the aquatic and terrestrial bird fauna of Ghunghutta dam area, Ambikapur, Chhattisgarh, India

Paper ID V7I1-1141 · Pages 17-20 · Animal Biodiversity

Amit Singh Banafar, Assistant Professor, Govt. College Silphili, Surajpur, Chhattisgarh
Dr. Ramesh Kumar Tamboli, Assistant Professor, K. Govt. Arts and Science College, Raigarh, Chhattisgarh

The survey of Avian fauna around Ghunghutta dam Ambilkapur was conducted from Jun 2018 to November 2019. Three different habitats were selected for bird watching. Direct counting method and visual counting method used for data collection. During this survey 61 birds were species listed, 38 were terrestrial and 23 were aquatic. It was observed the family Passeriformes was dominant with 28 species and Pelecaniformes was the second dominant group with 07 species. Black-hooded Oriolus riolusxanthornus), Tricoloured munia, (Lonchuramalacca), Wolly necked stork (Ciconia episcopus), Glossy ibis (Plegadisfalcinellus), Red-naped ibis (Pseudibispapillosa), Red-wattled lapwing (Vanellus indicus), and Common kingfisher (Acedoattithis) were rare in the study area.

Keywords: Bird fauna, Ghunghutta Dam, Dam Area

Read Full Paper · Download PDF · Back to index

---

4 Ninety different social services of Sivasamy Soundararajan

Paper ID V7I1-1144 · Pages 21-24 · Sociology - Social Services

S. Soundararajan, Center for Social Services, Pollachi, Tamilnadu

My home place is a small village in Tamil Nadu State, Coimbatore District, and Pollachi Taluk. The local administration of the Kanjampatti Panchayat Board contains four villages, namely, Kanjampatti, K.Nagoor, Ammegoundanur, and Nambiamuthur. There were no bank facilities until 1987. I wrote to the then Prime Minister of India and the Honorable Prime Minister ordered to open a bank branch directing the Reserve Bank of India at Kanjampatti. The bank is serving the mass of the surrounding area very well. When the bank was opened in 1987, he accompanied the bank manager to going door to door and canvassed for the SB account and also creating awareness about savings for them

Keywords: Social Services, Primary Health Center, Elementary School

Read Full Paper · Download PDF · Back to index

© 2021, IJARIIT.COM All Rights Reserved

5 Determinants of underpricing of IPO – A case study of Indian stock market

Paper ID V7I1-1142 · Pages 25-31 · Finance

Janhavi Agrawal, Student, Narsee Monjee Institute of Management Studies(NMIMS), Mumbai, Maharashtra
Gaurvi Udasi, Student, Narsee Monjee Institute of Management Studies(NMIMS), Mumbai, Maharashtra
Praachi Arora, Student, Narsee Monjee Institute of Management Studies(NMIMS), Mumbai, Maharashtra
Vidhi Pabuwal, Student, Narsee Monjee Institute of Management Studies(NMIMS), Mumbai, Maharashtra

The study aims to investigate the reasons for underpricing of IPO by analyzing the impact of various factors like Issue Size, Stockholder Ownership Structure, and Underwriter Reputation on the Under-pricing of IPOs. The target market chosen was all the IPOs issued In the Indian Stock Market from the Year 2010 to 2019 i.e., 219 Companies, which included 88 Underpriced IPOs and 131 Overpriced IPOs. Initially, exploratory research was undertaken to probe deeper into the topic. After conducting the exploring research, causal research was finalized as the most suitable method to go ahead with. We analyzed the data using tools like Correlation and Regression on various software i.e., Excel and SAS (Enterprise Guide). We concluded the Research by stating a Negligible Positive Relationship of Under-pricing of IPO with Issue Size and a Strong Positive Relationship with QIB and HNI Ownership and a negative Relationship with Retail Investors and Reputation of Underwriters.

Keywords: IPO, Under-Pricing, Underwriters' Reputation, Issue Size, Stockholders Ownership Structure

Read Full Paper · Download PDF · Back to index

---

6 A novel approach to secure video steganography

Paper ID V7I1-1140 · Pages 32-34 · Computer Science

Surabhi Adak, Student, Ramrao Adik Institute of Technology, Navi Mumbai, Maharashtra
Ashwini Sarode, student, Ramrao Adik Institute of Technology, Navi Mumbai, Maharashtra
Santosh Yadav, Student, Ramrao Adik Institute of Technology, Navi Mumbai, Maharashtra
Ashish Pawar, Student, Ramrao Adik Institute of Technology, Navi Mumbai, Maharashtra
Mrs. Jyoti Kundale, Professor, Ramrao Adik Institute of Technology, Navi Mumbai, Maharashtra
Mr. Sachin Bhopi, Professor, Ramrao Adik Institute of Technology, Navi Mumbai, Maharashtra

The rapid development of data communication in the modern era demands a secure exchange of information. Steganography is the technique of data hiding. Thus, video steganography means hiding data inside a video file. Existing systems work on the LSB technique and has a defined format in which data is stored and can be easily guessed by the intruder. The proposed method is based on the Pixel Value Extraction of RGB model which uses Bit insertion technique to insert the text within the Video file. Usually, the hackers focus on LSB bits for secret data extraction but the proposed technique utilizes the MSB bits that make it more secure from unauthorized access. This system focuses on the data security approach when combined with encryption and steganographic techniques for secret communication by hiding it inside the video.

Keywords: Steganography, Encryption, LSB Technique, RGB Model, Pixel Value Extraction

Read Full Paper · Download PDF · Back to index

© 2021, IJARIIT.COM All Rights Reserved

7 A study of the three important ambient factors; color, lighting, and noise on employees in open-plan bank offices

Paper ID V7I1-1147 · Pages 35-41 · Architecture

Shubhangi Baheti, Student, Manipal University, Manipal, Karnataka
Roshan Shetty, Professor, Manipal University, Manipal, Karnataka

In the ever-competitive world today, offices want to get the maximum work output and productivity from their employees that allow them to perceive their ambiances in a way that gets reflected in the work they produce. This in turn helps in solving and figuring out the architectural areas that can be made different or altered to enhance the quality of workspaces in which they thrive. This paper uses four main works of literature and already established models of Bitner, Vietch and Newsham, Sundstrom and Evans, and John's stress and noise theory; considering the factors that have been regarded and hence helped derive the basic parameters to be studied, observed, and taken employee perceptions of. These have then been analyzed and developed into design guidelines in order to change work environments.

Keywords: Ambient, Color, Noise, Lighting, Employee

Read Full Paper · Download PDF · Back to index

8 A multicenter, open-label, randomized, phase IV clinical study comparing the safety and effectiveness of the fixed-dose combination of trypsin, bromelain, and rutoside with standard therapy in the management of wound due to minor surgery

Paper ID V7I1-1154 · Pages 42-48 · Medicine And Pharmacy

Ashish Mungantiwar, Doctrate Degree Holder, Macleods Pharmaceuticals Ltd, Mumbai, Maharashtra
Nirali Bhatt, Manager, Macleods Pharmaceuticals Ltd, Mumbai, Maharashtra
Priyanka Shrivastava, Clinical Team Leader, Macleods Pharmaceuticals Ltd, Mumbai, Maharashtra
Jitendra More, Clinical Team Leader, Macleods Pharmaceuticals Ltd, Mumbai, Maharashtra

Wound healing is a complex process consisting of steps–hemostasis, inflammation, proliferation, and remodeling. The purpose of this multicenter, open-label, randomized, active-controlled, prospective, two-arm, phase IV clinical study was to evaluate and compare the safety, tolerability, and efficacy of fixed-dose combination (FDC) enteric-coated tablets of trypsin 96 mg + bromelain 180 mg + rutoside trihydrate 200 mg–Enzomac Forte with the enteric-coated tablets of trypsin-chymotrypsin 100000 AU–marketed formulation in the complex wound healing process. An open-label, randomized, parallel, active-controlled, two-arm, phase IV clinical study was conducted at 13 centers in India from December 02, 2017, to May 04, 2019. Adult patients aged 18-65 years (both inclusive) fulfilling the eligibility criteria were included. These patients were randomized into two treatment groups–FDC versus trypsin-chymotrypsin. Adverse events (AEs) and serious adverse events (SAEs) were recorded to evaluate and compare the safety and tolerability. The efficacy of both the treatment in the management of wound healing was noted and compared. AEs were reported in five patients; no SAEs were reported. No clinically significant differences in the occurrence of AEs were found; thus, both the treatments were safe and tolerable. The wound regeneration efficacy on day 10±2 was significantly higher with FDC as

© 2021, IJARIIT.COM All Rights Reserved

compared to trypsin-chymotrypsin. A significantly high improvement of total BWAT score with FDC as compared to trypsin-chymotrypsin was observed. FDC used by the authors in this study was found to be equally safe and tolerable and more effective than the marketed formulation used for wound healing after a minor surgical procedure.

Keywords: Bromelain, Chymotrypsin, Healing, Ruto Side, Trypsin, Wound

Read Full Paper · Download PDF · Back to index

---

9 Conservation of water in landscape practices

Paper ID V7I1-1162 · Pages 49-53 · Architecture

Shahista Bano, Assistant Professor, Thakur School of Architecture and Planning, Mumbai, Maharashtra

Conservation of water in landscape practices Abstract Water is a scarce resource and it's quite relevant in India. However, a well designed, water-efficient landscape style should be thought of no matter the location. A water-conscious, sustainable landscape is definitely accomplishable through straight forward measures. Regenerative landscape design is the integration of ecological, social, cultural, and economic factors in coming up with better planning that helps to shield environs, contribute to stormwater management, conserve water, etc. Sustainability always comes in with the conservation of resources. Sustainability and conservation landscaping both work with nature to increase water quality, lower water consumption, utilize native plants. The options for selecting native and drought-tolerant plants far exceed cacti and succulents. Sustainability emphasizes addressing social and economic factors in addition to environmental factors whereas Conservation addresses the part of the environmental benefits. The paper talks about issues, measures, and agendas to create a landscape that is for the future incorporating the necessity and self-sustaining ability of a landform. With water scarcity, we need to ask ourselves if we need a vast lawn considering the benefits of keeping water consumption low. Using resources wisely and designing your landscape with strategically applied water is a need of the hour. ''The environment and the economy are the two sides of the same coin. If we cannot sustain the environment we cannot sustain our self''. Water is a scarce resource and it's quite relevant in India. However, a well designed, water-efficient landscape style should be thought of no matter the location. Water conscious, sustainable landscape is definitely accomplishable through straightforward measures. Regenerative landscape design is the integration of ecological, social, cultural, and economic factors in coming up with better planning that helps to shield environs, contribute to stormwater management, conserve water, etc. Sustainability always comes in with the conservation of resources. Sustainability and conservation landscaping both work with nature to increase water quality, lower water consumption, utilize native plants. The options for selecting native and drought-tolerant plants far exceed cacti and succulents. Sustainability emphasizes addressing social and economic factors in addition to environmental factors whereas Conservation addresses the part of the environmental benefits. The paper talks about issues, measures, and agendas to create a landscape that is for the future incorporating the necessity and self-sustaining ability of a landform. With water scarcity, we need to ask ourselves if we need a vast lawn considering the benefits of keeping water consumption low. Using resources wisely and designing your landscape with strategically applied water is a need of the hour. ''The environment and the economy are the two sides of the same coin. If we cannot sustain the environment we cannot sustain our self''.

Keywords: Landscape Planning, Sustainability, Water Conscious, Conservation, Environment, Landform, Native Plants, Storm

© 2021, IJARIIT.COM All Rights Reserved

Water, Social, Ecological, Water Runoff, Surface Water Runoff, Landscape Design

Read Full Paper · Download PDF · Back to index

---

10 Public education for rural areas in the era of digital education

Paper ID V7I1-1168 · Pages 54-57 · Education

Shradha Chakravorty, Independent Researcher

In the months following the national lockdown in India, a large amount of relief and recovery programs were released that were directed towards economic reconstruction. The education sector made multiple strides as well but there have been certain gaps that have not yet taken this attempt, despite the 250 billion dollar investment plan of India's central government. The lockdown impacted the day to day operations of schools, including the closure of a community daycare facility for the urban and rural communities which further resulted in schooling and health-related impacts. It has been suggested that the effect on girls and children from already deprived racial and caste backgrounds is likely to get even more severe. Strategies at various levels are still being explored to enhance and reinforce the current social insurance systems and boost their impacts. Despite the various efforts and initiatives introduced by the government, there is a failure in the public education system during such crisis scenarios. Will the collective efforts of the government, NGOs, and civil society organizations help in introducing digital initiatives to meet the initial challenges and help in making learning more engaging and interesting. Also, keeping in mind this current pandemic wherein most of the private schools took their classes online, it is important that such measures are taken for the rural and underprivileged children who might not be able to afford the requisite tools and gadgets for e-learning. It is important for the government to ensure that they are not despised for their basic education and there is always an alternative during major crises.

Keywords: Rural Areas, Digital Education, Digital Learning, Covid-19

Read Full Paper · Download PDF · Back to index

---

11 Numerical investigation on a smoke management system in an administration building’s atrium

Paper ID V7I1-1169 · Pages 58-67 · Cfd Of Smoke Management System

Mohamed H. Ahmed, Student, Faculty of Engineering - Ain Shams University, Cairo, Egypt
Mahmoud M. Kamal, Professor, Faculty of Engineering - Ain Shams University, Cairo, Egypt
Hamdy A. Abotaleb, Professor, Faculty of Engineering - Ain Shams University, Cairo, Egypt

Smoke is considered the major reason for killing a lot of people in case of a building fire because of the reduction of visibility and asphyxiation fatalities that occurred in the smoke event. The present research illustrates a numerical simulation on smoke propagation and smoke control for the atrium in an administration building and investigates the effect of exhausting smoke by multi-point extraction through rooftop exhaust fans on smoke layer height inside the atrium. ANSYS-FLUENT solver is used to solving two-dimensional Reynolds-averaged Navier-Stokes equations (RANS) combined with K-ε Realizable turbulence model for different study cases in an atrium. The two-dimensional rectangular plan that is located at the center of the atrium is

© 2021, IJARIIT.COM All Rights Reserved

simulated with the dimensions of 25m width and 20m height using T-squared fire with the maximum heat release rate of 5 MW for 180 seconds. All parameters are predicted at vertical levels of 2, 13 and 17 m height from the ground floor. Results show that exhausting the smoke through rooftop exhaust fans maintains the smoke layer at a higher level from the ground and has a better effect on tenability conditions at the human level, increasing makeup air inlets levels adversely affect smoke layer height which reduces visibility at a human level. Finally, the spacing between extract fans outlet is considered a major factor that should be optimized in order to avoid the plug-holing phenomena.

Keywords: CFD, Atrium, Smoke Propagation, Visibility, Heat Release

Read Full Paper · Download PDF · Back to index

---

12 Fluid flow analysis of hydroelectric centrifugal turbines with a circular and square profile for treated water

Paper ID V7I1-1183 · Pages 68-77 · Fluid Dynamics

Arko Banerjee, Student, SRM Institute of Science and Technology, Chennai, Tamil Nadu
Laxmikant Sawant, Student, SRM Institute of Science and Technology, Chennai, Tamil Nadu

In this paper, we have discussed the practicality and feasibility of implementing hydroelectric centrifugal turbine systems with different entry profiles. This paper discusses the technical and economic feasibility of the two profiles of the hydroelectric turbine system. The paper analyses the velocity at input and output openings, the pressure exerted by the fluid on the turbine surface, and the temperature of the surface of circular and square profile respectively. The results will be further explained. Hydroelectric turbine systems can be used to meet the high demands of electricity; thus, such analysis is mandatory to attain maximum efficiency. This research paper highlights some of the advantages and disadvantages of a circular and a square profile for electricity generation. The research paper exhibits a Computational Fluid Dynamics (CFD) of a fluid flow through a hydro turbine using flow simulations for the two profiles for given flow rates. CFD is an important tool to determine such conditions using numerical analysis and data structures for fluid flow. An extensive study is conducted as well as numerical studies on a spiral case Francis turbine with a circular and square profile are conducted successfully. The prototype models were prepared on Solid works 2019. We have undertaken a three-dimensional steady simulation using the “flow simulation” feature of Solid works 2019 in order to compute the average flow features as well as inspect the all-round turbine performance.

Keywords: Hydroelectric Centrifugal Turbine, CFD, Solid works, Flow simulation.

Read Full Paper · Download PDF · Back to index

© 2021, IJARIIT.COM All Rights Reserved

13 Building a decentralized system to optimize the KYC process

Paper ID V7I1-1151 · Pages 78-81 · Computer Science Engineering

Rohit Venkatraman, Student, Amity School of Engineering and Technology, Noida, Uttar Pradesh
Piyush Aggarwal, Student, Amity School of Engineering and Technology, Noida, Uttar Pradesh
Ashish Jha, Student, Amity School of Engineering and Technology, Noida, Uttar Pradesh
Dheeraj Gupta, Student, Amity School of Engineering and Technology, Noida, Uttar Pradesh

This paper aims to develop a reputation-based, decentralized system using Blockchain to optimize the KYC process. The system will aim to optimize the core know-your-customer (KYC) verification process for financial corporations and improve the customer experience by reducing costs and increasing transparency of the data shared. The current KYC process costs more than $500 million for banks, most of which is spent to secure the customer's personal data. In the proposed system, the KYC verification process will only be conducted once for each customer by a validator in the Blockchain, regardless of the number of financial corporations with which that customer intends to work. Owing to Blockchain, the core KYC verification result can be securely shared by the customers with all the financial corporations that they intend to work with. This process produces a gain in efficiency, reduces cost, improves customer experience, and increases transparency throughout onboarding a customer for the financial corporation.

Keywords: Blockchain, Proof-of-Reputation, Decentralized Ledger, KYC

Read Full Paper · Download PDF · Back to index

---

14 COVID-19: A new highway for neurodegenerative diseases

Paper ID V7I1-1174 · Pages 82-84 · Molecular Medicine

Ruth Bright Chirayath, Research Scholar, Sankara Nethralaya, Chennai.
Amiliya Paulson, Graduate student, Amrita Center for Nanosciences and Molecular Medicine, Kochi.

It is not very often seen that a pandemic leading towards an epidemic, but here we are discussing how COVID-19 has the potential to trigger neurological disorders. Fascinating evidence demonstrated that COVID-19 infection is capable of modifying the spectrum of the clinical firm where neurological diseases are manifested due to the infection and also are responsible for the development of long-termed diseases. In this review, we will study how there is a latent relationship between COVID-19 and neurological disorders like Parkinson's disease (PD), Alzheimer's (AD), and multiple sclerosis (MS). Specifically, in multiple sclerosis more than age, neuroimmunology related factors influence the cause of this disease. Various studies have shown an association between neurological disorders and COVID-19. The important viewpoint here is to understand the SARS-CoV-2 causing infection which leads to the development of COVID-19 affecting neuro balance.

Keywords: Covid-19, Neurological Disorders, Alzheimer's Disorder, Parkinson Disease, Sars-Cov-2, After-Effects of Covid-19

Read Full Paper · Download PDF · Back to index

© 2021, IJARIIT.COM All Rights Reserved

15 Proposal, testing and functioning of an android application smart prototype - SuFI to offer food conveyance

Paper ID V7I1-1184 · Pages 85-94 · Electronics And Communication Engineering

Sachin Badave, Student, KLS Gogte Institute of Technology, Belgaum, Karnataka

According to the survey made in India, there is no platform that provides the feature providing food 24/7 from mess/food stalls/homemakers. The main idea behind the project is to deliver food 24/7 ranging from roadside food stalls to five-star hotels to the customers. This also includes the feature of providing employment to home food makers and also to the delivery person. In India, it has been seen that in many of the functions and parties the remaining food goes to the dustbin, and parallelly lakhs of people are dying because of undernourishment. So to overcome this situation another salient feature got added in this project ie Leftover Food Management – Providing leftover food parties and functions to the needy people to avoid undernourishment. As a solution, an android application Sufi is developed.

Keywords: Database, Server, Pure Java code, Android code

Read Full Paper · Download PDF · Back to index

---

16 Effect of cereals diet on the life cycle of Corcyra Cephalonia under laboratory condition in Rajnandgaon

Paper ID V7I1-1159 · Pages 95-99 · Agriculture- Biocontrol

M. K. Chandrakar, Assistant Professor, Pt. KLS College of Horticulture and Research Station, Rajnandgaon, Chhattisgarh
B. S. Asati, Assistant Professor, Pt. KLS College of Horticulture and Research Station, Rajnandgaon, Chhattisgarh
S. Sahu, Assistant Professor, Pt. KLS College of Horticulture and Research Station, Rajnandgaon, Chhattisgarh

An experiment was conducted from December 2018 to March 2019 in the Biological Control laboratory, CHRS, Rajnandgaon at 26 ± 1ºC, RH 60 ± 10%. The studies on the life cycle of C. cephalonica reared on different cereals diets were observed in the terms of fecundity, Incubation period, larval period, pupal period, longevity, total life cycle, and morphological measurement of full-grown larvae. The results observed that the diet media sweet corn (100%) was the best media for mass production of C. cephalonica due to their short incubation period, short larval period, short pupal period, short male and female longevity, and short male and female total life cycle with 4.73, 24.20, 8.27, (3.00 and 4.67) and (40.20 and 41.87) days and followed by the second-best and cheapest diet media maize (100%) with 5.20, 32.00, 8.53,(3.07 and 5.33) and (48.80 and 51.06) days, respectively. High fecundity (255.60 no. of eggs/female), maximum larval length (12.75 mm), and weight (26.07 mg) was observed in sweet corn (100%) followed by maize (100%) with fecundity 250 no. of eggs/female, 12.15 mm larval length and 21.93 mg larval weight.

Keywords: Corcyra, Rice, Wheat, and Maize

Read Full Paper · Download PDF · Back to index

© 2021, IJARIIT.COM All Rights Reserved

17 COVID-19 prediction and analysis of spreading rate

Paper ID V7I1-1170 · Pages 100-104 · Machine Learinig

Sumit Rasal, Student, G.H. Raisoni College of Engineering and Management, Pune, Maharashtra
Rahul Mali, Student, G.H. Raisoni College of Engineering and Management, Pune, Maharashtra
Ganesh Kannor, Student, G.H. Raisoni College of Engineering and Management, Pune, Maharashtra
Danish Majeed, Student, G.H. Raisoni College of Engineering and Management, Pune, Maharashtra
Shubham Patil, Student, G.H. Raisoni College of Engineering and Management, Pune, Maharashtra
Sunita Nandgave, Professor, G.H. Raisoni College of Engineering and Management, Pune, Maharashtra

Covid-19 Disease started at the End of 2019 in china Wuhan city and Then spread in the whole world within three to four-month. The Coronavirus Disease-2019 (COVID-19) badly impacts the health and well-being of the Indians and the global population. The number of positive cases of Covid-19 on a daily basis is increasing and it's created a lot of stress on governing bodies across the globe and they are finding it difficult to tackle the situation so they can handle the situation effectively. For solving this problem. We developed a COVID-19 Prediction And Analysis Of Spreading Rate system for every state and union territory of India. The purpose of the prediction model is to forecast the count of new cases likely to arise for successive 5 days using RNN and LSTM machine learning algorithms. A set of models for predicting the rise in new cases, having an average accuracy of 87.9% some time it will go above 90%. It was developed for every state and union territory of India. The highest accuracy of 93.93% was achieved for some states because of the availability of sufficient Data. For Eg. Maharashtra, Delhi. A data-driven approach with higher accuracy as here are often very useful for a proactive response from the govt and citizens. Through this project. we want to achieve our goal. Like 1.Analyzing the Spreading rate 2.Analyzing the recovery rate and mortality rate.3.Predicting future spreading rate for next 5 successive day.

Keywords: COVID-19, RNN, and LSTM Algorithm, Machine Learning, Deep Learning.

Read Full Paper · Download PDF · Back to index

---

18 Enhance data hiding capacity and reduce variability using image steganography for smart grid

Paper ID V7I1-1180 · Pages 105-110 · Electrical Engineering

Muzamil Lateef Wagay, Research Scholar, Adesh Institute of Engineering and Technology, Faridkot, Punjab
Puneet Jain, Assistant Professor, Adesh Institute of Engineering and Technology, Faridkot, Punjab

In the Smart Grid (SG) network, the sensitive data is communicated over the network and it prone to attacks. In order to overcome these attacks, security algorithms like cryptography and steganography are used. Steganography algorithms provide imperceptibility by hiding the secret data in the cover image whereas cryptography algorithms scramble the data using a private key and scramble data gives attention to the attacker. In steganography, the Least Significant Bit (LSB) is the most preferred data hiding algorithm. In the LSB algorithm, the data is split into 1-bit chunks and hide in the cover image LSB bit. The LSB algorithm provides less variability with less embedding capacity. In this paper, we have designed an algorithm that provides better embedding capacity and lesser variability. Initially, the cover pixel read is read and its intermediate bits 5th and 6th are taken as a reference to hiding k-bits of data using the LSB algorithm. The

© 2021, IJARIIT.COM All Rights Reserved

benefit of taking the intermediate bits of the cover pixel as a reference is that no need to communicate reference bits information with the receiver. After that, the LSB bit of the stego image generated after data hiding is circularly rotated in order to reduce the variability. The experimental results were performed on the standard dataset images and various performance metrics calculated for it. Lastly, the proposed algorithm is compared with the existing algorithms and found that the proposed algorithm achieves randomness and better embedding capacity.

Keywords: Data Hiding, Least Significant Bit, Smart Grid, Steganography

Read Full Paper · Download PDF · Back to index

---

19 Hybrid the bat and particle swarm optimization for demand-side management in the smart grid

Paper ID V7I1-1181 · Pages 111-114 · Electrical Engineering

Navdeep Singh Dhaliwal, Research Scholar, Adesh Institute of Engineering and Technology, Faridkot, Punjab
Puneet Jain, Assistant Professor, Adesh Institute of Engineering and Technology, Faridkot, Punjab

The main goal of the demand side management program is shaping the load demand from peak load period to off-load period to reduce the generation cost. In the literature, various types of load shaping objectives available such as load shifting, valley filling, and peak clipping. In this paper, two optimization algorithms hybrid for load shaping. We have considered the BAT and Particle Swarm Optimization (PSO) algorithms in our work. These algorithms turn on/off the devices in an optimal way to reduce the cost and load consumption. The algorithm is simulated in MATLAB for two case studies in which 3 and 5 devices are taken under consideration. We have measured the total load consumption, cost, and execution time for the proposed algorithm and compared it with the existing algorithms. The results show that the proposed algorithm provides less load consumption and cost as compared to Normal ON-OFF and PSO algorithm.

Keywords: Bat Algorithm, Demand Side Management, Particle Swarm Optimization, Smart Grid

Read Full Paper · Download PDF · Back to index

---

20 Design and fabrication of semi-automatic dishwasher machine

Paper ID V7I1-1187 · Pages 115-118 · Cad

Akash Gautam Gaurkhede, Student, PRMIT and R Badnera, Maharashtra
Dr. Mahendra P. Nawathe, Professor, PRMIT and R Badnera, Maharashtra

Though a lot of human activities are automated in the present competitive world. There is a lag in the automated dishwasher. Some machines are already designed with the help of high-velocity water only; hence there is a chance of uncleanliness and not removing tough strains in dishes. In order to overcome the above problems a special machine called – Semiautomatic Dishwasher Machine" with shower and water jet introduced in this work. The project is to design and fabricate a semiautomatic dishwasher that is efficient and overcome human work. In the market existing dishwasher, the spray arm is not sufficient to spray water in each part of the dish. So, keeping this in mind, we designed the circular rack and spray arm in the center of the machine which will spray the water equally and effectively in each and every area of the dish. The machine has less

© 2021, IJARIIT.COM All Rights Reserved

cycle time, less energy consumption, less water required for cleaning as compared to a manual machine.

Keywords: Energy Consumption, Rack, Spray Arm, Semi-Automatic

Read Full Paper · Download PDF · Back to index

---

21 Strength analysis of styrene-butadiene latex modified cement concrete

Paper ID V7I1-1189 · Pages 119-121 · Civil Engineering

Prafull Kumar Swarnkar, Student, Institute of Technology and Management, Lucknow, Uttar Pradesh
Abhay Srivastava, Assistant Professor, Shri Ramswaroop Memorial Group of Professional Colleges, Lucknow, Uttar Pradesh

Polymer Modified Concrete (P.M.C.) has been discovered to be more potent than conventional cement because of its excellent strength and raised perseverance, so to enhance the performance, certain polymers are blended in with concrete. The impact of Styrene Butadiene Rubber (S.B.R.) over the compressive strengths, tensile strengths, and carbonation of cement has been examined in this investigation, and the ideal polymer content for concrete has additionally been resolved. This examination was attempted to decide the impacts of polymer expansion on compressive and tensile strengths utilizing concrete at nearby ambient temperature with a consistent water-cement proportion blend design. The mixes were prepared with a 0 %, 5 %, 10 %, 15 % and 20 % cement-latex ratio of Styrene-Butadiene Rubber. The fresh concrete slump test was performed while the compressive and tensile strengths were analyzed at various ages. S.B.R. latex has been appeared to have an unfavorable effect at an early age, even though applying S.B.R. latex to concrete at 28 days brings about improved compressive and tensile strength. However, the dosage of S.B.R. latex for mixtures rich in cement needs to be optimized in order to preserve the desired concrete workability.

Keywords: S.B.R., Compressive Strength, Carbonation, Tensile Strength, Slump

Read Full Paper · Download PDF · Back to index

---

22 Hybrid the artificial intelligence and swarm-based optimization algorithm for load forecasting in the smart grid

Paper ID V7I1-1179 · Pages 122-125 · Electrical Engineering

Kuljeet Singh Sandhu, Research Scholar, Adesh Institute of Engineering and Technology, Faridkot, Punjab
Puneet Jain, Assistant Professor, Adesh Institute of Engineering and Technology, Faridkot, Punjab

Electricity load forecasting algorithms are used in the smart grid to predict the electricity demand in the future. Besides that, it helps in reducing the electricity generation cost. In the literature, three types of load forecasting are done such as short-term, medium-term, and long-term. In this paper, the short term forecasting is done. The short-term forecasting algorithm predicts the electricity demand from a few hours to several weeks ahead. Due to the nonlinear, nonstationary, and non-seasonal nature of the electric load time series, accurate forecasting is challenging. In this paper, Artificial Intelligence (AI) and the swarm optimization algorithm is hybrid in order to improve the prediction of load forecasting. We have considered Artificial Neural Network (ANN) and Binary Particle Swarm Optimization (BPSO) algorithms in our work. The BPSO algorithm used to improve the learning rate in the ANN network. The experimental results were simulated in MATLAB and various

© 2021, IJARIIT.COM All Rights Reserved

performance metrics such as RMSE, MAPE, minimum and maximum error determined. The results show that the proposed algorithms provide better results as compared to the existing algorithms.

Keywords: Artificial Neural Network, Binary Particle Swarm Optimization, Load Forecasting, Smart Grid

Read Full Paper · Download PDF · Back to index

---

23 A lightweight encryption authentication scheme using rectangle and chaotic logistic map algorithm for smart grid

Paper ID V7I1-1178 · Pages 126-130 · Electrical Engineering

Arun Kumar, Research Scholar, Adesh Institute of Engineering and Technology, Faridkot, Punjab
Puneet Jain, Assistant Professor, Adesh Institute of Engineering and Technology, Faridkot, Punjab

Smart Grid is the advanced power grid system that combines renewable energy resources like wind, solar, biogas with the existing power system. Besides that, it provides two-way communication using a large number of electronic devices between the customer and providers which is also known as Advanced Metering Infrastructure (AMI). The devices are resource constraint devices and sensitive information is communicating through them. Therefore, in this paper, these constraints are taken under consideration and designed a lightweight encryption authentication scheme for AMI. The lightweight RECTANGLE and chaotic Logistic map algorithms are taken under consideration. These algorithms encrypt the information along with generating authentication tags. These tags are used on the receiver side to verify the authenticity of the data. The algorithm is simulated in MATLAB and various performance parameters calculated for it. After that, it is compared with the existing algorithms.

Keywords: Advanced Metering Infrastructure, Rectangle, Chaotic Logistic Map, Encryption Authentication Scheme

Read Full Paper · Download PDF · Back to index

---

24 Analysis of concrete with using human hair as fiber-reinforced

Paper ID V7I1-1188 · Pages 131-134 · Civil Engineering

Akshay Patel, Student, Institute of Technology and Management, Lucknow, Uttar Pradesh
Abhay srivastava, Assistant professor, Shri Ramswaroop Memorial Group of Management and Professional Colleges, Lucknow Uttar Pradesh

Human hair is a waste material that is found in the bountiful sum in the day by day life. It is a typical constituent in city squander streams and causes ecological issues as it is a non-degradable waste. Fiber strengthened cement gives great flexure strength less brake improvement. Since concrete is frail in strain thus a few estimates should be embraced to defeat this insufficiency. Human hair is by and large solid in strain; henceforth it very well may be utilized as a fiber fortification material. Human hair Fiber is a choice non-degradable issue available in riches and at unassuming cost. Hair additionally diminishes ecological issues. Likewise, expansion of human hair strands upgrades the coupling properties, miniature breaking control, Imparts ductility, strength and furthermore builds expanding opposition. The exploratory discoveries in our investigations would support future examination toward the path for long haul execution to expanding this expense of powerful kind of strands for use in primary applications. The examination was led on solid 3D

© 2021, IJARIIT.COM All Rights Reserved

shapes, chambers, and light emissions size with expansion of different rates of human hair fiber i.e., 0%,0.5% 1%,1.25%,1.5%, and 2% by weight of concrete, fine and coarse aggregate, and results were contrasted and those of plain concrete cement of mid-range grade. For every level of human hair included solid, we make a different cubes sample that was tried for their individual mechanical properties at relieving times of 7days, 14days, and 28days. The ideal amount of human hair was gotten as 2% by the weight of concrete. That investigation encourages the fresher to comprehend the human hair fiber fortified execution in concrete cement.

Keywords: Workability, Environmental Problems, Economical and Compressive Strength, Slump Value.

Read Full Paper · Download PDF · Back to index

---

25 In Vitro Toxicity of Bavistin (Carbendazim 50% Wp) On Sclerotium Rolfsii Sacc.

Paper ID V7I1-1172 · Pages 135-137 · Botany

Dr. Prashant Kumar, Assistant Professor, Laxmi Venkatesh Desai College, Raichur, Karnataka
Dr. C. Narayana Reddy, Professor, Gulbarga University, Kalaburagi, Karnataka

When the hosts are susceptible and the environment is feasible the viable fungal pathogens cause many plant diseases. The diseased plant fails to produce a healthy yield and also declines its viability. To inhibit the effect of fungal pathogens either natural or synthetic fungicides are applied. The present investigation deals with In vitro antifungal activity of the synthetic fungicide Bavistin (50% WP) on Sclerotium rolfsii Sacc. using poisoned food technique. Mainly 0.2mg, 0.4mg, 0.6mg, and 0.8mg of fungicide were incorporated into four different 100ml PDA media and obtained specific concentrations such as 10ppm, 20ppm, 30ppm, and 40ppm respectively, and then poured into four different Petri plates. It was found very toxic at 40ppm and the growth was completely inhibited whereas the lower concentrations such as 30ppm, 20ppm, and 10ppm showed various degrees of inhibition on soil-borne fungus Sclerotium rolfsii Sacc.

Keywords: In Vitro, Sclerotium Rolfsii, Bavistin, PDA Medium, Poisoned Food Technique.

Read Full Paper · Download PDF · Back to index

---

26 Psychological Impact of Covid-19 in India

Paper ID V7I1-1176 · Pages 138-139 · Psychology

Ayush Bhatia, Student, Vasant Valley School, New Delhi

The Covid-19 Pandemic has caused the world to go into lockdown. This lockdown and isolation from others have had a negative impact on the psychological and emotional health of many people. The objective of this study is to study the effect the Covid-19 pandemic has had on people of 16-36 years of age. This study has been conducted with a help of a survey completed by 160 participants of various backgrounds. The study suggests that more than 40% of the participants are experiencing anxiety and depression symptoms.

Keywords: Anxiety, Depression, Covid-19, Stress

Read Full Paper · Download PDF · Back to index

© 2021, IJARIIT.COM All Rights Reserved

27 Non-performing assets and their effect on the Indian economy

Paper ID V7I1-1192 · Pages 140-145 · Economics

Ayush Bhatia, Student, Vasant Valley School, Vasant Kunj, Delhi

Non-performing assets have negatively affected the Indian Economy for several years now. While NPAs have been present for a long time, they sky-rocketed in India during the mid-2000s. The objective of this paper is to explain what NPAs are and show the causes as well as the impact of NPAs in India.

Keywords: Indian Economy, Banking, Non-Performing Assets

Read Full Paper · Download PDF · Back to index

---

28 Effects of rain on cricket and the counter measures required

Paper ID V7I1-1173 · Pages 146-147 · Cricket

Rishab Gupta, Student, Independent Researcher, Faridabad, Haryana

The purpose of this study was to examine the consequences of rain in a cricket match and examine the various methods that can be used to get a fair result in such a situation. This data includes a list of 200 matches that were affected by rain and the result shifted in favor of the losing team due to the unjust methods of resetting a target. It also includes information on how to prevent rain to influence a match and the pros and cons of the same. It suggests that interrupted matches a missing data problem the outcome of the complete match cannot be observed and the outcome of the interrupted match is observed. In particular, we consider the overall and conditional accuracy of a rain rule. Based on our study we come to know that the Duckworth lewis system, currently adopted by the ICC { International Cricket Council} is not as accurate and efficient as it doesn't include all the factors during a run chase. Therefore, through this research paper, we are going to give two alternate methods to the Duckworth- lewis method and also include various measures that can be taken to minimize the effect of rain.

Keywords: Informative, Detailed, Innovative Ideas

Read Full Paper · Download PDF · Back to index

---

29 A detailed survey and evaluation of various aspects of embedded software robustness testing

Paper ID V7I1-1165 · Pages 148-153 · Engineering

Chiranjeevi Aradhya, Collins Aerospace, Charlotte, North Carolina, USA

The focus of the current and future automotive, multimedia, and industrial automation systems is embedded software. The reliability of the embedded software system determines the performance of virtually every industrial application; one approach for determining a system's reliability is to measure its robustness. The aim of this paper is to provide a framework to understand the existing state-of-the-art practice in the robustness testing of built-in software systems. In robustness tests from different industrial domains, I've collected details on the state of practice on telecommunication, automotive, multimedia, critical infrastructure, aerospace, consumer products, and banking. I investigate various aspects of robustness testing, such as the general view

© 2021, IJARIIT.COM All Rights Reserved

of robustness, engineering, and design of specifications, test results, failure, and equipment. I emphasize the state of understanding of the robustness testing practice of integrated software systems. The survey outlines many ad-hoc techniques, including power failure and overload situations. Other discrepancies I found concern the classification of robustness defects, the assumed root causes of robustness defects, and the types of devices for testing robustness. This article is an initial step in the evaluation of the robustness testing practice of embedded software systems.

Keywords: Embedded System Robustness, Robustness Testing, Robustness Testing Tools

Read Full Paper · Download PDF · Back to index

---

30 Cooperative spectrum sharing and maximization of throughput using cognitive radio

Paper ID V7I1-1198 · Pages 154-157 · Computer Science And Engineering

Immaculate Rexi Jenifer P., Assistant Professor, Anjalai Ammal Mahalingam Engineering College, Kovilvenni, Tamil Nadu

Cognitive radio is an intelligent radio which can be programmed and configured dynamically. It is widely used in spectrum sensing, spectrum sharing, environment sensing, etc. In this paper, we employ cognitive radio to harvest energy during packet transmissions using energy techniques. Energy harvesting involves two cooperation nodes: Energy cooperation mode and joint cooperation mode. In each cooperation mode, a pair of Primary Users(PUs), a pair of Secondary Users(SUs), and a cognitive radio network are used. In energy cooperation mode, secondary users transmit their own packets by harvesting energy from the primary transmission. In joint cooperation mode, Secondary users act as a relay for primary packets by using the energy harvested from the primary transmission. Further, we obtain maximum throughput by achieving a balance between energy harvesting and packet transmission.

Keywords: The Cognitive Radio, Spectrum Sensing, Cooperative Spectrum Sharing, Total Achievable Throughput, Energy Harvesting

Read Full Paper · Download PDF · Back to index

---

31 Ultracapacitor circuit for solar E-vehicle

Paper ID V7I1-1191 · Pages 158-160 · Electrical And Electronics Engineering

Akshat Ashish Choudhury, Student, SRM Institute of Science and Technology, Kattankulathur, Chennai
Shriparno Dey, Student, SRM Institute of Science and Technology, Kattankulathur, Chennai

This paper proposes a new system for the storage of energy that can be used in solar e-vehicles, e-vehicles, and hybrid e-automobile. Supercapacitors are charge storage devices that look similar to batteries, have a low energy density, high power density, and exceptional life cycle. Though they have less energy capacity than the state-of-the-art batteries, however, they are able to deliver 10-100 times more powerful than the li-ion batteries. Unlike other conventional systems, this system uses just a portion of the vehicle power via a DC-DC converter. This concept is new and reduces the converter losses, helps in the complete utilization of stored energy in storage units, and gives stable DC bus voltage irrespective of the operating situations and conditions.

© 2021, IJARIIT.COM All Rights Reserved

In the proposed system a controller is added between the solar panel setup and the battery to improve performance. The aim is for a simple yet feasible way to extract and store the energy from a PV source. Here we are using buck-boost converters, i.e. SEPIC (Single Ended Primary Inductor Converter) converters which allows potential at the output to be varied as per requirement. In battery and supercapacitor circuits both energy is stored, but in the battery, chemistry is changed when it is discharged, which is not so in the case of this system.

Keywords: Solar E-Vehicle; Supercapacitors; Converter; PV Source; Sepic Converter

Read Full Paper · Download PDF · Back to index

---

32 Crop guidance and farmer’s friend

Paper ID V7I1-1200 · Pages 161-163 · Computer Science(machine Learning)

Shrutika Kharat, Student, Pune Institute of Computer Technology, Pune, Maharashtra
Vinit Patil, Student, Pune Institute of Computer Technology, Pune, Maharashtra
Disha Walke, Student, Pune Institute of Computer Technology, Pune, Maharashtra
Mayur Patil, Student, Pune Institute of Computer Technology, Pune, Maharashtra

Agriculture is the primary source of livelihood for about 58% of India’s population. It is very difficult for mute and deaf people to communicate. This paper proposes a model to overcome these barriers and allow everyone to interact with each other irrespective of their disabilities and facilitates deaf, dumb, and normal people to communicate with each other through messaging and video calling.

Keywords: Crop Prediction, Machine Learning, Random Forest

Read Full Paper · Download PDF · Back to index

---

33 A case study: Design and assessment of 1.5kW/day rooftop solar PV system

Paper ID V7I1-1216 · Pages 164-166 · Electrical And Electronics Engineering

Upkar, Student, SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu

In this paper designing, the performance of rooftop solar PV systems is presented. To acquire power from solar PV panels in the case of a rooftop PV system involves a proper selection, design, and determination with the specification of various components that are used in the system. This paper presents an update on a case study undertaken on a rooftop PV system situated in a rural area near a major city Meerut, India. This case study also includes a Life cycle assessment of the rooftop PV system considering the inflation rate and discount rate.

Keywords: Solar, PV System, Insolation, Inverter, LCC

Read Full Paper · Download PDF · Back to index

© 2021, IJARIIT.COM All Rights Reserved

34 Online Medicine Donation Portal

Paper ID V7I1-1212 · Pages 167-169 · Computer Science Engineering

Sanket Rajendrakumar More, Student, N. K. Orchid College of Engineering and Technology, Solapur, Maharashtra
Ashutosh Nitin More, Student, N. K. Orchid College of Engineering and Technology, Solapur, Maharashtra
Sana Hatture, Assistant Professor, N. K. Orchid College of Engineering and Technology, Solapur, Maharashtra

The aim and object of this project are to prepare an online portal for the collection of unused medicines so that they can be given to the people who are in need. What this project will do is, collect the unused medicines from the people who have completely recovered from the illness and do not require the medicines anymore. After the collection of these medicines, they would be handed over to the NGO's which would check the medicines and then if approved will be given to the people directly or to the hospitals who will be giving out these medicines for free. There must be a log in for the User, NGO, admin. Admin can see all details of user donated medicine.

Keywords: The online portal, collection, unused medicine, NGOs, and donation.

Read Full Paper · Download PDF · Back to index

---

35 Analysis of authentication, authorization, and accounting server

Paper ID V7I1-1186 · Pages 170-172 · It

Ramesh Palanisamy, Assistant Professor, University of Technology and Applied Sciences, Ibra, Oman
Sumaiyh Bani Oraba, Student, University of Technology and Applied Sciences, Ibra, Oman
Malak Saleh Mohammed Al-Hizami, Student, University of Technology and Applied Sciences, Ibra, Oman
Amira Abdullah Al-Jaafariyan, Student, University of Technology and Applied Sciences, Ibra, Oman

AAA server is having three processes Authentication, Authorization, and Accounting. AAA server is the most popular thing of the security. It helps the network to become more secure by another. Authentication means the used username and password to become an authenticator. Authorization that authenticator can use the service and so on depending on that the server is given. Accounting that they know what users do and from which website open it is listed from each user. The critical server of AAA Server is RADIUS and TACACS. The AAA server is handy for WLAN and wire.

Keywords: AAA, Server, TACACS, WLAN

Read Full Paper · Download PDF · Back to index

© 2021, IJARIIT.COM All Rights Reserved

36 Synthesis and characterization of copper (II) complexes of some 2-hydroxy-4,5-dimethyl acetophenone substituted Hydrazones.

Paper ID V7I1-1196 · Pages 173-180 · Chemistry

Dinkar Balasaheb Gagare, Student, Jaipur National University, Jaipur, Rajasthan
Dr. Raju Patil, HOD, Institute of Science-Mumbai, Maharashtra
Dr. Rama Lokhande, HoD, Jaipur National University, Jaipur, Rajasthan
Dr. Poonam Dwivedi, Jaipur National University, Jaipur National University, Jaipur, Rajasthan
Dr. Ajay Deshmukh, Others, Jaipur National University, Jaipur, Rajasthan

The present paper deals with the synthesis and characterization of the metal complex of some novel 2-hydroxy-4,5-dimethylacetophenone substituted hydrazones. The substituted hydrazones were prepared by reacting 2-hydroxy-4,5-dimethyl acetophenone with corresponding hydrazine, Phenyl hydrazine, and (2,4-dinitrophenyl)hydrazine. The Copper (II) metal complexes of general formula ML2 with newly prepared hydrazone synthesized and characterized by several physiochemical techniques like UV, Infrared, 1HNMR, decomposition temperature/melting point, elemental analysis, molar conductance, and magnetic susceptibility studies. The analytical data confirmed 1:2 stoichiometry of M:L and based on the above analytical technique data suggest that each Cu (II) complexes have octahedral geometry. The conductivity data show that each one of these complexes is non-electrolytes.

Keywords: Transition Metal Complexes, Hydrazone, Mutagenicity, Non-Electrolytes, Phenyl Hydrazine, and (2,4 Dinitrophenyl) Hydrazine

Read Full Paper · Download PDF · Back to index

---

37 Importance of town planning for the crises of pandemic

Paper ID V7I1-1228 · Pages 181-184 · Civil Engineering

Amazad Ali Jamadar, Student, MIT College of Management, Loni Kalbhor, Maharashtra

The scientific community has been continuously trying to shed light on various issues since the early days of the COVID-19 crisis, such as the mechanisms driving the spread of the virus, its environmental and socio-economic consequences, and the requisite plans and policies for recovery and adaptation. They are also a hotspot because of the high population concentration and economic activities in towns.

Keywords: T.P Town Planning, Virus, Socio-Economic Consequences

Read Full Paper · Download PDF · Back to index

---

38 Study of bituminous mixes made with cellulose fiber

Paper ID V7I1-1223 · Pages 185-188 · Flexible Pavement

Monikant Jhabre, Student, Lakshmi Narain College of Technology Bhopal, Madhya Pradesh
Rajesh Kumar Misra, professor, Lakshmi Narain College of Technology Bhopal, Madhya Pradesh

In the present experimental investigation, attempts are made to study the various properties like penetration test, ductility test, softening point test, specific gravity test, viscosity test, flash and fire point test, Experiments were conducted for both Ordinary bitumen and cellulose fiber bitumen. It was observed that as the addition of

© 2021, IJARIIT.COM All Rights Reserved

cellulose fiber bitumen mix increases, and penetration value decreasing with an increasing percentage of cellulose fiber in bitumen mix. Ductility of cellulose fiber percentage increasing with increasing ductility of cellulose fiber bitumen similarly flash and fire value increasing with increasing fiber in bitumen. Finally observed that maximum value stability obtained in 5% bitumen with 0.3 % cellulose fiber 1953kg. further in the future use of bitumen 5% and cellulose fiber 0.3% is a more suitable mix compare to another mix.

Keywords: Cellulose Fiber, Penetration, Ductility, Flash and Fire Test, Softening Point, Marshall Stability

Read Full Paper · Download PDF · Back to index

---

39 Consumer trust in online spending: An Indian perspective

Paper ID V7I1-1225 · Pages 194-197 · Commerce

Mohd Anwar, Student, Mata Gujri College, Fatehgarh Sahib, Punjab
Ravinder Kaur, assitant professor, Mata Gujri College, Fatehgarh Sahib, Punjab

Many consumers are incredulous or suspicious about the functional mechanisms of electronic commerce, it is a transparent process, for online purchase. Beginning from a utilitarian point of view trust is viewed as a particular yet conceivably coinciding system for decreasing the vulnerability and multifaceted nature of exchanges and connections in electronic markets. In many previous types of research, the focus has been found on the connection between consumer trust and its forerunners. The objective of this study is to examine the influence of consumer trust on online buying behavior among Indian consumers as well as to investigate the relationship and mediating effect of consumer attitude and consumer buying intention between consumer trusts and online buying behavior

Keywords: Consumers, Online Shopping, Internet, World Wide Web

Read Full Paper · Download PDF · Back to index

---

40 A History of Two Cities: The Literature of Cairo and Istanbul

Paper ID V7I1-1237 · Pages 198-203 · Literature

Hameed Mohammed Abdulfatah, Research Scholar, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra

This paper is an effort to find out about both cities, Cairo in the Arab world and Istanbul's historical heritage, literature, and cultural horizons. Cairo and Istanbul are as ancient as Arab and Turkish ties are deeply rooted, perhaps even more so. In the Ottoman Empire, the Arabic language received significant attention from the Turks in the past and before the declaration of the Turkish Republic. In terms of the number of old Masjids and other ancient Islamic architectural sites, Cairo and Istanbul have a common history. During the reign of the Ottoman Empire, almost all of the historical sites, whether in Cairo or Istanbul, were supervised by the same sultans. However, culturally and historically, each city has its own characteristics. Though Cairo is Arab and Istanbul is not, both have many things in common in terms of civilization, culture, and history. This paper sheds light on the key issues discussed in both cities by Arab and Turkish literature.

Keywords: Istanbul, Cairo History, Literature of Cairo and Istanbul, Ottoman Rule

© 2021, IJARIIT.COM All Rights Reserved

Read Full Paper · Download PDF · Back to index

41 Translating bidri craft to interiors

Paper ID V7I1-1238 · Pages 204-211 · Interior Design

Syeda Sameeha Maryam, Student, Jawaharlal Nehru Architecture and Fine Arts University, Hyderabad, Telangana
Srishti Srivastava, Assistant Professor, Jawaharlal Nehru Architecture and Fine Arts University, Hyderabad, Telangana

The national design policy of India encourages the active involvement of designers from various fields in the development of traditional and local crafts and designs. The strategy is to create a platform for creative design development. This research constitutes the same as an interior designer, or an architect can engage and create a craft-based design environment that can strengthen and generate opportunities for both the domains by recognizing Indian crafts and artisans in multi-dimensions. Through this paper, the intent is to emphasize the implementation of craft culture in interior architecture to enhance the culturally sustainable environment. It concludes with the possibilities of the impact of such models.

Keywords: Metal, Interior, Craft, Built Environment, Culture, Techniques, Social Sustainability, Structure, Surface, Community

Read Full Paper · Download PDF · Back to index

42 Effect of spaced learning for developing the listening skill of attention deficit hyperactive students

Paper ID V7I1-1214 · Pages 212-215 · Education Technology

Dr. Bindu Joseph, Assistant Professor, St. Joseph College of Teacher Education for Women, Kochi, Kerala

Spaced learning is an innovative teaching-learning process. The main objective of this study was to test the effect of spaced learning for enhancing the listening skill of attention deficit hyperactive students. Four students were selected as the sample from the primary grade of Kerala state syllabus school. An experimental procedure was adopted for the study. Listening skill test and lesson transcripts based on spaced learning were used as the tools for the study. The obtained data were analyzed using Analysis of Covariance. The major findings of the study were that spaced learning is an effective strategy for enhancing the listening skill of attention deficit hyperactive students at the primary grade

Keywords: Spaced Learning, Listening Skill, Attention Deficit Hyper Active Students

Read Full Paper · Download PDF · Back to index

43 The role of community radio stations in combating covid-19 in India

Paper ID V7I1-1235 · Pages 216-219 · Media Studies

Ritam Bhattacharya, Student, Jadavpur University, Kolkata, West Bengal

This article focuses on how Community Radio Stations (CRSs) had helped the underprivileged communities during the amid COVID-19 pandemic. By citing various news articles published during the time of COVID- 19 by various newspapers, magazines, and journals, this article tries to explore the problems of people particularly

© 2021, IJARIIT.COM All Rights Reserved

those people who belong to the lower-income strata of the society. Also, it is shown that how community radios from different parts of India have helped them to get through the tough phase of the lockdown. Community Radio Stations from different parts of India had helped to spread awareness amongst the masses and also have addressed various issues of society. This article tries to explore, how those CRSs have managed to do address those issues during the COVID-19 pandemic.

Keywords: Community Radio, Community Radio Stations, COVID-19, Lockdown, Awareness, Domestic Violence, Education

Read Full Paper · Download PDF · Back to index

---

44 History of Tamil food of Ancient Tamils with special reference to Sangam Literature

Paper ID V7I1-1239 · Pages 220-222 · History

Dr. T.Kausalya Kumari, Assistant Professor, Ethiraj College for Women, Chennai, Tamil Nadu

From the very prehistoric stage of the civilization of mankind, man has realized the indispensability of food for the building up of a healthy body and a sound mind. He is able to notice that people who are well-fed live longer and are stronger and they are able to do more work than those who do not have enough to eat. Yet it is only during the last 150 years that we are able to understand objectively and scientifically the important role that food plays in our daily life. Thanks to the recent scientific investigations that we are able to know clearly, the place of food in the growth of the human body, as well as in ending the body with energy.

Keywords: Tamil food habits, Varagu Arisi, Kuuttu, Appam, Choru, Unavu, Sangam

Read Full Paper · Download PDF · Back to index

---

45 The attitude of university students towards co-curricular activity: A comparative study

Paper ID V7I1-1219 · Pages 223-226 · Education

Kankana Bag, Student, Sidho-Kanho-Birsha University, Purulia, West Bengal
Prasanta Gayen, Research Scholar, University of Calcutta, Kolkata, West Bengal
Sk Saha Alam, State Aided College Teacher, Sponsored Teachers' Training College, Purulia, West Bengal
Sourav Chandra Gorain, Research Scholar, Sidho-Kanho-Birsha University, Purulia, West Bengal

Each and every education process is forwarded following a particular curriculum which is one of the most vital aspects of the education system. Besides curricular activities, co-curricular activities are equally important for the smooth conduction of the teaching-learning process as well as for the all-round development of the learners. In this present study, the researchers have tried to measure the attitude of the university students towards co-curricular activities. The attitude of students (Male and Female) of different streams (Science, Arts, and Commerce) of Sidho-Kanho-Birsha University, Purulia residing in both rural and urban areas is the primal focus of this present study. 449 students from different streams of Sidho-Kanho-Birsha University have been randomly chosen as the sample of the study. A self-made questionnaire with 45 items has been used for the data collection. The result of the study reveals that rural students are more positive in their attitude towards co-curricular activities than urban students. But in terms of gender, no difference is found in the attitude of the

© 2021, IJARIIT.COM All Rights Reserved

students. And among the streams, art students show relatively more positive attitude than the students of science and commerce.

Keywords: Curriculum, Co-Curricular Activity, Attitude, University Students

Read Full Paper · Download PDF · Back to index

---

46 To what extent can moneylending practices in the informal credit market be considered economically efficient?

Paper ID V7I1-1194 · Pages 227-236 · Developmental Economics

Pranad, Student, New York University, New York City, New York, USA

The essay aims to investigate the behaviour of rural credit markets by examining the lending mechanisms used by informal moneylenders. The first section discusses possible explanations for the significantly higher interest rates charged on loans to the poor and concludes that a combination of informational asymmetries and default incentives contribute to higher costs for lenders, a significant amount of which gets passed on to the borrowers. The following sections model the behaviour of the informal moneylending market and examine whether practices used by moneylenders to cope with the distortions in the credit market make a net contribution to economic welfare. The mechanism of credit rationing is explored as a tool for the moneylender to secure himself against strategic default and thus, precluding optimal consumer and producer surplus in the market. Similarly, the common practice of interlinkage is modelled theoretically to demonstrate its effectiveness in allowing borrowers to demand the optimal loan size thereby also maximizing lenders profit and ensuring optimal community surplus.

Keywords: Rural Credit Market, Credit Rationing, Interlinkage, Allocative Efficiency, Cost Efficiency

Read Full Paper · Download PDF · Back to index

---

47 A study the effect of competitive examination on student behavior using statistical methods

Paper ID V7I1-1206 · Pages 237-245 · Statistics

Prakash S. Chougule, Associate Professor, Rajarshi Chhatrapati Shahu College, Kolhapur, Maharashtra
Suresh V. Patil, Associate Professor, Rajarshi Chhatrapati Shahu College, Kolhapur, Maharashtra
Tejaswi S. Kurane, Assistant Professor, Rajarshi Chhatrapati Shahu College, Kolhapur, Maharashtra
Prasad V. Shinde, Student, Rajarshi Chhatrapati Shahu College, Kolhapur, Maharashtra
Pratiksha S. Powar, Student, Rajarshi Chhatrapati Shahu College, Kolhapur, Maharashtra

We know that there are number of entrance exams like IIT JEE, Civil Services Exam, EAMCET, CAT, AIPMT, UPSC etc. An interesting fact about civil services exam is that it is considered as one of the toughest examination in the world with a success rate is below three percent . Parents who failed to meet their goals in their younger days want to fill that avoid through their child. But mechanism of these exams has both positive and negative effects on the takers. So for the purpose of this study we collect the primary data through systematic Questionaires containg several attributes and analysis is made through using various statistical tools and techniques .our study shows the attributes stress and anxiety is dependent to each other. The proportion of

© 2021, IJARIIT.COM All Rights Reserved

arts students in competitive exam is fourty percent. most of students preparing for competitive exams from arts and science.

Keywords: Graphical representation, Z-Test, Chi-square Test, Level of Significance, ANOVA

Read Full Paper · Download PDF · Back to index

---

48 Automated User Experience Monitor (A.U.X.M)

Paper ID V7I1-1226 · Pages 246-251 · Computer Science

Prabhath Mannapperuma, Research Scholar, Sri Lanka Institute of Information Technology, Colombo, Sri Lanka
Munasinghe T. S., Research Scholar, Sri Lanka Institute of Information Technology, Colombo, Sri Lanka
Wijetunga D., Research Scholar, Sri Lanka Institute of Information Technology, Colombo, Sri Lanka
Perera M. M. I., Research Scholar, Sri Lanka Institute of Information Technology, Colombo, Sri Lanka
Jagath Wickramarathne, Research Scholar, Sri Lanka Institute of Information Technology, Colombo, Sri Lanka

User experience is a crucial element in any kind of software. If the user cannot easily and satisfactorily use the software, they will not be inclined to use that software. Therefore, testing the user experience of software is important. Conducting usability evaluations can be a tedious matter however since there are several steps involved in setting up even a single usability test. This relates more to scheduling meetings between the test user and the expert evaluator that will conduct the test. Although there are several commercial software that allows designers to “relive”, or observe how users use their software, there are no such products that allow usability testing to be conducted, with the role of an expert evaluator being fulfilled. This paper describes a novel approach, the Automated User Experience Monitor (AUXM) system, where usability testing can be conducted in the absence of an expert evaluator, thus eliminating the issue of setting up meetings between test users, and expert evaluators. It is a system that allows designers/developers to have their user interfaces tested for usability. The designer of the prototype screens is able to feed their designs to the system described in this paper, and then invite any number of users to test the usability of those designs. While the users perform the tasks provided to them by the designer, their emotional feedback, keystrokes, mouse clicks, and verbal utterances are recorded. The recorded data is used by the system to inform the designers what went wrong and suggest how to fix the issues in the designs. Results show that such a system is indeed possible to be implemented, and that usability analysis could be performed much easier using the system than having expert evaluators and test users meet in person. In conclusion, if the proposed approach is developed further, and refined, usability testing could change significantly in the software production industry.

Keywords: Automated User Experience Testing, User Experience, Remote User Testing, Usability Issues

Read Full Paper · Download PDF · Back to index

---

49 Trends in domestic and foreign tourist arrivals in Kerala

Paper ID V7I1-1217 · Pages 252-256 · Travel And Tourism

Archana K. M., Assistant Professor, Sree Narayana College, Alathur, Kerala

Worldwide governments have recognized tourism as a sector with immense potential for economic development and employment generation. Various international agencies like World Tourism Organization

© 2021, IJARIIT.COM All Rights Reserved

(WTO) have pointed out the vast development potential of tourism particularly with reference to developing countries like India. Kerala tourism is one of the most popular tourist destinations in the world. It is famous especially for its eco-tourism initiatives and beautiful backwaters. Growing at a rate of 13.31%, the Kerala tourism industry is one of the major contributors to the economic development of the state. The paper analyses the trend of tourist arrival to Kerala over the past few years and evaluate the revenue generation trend and growth prospects of the industry. Secondary data published by the Kerala tourism department has been analyzed using tools like trend analysis and simple percentage analysis. The published records of Kerala tourism statistics have also been used in the study. The study may throw light on the future prospects of the Kerala tourism industry with respect to tourist arrival and revenue generation.

Keywords: Domestic Tourist, Foreign Tourists, Kerala Tourism

Read Full Paper · Download PDF · Back to index

---

50 A direct digital BPSK modulator using an active balun and buffer technology

Paper ID V7I1-1256 · Pages 257-262 · Electronics And Communication

Tanmay Padhi, Student, SRM Institute of Science and Technology, Kattankulathur, Chennai
Arindam Datta, Student, SRM Institute of Science and Technology, Kattankulathur, Chennai
Krishnan Krm, Student, SRM Institute of Science and Technology, Kattankulathur, Chennai

Earlier there were many circuits that were made using buffer technologies but no such matter exists which implemented five different buffers in any modulation circuit. The whole work is been divided into 3 basic section which is active balun, a buffer circuit, and complementary switches. 77 The active balun can have relatively less loss than a passive balun. We preferred active balun in the circuit due to its gain characteristics. In our circuit active balun consists of two MOSFETs applied in source and drain. The output obtained in the common source FET will have a phase shift of 1800 with the input and the output obtained in the common gate will have a phase shift of 00 or multiple of 3600. The input signal was passed to each of the tested buffers and the switching conditions were tested on each of them. CMOS, BiCMOS, FET, common collector, and opamp circuits were used for the switching condition and were later added with the active balun for the final result. The main reason for implementing these many signals was to get more accurate and correct results in a shorter period. Based on all the simulations and parameters. In this paper, we have further worked on different buffer technologies that were not included in previous works and have got various parameters to compare them and finally conclude which one is better. Also, we calculated the rise time and fall time of the buffers to compare the spontaneously they give results. Before plotting the graph and comparing different parameters we have taken different cases and at different input values.

Keywords: Active balun, Buffer, BiCMOS, FET, common collector, OPAMP, CMOS

Read Full Paper · Download PDF · Back to index

© 2021, IJARIIT.COM All Rights Reserved

51 Evaluating the properties of controlled low-strength material (CLSM) using class c fly ash, GGBFS, PS sand, and quarry dust

Paper ID V7I1-1258 · Pages 263-270 · Civil Engineering

Javaid Aalam, Student, AMC Engineering College, Bengaluru, Karnataka
Junaid Gulzar, Student, AMC Engineering College, Bengaluru, Karnataka
Mohammad Tafzeel Qureshi, Student, AMC Engineering College, Bengaluru, Karnataka
Asif Ahmad Ganie, Student, AMC Engineering College, Bengaluru, Karnataka
Iqra Rashid, Student, AMC Engineering College, Bengaluru, Karnataka

A Controlled Low Strength Material (CLSM) is a highly flowable self-compacting material that is primarily composed of sand, cement, water, and other filler materials. It is principally used as a replacement for soil backfill. The purpose of this project was to optimize the mixture proportions for performance using various fillers such as Quarry Dust and PS Sand, and cementitious materials such as Ground Granulated Blast Furnace Slag (GGBFS), Fly Ash (FA), and cement. The recycling of these waste materials contributes to construction sustainability. The mixes must possess the consistency, flowability, and strength which is required for CLSM. This was achieved through trial mixing, where the derivation of new mixes was based on the performance of previous pours. To investigate the performance of the mixes derived, tests for flowability and compressive strength were carried out.

Keywords: CLSM, GGBFS, Flyash, Flowability, Consistency

Read Full Paper · Download PDF · Back to index

---

52 Role of IoT to make a smart city

Paper ID V7I1-1257 · Pages 271-272 · Iot

Heena Gupta, Student, International School of Informatics and Management, Jaipur, Rajasthan

IoT plays a very beneficial role to make the city SMART. IoT is a concept that is rapidly used in this IT sector. Nowadays IoT is the most useful field in the IT sector. IoT- Internet of Things is the network of physical devices, vehicles, home appliances, and other items embedded with electronics, software, sensors, actuators, and connectivity which enable these objects to connect and exchange data. Here we study articles to analyze what is the role of IoT to make a smart city. So we identify that the major role of IoT to make a smart city. The smart city always uses a very efficient environment to establish a network to connect the devices into a system. To make a city smart we use sensors or attached sensors to detect the devices. Arun Kumar says that Nowadays, IoT is rapidly used in this time and have been enormous discussions around building smart cities in India. Sometimes, one questions always in my mind i.e. what really defines a smart city? Imagine a city that acts likes a smart city like a living organism, interacts with you, and continuously fulfilled our needs. A smart city is smart due to its inherent intelligence in dealing with its resources and environment. It makes the effective use of available “ICT”, especially the “IoT”. Here one keyword used-“inherent intelligence”, which means sensors.

Keywords: IoT, Smart City, Sensors, Connected Device

Read Full Paper · Download PDF · Back to index

© 2021, IJARIIT.COM All Rights Reserved

53 Smart centralized attendance management system

Paper ID V7I1-1231 · Pages 273-277 · Computer Engineering

Vaibhav Ghadiali, Student, Shah and Anchor Kutchhi Engineering College, Mumbai, Maharashtra
Jevin Jain, Student, Shah and Anchor Kutchhi Engineering College, Mumbai, Maharashtra
Meet Nandu, Student, Shah and Anchor Kutchhi Engineering College, Mumbai, Maharashtra

The management of the attendance can often be a good burden on the lecturers if it is done manually. To resolve this problem, a smart and auto attendance management system is being utilized. But authentication is a crucial issue in this system. Biometrics are generally used to execute a smart attendance system. Face recognition is one of the biometric to be used. The human face is a vital authentication parameter, it has many applications in other fields such as video monitoring and CCTV footage system, access systems present indoors and network security, identification of people, electronics, and validation of identities. By using a similar framework, the problem of proxies and students being marked present even though they are not physically present can easily be solved. The important implementation steps used in this type of system are face detection and recognizing the detected face. This paper proposes a model for implementing an automated attendance management system for students of a class by making use of face recognition technique, by using Convolutional Neural Network (CNN). After these, the connection of recognized faces ought to be conceivable by comparing with the database containing student's faces. This model will be a successful technique to manage the attendance and records of students.

Keywords: Attendance System, CNN (Convolutional Neural Network), Deep Learning

Read Full Paper · Download PDF · Back to index

---

54 Driver assistance system based on traffic sign recognition

Paper ID V7I1-1261 · Pages 278-281 · Driver Assistance System

Prajakta Udaram Lanje, Student, SCTR'S Pune Institute of Computer Technology, Pune, Maharashtra
Srishti Sunil Bankar, Student, SCTR'S Pune Institute of Computer Technology, Pune, Maharashtra
Siddhant Vinay Nikumbh, Student, SCTR'S Pune Institute of Computer Technology, Pune, Maharashtra
Pallavi Dhananjay Dadape, Student, SCTR'S Pune Institute of Computer Technology, Pune, Maharashtra

Programmed discovery and acknowledgment of traffic signs assume a pivotal function in the administration of the traffic-sign stock. It gives an exact and opportune approach to oversee traffic-sign stock with insignificant human exertion. In the Computer Vision network, the acknowledgment and recognition of traffic signs is a well-informed issue. A larger part of existing methodologies performs well on traffic signs required for cutting edge drivers assistance and self-ruling frameworks. In any case, this speaks to a generally modest number of all traffic signs (around 50 classes out of a few hundred) and execution on the excess set of traffic signs, which are needed to take out the manual work in rush hour gridlock sign stock administration, stays an open question. In this paper, we address the issue of perceiving constantly a colossal number of traffic-sign arrangements sensible for automating traffic-sign stock organization. We receive a convolutional neural organization (CNN) approach, the Mask R-CNN, to address the full pipeline of discovery and acknowledgment with programmed start to finish learning. We propose a few upgrades that are assessed on the discovery of traffic signs and result in an improved generally speaking execution. This methodology is applied to the discovery of 200 traffic-

© 2021, IJARIIT.COM All Rights Reserved

sign classifications spoke to in our novel dataset. Results are accounted for on exceptionally testing traffic sign classifications that have not yet been considered in past works. We give a far-reaching investigation of the profound learning technique for the location of traffic signs with huge intra-class appearance variety and show beneath 3% mistake rates with the proposed approach, which is adequate for arrangement in useful uses of traffic-sign stock administration.

Keywords: Convolutional Neural Network, Deep Learning, Traffic-Sign Detection and Recognition

Read Full Paper · Download PDF · Back to index

---

55 Studies on the compatibility of Ordinary Portland Cement with Polycarboxylate Superplasticisers

Paper ID V7I1-1207 · Pages 282-286 · Cement And Admixtures

Lelin Das, Senior Manager, Dalmia Cement Research Centre, Chennai Tamilnadu
Asis Kumar K., General Manager, Dalmia Cement Research Centre, Chennai Tamilnadu
Dinesh Kumar T., Officer, Dalmia Cement Research Centre, Chennai Tamilnadu

The addition of superplasticisers along with mineral admixtures like fly ash and slag in concrete improves the strength and workability of concrete at lesser water cement ratios. To get this benefit, the compatibility between cement and admixtures must be studied. SP’s are normally adsorbed on the cement particles and sometimes the adsorption will not be even and slightly unreliable. This is due to the clinker composition of cement and the type of SP’s used. Various combinations of materials including mineral admixtures affect the behaviour of the cement–based system and become incompatible like slump loss, delayed setting of concrete etc. In the present work, four brands of Ordinary Portland Cements are selected and is checked for its compatibility with 4 types of PCE superplasticisers available in the market using Marsh cone test. The results of these tests conducted on the cement paste is analyzed to find out the optimum dosage of superplasticiser for all the four brands. Chemical analysis and XRD analysis is done for the 4 types of cements to study the behaviour. The work concludes that the presence of MgO in ordinary portland cement affects the cement superplasticiser compatibility to greater extent.

Keywords: Marsh Cone test, Marsh Cone Time, saturation Point, optimum Dosage of Superplasticisers, Poly Carboxylate Ether, Workability.

Read Full Paper · Download PDF · Back to index

---

56 Smart traffic manager: Computer vision and deep learning-based approach

Paper ID V7I1-1236 · Pages 287-289 · Computer Vision

Sahil Shaikh, Student, SCTR'S Pune Institute of Computer Technology, Pune, Maharashtra
Swapnil Patil, Student, SCTR'S Pune Institute of Computer Technology, Pune, Maharashtra
Niranjan Patil, Student, SCTR'S Pune Institute of Computer Technology, Pune, Maharashtra
Purushottam Kulkarni, Student, SCTR'S Pune Institute of Computer Technology, Pune, Maharashtra
J. K. Kamble, Assistant Professor, SCTR'S Pune Institute of Computer Technology, Pune, Maharashtra

In the last couple of decades, the number of vehicles has been on the road increased drastically. Hence it has

© 2021, IJARIIT.COM All Rights Reserved

become very difficult to keep track of every vehicle for traffic management and law enforcement. With the increasing number of vehicles on roads, it is getting difficult to manually enforce laws and traffic rules for smooth traffic flow. Traffic Management systems are installed on traffic signals to check for vehicles breaking the traffic rules. To automate all these processes a system is required to easily identify a vehicle. The main aim to design this system is to reduce the mishaps which occur due to reckless driving and violations of the traffic rules. The important question here is how to identify a particular vehicle, The obvious answer to this question is by using the vehicle's registered license plate as every vehicle has a unique number through which it is easily differentiated from all the other vehicles. Vehicles in each country have a unique license number, which is written on their registered number plate. This number distinguishes one vehicle from the other, which is useful especially when both are of the same make and model. So, the basic idea will be identifying whether the two-wheeler rider is wearing a helmet or not, over speeding vehicles, zebra crossing violators, etc. Most of the tasks in this will require machine learning/deep learning models for image processing tasks. In the end, this system would be very effective to automate the hectic task of the traffic police and can be very efficient in terms to reduce the workload and manage the different tasks autonomously.

Keywords: Yolov4, OCR, Computer Vision

Read Full Paper · Download PDF · Back to index

---

57 The changing trends in corporate culture

Paper ID V7I1-1262 · Pages 290-291 · Research Article On The Impact Of Pandemic Over Businesses.

Aryan Dogra, Student, Goswami Ganesh Dutta Sanatan Dharma College, Chandigarh

The pandemic continues to dominate global economic sentiments as the coronavirus also known as COVID-19 continues to spread globally. The Business Insider Intelligence and several eMarketer's are continuing to work in order to analyze the impact of the virus on businesses across the world. Through this article, readers can have a better understanding of the current situation of businesses and their recent operation trends like remote working, employee motivation, and consumer behavior. The article further proceeds by evaluating the case study of few companies with a high growth perspective and profitability index. And seeks the relevance through checking the feasibility of business models and planning policies for the next consecutive quarters to combat the situation.

Keywords: Economic Slowdown, Profitability Index, Corporate Strategies

Read Full Paper · Download PDF · Back to index

---

58 Profanity detection in social media text using a hybrid approach of NLP and machine learning

Paper ID V7I1-1269 · Pages 292-294 · Computer Science Engineering

Raktim Chatterjee, Student, Guru Nanak Institute of Technology, Kolkata, West Bengal
Sukanya Bhattacharya, Student, Guru Nanak Institute of Technology, Kolkata, West Bengal
Soumyajeet Kabi, Student, Guru Nanak Institute of Technology, Kolkata, West Bengal

Profanity is socially offensive language, which may also be called cursing, cussing, swearing, or expletives.

© 2021, IJARIIT.COM All Rights Reserved

Nowadays where everything is digitally managed, there are lots of online platforms and forums which people use. If we take an example of any social media platform like Twitter, their privacy policy suggests that users cannot share or write any obscene/vulgar language on a public platform. Several corporate and research organizations discuss how such content is found and controlled, such as computer vision research has developed to detect illegal practices in public spaces, NLP has progressed to detect profanity in social media texts. However, existing profanity detection systems still remain flawed because of various factors. In this paper, we define and analyze the system which will use NLP and Machine learning approach to solve this. It is usually framed as a supervised learning problem. Generic features such as Bag-Of-Words or embeddings systematically deliver fair success in classification. Lexical resources in combination with models such as Linear Support Vector Machine (SVM); feature modeling specific linguistic constructs making it more effective in classification.

Keywords: Linguistic, Classification, Features, Profane, Learning

Read Full Paper · Download PDF · Back to index

---

59 Optimism at workplace

Paper ID V7I1-1273 · Pages 295-298 · Management

S. Ramesh, Christian Medical College, Vellore, Tamil Nadu
Annie Valsan, Senior Manager, Christian Medical College, Vellore, Tamil Nadu

Optimism is a management strategy that gives tremendous energy to face any challenges. Optimism is a state of mind. Optimistic employees never succumb to any negativity, instead, they stay determined to reach their goals and enjoy the work. If you want to succeed in your career you have to overcome all the odds. This article focuses on workplace optimism, its challenges, and opportunities.

Keywords: Optimism, Strategy, Management

Read Full Paper · Download PDF · Back to index

---

60 Review paper on scope of Atmanirbhar Bharat

Paper ID V7I1-1271 · Pages 299-304 · Economy

Shritish Shete, Student, Priyadarshini Institute of Engineering and Technology, Nagpur, Maharashtra
Siddhi Dave, Student, Priyadarshini Institute of Engineering and Technology, Nagpur, Maharashtra

“Necessity is the mother of invention”. Like all the other countries India is also fighting with the Covid-19 Pandemic. The pandemic creates huge inflation, economic depression all over the world. However, it also turns out an opportunity for India to be stand out as global manufacture and self-reliant under the AtmaNirbhar Bharat program. This Abhiyan is started to mitigate the negative effects of the COVID-19 pandemic. We have to take steps to ensure that products which we import from elsewhere are manufactured in India. Our whole paper highlights the practical implementation areas with detailed reviews. It will also showcase how the Indian Youth should participate and shape the AtmaNirbhar Module for the betterment of the motherland. It tries to analyze the limitations and bring out various suggestions to utilize the existing capacity for becoming a global supplier. Our paper delivers the extended arm towards the five significant pillars of the AtmaNirbhar Bharat mission

© 2021, IJARIIT.COM All Rights Reserved

named Economy, Infrastructure, System, Demography, and Demand. It also highlights the four prime sectors like Rural Tourism, Electronic, Information Technology, and Modern Agriculture which are competent to give a quantum scale growth in this initiative. Our paper's sole aim is to converge the differential building blocks of the AtmaNirbhar Bharat mission.

Keywords: Economy, Infrastructure, Inflation, Converge, Differential.

Read Full Paper · Download PDF · Back to index

---

61 Introduction to charging technology in E-vehicles

Paper ID V7I1-1270 · Pages 305-307 · Electrical Engineering

Chaitanya Arun Patil, Student, Marathwada Mitra Mandal's College of Engineering, Pune, Maharashtra

With the growing need for mobility, the percentage of fossil fuel consumption is increasing day by day. Fuel like petrol and diesel are depleting and also causing pollution. So, there is an emergent need to switch to a more environmentally friendly mode of mobility. Considering this E-Vehicle has become the best substitute for IC engine cars. This Paper lightens Techniques of Charging of Electric Vehicles, Levels of Charging, Recent Technology in Charging and Batteries used in of Electric Vehicles

Keywords: Electric Vehicles, Charging Technology, EV, Batteries, Fast Charging, Rapid Charging, Li-Ion Batteries

Read Full Paper · Download PDF · Back to index

---

62 Stock market price prediction using Neural Networks

Paper ID V7I1-1274 · Pages 308-312 · Computer Science Engineering

Deebak S., Student, United Institute of Technology, Coimbatore, Tamil Nadu
Dr.P.Sindhuja, Associate Professor, United Institute of Technology, Coimbatore, Tamil Nadu

In this research analysis, in addition to the conventional ARIMA model, specific long short-term memory (LSTM), stacked-LSTM, and concept-based LSTM were used to calculate next day expenses. Furthermore, using our expectation, we developed two modes of transmission, different and important identity. Our database information not only includes the usual end-of-day expense and transfer modules, but also includes corporate bookkeeping insights, which are effortlessly selected and used in samples. With the regular ARIMA model, learning the next model in anticipation of the next day's stock costs, especially long short-term memory model (LSTM), stacked-LSTM, and concept-based LSTM. In addition, using our forecast, we developed two exchange procedures and developed differential and scale. Our database information not only includes regular end-of-day cost and transfer modules, but also includes corporate bookkeeping metrics, which are deliberately selected and used in samples. Bookkeeping information is considered information and cost plans for a company that no longer relies on expanding the pioneering power of the model. The effect indicates that the LSTM beats any remaining model in relation to the forecast error and shows a lot better yield in our transfer practice on different models. Besides, we found that the stacked-LSTM model does not improve the advance control over the LSTM.

© 2021, IJARIIT.COM All Rights Reserved

Keywords: Stock Market prediction, Tensor Flow, Deep Learning with Stock Market Analysis, Neural Networks with Stock market price prediction

Read Full Paper · Download PDF · Back to index

---

63 To study the effect of tool pin profile on mechanical properties and micro structure of friction stir welding magnesium alloy

Paper ID V7I1-1264 · Pages 313-321 · Mechanical Engineering

Sai Krishna Praneeth Duggirala, Student, CVR College of Engineering, Hyderabad, Telangana

Friction stir welding (FSW) is a solid-state joining process that uses a non-consumable tool to join two facing workpieces without melting the workpiece material. This is performed by using a milling machine. Heat is generated by friction between the rotating tool and the workpiece material, which leads to a softened region near the FSW tool. Magnesium alloy is the most widely used due to its excellent corrosion resistance, high ductility and reflective finish, lightweight material used in industries and aerospace, the selected material was welded with Friction Stir Welding (FSW) process, by using a combination of different tool rotation speed (1500 rpm, 2500 rpm, 3500 rpm) and welding speed (10 mm/min, 30 mm/min, 50 mm/min) as welding parameters. The weldments are welded by changing the tool length, the material of tool, depth of indentation, by changing tilt angle and the welded joints were tested using the universal testing machine, Ultimate Tensile Strength and hardness test. By using the above testing methods various parameters and grain structure of welded joints are studied.

Keywords: FSW , MAGNESIUM AZ31

Read Full Paper · Download PDF · Back to index

---

64 Dynamic request redirection for mining system services under Heterogeneous Distributed System

Paper ID V7I1-1275 · Pages 322-325 · Computer Science And Engineering

Jyotsna Ramakant Surale, Student, Maharastra Institute of Technology, Aurangabad, Maharashtra

Generating the common patterns in transactional the database Apriori mining algorithm deemed among the most significant. Apriori mining algorithm is an association concept mining masterstroke algorithm. Enhanced possibility of the many-core processors allows one to update the algorithms and the applications in order to achieve the computing power from many-core sources, which finds sets of a regular item are higher in terms of machine usage and power of CPU. The simultaneous frequency item sets mining algorithms to provide the direction to resolve the problem of the distribution of candidates between processors.

Keywords: Parallel implementation, Parallel apriori mining algorithm, Data mining, Association rules, Apriori mining algorithm.

Read Full Paper · Download PDF · Back to index

© 2021, IJARIIT.COM All Rights Reserved

65 Hepatoprotective and Antioxidant activity of Acalypha Indica l. whole plant against ethanol-induced hepatic damage in male Wistar rats

Paper ID V7I1-1204 · Pages 326-337 · Pharmacology

Valli Gunti, Assistant Professor, ASN Pharmacy College, Tenali, Andhra Pradesh

The present study is aimed to evaluate hepatoprotective and antioxidant activity of Acalypha indica L. methanolic on the Ethanol induced hepatotoxicity. Material and method: Hepatotoxicity was induced by Ethanol 40%v/v (0.4ml/kg b.wt) for 25days. Methanolic extract of Acalypha indica at different doses (100 and 300 mg/kg b.wt.) were administered to male Wistar rats weighing between 150 and 200 g from 26 to 50 days. Then activity of Acalypha indica against Ethanol was compared with Silymarin (100 mg/kg b.wt). Biochemical parameters like serum SGPT, SGOT, ALP and total Bilirubin and levels of anti-oxidants were estimated to assess the liver function. Histopathological changes were assessed using H&E staining. Results: Phytochemical analysis showed that methanolic extract of Acalypha indica contains poly phenolic compounds, tannins, flavanoids, alkaloids and saponins. Acute toxicity study shows that methanolic extract was safe up to 2000 mg/kg body weight. The toxicant induced a rise in the plasma enzyme levels of ALT, SGOT, SGPT and total Bilirubin level and oxidative stress. This increased level was significantly lowered by the extract at 300 mg/kg bw than 100 mg/kg bw. The Histopathological changes showed recovery in animals treated with the extract. Conclusion: The finding suggests there was significant reduction in elevated levels of serum enzymes and oxidative stress levels . From the above it is found that Acalypha indica extract in curative study exhibit a marked hepatoprotective activity. This shows the addition of this plant in the management of liver disorders.

Keywords: Indica L., Hepatoprotective, Antioxidant, Methanol, Ethanol

Read Full Paper · Download PDF · Back to index

---

66 Improvement of power quality by fuzzy rules using particle swarm intelligence

Paper ID V7I1-1281 · Pages 338-342 · Electrical Engg

Sandeep Sharma, Student, Baddi University Emerging Sciences and Technology, Baddi, Himachal Pradesh
Geena Sharma, Assistant Professor, Baddi University Emerging Sciences and Technology, Baddi, Himachal Pradesh

the proposed approach is used to address the drawbacks of the traditional sag detection process. With the suggested model, the controller is able to detect various types of power quality issues without the need for an error and injects the necessary voltage part to fix any irregularity in the terminal voltage instantly to maintain the load voltage at the nominal value balanced and steady. The experimental findings and simulation show that the suggested series compensator efficiently defends against voltage decreases the most critical charge

Keywords: Sag, Swell, Optimization, Fuzzy

Read Full Paper · Download PDF · Back to index

© 2021, IJARIIT.COM All Rights Reserved

67 Literature survey for Sahara – Systematic analysis of health-vitals in an automated real-time atmosphere

Paper ID V7I1-1283 · Pages 343-352 · Computer Science

Aishwarya Gupta, Student, Dayananda Sagar College of Engineering, Bengaluru, Karnataka
Divya P. Hathwar, Student, Dayananda Sagar College of Engineering, Bengaluru, Karnataka
Yash N. Shah, Student, Dayananda Sagar College of Engineering, Bengaluru, Karnataka
Chandana Vijayakumar, Student, Dayananda Sagar College of Engineering, Bengaluru, Karnataka
Arbind Kumar Gupta, Professor, Dayananda Sagar College of Engineering, Bengaluru, Karnataka

The world of healthcare is undergoing rapid changes with changing and the emergence of new technologies. In order to maintain good health, frequent visits to healthcare centers can help us understand the current status of our internal health. In spite of investment in infrastructure and healthcare services, access to healthcare for people in rural India is still a problem. For the growth of rural healthcare, several government programs have been initiated, but the availability of quality healthcare for all is still a dream, with quality and number of doctors per capita falling well below the global average. Telemedicine as new technology has offered great hope in making healthcare accessible to all but it has not found wider acceptance. In this paper, we have carried out an extensive survey by visiting PHCs in different states, compared the existing telemedicine system in the market.

Keywords: Healthcare, Telemedicine, PHC, Health-vitals, IoT, Real-time Data

Read Full Paper · Download PDF · Back to index

---

68 IoT based smart farming system

Paper ID V7I1-1280 · Pages 353-358 · Information Technology

Neha Patil, Student, Terna College of Engineering, Navi Mumbai, Maharashtra
Dr. Vaishali D. Khairnar, Head of Department, Terna College of Engineering, Navi Mumbai, Maharashtra

Agriculture has become an important growing sector due to the constantly increasing population throughout the world. In the agricultural sector, enhancing farm quality and farm productivity is a massive task without continual record-keeping ensuring high and quickly expanding food demands. Except for the growing population, climate change is a serious concern in the agriculture sector as well. To deal with such situations smart farming system using the cloud and Internet of Things is the best solution proposed in this research work. Smart farming can be used that may offer a collection of useful data i.e temperature, humidity. The Paperwork represents a smart device for farm field tracking that controls soil, humidity, and temperature. Based on these principles, it takes appropriate action after obtaining the sensor readings without human involvement. Soil temperature and moisture are gathered here and sensed values are processed for future data processing in the cloud.

Keywords: IoT, Agriculture, Monitoring, Sensors

Read Full Paper · Download PDF · Back to index

© 2021, IJARIIT.COM All Rights Reserved

69 Security in cloud computing using honey encryption

Paper ID V7I1-1282 · Pages 359-364 · Computer Science And Engineering

Navneet Singh Khurana, Student, SAM College of Engineering and Technology, Bhopal, Madhya Pradesh

As more and more data creation is happening in today's age, it is getting very difficult to store such a vast amount of information. The best way to store these vast amounts of data is to store it on the cloud. As people and big organizations are moving towards the cloud to store their data, security remains the primary concern. Is the data securing enough on the cloud? One of the ways to provide security in cloud computing is with Honey Encryption. Honey encryption generates ciphertext, which is provided with an incorrect decryption key, produces a believable plaintext. Hence, by providing false plaintext Honey Encryption provides assurance against Brute force attack. In addition, after the data encryption, SRM (Secure Repository Manager) divides the data into chunks of small data and uploads it to cloud servers.

Keywords: Cloud Computing, Homomorphic Encryption, Elliptic Curve Cryptography, Honey Encryption, Distribution Transforming Encoder, Secure Repository Manager

Read Full Paper · Download PDF · Back to index

---

70 Audio detail generation of the environment in a surveillance system for blind people

Paper ID V7I1-1284 · Pages 365-367 · Information Technology

Aryan Mishra, Student, Pune Institute of Computer Technology, Pune, Maharashtra
Tejas Mutyalwar, Student, Pune Institute of Computer Technology, Pune, Maharashtra
Kaustubh Kulkarni, Student, Pune Institute of Computer Technology, Pune, Maharashtra
Diwanshu Chouragade, Student, Pune Institute of Computer Technology, Pune, Maharashtra

Surveillance cameras are widely utilized as a resource to better control home environments such as monitoring children, the elderly, pets, and safety, among other applications. However, as it relates categorically to visual information, people who are visually impaired or blind are omitted due to the barriers that result from accessing information predicated on visual content. The purpose of this work is to propose a cumulation of deep learning techniques for the recognition of objects in video and to utilize an accessibility resource called audio-description to engender a narrative of detected information. The result is a video object narrative-based surveillance system that provides useful contextual information about the environment for blind and visually impaired people.

Keywords: Object Detection, Convolutional Neural Network, LSTM, Text-to-Speech

Read Full Paper · Download PDF · Back to index

---

71 Foraging efficiency of APIs spp. in Syzygium cumini (Myrtaceae)

Paper ID V7I1-1234 · Pages 368-371 · Apiculture

Amaravathi D., Research Scholar, Bangalore University, Bengaluru, Karnataka
Dr. M. Shankar Reddy, Professor, Bangalore University, Bengaluru, Karnataka

© 2021, IJARIIT.COM All Rights Reserved

The foraging behavior of honey bees (Apis spp.) on blackberry (Syzgium cumini) was studied in Bengaluru. During fully flower blooming period of March to April in 2019 and 2020. twenty days in each period of the year. It was noticed that honey bee intensely and preferably forage pollen first and then nectar almost thought the day from 6 am to 6 pm with a peak between 9 am to 11 am. And noticed that percentage of foraging Apis florea (51.18%), Apis dorsata(19.75%), Apis mellifera(14.76%), and Apis cerana(14.31%). Apis florea spent more time to forage per flower and at least one is Apis dorsata than the other.

Keywords: APIs Cerana, APIs Dorsata, APIs Florea, APIs Mellifera, Foraging Behaviour, Pollination, Syzgium Cumini

Read Full Paper · Download PDF · Back to index

---

72 Load Flow and Transient simulation of power system using PSSE software. A case study of interconnection for new run of river hydro power plant at Machai with national grid.

Paper ID V7I1-1266 · Pages 372-377 · Electrical Power Engineering

Nageen Jalal, Research Scholar, UET, Peshawar, Pakistan
Muhammad Iftikhar, Professor, UET, Peshawar, Pakistan
Mujtaba Hassan, K-Electric Employee, NED UET ,Karachi,Pakistan
Anjum Khalid, Professor, NED UET,Karachi, Pakistan

Copy and paste abstract from paper

Keywords: copy and paste from paper

Read Full Paper · Download PDF · Back to index

---

73 Comparative study of the prevalence of thyroid disorders

Paper ID V7I1-1277 · Pages 378-383 · Health And Disease

Rose Rani Minz, Research Scholar, Ranchi University Ranchi, Jharkhand
Dr. Manju Kumari, Associate Professor, Ranchi University Ranchi, Jharkhand

© 2021, IJARIIT.COM All Rights Reserved

Thyroid hormone disorders are the commonest endocrine disorder in India and also the commonestpreventable cause of mental retardation. The male and female ratio of the disease ranges from 4:1 to 7:1Untreated hypothyroidism during pregnancy can lead to delays in growth and intellectual development in thebaby. The present study focused on the comparison of prevalence of thyroid disorders on various aspects likeComparison of prevalence of thyroid disorder on the basis of age, on the basis of gender, and on the basis ofreligion. The clinic-based study was conducted in the clinic Ranchi, in this study 305 patients are taken assamples who visited the clinic for treatment of thyroid disorder (Hypothyroidism, Hyperthyroidism) from yearSept 2015 to Dec 2017. Patients of all ages are included in the study. Out of the 305 patients with a thyroiddisorder, 298 patients found to have hypothyroidism (98%) and 7 patients with hyperthyroidism (2%). Thecomparison of disorders found that hypothyroidism is more prevalent than hyperthyroidism. Thyroid disorder ismore prevalent in females than males. There is a high prevalence of thyroid dysfunction in female in Ranchiand need for similar studies from different regions of the country covering larger population are wellappreciated.

Keywords: Prevalence, Hypothyroidism, Hyperthyroidism, Comparison, Gender

Read Full Paper · Download PDF · Back to index

---

74 Online portal for study and book donation

Paper ID V7I1-1272 · Pages 384-387 · Technology

Nishant Kumar Singh, Professor, SRM Institute of Science and Technology, Ghaziabad, Uttar Pradesh

The point and object of this task are to set up an online gateway for the assortment of reading books so they can be given to the students who are out of luck. What this task will do is, gather the trade-in book from the understudy who has totally perused the book and completes his course effectively from the understudies and doesn't need the books any longer. After the assortment of these books, they would be given over to the NGOs which would check the books, and afterward whenever affirmed will be given to individuals straightforwardly or to the Government schools who will be giving out these books free of charge. Will the aggregate endeavors of the public authority, NGOs, and common society associations help in acquainting computerized activities with address the underlying difficulties and help in making learning seriously captivating and intriguing and simple to gather your books and In this project, we are also trying to cover the mode of online learning and preparation for higher study in village areas as well as city’s

Keywords: Online Study Portal, Collection of Reading Book, NGOs, and Donation

Read Full Paper · Download PDF · Back to index

---

75 IoT based traffic and street light control management for smart cities

Paper ID V7I1-1167 · Pages 388-390 · Electronics And Telecommunication

Monika J. Raut, Student, J.D. College of Engineering and Management, Nagpur, Maharashtra
Vrushali D. Jaywar, Student, J.D. College of Engineering and Management, Nagpur, Maharashtra
Sonali Bhoyar, Student, J.D. College of Engineering and Management, Nagpur, Maharashtra
Ashwini kumbhare, Student, J.D. College of Engineering and Management, Nagpur, Maharashtra

All metropolis cities suffer from traffic obstruction issues, particularly within the central downtown. traditional

© 2021, IJARIIT.COM All Rights Reserved

cities will be remodeled into good cities by exploiting data and communication technologies. The signal temporal arrangement changes with the density of the traffic and delay are given the assistance of a microcontroller. The web of Things (IoT) will play an important role in the accomplishment of good cities. The aim of this project is to style a density-based stoplight system interfaced with a barrier gate. This project proposes a microcontroller for temporal arrangement modification of the signal and buzzer action. before the barrier gate, a stop line is created and with the assistance of another IR device, the vehicle is caterpillar-tracked whenever it approaches the stop line If the vehicle crosses the stop line the hint is given to the close room. Node MCU microcontroller is employed for signal temporal arrangement modification supported the density of traffic.

Keywords: IoT, Road Traffic Management, Node MCU, Stoplight

Read Full Paper · Download PDF · Back to index

---

76 Automated leaf disease prediction and suggested remedies using Convolutional Neural Network (CNN) algorithm

Paper ID V7I1-1288 · Pages 391-396 · Image Processing

S. Ashwin kumar, Student, National Engineering College, Kovilpatti, Tamil Nadu
Dr. S. Rajagopal, Professor, National Engineering College, Kovilpatti, Tamil Nadu

The proposed system uses in identification of plant disease and provides remedies which will be used as a defence reaction against the disease. The data obtained from the Internet is correctly segregated and therefore the totally different plant species are identified and are renamed to form a proper database then obtain a test-database that consists of varied plant diseases that are used for checking the accuracy and confidence level of the project. By using training data we will train our image classifier and then output will be predicted with more accuracy. We use Convolution Neural Network(CNN) which comprises different layers which are used for prediction. A image drone model is additionally designed which might be used for live coverage of huge agricultural fields so that a high-resolution camera is connected and can capture images of the plants which will act as input for the software, based on which the software will tell us whether the plant is healthy or not. With our code and training model we have achieved an accuracy level of 78% .Our software gives us the name of the plant species with its confidence level and also the remedy that can be taken as a cure. Deep learning has become prominent with big data technologies and high-performance computing to create new opportunities for data-intensive science. In this paper, we tend to give a comprehensive review of analysis applications of deep learning in agricultural systems. The prediction and diagnosis in this project demonstrate how agriculture will benefit from deep learning technologies. The deep learning techniques used for farm management systems are entering into real-time artificial intelligence.

Keywords: CNN, Leaf disease prediction, Image processing, Deep learning

Read Full Paper · Download PDF · Back to index

© 2021, IJARIIT.COM All Rights Reserved

77 A study of the implementation of e-procurement in construction material traders with special reference to South Bangalore

Paper ID V7I1-1289 · Pages 397-400 · Logistics And Supply Chain Management

Sumit Patil, Student, K.L.E. Society's College of Business Administration (BBA), Lingaraj College

The purpose of the study was to explore the establishment of an e-procurement system in selected organizations in Bangalore. This was guided by certain objectives: What lessons can be learned from e-procurement implementation in the construction industry, what is the Importance of this study, the challenges, and benefits encountered when using an e-market provider for the construction industry and operations runs in the same field. To satisfy the research objective, the study population was made up of several vendors who provide the construction work material and targeted 100 vendors to collect the required data. Primary data was collected using structured questionnaires. Respondents from the organizations were purposively sampled which targeted the e-procurement project, procurement staff, and Accountant staff who working in the procurement department; and are still working in the above-mentioned organization. The study revealed that a number of reasons affected the implementation of an e-procurement system ranging from the individual level. The benefits will be enormous to those organizations that implement e-procurement fully.

Keywords: Procurement Management, Supply Chain and Logistics Management, and Operations

Read Full Paper · Download PDF · Back to index

78 A study of Vendor management at events with special reference to Goa

Paper ID V7I1-1290 · Pages 401-404 · Event Management

Dinesh Kolekar, Student, K.L.E. Society's College of Business Administration (BBA), Lingaraj College

This record gives records approximately the internship venture of the organization takes a look at. The file consists of statistics approximately the Event Management Industry all through the World, Event Management Industry in India and the organization profile This look at is executed primarily based totally on the goals as mentioned:- The occasion control enterprise with inside the global together with occasion control enterprise in India. The running of the enterprise who all of the leaders with inside the marketplace and what all are the tendencies withinside the marketplace. Event control is the software of task control to the advent and improvement of large-scale occasions such as festivals, conferences, ceremonies, weddings, formal parties, concerts, or conventions. It includes reading the brand, figuring out its goal audience, devising the occasion concept, and coordinating the technical elements earlier than really launching the occasion. The manner of making plans and coordinating the occasion is normally cited as occasion making plans and which could encompass budgeting, scheduling, web page selection, obtaining necessary permits, coordinating transportation and parking, arranging for audio system or entertainers, arranging decor, occasion security, catering, coordinating with 0.33 birthday celebration vendors, and emergency plans. Each occasion is exclusive in its nature so the method of making plans & execution of every occasion differs on the foundation of kind of occasion.

Keywords: Vendor Management Research

Read Full Paper · Download PDF · Back to index

© 2021, IJARIIT.COM All Rights Reserved

79 **Stock price prediction using sentiment analysis of business domains and company-related news data**

Paper ID V7I1-1242 · Pages 405-407 · Information Technology

Aditya Kadam, Student, Pune Institute of Computer Technology, Pune, Maharashtra
Akshay Hake, Student, Pune Institute of Computer Technology, Pune, Maharashtra
Pravin Salunkhe, Student, Pune Institute of Computer Technology, Pune, Maharashtra
Piyush Agrawal, Student, Pune Institute of Computer Technology, Pune, Maharashtra

The stock price of a company is volatile in nature but when considering long-term prediction of the stock price, it is dependent on the company's business model and feasibility of the environment for the company to work. This data related to company and domains in which the company works is available on the internet through news media but it is an arduous task for one to keep track of all this data and perform predictions on stock prices. The proposed model in this paper takes sentiment from this available data and provides a prediction of the stock price in the future with the deliberation of the market environment.

Keywords: Sentiment Analysis, Deep Learning, Stock Market, Data Mining, Web Scraping

Read Full Paper · Download PDF · Back to index

© 2021, IJARIIT.COM All Rights Reserved

Thank You!

www.IJARIIT.COM

Encouraging Research

Important Links	
Submit Paper Online	Author Guidelines
Track Your Paper	Call For Papers
Publication Fee	Current Issue

Contact Us

Volume 12, Issue 6 (November-December, 2026) is open for submissions. Last date: 31st December, 2026.

© 2021, IJARIIT.COM All Rights Reserved