



## EEE-PUBLICATIONS DATA

SL.NO	NAME OF THE FACULTY	TITLE OF PAPER	YEAR OF PUBLICATION	NAME OF JOURNAL	SCOUP US/UGC
1	P.MURARI	Enhanced Control Strategy for a Bidirectional Wireless Power Transfer System in Grid-to-Vehicle (G2V) and Vehicle-to-Home (V2H) with Home Applications by Fuzzy Logic Controller	Apr-25	IJSREM	UGC
2	B. BHASKARA RAO	ANN-Based control strategy for improving Battery charger Dynamics in personal Mobility Devices	Apr-25	IJSREM	UGC
3	U. LAKSHMI	developing a battery discharge regular using fuzzy logic to guarantee the lowest output current ripple for an electrical power system in a geostationary satellite	Dec-24	IJSREM	UGC
4	U. LAKSHMI	A fuzzy logic based bidirectional on-board charger for electric vehicles with dynamic multiphase operation over all power and voltage level	Apr-25	IJSREM	UGC
5	CH. VISHNU CHAKRAVARTHY	Design of solar based data logger using arduino uno	22-04-2025	JOURNAL OF ENGINEERING SCIENCES	UGC
6	CH.VISHNU CHAKRAVARTHY	Development and validation of an integrated EV charging station with FUZZY Logic controlled grid interfacing inverter for residential applications	May-12	IJSREM	UGC
7	A.CHAKRAD	Fuzzy Enhanced Dualphase shift PWM strategy for	22-04-2025	JOURNAL OF	UGC

	<b>HAR</b>	<b>bi directional wireless charging in Ev application</b>		<b>ENGINEERING SCIENCES</b>	
<b>8</b>	<b>Y. NAVEEN KUMAR</b>	<b>innovative MPPT tracking methods for combined wind and PV energy systems</b>	<b>28-04-2025</b>	<b>JOURNAL OF ENGINEERING SCIENCES</b>	<b>UGC</b>
<b>9</b>	<b>Y. NAVEEN KUMAR</b>	<b>A ZVZCS Full-Bridge Converter Suitable for Renewable Energy –Based MVDC Energy –Based MVDC</b>	<b>21-04-2025</b>	<b>JOURNAL OF ENGINEERING SCIENCES</b>	<b>UGC</b>
<b>10</b>	<b>Y.NAVEEN KUMAR</b>	<b>Multilevel Current Charging for Electric Vehicles: Design and Analysis</b>	<b>Nov-21</b>	<b>ASIAN JOURNAL OF ELECTRICAL SCIENCES</b>	<b>UGC</b>

SL.N O	NAME OF THE FACULTY	TITLE OF PAPER	YEAR OF PUBLICATION	NAME OF JOURNAL	SCOUP US/UGC
1	P.MURARI	Multiple level current charging system design and analysis for electrical vehicles.	2024	IJARIILE JOURNALS	UGC
2	P.MURARI	Comparative analysis of machine learning based estimation of output current ripple in PFC-IBC used in EV battery chargers concerning well RE,RF and ANN methods.	2024	IJARIILE JOURNALS	UGC
3	P.MURARI	Regenerative Braking And Sensor Less Control Integration Of Renewable Energy Resources For EV Applications.	2023	IJSREM	UGC
4	P.MURARI	Utilizing Modified Direct Torque Control And Adaptive Control Theory For Regenerative Braking In Electric Vehicles.	2023	IJSREM	UGC
5	P.MURARI	Frequency Control Techniques For Electrical Power Networks With High Wind Energy Generation Employing Fuzzy Logic Controllers.	2023	IJSREM	UGC
6	P.MURARI	PV Cell and STATCOM Control Technique for Grid Connected Wind Energy System to Improve Power Quality.	2017	IJEECM	UGC
7	P.MURARI	Comparison of Fuzzy Logic Controller and PID Controller for Decentralized Stabilization of Multi-machine Power Systems.	2017	IJEECM	UGC
8	P.MURARI	Single Phase Shunt Active Power Filter for Domestic Non-linear Loads with Induction Motor Drive.	2016	IJSETR	UGC

9	P.MURARI	Minimum rating 5 level D-STATCOM for Improvement of Power Quality.	2015	IJMETMR	UGC
10	P.MURARI	Reduction of Higher Order Linear Dynamic SISO and MIMO Systems Using the Advantages of Improved Pole Clustering and PSO.	2012	AICEEE	UGC
11	P.MURARI	Order Reduction Of Linear Dynamic Systems Using An Improvement To Generalized Least-Squares Method And PSO.	2012	IJERA	UGC
12	P.MURARI	Large Scale Model Order Reduction of Linear Time Invariant Dynamic System by Improvement of Generalized Least Squares Method.	2012	AICEEE	UGC
13	P.MURARI	Large Scale Linear MIMO System Model Order Reduction using Artificial Bee Colony Optimization Algorithm.	2012	IJRTET	UGC

1	CH VISHNU CHAKRAV ARTHI	MULTIPLE LEVEL CURRENT CHARGING SYSTEM DESIGN AND ANALYSIS FOR ELECTRICAL VEHICLES	APRIL 2024	IJARILE JOURNALS	UGC
2	CH VISHNU CHAKRAV ARTHI	USING ARTIFICIAL NEURAL NETWORK AND SLIDING MODE CONTROL, THE PERFORMANCE OF HYBRID RENEWABLE ENERGY SOURCES CONNECTED TO THE GRID IS IMPROVED	JUL-05	IJARIE	UGC
3	CH VISHNU CHAKRAV ARTHI	A FUZZY LOGIC CONTROLLER BASED APPROACH FOR LOW HARMONIC CONTROL OF BI-DIRECTIONAL THREE-PHASE Z-SOURCE CONVERTERS IN VEHICLE-TO-GRID APPLICATIONS	APR-24	JOURNAL OF ENGINEERING SCIENCES	UGC
4	CH VISHNU CHAKRAV ARTHI	“A METHOD FOR THE REDUCTION OF DISCRETE TIME SYSTEMS USING INTERLACING TECHNIQUE AND COEFFICIENT MATCHING”	MAR-21	(IJARESM)	UGC
5	CH VISHNU CHAKRAV ARTHI	SLIDING MODE CONTROL OF HYBRID RENEWABLE ENERGY SYSTEM”INTERNATIONAL JOURNAL FOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY		INTERNATIONAL JOURNAL FOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY	UGC

6	CH VISHNU CHAKRAV ARTHI	STATICSYNCHRONOUSSERIESCOMPENSATOR BASED POWER OSCILLATIONDAMPINGCONTROLLER	MAY-20	INTERNATIONALJOURNALFOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY,	UGC
7	CH VISHNU CHAKRAV ARTHI	SLIDING MODE CONTROL WITH NEUTRAL NETWORKS FORCONTROLLING OF WIND POWER GENERATION	JULY. 2019	INTERNATIONAL JOURNAL OF ELECTRICALELECT RONICSCOMPUTER S&MECHANICAL EN GINEERING(IJEECM )	UGC
8	CH VISHNU CHAKRAV ARTHI	OPERATIONANDCONTROLOFAPF WITHFUZZYBASEDLYAPUNOVCONTROLTHEORY	JULY. 2019	INTERNATIONALJO URNALOFELECTRIC AL ELECTRONICS COMPUTERS & MECHANICAL ENGINEERING (IJEECM)	UGC
9	CH VISHNU CHAKRAV ARTHI	CASCADED CONTROL SYSTEMOF THE MODULAR MULTILEVEL CONVERTER FOR FEEDING VARIABLE SPEEDDRIVES	2018MAY	ANVESHANA'S INTERNATIONALJO URNALOFRESEARC HINENGINEERINGA NDAPPLIEDSCIENC ES	UGC
10	CH VISHNU CHAKRAV ARTHI	ADVANCED SPEED CONTROL STRATEGIESOF PMBLDCMOTOR IN SIMULATION ENVIRONMENT	MAR-18	JOURNAL OF SCIENCE AND TECHNOLOGY (JST)	UGC
11	CH VISHNU CHAKRAV ARTHI	A FRAME WORK FOR CONTROL OF GIRD CONNECTED WIND POWER USING TWO LAYER CONTROL	2017	INTERNATIONALJO URNALFOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY	UGC
12	CH VISHNU CHAKRAV	SIMULATION AND MODELING OF NEW TRANSFORMER CONNECTIONSCHEME FOR MULTIPHASE POWER TRANSFORMATION	2017	NTERNATIONALJO URNALFORMODER NTRENDSINSCIENC	UGC

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13	CH VISHNU CHAKRAV ARTHI	COMPARATIVE ANALYSISOFNONLINEARESTIMATIONSCHMESU SEDFORUNDERSEASONARAPPLICATIONS	2016	INNOVAREJOURNA LOF ENGINEERING & TECHNOLOGY	UGC
14	CH VISHNU CHAKRAV ARTHI	COMPARATIVE ANALYSISOFNONLINEARESTIMATIONSCHMESU SEDFORUNDERSEASONARAPPLICATIONS	2016	INNOVAREJOURNA LOF ENGINEERING & TECHNOLOGY	UGC
15	CH VISHNU CHAKRAV ARTHI	IMPROVEDNONLINEARSIGNALESTIMATION TECHNIQUE FORUNDERSEASONAR- BASEDNAVALAPPLICATIONS	2016	INNOVAREJOURNA LOF ENGINEERING & TECHNOLOGY	UGC
16	CH VISHNU CHAKRAV ARTHI	COMPARATIVE ANALYSIS OF PID,SMC,SMC WITH PID CONTROLLER FOR SPEED CONTROL OF DC MOTOR	2016	INTERNATIONAL JOURNAL FOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY (IJMTST),	UGC
17	CH VISHNU CHAKRAV ARTHI	A METHOD FOR THE REDUCTION OF LINEAR HIGH ORDER MIMO SYSTEMS USING INTERLACING PROPERTY AND FACTOR DIVISION TECHNIQUE	NOV-16	INTERNATIONAL JOURNAL FOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY (IJMTST)	UGC
18	CH VISHNU CHAKRAV ARTHI	SPEED ESTIMATION OF SENSORLESS INDUCTION MOTOR THROUGH VECTOR CONTROL USING MRAS AND DIRECT SYNTHESIS TEST	NOVEMBER2 016,	INTERNATIONAL JOURNAL FOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY (IJMTST)	UGC
19	CH VISHNU CHAKRAV ARTHI	SOFT COMPUTING BASED SPEED CONTROL TECHNIQUE OF INDUCTION MOTOR DRIVE IN SENSORLESS OPERATION	2016,	INTERNATIONAL JOURNAL FOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY	UGC

				(IJMTST)	
20	CH VISHNU CHAKRAV ARTHI	SIMULATION APPROACH TO SPEED CONTROL OF PMBLDC MOTOR USING VARIOUS CONTROL TECHNIQUE	2016,	INTERNATIONAL JOURNAL FOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY (IJMTST),	UGC
21	CH VISHNU CHAKRAV ARTHI	ANALYSIS OF EXTENDED KALMAN FILTER USING RANGE AND LINE OF SIGHT MEASUREMENT FOR UNDERSEA TARGET LOCALISATION	2016	INNOVARE JOURNAL OF SCIENCES	UGC
22	CH VISHNU CHAKRAV ARTHI	A METHOD FOR THE REDUCTION OF MIMO SYSTEMS USING INTERLACING PROPERTY AND COEFFICIENTS MATCHING	2010	INTERNATIONAL JOURNAL ON "IJFCA" IISC, BANGALORE	UGC
23	CH VISHNU CHAKRAV ARTHI	POWER PLANT CONTROLLING BY USING PROCESS CONTROL AND ADVANCED CONTROL SYSTEMS	2017	INTERNATIONAL JOURNAL FOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY, VOL. 03,	UGC
24	CH VISHNU CHAKRAV ARTHI	EFFICIENT CONTROL STRATEGIES FOR COMPENSATION OF VOLTAGE IN UNBALANCED GRID CONNECTED DISTRIBUTED GENERATION	2019	INTERNATIONAL JOURNAL FOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY	UGC

S.NO	Names (s) of the Authors	Title of the Paper	Name of the Journal/ Conference	Volume No, Issue No, Year	Indexed in SCI/Scopus/UGC
1	Y.NAVEEN KUMAR	AN INNOVATIVE CONTROL STRATEGY FOR WIND TURBINE OPERATED DFIG INTERGATED FUZZY LOGIC CONTROLLER	JES journals	15 Volume, Issue 4, April 2024	No

2	Y.NAVEEN KUMAR	POWER AND SIGNAL MULTIPLEXING FORELECTRIC VEHICLES USING CASCADING MULTILEVEL INVERTERS	IJSREM JOURNAL	07 Volume, Issue 4, APRIL 23	No
3	Y.NAVEEN KUMAR	PERFORMANCE OF SOLAR PV SYSTEM WITH BATTERY BACKUP FOR UNINTERRUPTED LOADS AND COMPENSATION FOR UNBALANCED AND DISTORTED LOADS	IJOER	VOL 4, ISSUE 4, JULY- AUGUST 2016	No
4	Y.NAVEEN KUMAR	POWER QUALITY IMPROVEMENT BY UPQC USING PI AND ANN CONTROLLER FOR DC LINK CURRENT /VOLTAGE CONTROLLER WITH HYSTESRIES CONTROL	IJESAT	VOL 3,ISSUE- 1,JAN-FEB 2013	No
5	Y.NAVEEN KUMAR	ANALYSIS ,DESIGN AND CONTROL OF A CSI-UPQC USING ARTIFICIAL INTELLIGENCE NEURAL NETWORK TECHNIQUE	IJ&MAGAZINES	VOL- 1,ISSUE-2, MAY-JUNE 2013	No
6	Y.NAVEEN KUMAR	POWER QUALITY IMPROVEMENT BY UNIFIED POWER QUALITY CONDITIONER USING PI&ANN CONTROLLER FOR DC LINK CURRENT /VOLTAGE CONTROL WITH HYSTERESIS CONTROL	IJESAT	VOL- 3,ISSUE- 1,JAN-FEB 2013	No
7	Y.NAVEEN KUMAR	APPLICATION OF STATCOM AND CROWBAR FOR TRANSIENT STABILITY IMPROVEMENT AND PEFORMANCE ENHANCEMENT FOR A WIND TURBINE BASED DOUBLY FED INDUCTION GENERATOR	IJSCE	VOL- 2,ISSUE-6, JANUARY 2013	No
8	Y.NAVEEN KUMAR	FUZZY ONE CYCLE CONTROL OF SHUNT ACTIVE POWER FILTER FOR HARMONIC	IJETEE	VOL 8,ISSUE 1	No

		REDUCTION		OCT 2013	
9	Y.NAVEEN KUMAR	MODELLING AND SIMULATION OF CASCADED H-BRIDGE MULTI LEVEL INVERTER BASED D-STATCOM FOR IMPROVEMENT OF POWER QUALITY,	IJESAT	VOL 3,ISSUE 2, FEB 2013	No
10	Y.NAVEEN KUMAR	ANALYSIS OF DESIGN AND CONTROL OF CSI-UPQC USING AI & NN TECHNICQUES	IJ&MAGAZINES	VOL 1, ISSUE 2 ,MAY 2013	No
11	Y.NAVEEN KUMAR	EFFICIENCY OPTIMIZATION CONTROL OF INDUCTION MOTOR USING FUZZY LOGIC	IJSE	VOL2, ISSUE3,JULY 2012	No
12	Y.NAVEEN KUMAR	POWER QUALITY IMPROVEMENT IN DISTRIBUTION SYSTEM USING D-STATCOM IN TRANSMISSION LINES	IJERA	VOL 1,ISSUE 3, MARCH 2012	No
13	Y.NAVEEN KUMAR	POWER QUALITY IMPROVEMENT BY UNIFIED POWER QUALITY CONDITIONER USING PI& ANN WITH HYSTERESIS CONTROL	IJEIA	VOL-1,ISSUE-2.AUG –SEP 2012	No
14	Y.NAVEEN KUMAR	MULTI LEVEL INVERTERS AND ITS APPLICATION OF STATCOM USING SVPWM AND SPWM TECHNIQUES	IOSR JORNALS	VOL-2, ISSUE-5,SEP-OCT 2012	No
15	Y.NAVEEN KUMAR	DESIGN OF MULTI LEVEL INVERTER AND ITS APPLICATION AS STATCOM TO COMPENSATE VOLTAGE SAGS DUE TO FAULTS	IJER&D	VOL 3,ISSUE 6,SEP 2012	No
16	Y.NAVEEN KUMAR	ANALYSIS,DESIGN AND CONTROL OF A	IJ&MAGAZINES	01 Volume, Issue 2, April	No

		CSI-UPQC USING AINN TECHNIQUE		2012	
17	Y.NAVEEN KUMAR	POWER QUALITY IMPROVEMENT IN DISTRIBUTION SYSTEM USING D- STATCOM IN TRANSMISSION LINES	IJERA	VOL 1, ISSUE 3,SEP-OCT, 2011	NO

S.NO	Names (s) of the Authors	Title of the Paper	Name of the Journal/ Conference	Volume No, Issue No, Year	Indexed in SCI/Scopus/UGC
1	K.SATHISH KUMAR	Scheme for optmising the power of an induction motor utlising FLC in an electrical Vehicle	IJARIE	10 Volume, Issue 4 April 2024	No
2	K.SATHISH KUMAR	Installation of an Electric Vehicel Charging Station using a Diesel Genrator& Solar PV Batteries	IJSREM	07 Volume, Issue 4 Nov 23	No
3	K.SATHISH KUMAR	A muitliphaseinterleavedboost converter with high volatge gain for EV Applications	IJSREM	07 Volume, Issue 4 April 2023	No

S.NO	NAME OF THE FACULTY	TITLE OF PAPER	YEAR OF PUBLICATION	NAME OF JOURNAL	SCOPOUS/UGC
1	PALA SURESH	A PERSPECTIVE ON THE EVOLUTION OF SOLAR CELL AND SOLAR PANEL MATERIALS	SEP-24	SCOPUS	SCOPIUS
2	PALA SURESH	POWER QUALITY IMPROVEMENT IN PV GRID CONNECTED SYSTEM USING MULTILEVEL CONVERTERS WITH REDUCED NO.OF SWITCHES	APR-24	JOURNAL OF ENGINEERING SCIENCES	UGC
3	PALA SURESH	FUZZY LOGIC CONTROL BASED ACTIVE POWER FILTER FOR RENEWABLE POWER GENERATION SYSTEMS	OCT-17	INTERNATIONAL JOURNAL FOR SCIENCE AND ADVANCE RESEARCH IN TECHNOLOGY	PGC

S.NO	NAME OF THE FACULTY	TITLE OF PAPER	YEAR OF PUBLICATION	NAME OF JOURNAL	SCOPOUS/UGC
1	B.BHASKA RARAO	PERFORMANCE OF FUZZY LOGIC BASED IN SMIB AND MMIB SYSTEMS AND POWER FLOW CONTROL USING IPFC AND SSSC	APRIL 2014	IJERA	UGC
2.	B.BHASKA RARAO	POWER QUALITY PROBLEMS AND IMPROVEMENT TECHNIQUES	JUNE 2019	IJERT	UGC

S.NO	NAME OF THE FACULTY	TITLE OF PAPER	YEAR OF PUBLICATION	NAME OF JOURNAL	SCOPOUS/UGC
1.	A.CHAKRADHAR	COUPLED WIRELESS CHARGING SYSTEM FOR ELECTRICAL VEHICLES BY USING SOLAR PANEL	2024	JES	UGC
2.	A.CHAKRADHAR	REMOTE MONITORING OF CRITICAL PARAMETERS OF HV SUBSTATION	2019	IRJET	UGC

s.no	Names (s) of the Authors	Title of the Paper	Name of the Journal/ Conference	Volume No, Issue No, Year	Indexed in SCI/Scopus/UGC
1	D.KALAVATHI	Three-Phase Four- Wire VSI Parallel Connected Using Fuzzy Logic Controller	IJMETMR	2 Volume, Issue 11 April 2015	No

GUEST LECTURES ARRANGED IN 2023-24

s.no	Topic name	date
1	Business opportunities in ev field	23-03-2024