


FACULTYPROFILE

Name of the Faculty:		Dr.B.VIJAYA KRISHNA				
Designation:		ASSISTANT PROFESSOR				
Department:		EEE				
Date of Birth:		04-06-1985				
AICTE- ID:		1-3176789458				
Education		<ul style="list-style-type: none"> B.Tech in EEE from Bapatla Engineering College in 2006 M.Tech in Power & Industrial Drives from JNTUK in 2009 PhD in Electrical Engineering from JNTU ANANTAPUR University 				
Experience		Teaching: 16Years	Industry: NIL		Total: 16Years	
		Research: NIL	Others: NIL			
Research Specialization		EV CHARGING				
Courses taught		<ol style="list-style-type: none"> 1. Non-Conventional Energy Sources 2. Digital Electronics 3. Network Analysis 4. Control Systems 5. Power System Protection 6. Renewable Energy Sources 7. Basic Electrical and Electronics Engineering 8. Electrical Technology 9. Power Electronics 10. Industrial Drives 				
Research contributions						
International/national peer reviewed journals						
S. No.	Title of paper	Journal	Year	Volume	pages	Indexing (SCI/WoS/SCOPUS, Google scholar)
1	Modelling, simulation and Implementation of Effective	Hindawi Modelling and Simulation in	2022	2	344-352	SCOPUS

	Controller for KY stepping up converter	Engineering					
2	Modified Mechanical Structure Electric Bike Design Computation and prototype Model Implementation	Hindawi Modelling and Simulation in Engineering	2022	2	344-352	SCOPUS	
3	Design and Implementation of DPFC for MULTI-Bus Power System	International Journal of Engineering & Technology (IJET)	2018	7	18-22	COPUS	
4	Environmental Feasibility Survey of Solar Photovoltaic Cells	International Conference on Artificial Intelligence for Smart Community	2022			SCOPUS	
5	MATLAB/Simulink Study Of Multi-Level Inverter Topologies Using Minimized Quantity Of Switches	International Journal of Engineering & Technology (IJET)	2018	7	209-216	SCOPUS	
6	Enhancement of Power Quality in Distribution System Using Hybrid Seven Level H-Bridge Inverter Based DPFC	Journal of Electrical Engineering	2018	1	114-122	SCOPUS	
7	Experimental Verification of Multi-Level Approached DPFC to Improve Power Quality	International Journal of Pure and applied mathematics (IJPAM)	2018	120	209-9447-9473	SCOPUS	
8	Mitigation Of Sag And Swell In Multibus System By Using DPFC	International Journal of Engineering Development and Research (IJEDR)	2016	4	297-304	SCOPUS	
9	A Novel Control Grid of Interconnection	JOURNAL OF ELECTRICAL	2015	2		SCOPUS	

	Renewable Energy Sources at the Distribution Level with Power-Quality Improvement Feature	AND ELECTRONICS ENGINEERING				
10	Performance Comparison of PID and Neural-Network Based Unified Power-Quality Conditioner	International Journal of Technology and Engineering Science [IJTES]	2014	2[8]	2190-2195	SCOPUS
11	Enhancement of Power Quality using Fuzzy based Multilevel DPFC	International Journal of Technology and Engineering Science	2014	2[8]	2218-2223	SCOPUS
12	Implementation of SRF based Multilevel Shunt Active Filter for Harmonic Control	International Journal of Engineering Research and Development	Sep 2012	3	ISSN:278-800X	SCOPUS
13	Designing of Multilevel DPFC to Improve Power Quality	International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT)	2016	978-1-4673-9939-5		IEEE
14	Enhancement of Power Quality Using Hysteresis Voltage Control Based DVR	ICECIT	2012			ELSEVIER

Books published

S. No.	Title of the book	Publisher	year
1			

Book chaptersPublished

S.No.	Title of the Chapter	Book title	Publisher	year
1				

Details of Patents(Filed&Granted)

S. No.	Applications number	Title of the patent	Date of filing/publishing	Published/granted
1	202041035792	PORTABLE PELTIER AIR CONDITIONER	2020/9/11	Published
2	202041029576A	SMART PARKING AND VEHICLE NAME PLATE DETECTION	2020/7/1	Published

Details of Conferences/FDPs/STTPs/webinars/WorkshopsOrganized

S.No.	Name of the event	Role	Dates
1	Electrical CAD Design	Organizer	26-06-2023 to 01-07-2023
2	Technological Advances In Power Switching Converters For Renewable Energy Sources and Fuel cell Technology for E-Vehicles	Organizer	01 th -05 th june 2020
3	Challenging Avenues And Research on Fuel cell Operated Electric Vehicle Retrofitting	Organizer	6 th -10 th jan 2020
4	Virtual Labs	Organizer	04/04/2019
5	Feedback Controllers For Renewable Energy Systems In Micro Grid	Organizer	Sep, 2018 to 29 th Sep, 2018
6	Application of Matlab/simulink to electrical system	Organizer	Dec 27 th to 29 th , 2017
7	Enhance System Robustness with eFuse Power Path Protection Solutions	Organizer	24/06/2017
8	How to design and develop an embedded application	Organizer	18th August 2018
9	Stress mangement, Motivation and on leadership qualities	Organizer	28/11/2018

10	Inner Engineering for Young Engineers	Organizer	1/12/2018
11	Design of Electrical and extra low voltage system for comercial buildings	Organizer	8/12/2018
12	Awareness program on career development	Organizer	02/02/2019
13	Applications of Advanced DC-DC Power Converter	Organizer	18/9/2019
14	Applications of Solar Energy	Organizer	18/9/2019

Details of Conferences/FDPs/STTPs/webinars/Workshops Participated

S.No.	Name of the event	Organized by	Dates
1	Future trnds and advances in electrical engineering	Aditya Engineering College	5-7-2023 to 9-7-2023
2	Design, Implementation and control of electrical system using MATLAB	Bapatla Engineering College	3 rd to 7 th JAN 2023
3	Creativity, Innovation and design thinking	Mordabad institute of technology	29 may to 2 june 2023
4	New trends in electrical power systems	Bapatla engineering college	1 st to 3 rd may 2023
5	Research report and article writing using latex software	Bapatla engineering college	17 th to 18 th march 2023
6	Application of Power Electronics in Electric Vehicles	ATAL	12-12-2022 to 23-12-2022
7	Outcome based education and examination reforms	Bapatla engineering college	3 rd to 5 th august 2022
8			

Awards/recognitions/achievements

S.No.	Name of the Award	Awarding body/Society/Organization	Year
1	BEST TEACHER AWARD	BEC/EEE	2012
2	BEST TEACHER AWARD	BEC/EEE	2021
3	BEST PATENT AWARD	ANU	2023

Details of project proposals submitted/sanctioned/completed

S.No.	Title of the Project	Funding body	Submitted/ Sanctioned/ Completed	Amount	Year/ duration
1	Challenging avenues and research on fuel cell operated electric vehicle retrofitting.	Council of Scientific & Industrial Research (CSIR), Ministry of Science & Technology, Govt. of India	SUBMITTED	270000	2020

Consultancy contribution

S.No.	Year	Amount	Details
1			

Student Project/research guidance

S.No	Level	Total number	
1	UG	Completed: 16	Ongoing:02
2	PG	Completed: 5	Ongoing:
3	PhD	Completed:	Ongoing:

Administrative experience

S.No.	Role	Duration (From – to)
1	Department/Institute level Training and placement officer	03-03-2020 to 03-07-2023
2	Prepare the policy of Training & Placement cell	03-03-2020 to 03-07-2023
3	NBA Criteria-7-Coordinator	One year
4	BoS College wide Faculty Member	Last 5 years

Research credentials

Index/database	ID/Link
Google Scholar	https://scholar.google.com/citations?hl=en&user=tZH0oagAAAAJ
SCOPUS	
Web of Science	
Vidwan ID	

Any other relevant information

(Name)
(Date)