Profile Page

Name	:	Dr Harimurugan
Designation	:	Assistant Professor (Grade-I)
Department	:	Electrical Engineering
Qualification	:	Ph.D Electrical Engineering (National Institute of Technology Karnataka) M.Tech Power and Energy Systems (National Institute of Technology Karnataka) B.E Electrical and Electronics Engineering (Anna University)
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Research Interests :

High Voltage Engineering and field computations (Machine learning and AI systems)

Other Profile Links :

Google Scholar Link :

Harimurugan Devarajan Click Here

Personal Web Link :

Vidwan Profile Click Here
Researchgate Click Here
scopous Click Here
LinkedIn Click Here
Aim2crack (Free Quizzing Platform) Click Here

Journal Publications :

Year	Journal	Publication
2023	Electric Power System and Research	Harimurugan Devarajan, G S Punekar, "GA-CSM based optimized clearances for the reduction of occupational exposure in EHV substation"
2018	IEEE Transaction on Power Delivery	Harimurugan D and Gururaj S Punekar, “Electric field reduction in an EHV substation for occu- pational exposure via transposition of conductors”

2018	IET Generation, Transmission and Distribution	Harimurugan D, Gururaj S Punekar, and Srikanth Bhatt, “Electric field computation in 765 kV substation using charge simulation method with reference to occupational exposure”
2018	IET Science, Measurement and Technology	Harimurugan D, Gururaj S Punekar, and NK Kishore,“Design of an HV capacitor using the inherent advantage of charge simulation method and experimentations"

Conference Publications :

Year	Conference	Publication
2021	12th IEEE International Conference on Computing Communication and Networking Technologies (ICCCNT)	Indrajbir Singh; Vaibhav Singhal; Dixant Singhal; Harimurugan Devarajan, Ravi verma, Sofana Rekha, "A System for Conversion of Hand-drawn Electrical circuit to Digital circuit: A Deep learning approach"
2019	IEEE Discover	Harimurugan D, Gururaj S Punekar, and N K Kishore, “Spatiotemporal electric field distribu- tion in an EHV substation in view of occupational exposure”
2019	20 th National Power System Conference (NPSC-2018)	Harimurugan D, Gururaj S Punekar, and N K Kishore, “Electric stress on the surface of the conductor in an extra High voltage substation”
2018	2018 Joint Electrostatic conference	Harimurugan D, Gururaj S Punekar, and N K Kishore, “Electric field and exposure time in a EHV substation near a bay-equipment: concerning ICNIRP guidelines”
2018	2018 Joint Electrostatic conference	N K Kishore, Harimurugan D, and Gururaj S Punekar, “Arrangement of conductors in 220 kV double circuit line to reduce E-fields in view of public exposure”
2018	4 th National Conference on Power System Engineering	Harimurugan D and Gururaj S Punekar,“Computed magnetic fields in an EHV substation located in Central India”
2018	4 th IEEE Conference on Power Signals Control and Computation (EPSCICON 2018)	Harimurugan D and Gururaj S Punekar,“A Comparative study of field computation methods: Charge Simulation Method and Method of Moments”
2017	National Conference on High Voltage Engineer- ing & Technology (NCHVET 2017)	Harimurugan D, Gururaj S Punekar, and NK Kishore, “Monte Carlo Methods for Electric Field Computations: A Comparative Study”
2016	International Conference on Recent Trends in Engineering and Material	Harimurugan D and Vignesh R,“Mobile Air Pollutant Monitoring System Based on Internet of Things”
2012	36th National Systems Conference(NSC)	Gururaj S Punekar, Harimurugan D, and Gautham HS,“Finite Element Method Magnetics Based Demonstration of Rotating Field in 4-Pole Induction Motor”

Book/Chapter Publications :

Type	Title	Publisher	Authors	ISBN/ISSN No.	Year
Chapter	Lecture Notes on Electrical Engineering Series	Springer - LNEE	Gururaj S Punekar, Harimurugan D, and Gautham HS		2013

Events Organized :

Category	Type	Title	Venue	From	To	Designation
STC	National	Operation & Control of Next Generation Restructured Low Carbon Power System	NIT Jalandhar	17-09-2020	21-09-2020	Course Coordinator
STC	National	Machine learning and applied optimization in electrical engineering	NIT Jalandhar	21-12-2021	25-12-2021	Course Coordinator

Professional Affiliations :

Designation	Organization
Senior Member	IEEE
Life Member	ISTE
Life Member	SSI

PhD Supervised :

Scholar Name	Research Topic	Status	Year	Co-Supervisor
Mandal	High Voltage Engineering	Ongoing	2021	
Arvind Sharma	Condition Monitoring of transformers	Ongoing	2020	

Patents :

Name	Reg./Ref. No.	Date of Award/Filling	Organization	Status
METHOD AND SYSTEM FOR VIRTUALLY MONITORING THE MOOD OF AN INFANT IN AN ANTI-INFECTIOUS CRADLE AND AUTOMATICALLY PERFORMING REMEDIAL ACTIONS	202111011104	16/03/2021	NITJ	Published on 18/11/2022

Award and Honours :

Title	Activity	Given by	Year
POSOCO Power System Award	Doctoral Thesis	Power System Operation Corporation (wholly owned Government of India Enterprise under the Ministry of Power)	2020
Certificate of Recognition	IEEE Transaction Paper	IEEE Madras Chapter	2019
MHRD Scholarship	Doctoral Degree	Government of India	2016
MHRD Scholarship	Master Degree	Government of India	2011
OBC Scholarship	Bachelor degree	Government of Tamilnadu	2006