

RKDF University, Bhopal
Faculty Profile



Basic Information				
Name	Dr. Sanjay Jain			
Date of Birth	21-09-1975			
Designation	Professor			
Department	Electrical Engineering			
Experience	17 year			
Email ID	<u>principal.bce2024@gmail.com</u>			
Contact No	9826059342			
Educational Qualifications				
Description	Year	%	Institute/University	
(UG)- B.E.	2000	62.65%	Nagpur University, Nagpur (MS)	
(PG)- (Energy Technology)	2011	72.05%	R.G.P.V. University, Bhopal (M.P.)	
M. Phil.	-	-	-	
(Ph. D.)- Electrical Engineering	2018	Awarded	Dr. C.V. Raman University Kota, Bilaspur (C.G.)	
Post Doctorate	2023	Awarded	RPI, USA & RKDF University, Bhopal	
NET Qualified/GATE				
Experience Detail				
Experience (Teaching/Research)	Designation	Duration		Name of Institute/University
		From	To	
Teaching	Lecturer	17-11-2008	20/03/2013	Sri Satya Sai College of Engineering, Bhopal (M.P.)
Teaching	Assistant Professor	20/03/2013	18-11- 2021	RKDF University, Bhopal (M.P.)
Teaching	Associate Professor	19-11-2021	18-11- 2024	RKDF University, Bhopal (M.P.)
Teaching	Professor	19-11-2024	Till date	RKDF University, Bhopal (M.P.)

Publications			
No. of Papers Published	100		
No. of Books Published	01		
Books Chapters Published	03		
No. of Patents Published/Grant	05		
Ph.D./M. Phil Project supervised			
Research Program	Award	Under Supervision	Name of University
Ph. D (Provide detail i.e. name, title etc)- Attach Annexure-II	01	06	RKDF University, Bhopal (M.P.)
M. Phil	-	-	-
PG Thesis/Dissertation	26	03	RKDF University, Bhopal (M.P.)
Area of Expertise (100 words)			
In the integration of Basic Electrical Engineering, Power Systems, Control Systems, and Energy Conservation Management. I specialize in designing, analyzing, and optimizing electrical systems, ensuring efficient energy use, and implementing advanced control mechanisms for enhanced system performance and sustainability.			
Award and Achievement			
Name of Award	Description (With certified of Copy award)		
National	-		
International	-		
Conference/Seminar/Workshops/FDP			
Description	No.		
Conference/Seminar p a p e r presentation	25		
Conference/Seminar attended/ organized	11 (attended)		
Work shop attended/ organized	01 (organized)		
FDP Attended/ organized	-		
Research Project			
Name of Project	Funding Agencies	Amount	

Nil	-	-
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- **Any other Achievement**

Annexure-I

List of Published Papers

S. No	Title of paper	Name of journal	Year	Link (if any)
1	Impact of DG Allocation on Loss Minimization in Distribution Network: A Review	RGI International Journal of Applied Science & Technology	2011	.
2	Siting and Sizing of DG in Medium Primary Radial Distribution System with Enhanced Voltage Stability	Hindawi Publishing Corporation Chinese Journal of Engineering	2014	https://onlinelibrary.wiley.com/doi/10.1155/2014/518970
3	Evaluation Of Optimal Access Location And Capacity Of DG For Insertion In Distribution System With Condensed Power Losses Showing Improved Critical Bus Voltage Stipulation	Electrical and Electronics Engineering: An International Journal (ELELIJ)	2015	https://www.sciencedirect.com/science/article/abs/pii/S1364032117305245
4	Improvement of Plant Efficiency Through Effective Maintenance Procedures: Detailed Analysis of Available Maintenance Procedures, Part-1	TIT International Journal of Science & Technology	2016	
5	Improvement of Plant Efficiency Through Effective Maintenance Procedures: A case Study of Wind Farms Limited, Dewas, (M.P.) India, Part-II	TIT International Journal of Science & Technology	2016	
6	Distributed generation deployment: State-of-the-art of distribution system planning in sustainable era	Renewable and Sustainable Energy Reviews	2017	https://www.sciencedirect.com/science/article/abs/pii/S1364032117305245
7	Optimum Power Control and Quality Improvement	International Journal of Advance of Advance	2017	https://www.ijaerd.org/index.php/IJAERD/article/view/1797

	in Hybrid Power System	Engineering and Research Development		
8	Mitigation of Inrush Current of Transformer Using Voltage Sag Compensator	International Journal of Advance Research ,Ideas and Innovations in Technology	2017	https://www.ijariit.com/manuscripts/v3i1/V3I1-1176.pdf
9	Importance of Energy Conservation in Power System Economy	TIT International Journal of Science & Technology	2017	
10	Trends of Economic Growth and Energy Demand in India	TIT International Journal of Science & Technology	2017	
11	Application of Energy Management System in Power System Analysis: Investigations of Different Modules-Part I	TIT International Journal of Science & Technology	2017	
12	Application of Energy Management System in Power System Analysis: Investigations of Different Modules-Part II	TIT International Journal of Science & Technology	2017	
13	A Comparative for Fault Location Estimation for Bipolar HVDC Transmission Line Using Different ANN Technique	International Journal of Contemporary Technology and Management	2018	
14	A Review on HVDC Transmission Line Fault Location Detection With Different ANN Technique	International Journal of Software & Hardware Research in Engineering	2018	https://ijournals.in/wp-content/uploads/2018/06/5.6607-Satish.compressed.pdf
15	Fuzzy Logic Approach for Unit Commitment of Load Dispatching	SHODH SANGAM A RKDF University Journal of Science and Engineering	2018	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/6-9-apporv.pdf
16	A Survey on Energy Saving Approaches for Locomotive DC Drive System	SHODH SANGAM A RKDF University Journal of Science and Engineering	2018	
17	Methods of Unit	SHODH SANGAM	2019	http://shodhsangam.rkdfuniv.in/Co

	Commitment Constraints of Load	A RKDF University Journal of Science and Engineering		Content/Documents/papers/SS0067.pdf
18	Performance Improvement of Induction Motor by Using Fuzzy Logic Controller	SHODH SANGAM A RKDF University Journal of Science and Engineering	2019	
19	Speed Control of Three Phase Induction Motor by Using PI and PID Controller	SHODH SANGAM { A RKDF University Journal of Science and Engineering	2019	
20	A Wide Area Damping Controller of Power System	SHODH SANGAM { A RKDF University Journal of Science and Engineering	2019	
21	Wide Area Damping Controller of Power System With Emphasis on Damping of Critical Inter Area Mode	SHODH SANGAM { A RKDF University Journal of Science and Engineering	2019	
22	Performance Improvement of Solid State Transformer	Research Journal of Engineering Technology and Management	2019	
23	Transformer Less Grid Connected PV System with Reduced THD	SHODH SANGAM { A RKDF University Journal of Science and Engineering	2019	
24	The Review of Hybrid Energy Storage Topologies for Power System Application	Research Journal of Engineering Technology and Management	2019	http://www.rjetm.in/RJETM/Special%20Issue%20(2019)/The%20Review%20of%20Hybrid%20Energy%20Storage%20Topologies%20for%20Power%20Systems%20Application.pdf
25	Enhanced Loadability and Inapt Locations	International Journal of Recent Technology and Engineering (IJRTE)	2019	https://www.ijrte.org/portfolio-item/d8270118419/
26	Fault location Method Using Fuzzy Logic membership Function	2nd International Conference on Contemporary Technological Solution towards fulfillment of Social Needs	2019	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/special_issue2019/81-84%20Jeetendra.pdf
27	Partial Discharge Inception Rating of a Three Core Power Cable from Consideration of Discharges in Voids	2nd International Conference on Contemporary Technological Solution towards	2019	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/special_issue2019/92-99%20Kanjinhai.pdf

		fulfillment of -Social Needs		
28	Hybrid Energy Storage System Schemes for Power System Application	Engpapper.com	-	
29	The Review of Hybrid Energy Storage Topologies for Power System Application	Research Journal of Engineering Technology and Management	Special Issue 1 (2019)	http://www.rjetm.in/RJETM/Special%20Issue%201%20(2019)/The%20Review%20of%20Hybrid%20Energy%20Storage%20Topologies%20for%20Power%20Systems%20Application.pdf
30	MATLAB Based Digital Analysis of Partial Discharge in Power System	2nd International Conference on Contemporary Technological Solution towards fulfillment of Social Needs	2019	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/special_issue2019/85-91%20KanjinHai.pdf
31	Partial Discharge Detection Methods in High Voltage Power Capacitor Equipment	2nd International Conference on Contemporary Technological Solution towards fulfillment of Social Needs	2019	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/special_issue2019/92-99%20KanjinHai.pdf
32	Hybrid Energy Storage System Employing Battery And Super Capacitor To Cater Transient Load	2nd International Conference on Contemporary Technological Solution towards fulfillment of Social Needs	2019	
33	Smart Meter Data Monitoring	SHODH SANGAM { A RKDF University Journal of Science and Engineering	2020	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS0289.pdf
34	Brilliant Meter Using GSM Technology	Research Journal of Engineering Technology and Management	2020	http://www.rjetm.in/RJETM/Vol03_Issue02/Brilliant%20Meter%20using%20GSM%20Technology.pdf
35	H-bridge multilevel inverter for PV/Wind hybrid energy system	Research Journal of Engineering Technology and Management	March 2020	http://www.rjetm.in/RJETM/Vol03_Issue01/H-bridge%20multilevel%20inverter%20for%20PV_Wind%20hybrid%20energy%20system.pdf
36	Five level CHB Using Pulse Width Modulation (PWM) Technique	Research Journal of Engineering Technology and Management	March 2020	http://www.rjetm.in/RJETM/Vol03_Issue01/Five%20level%20CHB%20Using%20Pulse%20Width%20Modulation%20(PWM)%20Tech

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37	Various levels of Multilevel Inverters and comparative Analysis	SHODH SANGAM { A RKDF University Journal of Science and Engineering	May 2020	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS0278.pdf
38	7-level cascaded H-bridge inverter using selective harmonic elimination	SHODH SANGAM { A RKDF University Journal of Science and Engineering	May 2020	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS0279.pdf
39	Performance Improvement of Doubly Fed Induction Generator (DFIG) phasor model by ANN using MATLAB/ Simulink	SHODH SANGAM { A RKDF University Journal of Science and Engineering	July 2020	
40	Artificial Neural Network (ANN) control strategy for Doubly Fed Induction Generator (DFIG)	Research Journal of Engineering Technology and Management	June 2020	http://www.rjetm.in/RJETM/Vol03_Issue02/Artificial%20Neural%20Network%20(ANN)%20control%20strategy%20for%20Doubly%20Fed%20Induction%20Generator%20(DFIG).pdf
41	A Literature Review on Energy Saving Approach for Locomotive DC Motor Using Power IGBTs	SHODH SANGAM { A RKDF University Journal of Science and Engineering	2020	
42	A Simulation Analysis of Highly Efficient Technique for Renewing Decelerating DC Drive System	International Research Journal of Technology and Applied Science	2020	
43	Voltage Sag Compensator Based on a Transformer-Coupled Series Connected Voltage Source Inverter	SHODH SANGAM { A RKDF University Journal of Science and Engineering	2020	
44	The Mitigation Techniques Inrush Current of Transformer and Voltage Sag Compensator	Research Journal of Engineering Technology and Management	2020	http://www.rjetm.in/RJETM/Vol03_Issue02/The%20mitigation%20techniques%20inrush%20current%20of%20transformer%20and%20voltage%20sag%20compensator.pdf
45	An Exploratory Survey on Sliding Mode Controller for Induction Motor Drives	SHODH SANGAM { A RKDF University Journal of Science and Engineering	2020	
46	A Highly Efficient Design Mode Controller for Application of Induction Motor Drives	International Research Journal of Technology and Applied Science	2020	
47	Hybrid Power Generation System Application for Remote Area	SHODH SANGAM { A RKDF University Journal of Science and	2020	

		Engineering		
48	Cost Analysis of PV or Wind Hybrid Power Generation	Research Journal of Engineering Technology and Medical Science	2020	http://www.rjetm.in/RJETM/Vol03_Issue04/Cost%20Analysis%20of%20PV%20or%20Wind%20Hybrid%20Power%20Generation.pdf
49	Designing a Charge Controller with a Maximum Power Point Tracker Using a Particle Swarm Optimization Method	SHODH SANGAM { A RKDF University Journal of Science and Engineering	2021	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS0340.pdf
50	Performance Improvement of a Hybrid Wind-Solar Hybrid Simulated with a PI Controller	Research Journal of Engineering Technology and Medical Science	2020	
51	A Review of Simulation - and Hardware Design of a Fly Back Converter for Solar Energy Powered DC Loads	SHODH SANGAM { A RKDF University Journal of Science and Engineering	2020	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS0333.pdf
52	Simulation of Three-Phase Matrix Converter	International Journal for Research and Development	2020	
53	Simulation and Hardware Design of a Fly back Converter for Solar Energy Powered DC Loads	SHODH SANGAM { A RKDF University Journal of Science and Engineering	2021	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS0333.pdf
54	Performance enhancement of grid connected inverter with input of two PV array under different environment conditions using ANFIS control	SHODH SANGAM { A RKDF University Journal of Science and Engineering	Oct 2021	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS0389.pdf
55	A Review on PV Inverter based on Mismatched Environmental Conditions	International journal for Research in Engineering and Emerging Trends	Aug 2021	
56	Generator–Grid Interfaces for Wind Energy Systems using Matrix Converter	SHODH SANGAM -- A RKDF University Journal of Science and Engineering	Aug 2021	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS0378.pdf
57	Latest Scenario of World Energy Demand, Electricity Consumption and Their Development Trend	Research Journal of Engineering Technology and Medical Science	Dec 2021	http://www.rjetm.in/RJETM/Vol04_Issue04/Latest%20Scenario%20of%20World%20Energy%20Demand,%20Electricity%20Consumption%20and%20Their%20Development%20Trend.pdf

58	Optimal Design of Hybrid Renewable Energy System (HRES) For Off Grid Applications in Remote Areas	SHODH SANGAM { A RKDF University Journal of Science and Engineering	Dec 2021	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS0424.pdf
59	Impacts of PV penetration on the performance of Power Network	SHODH SANGAM { A RKDF University Journal of Science and Engineering	Dec 2021	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS0416.pdf
60	Performance Analysis of Solar system installation on load handling capability of Power system by using PSSE Simulator	Research Journal of Engineering Technology and Medical Science	Dec 2021	http://www.rjetm.in/RJETM/Vol04_Issue04/Performance%20Analysis%20of%20Solar%20system%20installation%20on%20load%20handling%20capability%20of%20Power%20system%20by%20using%20PSSE%20Simulator.pdf
61	An Efficient Design of Passive High Pass Filter for Shunt Active Power Filter Applications	Research Journal of Engineering Technology and Medical Science	Dec 2021	
62	A Survey on Hybrid Active Power Filter Topologies and Controllers	SHODH SANGAM { A RKDF University Journal of Science and Engineering	Dec 2021	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS0411.pdf
63	Analysis of Matrix Converter in variable frequency mode	SHODH SANGAM { A RKDF University Journal of Science and Engineering	Feb 2022	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS5107.pdf
64	MATLAB Simulink Modeling of Matrix Converter	Research Journal of Engineering Technology and Medical Science	March 2022	
65	Grid Connected PV System Using Single Phase, Single Stage Current Source Inverter	Research Journal of Engineering Technology and Medical Science	March 2022	http://www.rjetm.in/RJETM/Vol05_Issue01/Grid%20Connected%20PV%20System%20Using%20Single%20Phase,%20Single-Stage%20Current%20Source%20Inverter.pdf
66	Multilevel Inverter with Predictive Control for Renewable Energy Smart Grid Applications	International Journal of Electrical and Electronics Research (IJEER)	2022	https://ijeer.forexjournal.co.in/archive/volume-10/ijeer-100317.html
67	Enhancement of Power Quality with Increased Levels of MLI in Smart Grid Applications	Samriddhi – JPSET	2022	
68	Predictive Switching Control for Multilevel Inverter using CNN-LSTM for Voltage	ADBU journal of Engineering Technology (AJET)	July- 2022	

	Regulation			
69	Critical Analysis on Multilevel Inverter Designs for Renewable Energy Grid”	Samriddhi – JPSET,	2022.	
70	Implementation of Perturb & Observe Method in MPPT for Enhanced output of PV System	SHODH SANGAM { A RKDF University Journal of Science and Engineering	April 2022	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS5207.pdf
71	Power Quality Enhancement of Distribution System by Using D-STATCOM	SHODH SANGAM { A RKDF University Journal of Science and Engineering	June 2022	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS5308.pdf
72	Performance Analysis of Power System after Implementation of FACTS Devices	Research Journal of Engineering Technology and Medical Science	June 2022	http://www.rjetm.in/RJETM/Vol05_Issue02/Performance%20analysis%20of%20Power%20system%20after%20Implementation%20of%20FACTS%20Devices.pdf
73	A Review on Efficient Mitigation Techniques for Issues in Power Quality	SHODH SANGAM { A RKDF University Journal of Science and Engineering	June 2022	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS5212.pdf
74	Hybrid power system for reducing energy storage requirements	SHODH SANGAM { A RKDF University Journal of Science and Engineering	Oct 2022	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS5501.pdf
75	MPPT algorithm for solar wind system using standard perturbs and observe method	Research Journal of Engineering Technology and Medical Science	Sept- 2022	http://www.rjetm.in/RJETM/Vol05_Issue03/MPPT%20algorithm%20for%20solar%20wind%20system%20using%20standard%20perturbs%20and%20observe%20method.pdf
76	A Detailed Review on Efficient Mitigation Techniques for Issues Concerning Power Quality	Research Journal of Engineering Technology and Medical Science	June-22	
77	Simulation and Design Analysis of DSTATCOM and DVR for improving power Quality in Distribution Network	SHODH SANGAM { A RKDF University Journal of Science and Engineering	Oct- 2022	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS5503.pdf
78	Pulse-width modulation technique for three level bridges are reducing harmonic content and efficiency	SHODH SANGAM { A RKDF University Journal of Science and Engineering	Oct- 2022	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS5502.pdf
79	Extraction of maximum power from SPV Arrays (SPVA)	SHODH SANGAM { A RKDF University Journal of Science and	Dec- 2022	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS5602.p

		Engineering		df
80	Novel fault detection algorithms and evaluation of their deployment in multiple existing PV installations	Research Journal of Engineering Technology and Medical Science	Dec-22	http://www.rjetm.in/RJETM/Vol05_Issue04/Novel%20fault%20detection%20algorithms%20and%20evaluation%20of%20their%20deployment%20in%20multiple%20existing%20PV%20installations.pdf
81	A series connected Dynamic Voltage Restorer Used in Power Distribution Network	SHODH SANGAM { A RKDF University Journal of Science and Engineering	Dec-2022	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS5604.pdf
82	Analysis of Three Topologies of Dynamic Voltage Restorer to Mitigate Power Quality Issues	Research Journal of Engineering Technology and Medical Science	Dec-22	http://www.rjetm.in/RJETM/Vol05_Issue04/Analysis%20of%20Three%20Topologies%20of%20Dynamic%20Voltage%20Restorer%20to%20Mitigate%20Power%20Quality%20Issues.pdf
83	PV Source based Multi Area Interconnected Efficient Power System	SHODH SANGAM { A RKDF University Journal of Science and Engineering	Dec-2022	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/SS5606.pdf
84	Multi-level inverters for Renewables and Industrial Drives Applications	Research Journal of Engineering Technology and Medical Science	Dec-22	http://www.rjetm.in/RJETM/Vol05_Issue04/Multi-level%20inverters%20for%20Renewables%20and%20Industrial%20Drives%20Applications.pdf
85	The AC-DC bridge converter simulated in MATLAB software	Research Journal of Engineering Technology and Medical Science	Dec-22	http://www.rjetm.in/RJETM/Vol05_Issue03/The%20AC-DC%20bridge%20converter%20simulated%20in%20MATLAB%20software.pdf
86	A Review on Power System Reliability with Advanced Power Quality Techniques	Research Journal of Engineering Technology and Medical Science	Sep-23	
87	Particle Swarm Optimization based multi objective approach for installation of dispersed generator	Journal of Integrated Science and Technology	12-April-23	https://pubs.thesciencein.org/journal/index.php/jist/article/view/a519
88	Soft Computing based optimization employed for efficient Renewable Energy resource deployment	Journal of Integrated Science and Technology	28-Jul-2023	https://pubs.thesciencein.org/journal/index.php/jist/article/view/a579

89	Distributed generation optimization with HOMER software and fuzzy logic control	Journal of Integrated Science and Technology	28-Sep-2023	https://pubs.thesciencein.org/journal/index.php/jist/article/view/a729
90	A multi indexed performance assessment function to facilitate efficient installation of Renewable Energy resource	Journal of Integrated Science and Technology	24-Oct-2023	https://pubs.thesciencein.org/journal/index.php/jist/article/view/a744
91	A Survey on the Impact of solar controllers on power system	SHODH SANGAM { A RKDF University Journal of Science and Engineering	Oct-2023	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/Anrudha%20Paper_5630.pdf
92	Efficiency Performance of Two MPPT Processes for PV System with Difference ; solar Panels Irradiances	Research Journal of Engineering Technology and Medical Science	June-2023	
93	Efficient Implementaion of Improvement in Power Metrics Using Unified Conditioner Power Quality	SHODH SANGAM { A RKDF University Journal of Science and Engineering	June-2023	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/Research%20Paper_5618.pdf
94	Power System Sustainability Enhancement Through Capacitor Placement	Process Integration and Optimization for Sustainability	12-Jan-2024	https://link.springer.com/article/10.1007/s41660-023-00389-w
95	AC-DC bidirectional microgrid system for PV system application	Research Journal of Engineering Technology and Medical Science	March-2024	http://www.rjetm.in/RJETM/Vol07_Issue01/AC-DC%20Bidirectional%20Microgrid%20System%20for%20PV%20System%20Application.pdf
96	PV-fuel cell system hybrid combination with super capacitor support	Research Journal of Engineering Technology and Medical Science	March-2024	http://www.rjetm.in/RJETM/Vol07_Issue01/PV-Fuel%20Cell%20System%20Hybrid%20Combination%20with%20Super%20Capacitor%20Support.pdf
97	Optimizing The Accuracy Of 1P-3P Fault Identification Systems Using DT-ML Algorithms	Research Journal of Engineering Technology and Medical Science	March-2024	
98	Analysis of PV-Fuel Cell System with Super Capacitor Support	SHODH SANGAM { A RKDF University Journal of Science and Engineering	Feb-2024	http://shodhsangam.rkdfuniv.in/Content/Documents/papers/Aymeen_5654.pdf
99	DT-ML Algorithm Based Optimization of	SHODH SANGAM { A RKDF University	April-2024	

	1P-3P Fault Identification System Accuracy	Journal of Science and Engineering		
100	Significance of Five Level B inverter for improving power quality of Microgrid	Research Journal of Engineering Technology and Medical Science	June-2024	http://www.rjetm.in/RJETM/Vol07_Issue02/Significance%20of%20Five%20Level%20B%20inverter%20for%20improving%20power%20quality%20of%20Microgrid.pdf

Annexure-II**Ph.D. Project supervised**

S.NO.	Name of Student	Topic	Status at present
1	Mr. Abhimanyu Kumar	Hybrid Microgrid Power Generation System By Switching Capacitor Based Multi-Level Inverter	Awarded
2	Ms. Varsha mehar	Soft Computing Based Optimization For Efficient Renewable Energy Resources	Thesis Submitted
3	Ms. priyanka maheshwari	Impact Of Distributed Generator Unit On Power System Using Hybrid Optimazation Method	Thesis Submitted
4	Mr. Shankar Lanjewar	Simulation Of Existing Shunt Capacitors And Fact Devices To Improve Power Quality And Reliability At Different Load Locations	Submit Thesis for PSDC
5	Ms. Najma Nasreen Ansari	Optimization And Sensitivity Analysis Of Hybrid Renewable Energy System Based On Weecs-Pv Inverter Module Using Particle Swarm Technique	Work in progress
6	Kumari Nidhi	Techno-Economic Diligence Of Hybrid Energy Systems For Optimizing Power Supply In Commercial And Residential Applications	Work in progress
7	Shantanu Virnave	Not Decide	Course work completed

Conference/Seminar paper presentation/ attended

S.no.	Conference/Seminar/workshop organized by	Date of Seminar	Topic of Paper Presented
1	ICEPES-2010 Held at M.A.N.I.T. Bhopal	Aug 26-28,2010	Modeling & simulation of hybrid fuel Cell stack found Ideal For Distributed Power Generation
2	International Conference on Concurrent Techno & research & Your Congress- TTTI, Bhopal	2010	Analysis of ultra-capacitors as a ride through during power disturbances
3	NITTR, Bhopal	Dec 4-5 2010	Review on super capacitor a voltage ride through for renewable sources
4	National Conference held at L.N.C.T., Bhopal	July 24-25,2011	Performance Improvement of WEG by Preventive Maintenance
5	National Conference held at L.N.C.T., Bhopal	July 24-25,2011	Transmission Pricing
6	National Conference held at L.N.C.T., Bhopal	July 24-25,2011	Review on proton exchange membrane fuel cell

7	National Conference held at L.N.C.T., Bhopal	July 24-25,2011	SCADA System For Grid Management
8	National Conference held at J.N.C.T., Bhopal	July 1-2,2011	Loss minimization in distribution Network By DG allocation : A review
9	M.A.N.I.T. Bhopal	Jan 13-15,2014	Attended
10	RKDF University, Bhopal	Feb 8,2014	Attended
11	M.A.N.I.T. Bhopal	July 6-7,2011	Attended
12	RKDF University, Bhopal	March 17,2012	Attended
13	RKDF University, Bhopal	Feb 23,2013	Attended
14	IES Group of Institutions ,Bhopal	Oct 29,2013	Attended
15	RKDF University, Bhopal	Feb 24,2012	Attended
16	RKDF University, Bhopal	Feb 23,2012	Attended
17	M.A.N.I.T. Bhopal	Jan 3-4,2013	Attended
18	M.A.N.I.T. Bhopal	March 24-28,2014	Attended
19	FDP held at U.G.C., Central Regional Office ,Bhopal	August 21-23,2019	Attended
20	International Conference held at RKDF University, Bhopal,	September 28-29,2019	Partial Discharge Inception rating of a three core power cable from considerations of discharges in voids
21	International Conference held at RKDF University, Bhopal,	September 28-29,2019	Fault Location Method Using Fuzzy Logic Membership Function
22	International Conference held at RKDF University, Bhopal,	September 28-29,2019	MATLAB Based Digital Analysis of Partial Discharges in Power System
23	International Conference held at RKDF University, Bhopal,	September 28-29,2019	Partial Discharge detection methods in High Voltage Power Capacitor Equipment
24	International Conference held at RKDF University, Bhopal,	September 28-29,2019	Review of Stability Analysis of DC Microgrid with Energy Storage System
25	International Conference held at RKDF University, Bhopal,	September 28-29,2019	Affordable Renewable Energy for Rural Area
26	International Conference held at RKDF University, Bhopal,	September 28-29,2019	Solar Power and Electricity Grid Integration ,Stability and Control Techniques: A Survey
27	2nd International Conference on Contemporary Technological Solutions Towards Fulfillment of Social Needs	September 28-29,2019	A Review on Cascaded Multilevel Inverter with Different Levels
28	International conference on Innovation in engineering, science and Management(iciesm-2022)	28 Feb- 1 March 2022	Improvement Of Power Quality , Reliability ,& Reduction of Losses By using Shunt Compensation.

29	National Conference on Advances In Computing In Science And Technology (Acst-2022)	March 24-25, 2022	Power Quality Improvement using MLI Topologies: A Review
30	2nd International Conference on 'Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2022)	February 05-06, 2022.	A State of Art Review on Impacts of Distributed Generation on Power System found Ideal for Sustainable Era
31	2nd International Conference on 'Mathematical Modelling and Simulation in Physical Sciences (MMSPS-2022)	February 05-06, 2022.	Optimization Techniques Employed for Efficient Renewable Energy Resource Deployment
32	AICTE sponsored Springer International Conference on "Recent Evolutions in Energy, Drives and e-Vehicles (REEDeV-2022)	September 16-17, 2022	Conjunction in System network and line losses
33	AICTE sponsored Springer International Conference on "Recent Evolutions in Energy, Drives and e-Vehicles (REEDeV-2022)	September 16-17, 2022	Improvement of System Security by adding solar system and placement of Capacitor in the Network System (Hybrid System)
34	International Conference on Innovation In Engineering, Science and Management (ICIESM-2023)	February 21, 2023	Improvement of FACTS large power system and reduce losses
35	International Conference on Green Hydrogen and Clean Energy, 2024" organized by the Institution of Engineers (India), Nagpur local Centre	February 10-11, 2024	Hybrid combination of PV-fuel cell system with super capacitor support
36	International Conference on Green Hydrogen and Clean Energy, 2024" organized by the Institution of Engineers (India), Nagpur local Centre	February 10-11, 2024	Active & Reactive Power of bidirectional AC-DC microgrid system for PV system application