

CV of Pallavi Roy

Name: Pallavi Roy

Designation: Assistant Professor

Address for Communication: (office) Department of Electrical Engineering, GIMT, Guwahati

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Sex: Female

Date of Birth: 20.02.1987

Educational Qualifications:

Sl. No.	Examination Passed	Year of passing	Board / Council / University	Specialization
1	HSLC/10 <sup>th</sup> Std.	2003	SEBA	
2	HSSLC/10+2 Std.	2005	AHSEC	
3	Degree (Please Specify)	2010	DIBRUGARH UNIVERSITY	ELECTRICAL ENGINEERING
4	Master's Degree (Please Specify)	2014	TEZPUR UNIVERSITY	ENERGY TECHNOLOGY
5	Ph. D. (Please Specify)	PURSUING	GAUHATI UNIVERSITY	

Languages known: Bengali, Assamese, Hindi & English

(Read, Write & Speak)

Academic/ Administrative Experience: Worked as a guest lecturer in Jorhat Engineering College for a period of one year. Have been teaching in the Department of Electrical

Engineering GIMT since August 2014 and have been also appointed as the finishing school co-ordinator since June 2015, in charge of various departmental laboratories ,involved in various NBA related activities, Brochure and prospectus committee member for two consecutive years.Have organized various activities under TEQIP III.

List of Publications:

Sl. No.	Title with Page Nos.	Journal /Conference	ISSN/ ISBN No.	Whether peer reviewed, Impact Factor if any	No. of Co-author	Whether you are the main author	Whether listed by UGC, if yes, serial no.
1	. Insulation Resistance Test and Oil Test of Distribution Transformer,4880-4885	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2320 – 3765	5.016	4	YES	
	GSM BASED ENERGY METER READING SYSTEM WITH REMOTE CUT-OFF AND GUI APPLICATION	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2320 – 3765	5.016	4	YES	
3	Prospect and application of biogas technology for rural communities of India,1-5	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2320 – 3765	5.016	0	YES	

4	Study of PLC based Load Shedding Schemes in a Captive Power Plant,1914-1919	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2320 – 3765	7.122	4	YES	
5	A Study of Remote Monitoring of a Transformer using IoT,1908-1913	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2320 – 3765	7.122	4	YES	
6	Wireless Home Automation System based on 8051 Microcontroller using Android Application,948-952	INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS	2320-2882	7.97	0	YES	YES 429023(18)
7	DESIGN AND ANALYSIS OF A STAND-ALONE PV SYSTEM FOR A RURAL AREA USING HOMER PRO SOFTWARE	INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS	2320-2882	7.97	0	YES	YES 429023(18)

**Chapters published in the books**

Sl. No.	Title with Page Nos.	Book Title & Editor publisher (International Publisher/ National Publisher/ Other Local Publisher)	ISSN/ ISBN No.	Whether peer reviewed	No. of Co-author	Whether you are the main author	API Score
1	Assessment of Anaerobic Digestate Generation and its proper Utilization for Enhancing the economy of Biogas Technology,88-91	Aspects of Mechanical Engineering & Technology for Industry, Volume II, Dr. P. Lingfa & Dr S.S. Gautam, Excel India Publisher, 2014	9789383842964		2	yes	
2	By-Products of Bioenergy Systems (Anaerobic Digestion and Gasification): Generation and Prospects of Utilization,261–270	Utilization and Management of Bioresource, Dr. Sadhan Kumar Ghosh, Springer, Singapore, 2017	978-981-10-5348-1		8	no	

**i) Presentation of Papers at International/National level Conferences.:**

SI No.	Title of Invited Lecture/ Paper presented	Title of Conference/ Seminar etc. with date	Organised by	Whether International / National/State/University level
1.	Modeling and Design of a Thermoelectric Generator for Waste Heat Recovery,854 - 857	2021 International Conference on Computational Performance Evaluation (ComPE), Dr. Sudip Paul & Dr. Jitendra Kumar Verma, IEEE, 2021	Department of Biomedical Engineering, NEHU, Shillong	International

2.	Assessment of Anaerobic Digestate Generation and its proper Utilization for Enhancing the economy of Biogas Technology	Aspects of Mechanical Engineering & Technology for Industry	Department of Mechanical Engineering,NERIST,Itanagar	International
3.	Management of Anaerobic Digested Slurry For Enhancing Profitability of Biogas Technology:An analysis	International Conference on green Energy & smart Materials Through Science, Technology and Management	Gauhati University,Assam,India,University of South Africa,Florida,South africa & SECONE	International

Membership of Professional bodies: Lifetime member of ISTE and ISRD

Award, Fellowship & Recognition: DTE scholarship,ONGC scholarship for being Gold medalist in M.Tech



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(Name)

Date: 5/1/23