

R and D / Consultancy undertaken during last two years only along with certificate of completion from the client:

GIET (A) has good number of faculty actively involved in research activities.

- I. Six academic departments have intensified serving research scholars and research activates after being recognized as RESEARCH CENTERS by the affiliating university JNTUK, Kakinada.
- II. Faculty and students have published over 95 research papers in National and International Journals having high impact factor.

S.NO	PAPER TITLE	JOURNAL/CONFERENCE	YEAR	STAFF NAME
1	PERFORMANCE ANALYSIS OF SVC AND STATCOM TO ENHANCE POWER SYSTEM STABILITY	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	P. SUGUNA RATNAMALA
2	ANN BASED THREE-PHASE FOUR-WIRE SHUNT ACTIVE FILTER CONTROL STRATEGIES FOR RENEWABLE POWER GENERATION SYSTEMS	INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH	2018	N. VIJAYA KUMAR
3	A NOVEL DC-DC CONVERTER BASED CLOSED LOOP CONTROL OF BLDC MOTOR FOR SPV FED WATER PUMPING SYSTEM	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	N. VIJAYA KUMAR
4	FUZZY LOGIC BASED THREE PHASE VFD WITH SINGLE PHASE SUPPLY	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	N. VIJAYA KUMAR
5	A STATCOM BASED CONTROL SCHEME FOR GRID CONNECTED WIND ENERGY SYSTEM FOR POWER QUALITY IMPROVEMENT DURING ASYMMETRICAL FAULTS	INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH	2018	M. JOHN SRINIVASA RAO
6	A HIGH VOLTAGE FUEL CELL WITH LOW COST INVERTER	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	M. JOHN SRINIVASA RAO

S.NO	PAPER TITLE	JOURNAL/CONFERENCE	YEAR	STAFF NAME
7	POWER QUALITY IMPROVEMENT BY D-STATCOM WITH PQ THEORY AT DISTRIBUTION LEVEL	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	M. JOHN SRINIVASA RAO
8	A NOVEL NINE LEVEL MODULAR MULTILEVEL VOLTAGE SOURCE INVERTER	INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH	2018	M.V. RAGHAVENDRA REDDY
9	A NOVEL TECHNIQUE FOR FAST ACTING MPPT FOR INTERLEAVED BOOST CONVERTER IN SOLAR PHOTOVOLTAIC SYSTEM	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	M.V. RAGHAVENDRA REDDY
10	A QUASI Z-SOURCE INVERTER WITH CONTINUOUS INPUT CURRENT	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	M.V. RAGHAVENDRA REDDY
11	PERFORMANCE EVALUATION OF FUZZY CONTROLLER BASED DISTRIBUTED GENERATORS WITH HYBRID INVERTER FOR UNBALANCED LOADS	INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH	2018	RAMJEE SAKPAL MORTHA
12	SEF-DFIG BASED HYBRID GRID CONNECTED SYSTEM	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	RAMJEE SAKPAL MORTHA
13	SOLAR PV SYSTEM WITH BATTERY AS ENERGY STORAGE FOR GRID CONNECTED SYSTEM WITH FIVE LEVEL INVERTER	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	RAMJEE SAKPAL MORTHA
14	A NOVEL CONTROL STRATEGIES FOR POWER QUALITY IMPROVEMENT WITH MULTILEVEL INVERTER BASED IPQC FOR MICROGRID	INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH	2018	T.J.PRASNNAMBA
15	COMPARATIVE STUDY OF DFIG AND SQUIRREL CAGE INDUCTION GENERATOR (SCIG) USED IN WIND FARM AND REACTIVE POWER COMPENSATION	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	T.J.PRASNNAMBA
16	A COMPARATIVE ANALYSIS OF NOVEL BOOSTING CONVERTER FOR RENEWABLE ENERGY APPLICATION	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	T.J.PRASNNAMBA
17	ADAPTIVE DROOP CONTROL IN ENERGY STORAGE SYSTEM FOR BATTERY PROTECTION MICROGRID	INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH	2018	K.NARENDRA

S.NO	PAPER TITLE	JOURNAL/CONFERENCE	YEAR	STAFF NAME
18	CASCADED H-BRIDGE NINE LEVEL INVERTER FED SINGLE PHASE INDUCTION MOTOR	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	K.NARENDRA
19	SMC STRATEGY FOR TORQUE RIPPLE MITIGATION IN PERMANENT MAGNET SYNCHRONOUS MOTOR	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	G. CHANDRA SEKHAR REDDY
20	SOLAR PV SYSTEM BASED PFC HALF BRIDGE CONVERTER FED PMLBDC DRIVE	INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH	2018	G. CHANDRA SEKHAR REDDY
21	ANALYSIS OF FLOW OF A MHD CASSON FLUID OVER AN EXPONENTIALLY STRETCHING SHEET	INTERNATIONAL JOURNAL OF MANAGEMENT TECHNOLOGY AND ENGINEERING	2018	Mrs. A. Pavana Kumari
22	POWER FLOW CONTROLLER WITH BACK-TO-BACK CONVERTERS IN GRID CONNECTED MICROGRID SYSTEM	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	T. AMAR KIRAN
23	LOW VOLTAGE DC DISTRIBUTION SYSTEM FOR POWER SHARING OF PARALLEL DC-DC CONVERTERS USING CURRENT LIMITING DROOP CONTROL	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	G. CHANDRA SEKHAR REDDY
24	A NOVEL NINE LEVEL INVERTER WITH REDUCED POWER DEVICES	INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH	2018	I. SOLOMON RAJU
25	INTELLIGENT ENERGY MANAGEMENT SYSTEM FOR DC MICROGRID WITH HYBRID STORAGE SYSTEM	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	I. SOLOMON RAJU
26	ADVANCES ON DISTRIBUTED GENERATION TECHNOLOGY FOR SMART DISTRIBUTION SYSTEM WITH MICROGRIDS	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	I. SOLOMON RAJU
27	POD and APOD PWM FOR FLYING CAPACITOR MULTILEVEL TOPOLOGY IN SOLAR PV SYSTEM	INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH	2018	DR.D.RAVI KISHORE
28	POWER FLOW CONTROL AND POWER MANAGEMENT WITH BACK-TO-BACK CONVERTERS IN A UTILITY CONNECTED MICROGRID SYSTEM	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	DR.D.RAVI KISHORE

S.NO	PAPER TITLE	JOURNAL/CONFERENCE	YEAR	STAFF NAME
29	PERFORMANCE ANALYSIS OF FUZZY BASED IUPAC TO PROVIDE GRID VOLTAGE REGULATION AT CRITICAL LOAD BUS	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	DR.D.RAVI KISHORE
30	CONTROL SCHEME BASED ON Z-SOURCE FOR FOUR SWITCH THREE PHASE BRUSHLESS DC MOTOR	INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH	2018	T. AMAR KIRAN
31	VOLTAGE AND CURRENT CONTROL IN A DISTRIBUTION NETWORK USING OPEN LOOP AND CLOSED LOOP OPERATED STATCOM	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	T. AMAR KIRAN
32	DC DROOP CONTROL STRATEGY FOR DYNAMIC LOAD SHARING IN DC MICROGRID	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	T. AMAR KIRAN
33	A NOVEL METHODOLOGY FOR SINGLE PHASE TRANSFORMERLESS INVERTER WITH LEAKAGE CURRENT ELIMINATION FOR PV SYSTEMS APPLICATION	INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH	2018	P. SUGUNA RATNAMALA
34	INDUCTION MOTOR CONTROL WITH 12-SIDED POLYGONAL SVPWM WITH H-BRIDGE CONVERTER	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2018	P. SUGUNA RATNAMALA
35	PROJECT BASED LANGUAGE TEACHING AND LEARNING: A PRAGMATIC APPROACH IN ELT	INTERNATIONAL JOURNAL FOR INNOVATIVE RESEARCH IN MULTIDISCIPLINARY FIELD	2018	Mrs. S. S. Silaja
36	ANALYSIS OF FLOW OF A MHD CASSON FLUID OVER AN EXPONENTIALLY STRETCHING SHEET	3 RD INTERNATIONAL CONFERENCE ON RESEARCH TRENDS IN ENGINEERING APPLIED SCIENCE AND MANAGEMENT	2018	Mrs. A. Pavan Kumari
37	NANOPARTICLES FOR THERMAL THERAPY OF CANCEROUS CELLS	2 ND INTERNATIONAL CONFERENCE ON NANO SCIENCE & ENGINEERING APPLICATIONS	2018	Dr. P.V.N. Acharyulu
38	IMPACT OF CUSTOMER SATISFACTION ON PROFITABILITY OF INDIAN AUTOMOTIVE INDUSTRY-A CASE OF SELECT COMPANIES	22 ND NIRMA INTERNATIONAL CONFERENCE ON MANAGEMENT	2018	Dr. M. V. Subba Rao
39	THEORETICAL ASPECTS OF THE WORKING WOMEN AND HOSPITALS	RESEARCH DIRECTIONS, JOURNAL	2018	Dr.K.Roja

S.NO	PAPER TITLE	JOURNAL/CONFERENCE	YEAR	STAFF NAME
40	Socio-Economic Aspects Of The Women Employees In The Health Sector - A Study With Reference To Selected Hospitals	REVIEW OF RESEARCH	2018	Dr.K.Roja
41	Case Study on Social Entrepreneurship, A Catalyst for Rural Empowerment	National Conference on <i>Rural Empowerment and Entrepreneurship For Socio-Economic Change</i> (NCREESEEC-2018)	2018	Dr. P R K Raju
42	Social Entrepreneurship	PERSONNEL TODAY	2018	Dr. P R K Raju
43	Saansad Adarsh Gram Yojana (Sagy) – An Innovative Management Model For Empowering Rural India	National Conference on <i>Rural Empowerment and Entrepreneurship For Socio-Economic Change</i> (NCREESEEC-2018)	2018	Dr. Rudra
44	Rural Empowerment Through Waste Management At Kammavaripalli, Anantapur District	National Conference on <i>Rural Empowerment and Entrepreneurship For Socio-Economic Change</i> (NCREESEEC-2018)	2018	Dr. P Subba Raju
45	The Role Of Women In Rural Development, Food Production And Poverty Eradication	National Conference on <i>Rural Empowerment and Entrepreneurship For Socio-Economic Change</i> (NCREESEEC-2018)	2018	Mrs. Ch Nageswari
46	Rural Entrepreneurship In The Sunshine State Of Andhra Pradesh -A Sustainable Rural Development Strategy	National Conference on <i>Rural Empowerment and Entrepreneurship For Socio-Economic Change</i> (NCREESEEC-2018)	2018	Mr D R Goodwin
47	Quality Education And Gender Equality	National Conference on <i>Rural Empowerment and Entrepreneurship For Socio-Economic Change</i> (NCREESEEC-2018)	2018	Mrs. M Sunitha
48	Digitalization And Rural Entrepreneurs	National Conference on <i>Rural Empowerment and Entrepreneurship For Socio-Economic Change</i> (NCREESEEC-2018)	2018	Mrs. M Somalatha
49	A Novel Approach towards Machine Learning in Image Retrieval	INTERNATIONAL JOURNAL OF PURE AND APPLIED MATHEMATICS	2018	R.Tamilkodi, G Roseline Nesa Kumari
50	A novel method for query based image retrieval using prototype based clustering	INT. J. IMAGE MINING,	2018	R.Tamilkodi, G Roseline Nesa Kumari, SMaruthuperumal

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51	A New Approach Towards Image Retrieval Using Texture Statistical Methods	JOIV : INTERNATIONAL JOURNAL ON INFORMATICS VISUALIZATION	2018	R.Tamilkodi, G Roseline Nesa Kumari, SMaruthuperumal
52	An algorithm for identification of Natural disaster affected area	JOURNAL OF BIG DATA	2018	M.V.Sangameswar, Dr. M. Nagabushana Rao, S. Satyanarayana
53	Detection of natural disaster affected areas using R	INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY	2018	M.V.Sangameswar, Dr. M.Nagabushana Rao
54	An innovative method of retrieving images through clusters, means and wavelet transformation Blockchain Technology - A Sturdy Protective Shield	INT. J. INF. TECNOL, INTERNATIONAL JOURNAL OF RECENT TECHNOLOGY AND ENGINEERING	2018	R.Tamilkodi, G.Roseline Nesa Kumari,
55	Performance analysis of iPR-FBMC with Maximal Ratio Combining	INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING	2018	M.Sai & Dr.S.V.R.K.Rao
56	Implementation of Simulink model for On-Board Diagnosis of an automotive system TPMS	INTERNATIONAL JOURNAL OF RESEARCH	2018	D Surya Anupama,S Vamshi Krishna
57	Design To Implement Arithmetic Logical Bit Operations and Synthesizing Polynomial Functions Using Stochastic Computation	INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING	2018	Gattu Asa Prasanthi, Ch.Sri Giri
58	High Speed and Reliable Gray Mapped Polar Codes	INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING	2018	G Haneesha, K Jayaram Kumar
59	Implementation of Tunable True Random Number Generator Based on DCM	INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING	2018	Viswanadhapalli.Tirupatamma, P.Soundarya Mala
60	Implementation and Validation of Skien Cryptographic Hash Function Using High Speed Reversible Adders in Verilog Hdl	INTERNATIONAL JOURNAL OF RESEARCH	2018	Sravya Degala & Dandamudi.Vijendra Kumar
61	Design of Low Area Approximate Arithmetic Units for Video Encoding	INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING	2018	Padimi. Ganga Bhavani, N.Rajesh Babu Dr.S.V.R.K. Rao
62	Design And Implementation Of Novel Area Efficient Scan Based Lbist Using Lp Lfsr	INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING	2018	B.Gayatri Devi, M.Saritha Devi

S.NO	PAPER TITLE	JOURNAL/CONFERENCE	YEAR	STAFF NAME
63	Minimization Of Inter Carrier Interference Using Iterative Technique for Mimo-Ofdm	INTERNATIONAL JOURNAL OF RESEARCH	2018	A Swathi & Dr. S.V.R.K. Rao
64	Performance Evaluation of OFDM Using BPSK over Different Fading Channel	INTERNATIONAL JOURNAL OF RESEARCH	2018	Thota Naga Raja & S.V.R.K Rao
65	Design and implementation of ITLC system using FPGA	IOSR JOURNAL OF ENGINEERING	2018	P.Giri Prasad,S.Vamshi krishna
66	Review Of Weather Radars - Past, Present And The Scope For Furture Modifications With Technology Innovation	INTERNATIONAL JOURNAL OF ADVANCE RESEARCH IN SCIENCE AND ENGINEERING	2018	Dr M Varaprasada Rao and MSDK Prashanth
67	Novel design of static Dual –edge triggered(DET) flip-flop using multiple C-Element	INTERNATIONAL JOURNAL FOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY	2018	T.Naga Lakshmi Surekha & K V Lalitha & Emandi Jagadeeseara Rao
68	SDN in high performance computing for scientific and business environment (SBE)	IEEE Conference Publication	2018	Sabbi Vamshi Krishna
69	Implementation of Reconfigurable CORDIC	INTERNATIONAL JOURNAL FOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY	2018	R.Bharat Kumar, Emandi Jagadeeswararao
70	Design of an Area Efficient Three Input XOR/XNOR Circuit using Systematic Cell Design Methodology	INTERNATIONAL JOURNAL FOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY	2018	V. Sree Vani, V.Lavanya
71	Reliable Low Power Multiplier Design Using Reduced Precision Redundancy by Wallace Architecture	INTERNATIONAL JOURNAL FOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY	2018	Ch. Rajesh Babu, P. Lakshmi Neeraja2
72	Design of Rectangular to Polar Reconfigurable Cordic	INTERNATIONAL JOURNAL OF RESEARCH	2018	R. Bharat Kumar & Emandi Jagadeeswararao
73	Area Reduction Exclusive OR/NOR Design Using SCDM	INTERNATIONAL JOURNAL OF RESEARCH	2018	V.Lavanya & V.Sreevani
74	High-efficient approximate multiplier designed using modified 4-2 compressor	INTERNATIONAL JOURNAL OF RESEARCH	2018	N.Padma Sireesha & V.Sreevani

S.NO	PAPER TITLE	JOURNAL/CONFERENCE	YEAR	STAFF NAME
75	Extended Privacy Protection with Flexible Architecture in RFID Using Variable Key Scheme	INTERNATIONAL JOURNAL FOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY	2017	S. Bharathi, CH. Srigiri
76	Design of 3T Gain Cell for Ultra Low Power Applications	INTERNATIONAL JOURNAL FOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY	2017	S. Anil Kumar, V. Lavanya
77	An Interactive Method for Content-Based Image Retrieval based on Relevance Feedback and Multiple GLCM features	INTERNATIONAL JOURNAL OF RESEARCH	2017	M. Naga Sireesha & G. Srujana
78	Modeling And Design of Wind and Solar Operated DC Microgrid Topology	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2017	Ramjee Sakpal Mortha
79	Integrated Solar Photovoltaic System With Battery as Energy Storage for Grid Connected System With Five Level Inverter	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2017	K.Narendra
80	Transformerless Seven Level Inverter for Single-Phase Photovoltaic System to Reduce the Leakage Current	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2017	Dr.D.Ravi Kishore
81	Energy Management Strategy in a DC Microgrid With Hybrid Storage System	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2017	Dr.D. Ravi Kishore
82	Analysis of Different Apod PWM Technique Multilevel Converter Topologies for Photovoltaic Applications	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2017	M. John Srinivasa Rao
83	State of Charge (Soc) Balance by Adaptive Control for Energy Storage Systems in Microgrid Applications	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2017	I. Solomon Raju
84	Fuzzy Logic Based Controller Distributed Generators with Hybrid Inverter for Unbalanced Loads	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2017	M.V. Ragavendra Reddy
85	Power Flow Controller with Back-To-Back Converters in Grid Connected Microgrid System	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2017	T. Amar Kiran

S.NO	PAPER TITLE	JOURNAL/CONFERENCE	YEAR	STAFF NAME
86	Low Voltage DC Distribution System for Power Sharing of Parallel DC-DC Converters Using Current Limiting Droop Control	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2017	G. Chandra Sekhar Reddy
87	THREE PHASE MODULAR CASCADED H-BRIDGE MULTI STRING PV SYSTEM	INTERNATIONAL JOURNAL FOR MODERN TRENDS IN SCIENCE AND TECHNOLOGY	2017	M. RAMJEE SAKPAL
88	A NEW TRANSFORMER LESS MODULAR MULTILEVEL CONVERTERS (MMC) BASED ON HALF-BRIDGE CONVERTERS AT DISTRIBUTION LEVEL	JOURNAL OF SCIENCE AND TECHNOLOGY	2017	T. AMAR KIRAN
89	INTEGRATED ENERGY MANAGEMENT FOR A PV-WIND DIESEL-FUEL CELL BASED HYBRID SYSTEM FOR A REMOTE AREA POWER SUPPLY	JOURNAL OF SCIENCE AND TECHNOLOGY	2017	N.VIJAYA KUMAR
90	SYNCHRONOUS REFERENCE FRAME CONTROL BASED SHUNT ACTIVE FILTER FOR POWER QUALITY IMPROVEMENT	JOURNAL OF SCIENCE AND TECHNOLOGY	2017	M.V. RAGHAVENDRA REDDY
91	MODELING AND DESIGN OF WIND AND SOLAR OPERATED DC MICROGRID TOPOLOGY	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2017	RAMJEE SAKPAL MORTHA
92	INTEGRATED SOLAR PHOTOVOLTAIC SYSTEM WITH BATTERY AS ENERGY STORAGE FOR GRID CONNECTED SYSTEM WITH FIVE LEVEL INVERTER	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2017	K.NARENDRA
93	TRANSFORMERLESS SEVEN LEVEL INVERTER FOR SINGLE-PHASE PHOTOVOLTAIC SYSTEM TO REDUCE THE LEAKAGE CURRENT	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2017	DR.D.RAVI KISHORE
94	ANALYSIS OF DIFFERENT APOD PWM TECHNIQUE MULTILEVEL CONVERTER TOPOLOGIES FOR PHOTOVOLTAIC APPLICATIONS	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2017	M. JOHN SRINIVASA RAO
95	STATE OF CHARGE (SOC) BALANCE BY ADAPTIVE CONTROL FOR ENERGY STORAGE SYSTEMS IN MICROGRID APPLICATIONS	ANVESHANA'S INTERNATIONAL JOURNAL RESEARCH IN ENGINEERING AND APPLIED SCIENCES	2017	I. SOLOMON RAJU

III. Faculty working various departments has filed their research works for patenting. Details are furnished below for your kind perusal.

Godavari Institute of Engineering & Technology (Autonomous), Rajahmundry								
Innovative designs applied for Patents - IPR (Utility Patent/Design Patent/Copy Rights)								
IPR		Name of Applicants	Title of The Patent	File No.	Filed / Published	Date and Year	Description	Trade/Wing
2015-16	1	D.V. Ramamurthy, R. Tamilkodi, B. Sujatha	Student Feedback and Faculty Rating Software System	OW 163669 - U30112	Published	24-09- 2015	The software system developed is a very useful and powerful tool to incorporate the institution's policies as a basis for collecting the feedback from the students in a systematic manner and then compute a "Merit Index" to each faculty member based on a rigorous Multiple Attribute Decision Making (MADM) methodology.	Engineering/ Social Impact
2016-17	2	Ms. Vidyasri Khadanga, Prof. Kottanka Subbarao, Mr. B.Atcha Rao	ELASTIC PROJECTILE LAUNCHER	OW 163671 - U30112	Published	17-11- 2016	This invention "Elastic projectile launcher" relates to the field of physics. The fundamental laws of physics such as Hooke's law, law of conservation of energy and projectile motion is the base of this invention. In this launcher potential energy stored in the elastic member is converted into kinetic energy which propel the object to move with certain velocity.	Engineering/ Social Impact

Godavari Institute of Engineering & Technology (Autonomous), Rajahmundry

Innovative designs applied for Patents - IPR (Utility Patent/Design Patent/Copy Rights)

IPR	Name of Applicants	Title of The Patent	File No.	Filed / Published	Date and Year	Description	Trade/Wing	
	3	Dr. D.V. Rama Murthy, Ms.Vidyasri Khadanga, Prof. Kotlanka Subbarao	Stair Climbing Gas Cylinder Carrier	OW 163670 - U30112	Published	03-03-2016	This invention is based on gas cylinder trolley that can step over obstacles and/or that which can move over stairs by using an intelligently placed wheel set. This is a portable gas cylinder trolley to enable even women with health conditions to domestic gas cylinders very easily. This gas cylinder carrier equally distributes the weight of cylinder throughout the design to make it safe. Therefore, this invention is safe and easy to use. It has wide applications in industries, welding shops, hospitals etc	Engineering/ Social Impact
2017-18	4	Dr. N.LEELAVATHY	An Approach on Characteristic Feature Based Watermarking Algorithm in Discrete Multiwavelet Transform Domain communication networks	OW 163678 - U30112	Published	07-12-2017	Generally, the present invention relates to field of Security in Multimedia. More specifically, the present invention can resolve problems of attacking multimedia objects by digital image processing attacks. It is to protect the ownership and claim for copyright. The algorithm is found robust against common image processing attacks, motion JPEG 2000 (MPJ2K) compression, frame averaging, and frame swapping attacks. The quality of the watermarked video is high demonstrating imperceptibility of embedded watermark and can be used in medical and digital cinema where it demands for high-quality.	Engineering/ Social Impact/CSE
	5	Prof. Kotlanka	Portable mini paddy	OW 163677 -	Published	02-11-	The field of invention is agricultural machine for	Engineering/

Godavari Institute of Engineering & Technology (Autonomous), Rajahmundry

Innovative designs applied for Patents - IPR (Utility Patent/Design Patent/Copy Rights)

IPR	Name of Applicants	Title of The Patent	File No.	Filed / Published	Date and Year	Description	Trade/Wing
	Subbarao, Ms.Vidyasri Khadanga, Dr. D.V.Rama Murthy	harvesting and threshing machine	U30112		2017	harvesting and threshing operations. The machine is especially useful since non-farming labors are getting more pay than farming labors, thus creating a scarcity of manual labor in farming area. The machine is small and can be run in automatic mode and hence is affordable for small scale farming also	Social Impact
6	V. SUBRAHMANYAM	A novel approach on electric powered wheel chair	OW 163676 - U30112	Published	24-08- 2017	The present invention relates to field of Automobile Engineering and also Medical equipment. More specifically, the present invention can resolve the problems of carrying the patients in narrow roads and also in the hospitals and public places	Engineering/ Social Impact
7	V. SUBRAHMANYAM	A novel approach on emergency exit system for busses	OW 163675 - U30112	Published	27-07- 2017	The present invention relates to field of public transportation.It's a safety system in public transport vehicles. More specifically, the present invention can help the onboard passengers to escape from busses during accidents especially while fire accidents	Engineering/ Social Impact
8	Dr. D. Ravi Kishore	A novel approach on ocean thermal energy conversion plant (OTEC) with solar thermal energy for improving thermal efficiency and cost optimization	OW 163674 - U30112	Published	15-06- 2017	Generally, the present invention relates to field of Electrical Energy. More specifically, the present invention can resolve all issues of power demand, problems with hybrid vehicles, west operation and maintenance cost. This is due to the fact that operation and maintenance are mainly determined by maintenance cost of the power block and collector maintenance. The OSP(Off-Shore solar pond) collector is maintained by the sand filter, which costs are	Engineering/ Social Impact

Godavari Institute of Engineering & Technology (Autonomous), Rajahmundry

Innovative designs applied for Patents - IPR (Utility Patent/Design Patent/Copy Rights)

IPR	Name of Applicants	Title of The Patent	File No.	Filed / Published	Date and Year	Description	Trade/Wing
						part of the (low) total investment. The annual electricity production is high because unlike the CSP(Concentrated solar Power) scenario, the OTEC-OSP scenario produces electricity both day and night. The low investment, low Operation and maintenance costs and a high annual electricity production lead to low Electricity costs of the OTEC-OSP design. The new OTEC-OSP design has the lowest Kwh price of all STE(Solar Thermal Electricity) scenarios. The fuel costs of the coal Plant are replaced by the collector investment of the OTEC-OSP scenario, because the Collector is relatively low priced. Therefore, after estimating the electricity prices of the Coal plant and the OTEC-OSP plant we conclude based on these kwh prices the OTEC-OSP is cost-competitive with the conventional coal-fired power plant.	
	9 Ms. Vidyasri Khadanga, Mr. B. Atcha Rao, Mr. B. Jagadish	"Multi-size tablet cutter"	OW 163672 - U30112	Published	09-03-2017	The field of invention relates to the device for cutting tablets into smaller parts or the desired proportion. Cutting of tablets is necessary to cut the tablets accurately and safely into small parts according to the dosage prescribed by the doctor. This invention is a multi-size tablet cutter which is operated manually to break the tablet	Engineering/ Social Impact
2018-19	10 Dr. N. Leelavathy Dr. B. Sujatha	Rr-atm: rural area atm	201941000588	Published	January, 2019	Rr-atm: rural area atm	Engineering/ Social Impact/CSE

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	Dr. M V Sangameswar Srija Madhu						
1 1	Dr. T V Prasad Dr. N. Leelavathy D. Sattibabu Dr. S V S N Murthy	Data delete your pen drive then data link send your mobile number	201941000589	Published	January, 2019	Data delete your pen drive then data link send your mobile no	Engineering/ Social Impact/CSE
1 2	Dr. D. Ravi Kishore Dr. V. Kusuma Kumari Dr. T V Prasad R. Tamil Kodi	Wssl-pole: woman security increase using street light pole	201941000590	Published	January, 2019	Wssl-pole: woman security increase using street light pole	Engineering/ Social Impact/CSE/ EEE
1 3	Dr. T. Jayanand Kumar K. Subbarao Kedaranath Mahapatro V. Subrahmanyam	AS-Drone: AUTO SECURITY SMART CAM DRONE AND STATION	201941000596	Published	January, 2019	As-drone: auto security smart cam drone and station	Engineering/ Social Impact/Mech /AME
1 4	Dr. D. Venkateswarulu Dr. D L N Raju Dr. U. Arun Kumar Dr. P. Subbaraju	TSWL-Control: TIRE STATUS WITH LOADING CONTROL	201941000597	Published	January, 2019	Tswl-control: tire status with loading control	Engineering/ Social Impact/Mech /AME
1 5	Dr. N. Leelavathy Dr. M V Sangameswar	ROTATING NUBILISER	313550-001	Filed	2018	The novelty resides in the shape, configuration and surface pattern of "ROTATING NUBILISER" as illustrated.	Engineering/ Social Impact/CSE

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IPR	Name of Applicants	Title of The Patent	File No.	Filed / Published	Date and Year	Description	Trade/Wing
16	Dr. T V Prasad Srija Madhu	INJECTION GUIDE	313551-001	Filed	2018	The novelty resides in the shape, configuration and surface pattern of "INJECTION GUIDE" as illustrated. It is used for retracting eyelid and guiding distance, angle and depth of injection for intravitreal procedures.	Engineering/ Social Impact/CSE
17	Dr. B. Sujatha Dr. V. Kusuma Kumari	HELICAL TURBINE	313552-001	Filed	2018	The novelty resides in the shape, configuration and surface pattern of "HELICAL TURBINE" as illustrated.	Engineering/ Social Impact/CSE
18	Kedaranath Mahapatro V. Subrahmanyam	DRIFTING KART	313553-001	Filed	2018	The novelty resides in the shape, configuration and surface pattern of "DRIFTING KART" as illustrated.	Engineering/ Social Impact/Mech
19	Dr. D L N Raju R. Tamil Kodi	FOOTREST CARSEAT	313555-001	Filed	2018	The novelty resides in the shape, configuration and surface pattern of "FOOTREST CARSEAT" as illustrated.	Engineering/ Social Impact/MS
20	Dr. P. Subbaraju Dr. S V S N Murthy	SOLAR LAMP	313554-001	Filed	2018	The novelty resides in the shape, configuration and surface pattern of "SOLAR LAMP" as illustrated.	Engineering/ Social Impact/AE
2019-20	Dr. S.Suryanarayana Raju Dr.T.Vamseekiran Dr.V.Kusumakumari Dr.M.Vijayasekharbabu	P-TILES	455812-001	Applied	November , 2019	P-tiles	Engineering/ Social Impact/EEE/ CIVIL

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IPR	Name of Applicants	Title of The Patent	File No.	Filed / Published	Date and Year	Description	Trade/Wing
	Dr.D.Venkateswarlu						
2 2	Dr.P M M S Sarma Dr.T.Jayanand Kumar Dr. SVSN Murthy Dr.M.Sreenivasa Rao Dr.V Subrahmanyam	ASSC-DRONE: AUTO SECURITY SMART CAM DRONE	455814-001	Applied	November , 2019	Assc-drone: auto security smart cam drone	Engineering/ Social Impact/MEC H/AME
2 3	Dr. SV R Kondala Rao Dr.P.Subbaraju Mr.S.Vamsi Krishna Mr.P.Venkata Rao Mr.D.Vijendra Kumar	ASI-DEVICE: ADVANCED SECURE IDENTIFICATION DEVICE	455821-001	Applied	November , 2019	Asi-device: advanced secure identification device	Engineering/ Social Impact/ECE/ MBA
2 4	Dr. T V Prasad Dr. B.Sujatha Dr. Shrija Madhu Mr.D. Sattibabu Mrs. R.Tamil Kodi	ATCC-CRIME: ADVANCED TECHNOLOGY CAN CONTROL CRIME	455822-001	Applied	November , 2019	Atcc-crime: advanced technology can control crime	Engineering/ Social Impact/CSE
2 5	Dr. N.Leelavathy Dr. M.Sangameswar Dr. P R K Raju Dr.D L N Raju Mrs.K.Vallimadhavi	WLD-SYSTEM: WATER LEAK DETECTION SYSTEM	455828-001	Applied	November , 2019	Wld-system: water leak detection system	Engineering/ Social Impact/CSE/ MBA



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