Katam Nishanth (Curriculum Vitae)

GENERAL INFORMATION

1.	Name (in block letters)	:	KATAM NISHANTH 
2.	Gender: Male		Date of Birth: 14/08/1991
3.	Place of Birth (with Dist. & state)	:	Place: Warangal Dist: Warangal State: Telangana
4.	Father's Name (in Block Letters)	:	KATAM CHANDRA SEKHAR
5.	Mother's Name (in Block Letters)	:	PILLE KAMAKSHI
6.	Marital Status	:	UNMARRIED
7.	Nationality	:	INDIAN
8.	Category (SC/ST/OBC/General)	:	GENERAL
9.	Contact: Mobile	:	9441843624
10.	Contact: E-Mail	:	nishanthkatam@gmail.com
11.	Postal address for correspondence		Katam Nishanth HNO 1-1-647, Flat 302, Sai amu residency, Kazipet, Warangal, Telangana, 506004. India

Academic Qualifications

S.No	Qualification	Details	Board/ University	Month, Year of Passing	% of marks/ CGPA	Class
1	SSC (X standard)	St. Gabriel's High School	Andhra Pradesh SSC Board	March 2007	91.67%	First Division
2	Intermediate (Plus 2)	Narayana Junior College	Andhra Pradesh Intermediate Board	March 2009	92.8%	A Grade
3	UG	B.Tech.-Electrical Engineering	IIT Roorkee	September 2013	6.71/10	First Division
4	PG	M.Tech.-Electrical Engineering	IISc, Bangalore	September 2019	8.9/10	Distinction
5	Ph.D.	Ph.D. in Electrical Engineering (High Voltage Applications)	IISc, Bangalore	January 2022	9.3/10	-

Details of Research Work

S.No	Degree	Thesis Title	Month, Year of award	University
1	Ph.D.	Plasma catalysis of diesel exhaust using industrial wastes: a study on NOX and THC removal	Completed on January 4th 2022	IISc, Bangalore

Published Papers in Refereed Journals

S. No	Academic year	Title of paper	Name of the Journal	Indexed in	Impact factor/ Cite Score	No. Of Co-authors	Whether main author
1	2021	Plasma Catalysis of Diesel Exhaust for NOX Abatement: A Feasibility Study With Red Mud Industrial Waste	IEEE Transactions on Plasma Science	SCI	1.22	1	Main Author
2	2021	Red Mud Packed Surface Discharge Reactor for NOX/THC Removal: Exploring Plasma Catalysis of Diesel Exhaust	Plasma Chemistry and Plasma Processing	SCI	3.148	1	Main Author
3	2021	Plasma catalysis of diesel exhaust for NOX removal: a case study with industrial wastes	International Journal of Environmental Studies	Scopus	1.9	1	Main Author

Published Papers in conference proceedings having ISBN/ ISSN numbers

S. No	Academic year	Title of paper	Details of conference	ISSN/ ISBN No.	No. of Co-authors	Whether main author
1	2020	Estimation of Ozone Generation in Dielectric Barrier Discharge Plasma using Response Surface Methodology and Fuzzy Logic, pp. 1-5	2020 IEEE International Conference on Power Systems Technology (POWERCON), Virtual Conference.	Electronic ISSN: 2642-6226	2	Main Author
2	2021	Dielectric barrier discharge based diesel exhaust treatment for THC removal through plasma catalysis, pp. 462-465	2021 IEEE International Conference on the Properties and Applications of Dielectric Materials (ICPADM), Virtual Conference	Electronic ISSN: 2160-9241	1	Main Author

Training Courses, Faculty development Programmes, Orientation courses, Workshop etc.,

S.No	Academic year	Programme	sponsored by AICTE/DST/UGC/ State Govt/ others *(mention)*	Duration & Dates	Organised by
1.	2019	Programming, Data Structures and Algorithms Using Python	Ministry of HRD, Govt. of India	Jan-Mar 2019 (8-week course)	NPTEL
2.	2019	Electrical Distribution System Analysis	Ministry of HRD, Govt. of India	Jul-Sep 2019 (8-week course)	NPTEL

Work Experience

S.No	Details of Work Experience	Duration
1.	Worked as Graduate Engineer Trainee and Assistant Manager in Jindal Steel and Power Ltd. in Plant Operations and Maintenance, Steel Melting Shop Division.	02.07.2013 to 01.01.2016
2.	Currently working as Junior Research Fellow at High Voltage Laboratory, IIT Madras.	07.03.2022 to present

Other relevant information

1. Secured All India Rank 85 (General) in Graduate Aptitude Test in Engineering-2017.
2. Received Executive of the Month Award (April 2015) while working in Steel Melting Shop Division at JSPL.
3. Topper (Top 5%) in NPTEL course on Programming, Data Structures and Algorithms Using Python.
4. Topper (Top 1%) in NPTEL course on Electrical Distribution System Analysis.