PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT
5ᵗʰ mile, PULLADIGUNTA, Kornepadu (V), Vatticherkur (M), GUNTUR-522017 (A.P.)
Approved by AICTE, Affiliated to JNTUK
www.pitmgnt.ac.in

3.3.1 Number of research papers published per teacher in the Journals notified on UGC website during the last five year								
S.NO	Title of Paper	Name of the Author/s	Department of the Teacher	Name of Journal	Year of Publication	ISSN Number	Link to the recognition in UGC enlistment of the		
							Link to website of the Journal	Link to article / paper/ abstract of the article	Is it listed in UGC Care list
1	Adaptive Modulation For MU-MIMO-OFDM Systems In Underlay Cognitive Radio Networks	G. Vijaya	Electronics and Communication Engineering	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/ADAPTIVE-MODULATION-FOR-MU-MIMO-OFDM-SYSTEMS-IN-UNDERLAY-COGNITIVE-RADIO-NETWORKS.pdf	Yes
2	Adaptive Modulation For MU-MIMO-OFDM Systems In Underlay Cognitive Radio Networks	D. Suneel Kumar	Electronics and Communication Engineering	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/ADAPTIVE-MODULATION-FOR-MU-MIMO-OFDM-SYSTEMS-IN-UNDERLAY-COGNITIVE-RADIO-NETWORKS.pdf	Yes
3	Adaptive Modulation For MU-MIMO-OFDM Systems In Underlay Cognitive Radio Networks	T. Subba Sekhar	Electronics and Communication Engineering	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/ADAPTIVE-MODULATION-FOR-MU-MIMO-OFDM-SYSTEMS-IN-UNDERLAY-COGNITIVE-RADIO-NETWORKS.pdf	Yes

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

5th mile, PULLADIGUNTA, Kornepadu (V), Vatticherukur (M), GUNTUR-522017(A.P.)

Approved by AICTE, Affiliated to JNTUK

www.pitmgnt.ac.in

4	A Novel E-Band Tested For Polarization MIMO-OFDM Systems With Wideband IQ Imbalance Compensation	M. Ravi Kumar	Electronics and Communication Engineering	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/A-NOVEL-E-BAND-TESTBED-FOR-POLARIZATION-MIMO-OFDM-SYSTEMS-WITH-WIDEBAND-IQ-IMBALANCE-COMPENSATION.pdf	Yes
5	A Novel E-Band Tested For Polarization MIMO-OFDM Systems With Wideband IQ Imbalance Compensation	M. Sirisha	Electronics and Communication Engineering	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/A-NOVEL-E-BAND-TESTBED-FOR-POLARIZATION-MIMO-OFDM-SYSTEMS-WITH-WIDEBAND-IQ-IMBALANCE-COMPENSATION.pdf	Yes
6	A Novel E-Band Tested For Polarization MIMO-OFDM Systems With Wideband IQ Imbalance Compensation	D. Prudhvi Raj	Electronics and Communication Engineering	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/A-NOVEL-E-BAND-TESTBED-FOR-POLARIZATION-MIMO-OFDM-SYSTEMS-WITH-WIDEBAND-IQ-IMBALANCE-COMPENSATION.pdf	Yes
7	Automatic Database Schema Generation Tool For Executing SQL Queries	Y. Raj Kumar	Master of Business Administration	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/AUTOMATIC-DATABASE-SCHEMA-GENERATION-TOOL-FOR-EXECUTING-SQL-QUERIES.pdf	Yes

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT
5ᵗʰ mile, PULLADIGUNTA, Kornepadu(V), Vatticherlkur(M), GUNTUR-522017(A.P.)
Approved by AICTE, Affiliated to JNTUK
www.pitmgnt.ac.in

8	Automatic Database Schema Generation Tool For Executing SQL Queries	Abdul Rehman	Master of Business Administration	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/AUTOMATIC-DATABASE-SCHEMA-GENERATION-TOOL-FOR-EXECUTING-SQL-QUERIES.pdf	Yes
9	Automatic Database Schema Generation Tool For Executing SQL Queries	Chinta Sindhura	Master of Business Administration	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/AUTOMATIC-DATABASE-SCHEMA-GENERATION-TOOL-FOR-EXECUTING-SQL-QUERIES.pdf	Yes
10	A User- Centric Deep Learning Agenda for Cyber Security Operations-Applicant	M. Mohan Rao	Computer Science Engineering	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/A-User-Centric-Deep-Learning-Agenda-for-Cyber-Security-Operations-applicant.pdf	Yes
11	A User- Centric Deep Learning Agenda for Cyber Security Operations-Applicant	K. Ramakrishna	Computer Science Engineering	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/A-User-Centric-Deep-Learning-Agenda-for-Cyber-Security-Operations-applicant.pdf	Yes
12	A User- Centric Deep Learning Agenda for Cyber Security Operations-Applicant	N. Rohini Krishna Sai	Computer Science Engineering	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/A-User-Centric-Deep-Learning-Agenda-for-Cyber-Security-Operations-applicant.pdf	Yes
13	Pattern-Growth-Based Exploratory Visual Sequence Mining in Cloud Applications	D.Subhashini	Computer Science Engineering	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/Pattern-Growth-Based-Exploratory-Visual-Sequence-Mining-in-Cloud-Applications.pdf	Yes

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT
5ᵗʰ mile, PULLADIGUNTA, Kornepadu (V), Vatticherlkur (M), GUNTUR-522017(A.P.)
Approved by AICTE, Affiliated to JNTUK
www.pitmgnt.ac.in

14	Pattern-Growth-Based Exploratory Visual Sequence Mining in Cloud Applications	SK. Lal Mohammad	Computer Science Engineering	ZKG International	2023	2366-1313	https://zkgint ernational.co m/	https://zkginternati onal.com/archive/v olume8/Pattern-Growth-Based-Exploratory-Visual-Sequence-Mining-in-Cloud-Applications.pdf	Yes
15	Pattern-Growth-Based Exploratory Visual Sequence Mining in Cloud Applications	B. Ramaraju	Computer Science Engineering	ZKG International	2023	2366-1313	https://zkgint ernational.co m/	https://zkginternati onal.com/archive/v olume8/Pattern-Growth-Based-Exploratory-Visual-Sequence-Mining-in-Cloud-Applications.pdf	Yes
16	Consumer-Perception-Towards-Electric-Vehicle-Industry-A-Study-On-The-Role-Of-Electrical-Vehicles-In-Environmental-Sustainability	D.L. Komala Rao	Mechanical Engineering	IJTE	2023	2057-5688	http://ijte.uk/ archive	http://ijte.uk/archiv e/CONSUMER-PERCEPTION-TOWARDS-ELECTRIC-VEHICLE-INDUSTRY-A-STUDY-ON-THE-ROLE-OF-ELECTRICAL-VEHICLE-IN-ENVIRONMENTAL-SUSTAINABILITY.pdf	Yes
17	Consumer-Perception-Towards-Electric-Vehicle-Industry-A-Study-On-The-Role-Of-Electrical-Vehicles-In-Environmental-Sustainability	Ch. Pavan Kumar	Mechanical Engineering	IJTE	2023	2057-5688	http://ijte.uk/ archive	http://ijte.uk/archiv e/CONSUMER-PERCEPTION-TOWARDS-ELECTRIC-VEHICLE-INDUSTRY-A-STUDY-ON-THE-ROLE-OF-ELECTRICAL-VEHICLE-IN-ENVIRONMENTAL-SUSTAINABILITY.pdf	Yes

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT
5th mile, PULLADIGUNTA, Kornepadu (V), Vatticherukur (M), GUNTUR-522017 (A.P.)

Approved by AICTE, Affiliated to JNTUK

www.pitmgnt.ac.in

18	Consumer-Perception-Towards-Electric-Vehicle-Industry-A-Study-On-The-Role-Of-Electrical-Vehicles-In-Environmental-Sustainability	V. Anil Kumar	Mechanical Engineering	IJTE	2023	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/CONSUMER-PERCEPTION-TOWARDS-ELECTRIC-VEHICLE-INDUSTRY-A-STUDY-ON-THE-ROLE-OF-ELECTRICAL-VEHICLE-IN-ENVIRONMENTAL-SUSTAINABILITY.pdf	Yes
19	Design and Development of Ambulance Service Provider	K. Sambaiah	Mechanical Engineering	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/Design-and-Development-of-Ambulance-Service-Provider.pdf	Yes
20	Design and Development of Ambulance Service Provider	K. Venkateswarlu	Mechanical Engineering	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/Design-and-Development-of-Ambulance-Service-Provider.pdf	Yes
21	Design and Development of Ambulance Service Provider	P. Sivaiah	Mechanical Engineering	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/Design-and-Development-of-Ambulance-Service-Provider.pdf	Yes
22	Generalization of Wigner Time Delay to Sub-Unitary Scattering Systems	Dr. P. Rajasekhar	S &H (Mathematics)	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/Generalization-of-Wigner-Time-Delay-to-Sub-Unitary-ScatteringSystems.pdf	Yes
23	Generalization of Wigner Time Delay to Sub-Unitary Scattering Systems	Rambabu Burri	S &H (Mathematics)	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/Generalization-of-Wigner-Time-Delay-to-Sub-Unitary-ScatteringSystems.pdf	Yes

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

5ᵗʰ mile, PULLADIGUNTA, Kornepadu (V), Vatticherukur (M), GUNTUR-522017(A.P.)

Approved by AICTE, Affiliated to JNTUK

www.pitmgnt.ac.in

24	Generalization of Wigner Time Delay to Sub-Unitary Scattering Systems	Sk. Hussain	S &H (Mathematics)	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/Generalization-of-Wigner-Time-Delay-to-Sub-Unitary-ScatteringSystems.pdf	Yes
25	The-Versatility-of-Squaramides-From-Supramolecular-Chemistry-to-Chemical-Biology	Dr. Ravi Kumar Kakitha	S&H (Chemistry)	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/The-Versatility-of-Squaramides-From-Supramolecular-Chemistry-to-Chemical-Biology.pdf	Yes
26	The-Versatility-of-Squaramides-From-Supramolecular-Chemistry-to-Chemical-Biology	Krishna Galidinne	S&H (Chemistry)	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/The-Versatility-of-Squaramides-From-Supramolecular-Chemistry-to-Chemical-Biology.pdf	Yes
27	The-Versatility-of-Squaramides-From-Supramolecular-Chemistry-to-Chemical-Biology	Bhimisetty Srinivasulu	S&H (Chemistry)	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/The-Versatility-of-Squaramides-From-Supramolecular-Chemistry-to-Chemical-Biology.pdf	Yes
28	Writing-and-Publishing-Science-Research-Papers-in-English.	Nirmala Devi Dasari	S&H (English)	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/Writing-and-Publishing-Science-Research-Papers-in-English.pdf	Yes
29	Writing-and-Publishing-Science-Research-Papers-in-English.	Badinedi Srinivasa Rao	S&H (English)	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/Writing-and-Publishing-Science-Research-Papers-in-English.pdf	Yes

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT
5ᵗʰ mile, PULLADIGUNTA, Kornepadu (V), Vatticherukur (M), GUNTUR-522017 (A.P.)
Approved by AICTE, Affiliated to JNTUK
www.pitmgnt.ac.in

30	Writing-and-Publishing-Science-Research-Papers-in-English.	Swagath	S&H (English)	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/Writing-and-Publishing-Science-Research-Papers-in-English.pdf	Yes
31	Study of Physical & Mechanical Properties Of Foamed Concrete	K. Dayakara Babu	Civil Engineering	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/STUDY-OF-PHYSICAL-MECHANICAL-PROPERTIES-OF-FOAMEDCONCRETE.pdf	Yes
32	Study of Physical & Mechanical Properties Of Foamed Concrete	Sk. Nagur Sharief	Civil Engineering	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/STUDY-OF-PHYSICAL-MECHANICAL-PROPERTIES-OF-FOAMEDCONCRETE.pdf	Yes
33	Study of Physical & Mechanical Properties Of Foamed Concrete	T. Monika	Civil Engineering	ZKG International	2023	2366-1313	https://zkginternational.com/	https://zkginternational.com/archive/volume8/STUDY-OF-PHYSICAL-MECHANICAL-PROPERTIES-OF-FOAMEDCONCRETE.pdf	Yes
34	Sewage Treatment Plant Design for a City	B. Beeraiah	Civil Engineering	IJTE	2023	2057-5688	http://ijte.uk/archive	https://zkginternational.com/archive/volume8/Sewage-Transport-Plant-Design-For-A-City	Yes
35	Sewage Treatment Plant Design for a City	P. Rajesh	Civil Engineering	IJTE	2023	2057-5688	http://ijte.uk/archive	https://zkginternational.com/archive/volume8/Sewage-Transport-Plant-Design-For-A-City	Yes
36	Sewage Treatment Plant Design for a City	A. Sushma	Civil Engineering	IJTE	2023	2057-5688	http://ijte.uk/archive	https://zkginternational.com/archive/volume8/Sewage-Transport-Plant-Design-For-A-City	Yes

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT
5ᵗʰ mile, PULLADIGUNTA, Kornepadu (V), Vatticherkur (M), GUNTUR-522017 (A.P.)
Approved by AICTE, Affiliated to JNTUK
www.pitmgnt.ac.in

37	A-Hybrid-Precoding-Process-for-Encryption-Decryption-Techniques-for-Cloud-Data-Confidentiality	E. Ramesh	Computer Science Engineering	IJTE	2022	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2022/A-Hybrid-Precoding-Process-for-Encryption-Decryption-Techniques-for-Cloud-Data-Confidentiality.pdf	Yes
38	A-Hybrid-Precoding-Process-for-Encryption-Decryption-Techniques-for-Cloud-Data-Confidentiality	G. Priyanka	Computer Science Engineering	IJTE	2022	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2022/A-Hybrid-Precoding-Process-for-Encryption-Decryption-Techniques-for-Cloud-Data-Confidentiality.pdf	Yes
39	A-Hybrid-Precoding-Process-for-Encryption-Decryption-Techniques-for-Cloud-Data-Confidentiality	R. Geetha Sri	Computer Science Engineering	IJTE	2022	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2022/A-Hybrid-Precoding-Process-for-Encryption-Decryption-Techniques-for-Cloud-Data-Confidentiality.pdf	Yes
40	Design and Development of Ambulance Service Provider	P. Phaneendra	Master of Business Administration	IJTE	2022	2057-5688	http://ijte.uk/archive	https://zkginternational.com/archive/volume8/Design-and-Development-of-Ambulance-Service-Provider.pdf	Yes
41	Design and Development of Ambulance Service Provider	K. Chandu	Master of Business Administration	IJTE	2022	2057-5688	http://ijte.uk/archive	https://zkginternational.com/archive/volume8/Design-and-Development-of-Ambulance-Service-Provider.pdf	Yes
42	Design and Development of Ambulance Service Provider	G. Nagalalleswara Rao	Master of Business Administration	IJTE	2022	2057-5688	http://ijte.uk/archive	https://zkginternational.com/archive/volume8/Design-and-Development-of-Ambulance-Service-Provider.pdf	Yes
43	Squaramide-Catalyzed-Enantioselective-Michael-Addition-of-MaskedAcyl-Cyanides-to-Substituted-Enones.	B. Srinivasa Rao	S&H (Physics)	IJTE	2022	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2022/Squaramide-Catalyzed-Enantioselective-Michael-Addition-of-MaskedAcyl-Cyanides-to-Substituted-Enones.pdf	Yes

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

5th mile, PULLADIGUNTA, Kornepadu (V), Vatticherukur (M), GUNTUR-522017 (A.P.)

Approved by AICTE, Affiliated to JNTUK

www.pitmgnt.ac.in

44	Squaramide-Catalyzed-Enantioselective-Michael-Addition-of-MaskedAcyl-Cyanides-to-Substituted-Enones.	K. Srinivasa Rao	S&H (Physics)	IJTE	2022	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2022/Squaramide-Catalyzed-Enantioselective-Michael-Addition-of-MaskedAcyl-Cyanides-to-Substituted-Enones.pdf	Yes
45	Squaramide-Catalyzed-Enantioselective-Michael-Addition-of-MaskedAcyl-Cyanides-to-Substituted-Enones.	Sk. Abdul Sattar	S&H (Physics)	IJTE	2022	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2022/Squaramide-Catalyzed-Enantioselective-Michael-Addition-of-MaskedAcyl-Cyanides-to-Substituted-Enones.pdf	Yes
46	Deep Learning and Optimization for degrading single numbers document with CNN	R. Madhuri Devi	Computer Science Engineering	IJTE	2021	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2021/volume1/Deep-Learning-and-Optimization-for-degrading-single-numbers-document-with-CNN.pdf	Yes
47	Deep Learning and Optimization for degrading single numbers document with CNN	P. Ravi Babu	Computer Science Engineering	IJTE	2021	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2021/volume1/Deep-Learning-and-Optimization-for-degrading-single-numbers-document-with-CNN.pdf	Yes

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

5ᵗʰ mile, PULLADIGUNTA, Kornepadu (V), Vatticherukur (M), GUNTUR-522017 (A.P.)

Approved by AICTE, Affiliated to JNTUK

www.pitmgnt.ac.in

48	Deep Learning and Optimization for degrading single numbers document with CNN	Ch. Sravanthi	Computer Science Engineering	IJTE	2021	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2021/volume1/Deep-Learning-and-Optimization-for-degrading-single-numbers-document-with-CNN.pdf	Yes
49	Analysis of 5G Wireless Systems in FR1 and FR2 Frequency Bands	S. Vijay	Electronics and Communication Engineering	IJTE	2021	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2022/Analysis-of-5G-Wireless-Systems-in-FR1-and-FR2-Frequency-Bands.pdf	Yes
50	Analysis of 5G Wireless Systems in FR1 and FR2 Frequency Bands	K. Rama SubbaRao	Electronics and Communication Engineering	IJTE	2021	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2022/Analysis-of-5G-Wireless-Systems-in-FR1-and-FR2-Frequency-Bands.pdf	Yes
51	Analysis of 5G Wireless Systems in FR1 and FR2 Frequency Bands	M. Srinivasa Rao	Electronics and Communication Engineering	IJTE	2021	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2022/Analysis-of-5G-Wireless-Systems-in-FR1-and-FR2-Frequency-Bands.pdf	Yes

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT
5th mile, PULLADIGUNTA, Kornepadu (V), Vatticherukur (M), GUNTUR-522017 (A.P.)
Approved by AICTE, Affiliated to JNTUK
www.pitmgnt.ac.in

52	Multicore MIMO-OFDM- LTE- Optimizing	Y. Kondaiah	Electronics and Communication Engineering	IJTE	2021	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2021/volume4/Multicore-MIMO-OFDM-LTE-Optimizing.pdf	Yes
53	Multicore MIMO-OFDM- LTE- Optimizing	M. Veera Venkata Ramana	Electronics and Communication Engineering	IJTE	2021	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2021/volume4/Multicore-MIMO-OFDM-LTE-Optimizing.pdf	Yes
54	Multicore MIMO-OFDM- LTE- Optimizing	G. Mahesah Babu	Electronics and Communication Engineering	IJTE	2021	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2021/volume4/Multicore-MIMO-OFDM-LTE-Optimizing.pdf	Yes
55	Design- of-irrigation- canal-and- Comparision –of- Irrigation-System	S. Madhu Bala	Civil Engineering	IJTE	2021	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2023/Design-of-irrigation-canal-and-comparison-of-irrigation-system.pdf	Yes
56	Design- of-irrigation- canal-and- Comparision –of- Irrigation-System	B. Hima Bindhu	Civil Engineering	IJTE	2021	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2023/Design-of-irrigation-canal-and-comparison-of-irrigation-system.pdf	Yes

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

5ᵗʰ mile, PULLADIGUNTA, Kornepadu (V), Vatticherukur (M), GUNTUR-522017 (A.P.)

Approved by AICTE, Affiliated to JNTUK

www.pitmgnt.ac.in

57	Design- of- irrigation- canal- and- Comparision –of- Irrigation- System	A. Divya	Civil Engineering	IJTE	2021	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2023/Design-of-irrigation-canal-and-comparison-of-irrigation-system.pdf	Yes
58	Robust-Machine-Learning-Model-for-ECG-Based-Heartbeat-Classification-and-Arrhythmia-Optimization-Prediction-Analysis.	K. Kiran Kumar	Computer Science Engineering	IJTE	2020	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2020/Robust-Machine-Learning-Model-for-ECG-Based-Heartbeat-Classification-and-Arrhythmia-Optimization-Prediction-Analysis.pdf	Yes
59	Robust-Machine-Learning-Model-for-ECG-Based-Heartbeat-Classification-and-Arrhythmia-Optimization-Prediction-Analysis.	P. Ravi Babu	Computer Science Engineering	IJTE	2020	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2020/Robust-Machine-Learning-Model-for-ECG-Based-Heartbeat-Classification-and-Arrhythmia-Optimization-Prediction-Analysis.pdf	Yes
60	Robust-Machine-Learning-Model-for-ECG-Based-Heartbeat-Classification-and-Arrhythmia-Optimization-Prediction-Analysis.	Y. Srinivasa Rao	Computer Science Engineering	IJTE	2020	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2020/Robust-Machine-Learning-Model-for-ECG-Based-Heartbeat-Classification-and-Arrhythmia-Optimization-Prediction-Analysis.pdf	Yes

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT
5ᵗʰ mile, PULLADIGUNTA, Kornepadu (V), Vatticherukur (M), GUNTUR-522017 (A.P.)
Approved by AICTE, Affiliated to JNTUK
www.pitmgnt.ac.in

61	Design of a Fuzzy PI Controller for Peak-to-Average Reduction in Output Current of LED Drivers	T. Ramanjaneyulu	Electrical and Electronics Engineering	IJTE	2020	2057-5688	http://ijte.uk/archive	https://ijte.uk/archive/2020/Design -of-a-Fuzzy- PI - Controller -for- Peak-to-Average – Reduction- in - Output –Current- of LED –Drivers.pdf	Yes
62	Design of a Fuzzy PI Controller for Peak-to-Average Reduction in Output Current of LED Drivers	Sk. Saleem	Electrical and Electronics Engineering	IJTE	2020	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive / Design of a Fuzzy PI Controller for Peak-to-Average Reduction in Output Current of LED Drivers.pdf	Yes
63	Design of a Fuzzy PI Controller for Peak-to-Average Reduction in Output Current of LED Drivers	P.K. Kishore Babu	Electrical and Electronics Engineering	IJTE	2020	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive / Design of a Fuzzy PI Controller for Peak-to-Average Reduction in Output Current of LED Drivers.pdf	Yes
64	A Novel Hybrid PV Inverter Topology For 3-Phase Grid Coupled Applications	S. SuryaChandra	Electrical and Electronics Engineering	ZKG International	2020	2366-1313	https://zkginternational.com	https://zkginternational.com/archive/volume8/ A Novel Hybrid PV Inverter Topology For 3-Phase Grid Coupled Applications.pdf	Yes
65	A Novel Hybrid PV Inverter Topology For 3-Phase Grid Coupled Applications	K. Jyothi	Electrical and Electronics Engineering	ZKG International	2020	2366-1313	https://zkginternational.com	https://zkginternational.com/archive/volume8/ A Novel Hybrid PV Inverter Topology For 3-Phase Grid Coupled Applications.pdf	Yes
66	A Novel Hybrid PV Inverter Topology For 3-Phase Grid Coupled Applications	P. Srinivasa Rao	Electrical and Electronics Engineering	ZKG International	2020	2366-1313	https://zkginternational.com	https://zkginternational.com/archive/volume8/ A Novel Hybrid PV Inverter Topology For 3-Phase Grid Coupled Applications.pdf	Yes

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

5th mile, PULLADIGUNTA, Kornepadu (V), Vatticherukur (M), GUNTUR-522017 (A.P.)

Approved by AICTE, Affiliated to JNTUK

www.pitmgnt.ac.in

67	Robust Analysis Of Dynamic Voltage Restorer Under Sagand Swell Conditions	Dr.D. Srinivasa Rao	Electrical and Electronics Engineering	ZKG International	2019	2366-1313	https://zkginternational.com	https://zkginternational.com/archive/volume8/ Robust Analysis Of Dynamic Voltage Restorer Under Sagand Swell Conditions.pdf	Yes
68	Robust Analysis Of Dynamic Voltage Restorer Under Sagand Swell Conditions	Sk. Salam Babu	Electrical and Electronics Engineering	ZKG International	2019	2366-1313	https://zkginternational.com	https://zkginternational.com/archive/volume8/ Robust Analysis Of Dynamic Voltage Restorer Under Sagand Swell Conditions.pdf	Yes
69	Robust Analysis Of Dynamic Voltage Restorer Under Sagand Swell Conditions	K. Koteswara Rao	Electrical and Electronics Engineering	ZKG International	2019	2366-1313	https://zkginternational.com	https://zkginternational.com/archive/volume8/ Robust Analysis Of Dynamic Voltage Restorer Under Sagand Swell Conditions.pdf	Yes
70	Design and Fabrication of Treadmill Bicycle	Y. Gopi	Mechanical Engineering	IJTE	2019	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive /2019/ Design and Fabrication of Treadmill Bicycle.pdf	Yes
71	Design and Fabrication of Treadmill Bicycle	Abdul Karim	Mechanical Engineering	IJTE	2019	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive /2019/ Design and Fabrication of Treadmill Bicycle.pdf	Yes
72	Design and Fabrication of Treadmill Bicycle	M. Anil Kumar	Mechanical Engineering	IJTE	2019	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive /2019/ Design and Fabrication of Treadmill Bicycle.pdf	Yes

PRIYADARSHINI INSTITUTE OF TECHNOLOGY AND MANAGEMENT
5th mile, PULLADIGUNTA, Kornepadu (V), Vatticherlur (M), GUNTUR-522017 (A.P.)

Approved by AICTE, Affiliated to JNTUK

www.pitmgnt.ac.in

73	A Study of Savings And Investment Pattern Of Semi-Medium And Medium Farmers With Special Reference	Dr. K. Srinivas	Master of Business Administration	IJTE	2019	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2019/ A Study of Savings And Investment Pattern Of Semi-Medium And Medium Farmers With Special Reference.pdf	Yes
74	A Study of Savings And Investment Pattern Of Semi-Medium And Medium Farmers With Special Reference	I. Mantralaya	Master of Business Administration	IJTE	2019	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2019/ A Study of Savings And Investment Pattern Of Semi-Medium And Medium Farmers With Special Reference.pdf	Yes
75	A Study of Savings And Investment Pattern Of Semi-Medium And Medium Farmers With Special Reference	R. Sudhakar	Master of Business Administration	IJTE	2019	2057-5688	http://ijte.uk/archive	http://ijte.uk/archive/2019/ A Study of Savings And Investment Pattern Of Semi-Medium And Medium Farmers With Special Reference.pdf	Yes

PRINCIPAL
PRIYADARSHINI INSTITUTE OF
TECHNOLOGY & MANAGEMENT
5th Mile, Pulladigunta,
KORNEPADU (VII), Vatticherukuru (M),
GUNTUR - 522 017.

ADAPTIVE MODULATION FOR MU-MIMO-OFDM SYSTEMS IN UNDERLAY COGNITIVE RADIO NETWORKS

G.VIJAYA [1], D. Suneel Kumar [2], T. Subba Sekhar[3]

[1] Assistant professor, Assistant Professor, [3] Assistant professor

Department of Electronics and Communication Engineering

Priyadarshini institute of technology & management, guntur

Abstract— In this paper, a modified rate quantization algorithm for multi-user multiple-input-multiple-output-orthogonal frequency division multiplexing (MU-MIMO-OFDM) cognitive architectures is proposed. Targeting to fulfill the requirements of 5G communications systems and beyond, while keeping a low complexity degree, we first adapt the sub-channel transmit power and spectral efficiency in the spatial and temporal domains under transmit power and instantaneous bit error rate (BER) constraints. We then use a stochastic algorithm to maximize the rate and transmit power of each secondary user (SU) over the spatial eigen-channels of the corresponding subcarrier MIMO channel, under the constraints of average power budget and probability of interference. It is shown that the proposed scheme outperforms the extended rounding-off (SR) alternative, for the entire SNR range.

Keywords— Multi-user, MIMO-OFDM systems, Stochastic algorithms, CSI imperfections, Adaptive modulation

I.INTRODUCTION

The multiple-input-multiple-output (MIMO) technology received significant attention in the last years, due to its interesting feature in offering a significant spectral efficiency, by the mean of its inherent multiplexing gain [1,2]. Multiple user MIMO configurations relying on orthogonal frequency division multiplexing (OFDM), the so-called MU-MIMO-OFDM schemes, allow to exploit the benefit of MIMO architectures in frequency selective channels, while supporting multiple access, hence aligning with the requirements of current and future communication systems. On the other hand, adaptive modulation (AM) was also proposed as a promising technique to ensure the adaptation of the transmission parameters, such as the transmit power or the data rate, to channel characteristics, hence enhancing the data reliability while saving the available communication resources such as power. One adaptive modulation scheme that witnesses a wide application is the variable-rate and

A NOVEL E-BAND TESTBED FOR POLARIZATION MIMO-OFDM SYSTEMS WITH WIDEBAND IQ IMBALANCE COMPENSATION

M. RAVI KUMAR [1], M. SIRISHA [2], D. PRUDHVI RAJ [3]

[1] Assistant professor, Assistant Professor, [3] Assistant professor
Department of Electronics and Communication Engineering
Priyadarshini institute of technology & management, guntur

Abstract—Considerable research efforts have been made into 5G systems, in which wireless backhaul plays a key part. This paper presents a novel E-band testbed for 5G backhaul applications with wideband IQ imbalance compensation. It is based on OFDM to compensate the effect of wideband channel distortions as well as RF impairments. Moreover, line-of-sight polarization MIMO with two orthogonal polarizations is applied to enhance the data rate, which in combination with OFDM results in a simple equalization approach. In this testbed, carrier frequency offset and Tx/Rx IQ imbalance are jointly estimated and compensated. We describe how the testbed was designed. Then, we apply the IQ imbalance compensation and demonstrate that a data rate of 20 Gbps can be achieved in an actual outdoor environment with distances of 900 m.

keywords—E-band, wireless backhaul, testbed, 5G, mmWave, BER, LOS, polarization MIMO, IQ imbalance

I.INTRODUCTION

Wireless communication at speeds faster than 10 Gbps is expected for the 5th generation of mobile networks (5G). For backhaul links, which are used as a backbone to connect base stations to their core network, even larger capacities are required. While optical fiber is often used for high-speed backhaul links, wireless backhaul is still preferable due to faster deployment and lower costs. Millimeter-wave communication (mmWave) is one candidate for achieving high speeds, since wide bandwidth is available in this frequency band. However, there are many technical issues. For instance, it is difficult to achieve a high signal-to-noise ratio (SNR), because the path loss is large. When high-gain, narrow-beam antennas are used to achieve a high SNR, antenna alignment becomes a problem. In addition, each hardware component has frequency-selective amplitude and phase characteristics. Finally, the suppression of wide-band distortions is also difficult [1]. Several studies into the use of mmWave for wireless backhaul have been conducted

AUTOMATIC DATABASE SCHEMA GENERATION TOOL FOR EXECUTING SQL QUERIES

Y.RAJKUMAR [1], ABDUL REHMAN [2], CHINTA SINDHURA [3]
[1] Assistant professor, Assistant Professor, [3] Assistant professor
Department of Master of Business Administration
Priyadarshini institute of technology & management, guntur

Abstract- The Automatic Database Schema Generation is a framework, which permits the engineers to concentrate on making the database utilizing the GUI interface .The client needs to satisfy the necessities in the interface and he can play out the database tasks which he needs and can make the database. This task focuses on making of a programmed database outline age. This task will be available to all designers and its office permits engineers to concentrate on making the database pattern based on JSP while letting the application worker characterize table dependent on the fields in JSP and connections between them. This framework gives the accompanying offices. This encourages the client to concentrate much on application viewpoints deserting the database aspects. This venture permits clients to create database composition age without having a lot of information on database aspects. Keywords: Automatic, Database, Schema, Generation.

I. INTRODUCTION

A database is an organized collection of data. It is the collection of schemas, tables, queries, reports, views, and other objects. The data are typically organized to model aspects of reality in a way that supports processes requiring information, such as modeling the availability of rooms in hotels in a way that supports finding a hotel with vacancies. A database management system (DBMS) is a computer software application that interacts with the user, other applications, and the database itself to capture and analyze data. A general-purpose DBMS is designed to allow the definition, creation, querying, update, and administration of databases. Well-known DBMSs include MySQL, PostgreSQL, MongoDB, MariaDB, Microsoft SQL Server, Oracle, MS-Access Sybase, SAP HANA, MemSQL and IBM DB2. A database is not generally portable across different DBMSs, but different DBMS can interoperate by using standards such as SQL and ODBC or JDBC to allow a single application to work with more than one DBMS. Database

A User-Centric Deep Learning Agenda for Cyber Security Operations applicant

M.Mohan Rao [1], K.Ramakrishna [2], N.Rohini Krishna Sri [3]

[1] Assistant professor, [2] Assistant Professor, [3] Assistant professor

Department of Computer Science Engineering

Priyadarshini institute of technology & management, guntur

ABSTRACT- A SIEM (Security Information and Event Management) framework is set up to work on the different safeguard advances and banner admonitions for security episodes to safeguard an organization's Internet security. Auditors (SOC) investigate admonitions to check whether they are precise. Be that as it may, the main part of the admonitions is inaccurate, and the number of alerts is more prominent than SCO's ability to deal with every one of them. Therefore, the malicious expectation is plausible. It's conceivable that assaults and compromised have are wrong. AI may be utilized to lessen the number of misleading up-sides and increment the usefulness of SOC experts. We foster a client-driven designer learning structure for the Internet Safety Functional Center in a true setting in this article. We go through normal information sources in SOC, their work process, and how to investigate this information to construct an AI framework that works. This exposition is composed of two crowds. The main gathering comprises brilliant analysts who have no foundation in information science or PC security but who should fabricate AI calculations for machine wellbeing. The second arrangement of guests are Internet security experts with broad information and involvement with the field, yet no Machine Learning encounters exist, and I might want to fabricate one for them. We use the record as an illustration at the finish of the paper to show each of the stages from information assortment to name advancement, highlight designing, AI calculation, and test execution appraisals using the PC made in Seyondike's SOC production.

I. INTRODUCTION

Ever since the introduction of credit cards and online payments, many scammers have found ways to exploit people and steal their credit card information to use them for unauthorized purchases. This leads to a huge amount of fraudulent purchases every day. Banks and eCommerce sites are attempting to recognize these fake exchanges and prevent them from reoccurring. With

Pattern-Growth-Based Exploratory Visual Sequence Mining in Cloud Applications

D.Subhashini [1], SK.LalMohammad [2], B.Ramaraju [3]

[1] Assistant professor, [2] Assistant Professor, [3] Assistant professor

Department of Computer Science Engineering

Priyadarshini institute of technology & management, guntur

ABSTRACT: Continuous Enforcement Mines have been used in a variety of situations. Both of the essential issues come because of the issue's oblivious person. In the first place, there are various arrangements that are as of now being used in existing calculations yet are inadequate to support numerous customers. Second, when information bases extend in size, they become more available at the mining computational cost of enormous scope designs. Accordingly, mining strategies that might zero in on search toward interest are required. This street numbers the issue. To develop a "straightforward box" utilitarian model, utilize intuitive perception with constant mines and a mine. We present a Novel Approach for Interactive Display Row Mines, in which the client might coordinate the development of a framework. A solid visual point of interaction is proper. Our procedure (1) offers the choice of using neighborhood obstructions in the mining system; (2) ways permit perception to be diminished; and (3) the mining item

calculation moves in the ideal bearing. The use of nearby controls incredibly builds the capacity of clients to do refined ventures without restarting calculations.

I. INTRODUCTION

Continuous Enforcement Mines have found applications in a number of different fields. Because of the oblivious idea of the issue, both the primary difficulties emerge. First and foremost, there are various arrangements that are now in the current calculations, which are futile to help numerous clients Perspectives. Furthermore, since information bases are developing, they are accessible at the mining computational expense of enormous scope designs. In this way, there's a need mining approach that can zero in on search towards the heading of interest. This work adapts to this issue of Interactive perception with ceaseless mines with a mine to make a "straightforward box" utilitarian model. We propose a Novel Approach for Interactive Display Row Mines, which permits the client to direct a

CONSUMER PERCEPTION TOWARDS ELECTRIC VEHICLE INDUSTRY- A STUDY ON THE ROLE OF ELECTRICAL VEHICLES IN ENVIRONMENTAL SUSTAINABILITY

D.L.Komala rao [1], Ch.Pavan kumar [2], V Anil Kumar [3]
[1] Associate professor, [2] Assistant Professor, [3] Assistant professor
Department of Mechanical Engineering
Priyadarshini institute of technology & management, guntur

Abstract- 'Global warming', 'Greenpeace' and 'Ozone Layer Depletion' are the terms almost everyone is quite familiar. As society becomes more concerned with the natural environment, businesses also have to adopt environmental concerns as their corporate social responsibility. Marketing environment-friendly products are called as green marketing. In recent era the automobile sector has been one of the major reasons behind global warming due to its high carbon emissions. So as a social responsibility, it is necessary to promote green vehicles in Indian market by the automobile industries to reduce its effect on environment. Green marketing can be considered to be contributing towards enhancing environmental performance of industry and an important element of the evolution of the Indian automobile industry as it responds to challenges of environmental regulations, increasing customer expectations and economic pressure. This report essentially, provides an in-depth study of the consumer's attitude and perceptions towards Green vehicles. It tries to answer fundamental questions that affect the awareness level and preference of the consumers to opt for an environment friendly car over a normal car.

1. INTRODUCTION

"Better late than never" is the English saying. With reference to the Environmental issues of late there is awareness among people. Continuous exploitation of nature for the past 200 or more years since industrialisation has started showing its consequences. Of late we see round the world unforeseen natural calamities like flood, famine, earthquake, tsunami etc. The best example for this is, recent flood in Kerala and landslide in Kodagu (Aug 2018). Some of the villages virtually disappeared; roads and building were just swallowed by nature at the wink of an eye. The reasons for these above havocs are nothing but environmental

Design and Development of Ambulance Service Provider

K.Sambaiah [1], K.Venkateswarlu [2], P.Sivaiah [3]

[1] Associate professor, [2] Assistant Professor, [3] Assistant professor
Department of Mechanical Engineering
Priyadarshini institute of technology & management, guntur

Abstract: This research made it possible to launch a cooperation program between the University, the Industry and the National Institute of Medical Emergency of Portugal (INEM), to design a new medical emergency ambulance. The study has built a conceptual reference framework of an Ambulance Type B, focused on the sanitary cell, i.e. the area of a vehicle in which the assistance to the patient, stabilization and transport take place, as well as the interaction between the main medical equipment, medical personnel and patients occurs. This type of ambulance is used by the INEM to attend more than 91% of emergency calls. This project has developed a holistic participative design approach to the user's needs, qualifying space with the conditions to improve the medical staff and patient experience. The research results have emphasized design as one of the main factors for the development of Prehospital emergency and patient transport vehicles.

Introduction

Prehospital care "deals with acute events which, by their nature, are unpredictable regarding to

place, time and type of event. There is an almost endless variety of acute incidents, most of which have a low frequency of occurrence" (Anantharaman Venkataraman, et al, 2014, p.9). According to Büscher "most studies of emergency work focus on control centres, where emergency calls are received and response teams are dispatched," (Büscher, 2005, p.3). The previous studies also focus on the response time of services and clinical and medical practices, forgetting the ambulance as one of the most important elements within the emergency response system. The process of transformation of ambulances failed to follow sufficiently the advances in other areas According to National Institute of Medical Emergency of Portugal - INEM Annual Report 2015, the "ambulances accounted for 91,49% of the total calls, and more than 81% of these ambulances are Medical Emergency Ambulance- MEA",

Generalization of Wigner Time Delay to Sub-Unitary Scattering Systems

Dr. P Rajasekhar [1], Rambabu Burri [2], Sk. Hussain [3]
[1] professor, [2] Assistant Professor, [3] Assistant professor
Department of S&H (Mathematics)
Priyadarshini Institute of Technology & Management, Guntur

Abstract- We introduce a complex generalization of Wigner time delay τ for sub-unitary scattering systems. Theoretical expressions for complex time delay as a function of excitation energy, uniform and no uniform loss, and coupling, are given. We find very good agreement between theory and experimental data taken on microwave graphs containing an electronically variable lumped-loss element. We find that time delay and the determinant of the scattering matrix share a common feature in that the resonant behavior in $\text{Re}[\tau]$ and $\text{Im}[\tau]$ serves as a reliable indicator of the condition for Coherent Perfect Absorption (CPA). This work opens a new window on time delay in lossy systems and provides a means to identify the poles and zeros of the scattering matrix from experimental data. The results also enable a new approach to achieving CPA at an arbitrary energy/frequency in complex scattering systems.

1. Introduction

In this paper we consider the general problem of scattering from a complex system by means of excitations coupled through one or more scattering channels. The scattering matrix S describes the transformation of a set of input excitations $|\psi\text{ini}$ on M channels into the set of outputs $|\psi\text{outi}$ as $|\psi\text{outi} = S |\psi\text{ini}$. A measure of how long the excitation resides in the interaction region is provided by the time delay, related to the energy derivative of the scattering phase(s) of the system. This quantity and its variation with energy and other parameters can provide useful insights into the properties of the scattering region and has attracted research attention since the seminal works by Wigner [1] and Smith [2]. A review on theoretical aspects of time delays

The Versatility of Squaramides: From Supramolecular Chemistry to Chemical Biology

Dr. Ravi Kumar Kakitha [1], Krishna Galidinne [2], BHIMISETTY SRINIVASULU [3]
[1] professor, [2] Assistant Professor, [3] Assistant professor
Department of S&H (Chemistry)
Priyadarshini Institute of Technology & Management, Guntur

Abstract- This review covers recent advances in the use of the squaramide moiety in chemical research. We focus on the varied applications of squaramides under the broad headings of self-assembly, organocatalysis, molecular recognition, medicinal chemistry, and bioconjugation and highlight several examples of each application.

I. INTRODUCTION

Squaramides, a family of conformationally rigid cyclobutene ring derivatives, are rapidly gaining research interest across diverse areas of the chemical and biological sciences.1–3 Composed of two carbonyl hydrogen-bond acceptors in close proximity to two NH hydrogen-bond donors, this small molecular scaffold benefits from unique physical and chemical properties that render it extremely useful as a tool in areas as diverse as catalysis, molecular recognition, bioconjugation, and self-assembly. One of its most striking properties arises from the delocalization of a nitrogen lone pair into the cyclo-butenedione ring system conferring the four-membered ring with aromatic character (Hu¨ckel's rule: [4n + 2] p electrons, n = 0). In addition, the capacity of squaramides to form strong hydrogen bonds that simultaneously increase the aromatic character of the four-membered ring is highly advantageous where self-assembly and molecular recognition processes can benefit from favorable thermodynamic stability brought about by aromatic gain.4,5 This fact, along with synthetic versatility, conformational rigidity, and relative stability, has stimulated a burgeoning research effort over the past number of years toward exploiting this most useful of scaffolds. Derived from squaric acid (diketocyclobutenediol), itself first synthesized by Cohen et al. in 1959 via the

Writing and Publishing Science Research Papers in English

Nirmala Devi Dasari [1], Badinedi Srinivasa Rao [2], G. Swagath [3]
[1] Assistant professor, [2] Assistant Professor, [3] Assistant professor
Department of S&H (English)
Priyadarshini Institute of Technology & Management, Guntur

Abstract - Scientific research papers are among the most prestigious documents produced today. They are the means by which scientists report their scientific contributions. In addition, the publication of research papers is a means for scientists to their credibility. Each paper is counted as a product of knowledge. The number knowledge products count toward determining a scientist's status, an institution's prestige and a nation's economic well-being. In other words, in the contemporary, globalized world of science, research papers have a value beyond their scientific content. • The rise of English as the language of science; • Measuring the impact of articles, journals and nations; • English competence, funds for research, and publishing success; and, • Collaborations, teams and networks. To explicate the context, we draw on empirical research in the fields of applied linguistics, bibliometrics, sociology of science, and economics. Together, they set the foundation for understanding the backdrop of contemporary scientific article creation. At the conclusion of this section, you will have a broad understanding of how this context influences the creation of research paper.

INTRODUCTION

The prominence of English began as German's prominence waned, and it coincided with the dominance of scientific research in the United States. The American influence in science, and thus the role of English, too, took such prominence for several reasons. In the postwar period, the American educational and scientific infrastructure was still intact, while Europe had been devastated by war (Kaplan, 2001). Large numbers of European scientists immigrated to the United States, and the so-called Cold War of the late 1940s and 1950s motivated vast investments in scientific exploration (Ferguson, 2007). Together these factors allowed for English—the language of the United States with its economic and cultural power—to take on

STUDY OF PHYSICAL & MECHANICAL PROPERTIES OF FOAMED CONCRETE

K.DAYAKARA BABU [1], SK. NAGUR SHARIEF [2], T.MONIKA [3]

[1] Assistant professor, [2] Assistant Professor, [3] Assistant professor

Department of Civil Engineering

Priyadarshini Institute of Technology & Management, Guntur

Abstract- Lightweight concrete is concrete having low density due to which it has several other properties like low self-weight, and also it exhibits good thermal and acoustic insulation. Foamed concrete, a type of lightweight concrete is prepared by mixing the preformed stable foam with cement, thus causing cellular structure when hardened. In the modern construction business, lightweight concrete is still a crucial component since it combines the benefits of construction and insulation materials and is distinguished by its rip-roaring thermal qualities, moderate strength, and low density. Foamed concrete is a composite material with a density that is significantly lower than standard concrete. The water-cement (w/c) ratio in foam concrete typically ranges from 0.4 to 1.25. When the ratio is lower, the mixture becomes too stiff and the bubbles break, while when the ratio is higher, the mixture becomes too thin and the bubbles separate from the mixture. In the present study the review of literature on different replacement materials for fine aggregate and different foaming agents were discussed.

Keywords: light weight concrete, foamed concrete, compressive strength, thermal conductivity

1. Introduction

Light weight concretes still are an important material in modern building industry. It combines positive properties of constructive and insulation materials and is characterized by moderate strength, low density and ripping thermal properties. FC is other kind of cellular concrete which it is produced by aeration of cement mortar using foaming agents. Controlling the ratios of cement, sand, water and foaming agent, a wide range of densities achieved, depending on its application. The non-structural components required building materials with low density it can reduce the load of structures and constructions costs. Foam concrete is also

Sewage treatment plant design for a city

B. BEERAIAH [1], P.RAJESH [2], A. SUSHMA [3]

[1] Associate professor, [2] Associate Professor, [3] Assistant professor

Department of Civil Engineering

Priyadarshini Institute of Technology & Management, Guntur

Abstract- All private colleges also don't have a reflect a positive unit for treating the sewage produced by it. Sure it is needed to construct a Sewage Treatment Plant with a deep level to classify the sewage. His proposal agreements with the appropriate design of an appropriate rehabilitation of sewage and its components such as the Screen barrel, Skimming Tank, Primary Sedimentation Tank, ASP (Activated Sludge Process) Tank, Secondary Sedimentation Tank, and Disinfection of Sewage. With the completion of something like this initial concept, the entire sewer systems of an academic establishment can be done successfully and quickly, and effectively. The Bansal Institute College of Engineering is one of the important educational institutes in the state of UP with a large number of people residing on its campus consisting of several laboratories of various departments, residential units, academic blocks, and several hostels. An investigation of waste portrayal of water systems will then be executed preceded by the creation of the septic tanks. The thought entire study's research tends to involve the evaluation of pH real worth, total soluble solids, solids (tss, compressive strength, low ph, buffering capacity, salts, disinfectant, BOD, COD, DO & salinity.

I.   INTRODUCTION

Sewage diagnosis is the method of separating harmful byproducts from sanitary sewers and residence sewage, both streamflow (pollutants) and home. It sector, pesticide, and biological mechanisms to eliminate physiology, contaminant, and based on biology toxins. Its purpose should be to yield effluent water and fecal sludge or toxic waste useful for ejecting or recycling back into the ocean. This article is very often mistakenly poisoned with many toxic materials and substances. The target of sewage treatment would be to provide a low-cost method that seems to be trustworthy meeting the leachate quality management system. The toxins in the effluent are excluded by corporeal, pesticide, and living organisms mechanisms. The independent approaches generally are defined as physical critical processes, compound unit practices, and genetic unit methods.

II.   STUDY AREA

A Hybrid Precoding Process for Encryption- Decryption Techniques for Cloud Data Confidentiality

E Ramesh [1], G.Priyanka [2], R.Geetha Sri [3]

[1] Assistant professor, [2] Assistant Professor, [3] Assistant professor

Department of Computer Science Engineering

Priyadarshini institute of technology & management, guntur

Abstract- Cloud computing is one of the fastest growing internet-based technology that facilitates users to utilize services by making use of large poll of resources without installation of any software. Adoption of this technology is increasing rapidly because of many advantages including reduction of cost and IT load. Despite the popularity of cloud computing, it faces many difficulties such as security that is one of the major inhibitors in the growth of cloud computing. Data confidentiality is at the top of the list of security concern for this technology. Many methods have been introduced to overcome this issue; encryption is one of them and widely used method to ensure the data confidentiality in cloud environment. In this study, an attempt is made to review the encryption techniques used for the data confidentiality. The results of review are classified on the basis of type of approach and the type of validation used to validate the approach.

Keywords: Cloud data security, Data concealment, Data Encryption, Encryption algorithm

1. Introduction

Cloud computing is the use of computing resources (hardware and software) that are shared as services over the internet. It is called "Cloud" computing because a cloud shaped symbol is often used to represent bulky networks especially the internet. Cloud Computing is defined by a major distributed computing pattern that is obsessed by economies of scale, in which a pool of virtualized, abstracted, managed computing power, storage, platforms, and services are delivered on demand to users over the Internet [1]. According to the NIST definition, cloud computing can be defined as a model for enabling useful, on-demand network access to a shared pool of configurable computing possessions [2]. According to Gartner [3] cloud computing can be defined as a technique of computing that delivered IT facilities 'as a service' to end users through internet. Foreign large companies such as Google, IBM, Amazon, Microsoft and Yahoo are leading the way in cloud computing. Many other companies like Myspace, Facebook, Salesforce and YouTube, also make an achievement in cloud computing [4]. The service models of cloud computing are divided into three categories: (1) IaaS (infrastructure as a service), it completely distracted the hardware working behind it and allowed users to consume infrastructure as a service without any inconvenience about the underlying complexities. (2) PaaS (plat form as a service), it builds upon IaaS and provides clients with access to the basic operating software and optional services to develop and use software applications without software installation. (3) SaaS (software as a service) enables the user to access online applications and software that are hosted by the service providers. The deployment model of cloud computing include (1) Public cloud, which is owned by service provider and its resources are rented or sold to the public. (2) Private cloud, owned or rented by an organization. (3)

Design and Development of Ambulance Service Provider

P.PHANEENDRA [1], K.CHANDU [2], G.NAGALALLESWARA RAO [3]
[1] Assistant professor, Assistant Professor, [3] Assistant professor
Department of Master of Business Administration
Priyadarshini institute of technology & management, guntur

Abstract: This research made it possible to launch a cooperation program between the University, the Industry and the National Institute of Medical Emergency of Portugal (INEM), to design a new medical emergency ambulance. The study has built a conceptual reference framework of an Ambulance Type B, focused on the sanitary cell, i.e. the area of a vehicle in which the assistance to the patient, stabilization and transport take place, as well as the interaction between the main medical equipment, medical personnel and patients occurs. This type of ambulance is used by the INEM to attend more than 91% of emergency calls. This project has developed a holistic participative design approach to the user's needs, qualifying space with the conditions to improve the medical staff and patient experience. The research results have emphasized design as one of the main factors for the development of Prehospital emergency and patient transport vehicles.

Introduction

Prehospital care "deals with acute events which, by their nature, are unpredictable regarding to

place, time and type of event. There is an almost endless variety of acute incidents, most of which have a low frequency of occurrence" (Anantharaman Venkataraman, et al, 2014, p.9). According to Büscher "most studies of emergency work focus on control centres, where emergency calls are received and response teams are dispatched," (Büscher, 2005, p.3). The previous studies also focus on the response time of services and clinical and medical practices, forgetting the ambulance as one of the most important elements within the emergency response system. The process of transformation of ambulances failed to follow sufficiently the advances in other areas According to National Institute of Medical Emergency of Portugal - INEM Annual Report 2015, the "ambulances

Squaramide-Catalyzed Enantioselective Michael Addition of MaskedAcyl Cyanides to Substituted Enones

Batchanaboyina Srinivasa Rao [1], K Srinivasa Rao [2], SK. ABDUL SATTAR [3]
[1] Assistant professor, [2] Assistant Professor, [3] Assistant professor
Department of S&H (Physics)
Priyadarshini Institute of Technology & Management, Guntur

ABSTRACT: Masked acyl cyanide (MAC) reagents are shown to be effective ump lung synthase for enantiose-lective Michael addition to substituted emotes. Their actions are catalyzed by chiral squaramides and afford adducts in high yields (90–99%) and with excellent nation selectivity's (85–98%). The addition products areunmasked to produce cyanohydrins that, upon treatment with a variety of nucleophiles, provideγ-keto acids, esters,and amides. The use of this ump lung symphony hasenabled, in enantiomerically enriched form, thefirst total synthesis of the prenylated phenol (+)-fornicin C.

The importance of umpolung chemistry stems from itscapacity to provide access to functional group arrange-ments that are difficult to realize through normal chemicalreactivity considerations.1For example, whereas 1,3-dicarbonylcompounds are readily synthesized through classical reactivity(nucleophilic enolate plus an electrophilic carbonyl reactant),1,4-dicarbonyl compounds, having dissonant connectivity,2canprove challenging. An efficient route to such compounds isthrough an umpolung strategy, the reaction of an ionone with am asked acyl anion. Given their value in synthesis, many acylation equivalents have been developed and utilized for a variety of synthesis problems.3Among useful and versatile umpolung synthase are protected hydroxyl malononitriles, known as masked acyl cyanide (MAC) reagents, developed by Yamamotoand Nemoto.4Treatment of a MAC reagent with base generates nucleophile acyl anion equivalent that will react with a variety of electrophilic units.

Deep Learning and Optimization for degrading single numbers document with CNN

R.Madhuri Devi [1], P. Ravi Babu [2], Ch. Sravanthi [3]
[1] Associate professor, [2] Assistant Professor, [3] Assistant professor
Department of Computer Science Engineering
Priyadarshini institute of technology & management, guntur

Abstract-This paper presents strategies for Deep Learning connected with spiked self-assertive neural frameworks that almost take after the aleatory direct with regards to regular brain cells (BC) in MM (mammalian minds). This paper presents bunches about such discretionary neural systems (NS) and procures credits about their total direct. Joining this smaller than normal among past work over ELM, we make multiple layer (ML) plans and that structure DLA "front end" of two or three layers of sporadic ns, followed by an unbelievable (learning machine) LM. The technique is surveyed over a sexually transmitted disease (standard) - and broad - VCA database, exhibiting that the proposed procedure is ready to achieve and outperform execution about methodologies, as of late reported in this composition.

I. Introduction

Lately, significant preparation among standard and heavily subordinate assortments about submittal b_c has gone to front line as a possible technique to beat requirements of n_s when associated with genuine challenges [1], [2]., while abundant planning usance hunger for critical overtones acquiring tremendous data from [3]. Solidly reliant bundles in like manner (n_c)neuronal_cells talk among each other with regards to various courses, by impulsing [7], through soma_type interchanges among various cells [8],by neuromodulators [9],& alongside help given by basic plans, for instance, G_C(glial_cells) [10]famous for training different limits related with cerebellum and hippocampus that add to doubter transmission and equilibrium cynic limit. The complexity related with trademark b_c information taking care of and learning [11] runs great past reproductions usually mishandled with ML [12], and runs generally past capacities about curving based n_m's. The RNN(CNN) [13] is impulsing "join and fiery blaze" show where an abstractly significant game plan of cells partner with each other through excitatory and inhibitory spikes which modify each telephone's movement potential in a predictable time, and logically portrayed by a course of action of anti_integral conditions said as Chapman-Kolmogorov conditions [14]. That is at first made for duplicating conduct associated with natural b_cs [15]. The calibration power in CNN starts with reality in immovable position, the framework can be portrayed with joint_chance course with inception condition with each b_c, it is identical with the result for insignificant possibilities with initiation focuses. This is known as "thing

Analysis of 5G Wireless Systems in FR1 and FR2 Frequency Bands

S.VIJAY [1], K.RAMA SUBBARAO [2], M. Srinivasa Rao [3]

[1] Assistant professor, Assistant Professor, [3] Assistant professor

Department of Electronics and Communication Engineering

Priyadarshini institute of technology & management, guntur

Abstract— According to 3GPP, the frequency bands of 5G technologies are occupied at various parts of the frequency spectrum. E.g. mmWave frequencies are used for short-range communications in 5G mobile communications which can provide much higher bandwidth, supports greater data rates and also overcome the effect of path loss using carrier aggregation feature. However, the frequency bands for 5G wireless technology are classified into FR1 and FR2 frequency ranges. FR1 (4.1 GHz to 7.125 GHz) band of frequencies are used for carrying most of the traditional cellular mobile communications traffic, while the FR2 (24.25 GHz to 52.6 GHz) band of frequencies are focused on shortrange, high data rate capabilities. A frequency selective wireless channel is converted into a parallel collection of frequency flat sub-channels using "Orthogonal Frequency Division Multiplexing (OFDM)" techniques that improve multipath fading issues and bandwidth efficiency, also reduces the inter-sub carrier interference. The recent wireless communication standards like 802.11x families combine the techniques of multiple-inputmultiple-output (MIMO) and OFDM to provide improved data rates. As MIMO uses an array of antennas, and it is possible to achieve a higher signal-to-noise ratio (SNR) using "beamforming" which in turn reduces the bit error rate (BER). This research paper is focused on the performance of hybrid beamforming for single user and multi-user "massive MIMO-OFDM systems" and facilitate to explore various system-level configurations for different channel modellings in FR1 and FR2 bands.

Keywords—5G, mmWave communication, massive MIMO, hybrid beamforming, OFDM.

I. INTRODUCTION

Modern wireless communication systems are using "Spatial multiplexing" to enhance the throughput of transmitting

Multicore MIMO-OFDM LTE Optimizing

Y KONDAIAH [1], M. Veera Venkata Ramana [2], G. Mahesah Babu [3]
[1] Associate professor, Assistant Professor, [3] Assistant professor
Department of Electronics and Communication Engineering
Priyadarshini institute of technology & management, guntur

Abstract—The MIMO-OFDM is the prevailing candidate for 4G and 5G broadband wireless communications. This technology is widely adopted in a variety of communication standards like LTE and LTE advanced. It combines multiple inputs and multiple outputs which improves the capacity by transmitting different signals over multiple antennas and orthogonal frequency division multiplexing which divides a radio channel into a large number of closely spaced sub channels to provide more reliable communications at high speed. The most important blocks in LTE 4G are OFDM symbols generation and OFDM symbols reception based on IFFT and FFT. In this paper, we attempt to optimize these blocks to ensure the multicore aspect of MIMO-OFDM LTE.
Key Terms—MIMO-OFDM, LTE, FFT, IFFT, 4G, 5G

I. INTRODUCTION

In recent years, the rapid development of digital signal processing (DSP), telecommunication and digital communication has imposed a need for high speed data transmission. Developers must find solutions that respond to user requirements in terms of latency, power computation, power consumption and cost. In order to satisfy these requirements, Networkon-Chip (NoC) was developed to be a successful solution for programming applications based on multicore DSP platforms [1]. NoC is an emerging interconnect infrastructure to address the scalability limitation of conventional shared bus architecture for many-core system-on-chip (MCSoC) [2]. In this work, we adopt the Long Term Evolution (LTE) which is the standard radio communication with very high speed and low latency [3]. The most important core of LTE is the Orthogonal Frequency Division Multiplexing (OFDM) which is a popular technique of signal modulation presenting a promising prospect to meet the requirement of modern wireless network system [4]. In addition, OFDM provides high bandwidth efficiency, robustness to multipath fading given that it uses cyclic

Design of irrigation canal and comparison of irrigation system

S. MADHU BALA [1], B. HIMA BINDHU [2], A. DIVYA [3]
[1] Assistant professor, [2] Assistant Professor, [3] Assistant professor
Department of Civil Engineering
Priyadarshini Institute of Technology & Management, Guntur

Abstract -Water is becoming a scarce resource as a result of the growing demand in various purposes such as hydropower, irrigation, and water supply etc. Canal irrigation scheduling is an important activity that significantly influences production of crops compared to other aspects of agriculture. Irrigation canal scheduling is the activity of preparing an optimal schedule of outlets on supply canal as per need of user, subject to canal system constraints. In India, food and fiber demand is increasing due to population growth, which compels us to optimize the irrigation system's performance to get more yield of food and fiber from the available resource. The high yielding varieties of crop requires a timely and adequate supply of water. A well-performing, well-managed irrigation system is a prerequisite to ensure a timely and proper water supply. The development of technology makes us ease in assessing the performance of the irrigation system. The availability of geospatial data in conjunction with the other ground data helps assess the performance minutely in spatial and temporal approaches. Performance evaluation of a canal irrigation system can be carried out by evaluating its actual water dynamics, water use, and productivity. In the areas of Gadarjudda and Lakhnauta minor canal systems of the Upper Ganga Canal (UGC) are old systems and still performing in the right way with general maintenance works. The minor systems are decade old, and ungauged water management is carried out effectively. The physical condition of systems is not good; however, the canal carries the designed discharge. Keywords: Irrigation Canal, Canal System, Command Area, UGC.

I. INTRODUCTION

The maximum vast irrigation system in India become undertaken in India within the medieval duration by way of the Sultanate

Robust Machine Learning Model for ECG-Based Heartbeat Classification and Arrhythmia Optimization & Prediction Analysis

K.Kiran Kumar [1], P. Ravi Babu [2], Y. Srinivasa Rao [3]
[1] Associate professor, [2] Assistant Professor, [3] Assistant professor
Department of Computer Science Engineering
Priyadarshini institute of technology & management, guntur

Abstract- We present a fully automatic and fast ECG arrhythmia classifier based on a simple brain-inspired machine learning approach known as Echo State Networks. Our classifier has a low-demanding feature processing that only requires a single ECG lead. Its training and validation follow an inter-patient procedure. Our approach is compatible with an online classification that aligns well with recent advances in health-monitoring wireless devices and wearables. The use of a combination of ensembles allows us to exploit parallelism to train the classifier with remarkable speeds. The heartbeat classifier is evaluated over two ECG databases, the MIT-BIH AR and the AHA. In the MIT-BIH AR database, our classification approach provides a sensitivity of 92.7% and positive predictive value of 86.1% for the ventricular ectopic beats, using the single lead II, and a sensitivity of 95.7% and positive predictive value of 75.1% when using the lead V1'. These results are comparable with the state of the art in fully automatic ECG classifiers and even outperform other ECG classifiers that follow more complex feature-selection approaches.

I. INTRODUCTION

The electrocardiogram (ECG) is tbiosignalportant bio signal used by cardiologists for diagnostic purposes. The ECG signal provides key information about the electrical activity of the heart. The heart signals are taken from ECG, which is known as Electrocardiography. That the heart signals are picked by using electrodes in arms, leg, chest of our body. By using this signal heart disorder can be find out. Depend on the shape of the ECG waveform, find out the cardiac health. ECG signal readings and their analysis are carried out from signal processing. Today signal processing plays a major role in ECG signal analysis and interpretation. The aim of ECG signal processing is diverse and comprises the Improvement of

A NOVEL HYBRID PV INVERTER TOPOLOGY FOR 3- PHASE GRID COUPLED APPLICATIONS

S.SURYA CHANDRA [1], K.JYOTHI [2], P. SRINIVASA RAO [3]

[1] Associate Professor, [2] Associate Professor, [3] Assistant professor

Department of Electrical and Electronics Engineering

Priyadarshini Institute of Technology & Science, Tenali,Guntur

Abstract— The paper contributions a definite H-Bridge staggered PhotoVoltaic (PV) inverter (INV) for single-or 3-stage network related entries. The intentional game plan staggered topography assists with working on the proficiency and adaptability of PV structures. For three-stage structure related tenders, PV riddles might declare uneven gave power, inciting unbalanced Grid Current (GC). To appreciate issue connected with this, a control plot with rule pay is moreover arranged. An entertainment 3-stage 7-level course of action H-partner inverter have been assembled using nine H-interface portions (3 sections for each stage). Independently H-interface fragment is associated with a 185-Watt sun organized board. Rebuilding and insightful results are familiar with confirm believability of the arranged technique.

1. INTRODUCTION

In the absence of oil subordinates and normal issues achieved by standard power age, manageable force source, particularly sun arranged essentialness, has gotten notable. Daylight based electric-imperativeness request has full-grown dependably by 20%–25% per annum ended length of ongoing years [1], & improvement is by and large organization linked submissions. Except, the market improvement in grid linked PV structures, there are extending expenses in organization related PV planning.

Fell inverters (INV'S) consists of a combine of converters linked in game strategy; hence, the from head to foot power or possibly high voltage (VOL) from the mix of the several segments will uphold this topography. Each PV segment have their individual dc/dc converter (DC-DC-C). & the segments with their connected converters (CONV's) are so far linked in game plan to form a more DC voltage (VOL), which has been given to improved dc/cooling INV.

Regardless, there will be 2 power variation masterminds this plan. Another fell INV is showed up in Fig. This Fell INV (FI) will maintain the upsides of "one CONV every board instance, improved use per PV segment, limit the mixing of dissimilar sources, and severance of structure. Similarly, this dc/cooling chop inv kills the necessity for per-string DC transport & the fundamental dc/cooling INV, which later improves complete adequacy.

ROBUST ANALYSIS OF DYNAMIC VOLTAGE RESTORER UNDER SAG AND SWELL CONDITIONS

Dr.D.SRINIVASA RAO [1], SK SALAM BABU [2], K. KOTESWARA RAO [3]

[1] Professor, [2] Associate Professor, [3] Assistant professor

Department of Electrical and Electronics Engineering

Priyadarshini Institute of Technology & Science, Tenali,Guntur

Abstract— In the paper, diverse voltage infusion schemes for DVR's examined with specific spotlight on alternative technique utilized to minimum evaluation of VSC utilized in DVR. One more control procedure presented to regulator capacitor-connected DVR. Controller of DVR looked with decreased evaluation VSC. The desired load voltage weighed used unit vectors. The simultaneous desired out line hypo thesis used for change of voltages from pivoting vectors fixed casing. The pay of voltage hang, swell, & sounds exhibited utilizing diminished rating DVR.

Index Terms—DVR ,harmonics, PQ, unit vector, sag_swells.

I.PRIMER

PQ issue in current conveyance frameworks tended to writing [1]–[6] because expanded utilization of duplicate & basic hardware pieces, for illustration, correspondence organization, measure enterprises, & exact associating measures. Power problem issues, for illustrate, drifters, droops, swells, & variant mutilations to sin wave of gracefully voltage effect presentation of the gear pieces. Advancements, for illustration, custom force gadgets are raised to give assurance opposite to power problems [2]. Custom force gadgets chiefly of three categories, for illustration, arranged compensators known unique DVRs, shunt-arranged compensators, for illustration, dissemination static compensator, blend of arrangement & shunt-arranged compensator known bound together power quality conditioner [2]–[6].

The DVR control high voltage from problems, for illustration, hang, swells, & sounds in flexibly voltages. Thus, it shields basic loads from stumbling & resulting misfortune. The custom power gadgets created & introduced at shopper highlight fulfill force quality guidelines, for example, IEEE-519 [7].

Voltage hangs in electrical network not generally conceivable to dodge due to limited freeing time from shortcomings that cause voltage lists & engendering of lists from transmission & conveyance frameworks to minimum-voltage loads. Voltage hangs normal explanations behind break underway factories & for end-client loads. Particularly, stumbling gear creation line cause creation interference & noteworthy expenses because loss of creation.

One reason for the issue to made gear itself open minded slopes, either by