



B.M.S COLLEGE OF ENGINEERING

(Autonomous college under VTU)
BANGALORE-560019

1. Personal Profile

Name : SHARAD DARSHAN H.C M.Tech., MISTE., MIE.,
Department : Electrical and Electronics Engineering
Designation : ASSISTANT PROFESSOR



Address for communication : ASSISTANT PROFESSOR, Department of
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My areas of interest are high voltage engineering, solid and composite insulation, electromagnetic fields and power system protection.

2. Service Profile

Institution	Designation	From – To	Total Service (Years)
PESCE, MANDYA	LECTURER	25/10/2006 to 18/08/2007	01 yrs
Dr.A.I.T, BENGALURU.	ASSISTANT PROFESSOR	20/08/2007 to 09/07/2014	07 yrs
BMSECE BENGALURU	ASSISTANT PROFESSOR	10/07/2014 to 01/03/2025	10.7 yrs
BMSCE BENGALURU	ASSISTANT PROFESSOR	01/03/2025	TILL DATE

3. Academic Qualifications

Degree	University / Institution	Class	Year of award
Ph.D (High Voltage Engineering)	Visvesvaraya Technological University, Dr.Ambedkar Institute of Technology, Bengaluru.	PURSUING	
M.Tech (VLSI Design And Embedded Systems)	Visvesvaraya Technological University, VTU Regional Centre.	First class with distinction	2011
B.E (Electrical And Electronics Engineering)	PESCE, Visvesvaraya Technological University	First Class	2006
Professional Memberships	The Institution of Engineers (INDIA)	M-1735408	
	The Indian Society for Technical Education	LM 133542	

4. List of outreach activities with other institutions and the capacity

Sl. No.	Institutions	Capacity	Duration
1	West Hill Polytechnic, Hassan	Technical Consultant	1 Month
2	Election Commission of India	SECTOR OFFICER/MAGISTRATE	6 Months
3	Election Commission of India	FLYING SQUAD OFFICER	1 Month
4	Election Commission of India	MASTER TRAINER FOR ASSEMBLY AND PARLIAMENTARY ELECTIONS	3 Months

5. Academic Responsibilities

Sl No	Name of the Institution (BMSECE and Others)	Designation	Responsibility
1	BMSECE	BOE MEMBER	Member for Question paper scrutiny - BMSECE
2	BMSECE	Co-Ordinator	Incharge of Academic activities in EEE Department.
3	BMSECE	Co-Ordinator	QPDS Co-Ordinator for VTU Exams
4	BMSECE	Assistant Professor	Lecturing theory and practical classes, project work, seminars etc
5	VTU, Belagavi	Question paper setter	Setting up of UG & PG course question papers for the VTU examinations.
6	BMSECE	Co-Ordinator	BMSECE Website Development.
7	Dr.AIT	Assistant Professor	Lecturing theory and practical classes, project work, seminars etc
8	Dr.AIT	Co-ordinator	Conducting and organizing various technical events in under Power Club.
9	Dr.AIT	Squad Member	To vigil the Examination process for Semester End examinations under Autonomous Scheme.
10	Dr.AIT	Question paper setter	Question paper setting for UG & PG Course (Autonomous)
11	Dr.AIT	BOS co-opted member	Syllabii framing for UG and PG programs
12	Dr.AIT	Assistant Professor	ISO Preparations
13	Dr.AIT	Assistant Professor	NBA Preparations
14	Dr.AIT	Assistant Professor	AICTE Departmental Coordinator
15	Dr.AIT	Assistant Professor	Coordinating between the Department and the students for the Faculty Evaluation through Students feedbacks.

6. SHORT TERM COURSES/SEMINARS/WORKSHOPS ATTENDED

1.	Java programming	04.08.2005 TO 25.08.2005	03 WEEKS	ITI LIMITED, BANGALORE
2.	Workshop On Embedded System Design Using Microcontrollers	26-11-2007 TO 01-12-2007	01 WEEK	VTU, BELGAUM
3.	IN-PLANT/Practical Training	16-07-2008 TO 16-08-2008	01 MONTH	ITI LIMITED BANGALORE
4.	STC on "MATLAB"	03-08-2009 TO 07-08-2009	01 WEEK	NITTTR, CHANDIGARH
5.	Introduction to Virtual Instrumentation Tool kits	20-12-2010 TO 23-12-2010	04 DAYS	Dr.AIT, BANGALORE
6.	MISSION 10X - High Impact Teaching Skills	28.03.2011 TO 01.04.2011	01WEEK	DR. AIT, BANGALORE
7.	Web Design	21-07-2011 TO 27-07-2011	01 WEEK	Dr. AIT, BANGALORE
8.	ARM Powered with Perfect RTOS	18.11.2011	01 DAYS	DR.AIT, BANGALORE
9.	Graphical System Design in engineering and Technology using NI's LabVIEW	23-07-2012 TO 27-07-2012	01WEEK	SJBIT, BANGALORE
10.	Exploring Embedded Protection System (PEAK)	14.02.2013 TO 15.02.2013	02 DAYS	JVS ELECTRONICS.
11.	CO-ORDINATED, Insulation and High Voltage Engineering	11.06.2013 TO 15.06.2013	01 WEEK	DR.AIT, BANGALORE TEQIP, SPFU
12.	Advances in Renewable and Power Engineering – Impulse towards Green Environment	25.07.2013 TO 27.07.2013	02 DAYS	SJBIT, BANGALORE
13.	Design and Modeling of drives of electrical machines	26.09.2013 TO 01.10.2013	01 WEEK	DR.AIT, TEQIP
14.	Selection, commissioning, testing, maintenance and protection of low, medium and high voltage switchgear	12.12.2013 to 13.12.2013	02 DAYS	CETPE, HOTEL ATRIA, BANGALORE
15.	Research Methodologies and Latex	23.01.2014 TO 24.01.2014	02 DAYS	DR.AIT, BANGALORE
16.	3 RD National Symposium on Rotor Dynamics (NSRD- 2014)	12.02.2014 TO 14.02.2014	03 DAYS	Dr.AIT, BANGALORE
17.	Research Thrust in Renewable Energy 2016	27.01.2016 TO 29.01.2016	03 DAYS	GSSSIETW, MYSORE
18.	Outcome Based Education: Teaching, Learning and Evaluation.	15.02.2016 TO 16.02.2016	02 DAYS	BMSECE, BANGALORE

19.	International Conference on Liberal Education and the Future of the University	10.06.2016 TO 11.06.2016	02 DAYS	BMSCE, BANGALORE
20.	Advances in Power Electronics and Drives	25.07.2016 TO 29.07.2016	1 WEEK	BMSCE, BANGALORE
21.	Design and Development of Embedded Systems for Industrial Applications	22.08.2016 TO 03.09.2016	2 WEEKS	DR.AIT, BANGALORE
22.	3M – Modeling, Materials and Manufacturing	13.12.2016 TO 23.12.2016	2 WEEKS	BMSCE, BANGALORE
23.	Graph Theory – Algorithms and Applications	26.12.2016 TO 07.01.2017	2 WEEKS	BMSCE, BANGALORE
24.	Electric Power System – ISTE STTP	(12.06.2017 TO 15.07.2017) (10.07.2017 TO 15.07.2017)	2 WEEKS	IIT KHARAGPUR – National Mission on Education - ICT (MHRD)
25.	Lightning: Phenomena, Hazards & Protection safety of LV Electrical Systems	24.07.2017 TO 29.07.2017	1 WEEK	MSRIT & CAPE ELECTRIC, BANGALORE
26.	Cares Solar Photovoltaic Practitioner Training Program	12.03.2018 TO 16.03.2018	1 WEEK	BMS-CARES CENTRE OF EXCELLENCE, BANGALORE
27.	Smart Grid and Internet of Things	18.06.2018 TO 22.06.2018	1 WEEK	NIE, MYSORE
28.	Recent developments in solar and wind energy system for On/Off grid applications	09.07.2018 TO 13.07.2018	1 WEEK	TEQIP III - MCE, HASSAN
29.	Energy Management, Climate Protection and Resource Conservation	16.07.2018 TO 20.07.2018	1 WEEK	NITTTR, CHANDIGARH
30.	Tools for scientific research in engineering and science	12.11.2018 TO 16.11.2018	1 WEEK	NITTTR, CHANDIGARH
31.	Life Skills Training Workshop	19.01.2020 TO 25.02.2020	1 WEEK	NIMHANS – BANGALORE
32.	Learn to Design your own Solar Home System	05.10.2020	1 DAY	Energy Swaraj Foundation
33.	Technical Writing: Tips, Tricks and Tools	10.10.2020	1 DAY	IIC, JIS university
34.	Challenges and Opportunities in Higher Education beyond COVID-19	27.06.2021	1 DAY	International Webinar Series-II Dr.AIT, BANGALORE
35.	Electric Power – A Glance	29.06.2021	1 DAY	Dr.AIT BANGALORE
36.	Basics of Electric Vehicles	10.09.2021 TO 14.09.2021	1 WEEK	AICTE-ATAL
37.	Design Thinking	07.03.2022 TO 12.03.2022	1 WEEK	AICTE-ISTE, VVCE MYSURU.

38.	Outcome Based Education	16.08.2022 TO 20.08.2022	1 WEEK	ISTE BMSECE, BANGALORE
39.	Emerging Technologies in Sustainable Energy System	29.01.2024 TO 03.02.2024	1 WEEK	ATAL, AICTE, BMSCE. BANGALORE
40.	Setting Up a Business Start up in Information Technology and Electronics Engineering	09.10.2023 TO 13.10.2023	1 WEEK	NITTTR-CHD, SUNDERNAGAR, HIMACHAL PRADESH.
41.	Industrial Training on PLC and IOT	05.06.2024 TO 26.06.2024	15 DAYS	GTTC, BANGALORE
42.	FDP on Advanced Pedagogy	01.07.2024 TO 05.07.2024	1 WEEK	SJ GOVT. POLYTECHNIC, BANGALORE
43.	"Hands-on Training on Smart Building Automation Solutions (with KNX-enabled Schneider Devices),"	10.02.2025 TO 14.02.2025	1 WEEK	RIT, SCHNEIDER ELECTRIC PVT. LTD.
44.	Energy Management System in Sustainable Resources	17.03.2025 TO 22.03.2025	1 WEEK	BIT, BANGALORE

7. Administrative Responsibilities

Sl No	Name of the Institution	Designation	Responsibility
1	BMSECE	Coordinator	Cultural and Sports Coordination of College Fest PARVA and Farewell.
2	BMSECE	Coordinator	Valuation Coordinator for UG SEE exams.
3	BMSECE	HOD EEE	13.03.2019 TO 23.04.2019
4	BMSECE	NSS and NCC OFFICER	Organizing NSS and NCC activities of BMSECE
5	BMSECE	Departmental Co-ordinator	Incharge of academic and administrative activities in EEE Department
6	BMSECE	Library Co-Ordinator	Incharge of Evening College library, procurement of books, auditing and e-library.
7	BMSECE	Member	Core-Committee Member – Treasurer PARVA-2016
8	Dr.AIT	Assistant Professor	Over all supervision of computer lab.
9	Dr.AIT	EMS Co-Ordinator	VTU Online Communications Regarding theory Exams and Revaluations
10	Dr.AIT	Assistant Professor	Conduction of Lectures and seminars
11	Dr.AIT	Assistant Professor	Arrangements of visits for Projects Presentations, Paper Presentation in other institutions, Industrial Visits for Various Companies and Institutions.

12	Dr.AIT	Assistant Professor	Field work in connection regarding Communication between the college and companies for various technical activities and students welfare.
13	Dr. AIT	Co-Ordinator	Inter college Technical Fest "TANTRIX"
14	Dr.AIT	Placement Co-Ordinator	Department Placement Officer
15	Dr.AIT	Nodal Officer	BSNL-AICTE Sponsored EETP Programe.
16	Dr.AIT	Co-Ordinator	Autonomous Examination section. Conduction, Evaluation and Announcement of Results for the Dr.AIT.

8. LIST OF PAPERS PUBLISHED

1. Prakasha S, Sharad Darshan H.C, Leelavathi G and Abhijith D.A. Implementation of VLSI Architecture for Advanced Encryption Algorithm". National Conference on "Emerging Trends in Electronics, Communication and Computational Intelligence-EETEC 2013. February 2013.
2. Avinash C.M & Sharad Darshan H.C. "Digital Simulation of Single and Interleaved Soft Switching Boost Converter for Photovoltaic System", 4th National Conference on Advanced Techniques in Electrical and Electronics Engineering-NCATEE-13 SJBIT, Bangalore 4th May 2013.
3. Avinash C.M & Sharad Darshan H.C. "Very High Frequency Resonant Converters for LED Lighting", International Conference on Electrical, Electronics and Computer Science (ICEECS-2014), Nagpur, 20th April-2014.
4. Avinash C.M & Sharad Darshan H.C. "Matlab Simulation of Very High Frequency Resonant Converters for LED Lighting", Internal Journal of Engineering Sciences and Research Technology – IJESRT, 30th May 2014.
5. Rahul & Sharad Darshan H.C. "A Bridgeless Boost Rectifier for Energy Harvesting Applications" 3rd International Conference on Engineering and Technology – ICET, Bangalore, 11th May 2014.
6. Rahul & Sharad Darshan H.C. "A Bridgeless Boost Rectifier for Energy Harvesting Applications" Internal Journal of Engineering Sciences and Research Technology – IJESRT, 30th June 2014.
7. Avinash C.M & Sharad Darshan H.C "Very High Frequency Resonant SEPIC Converter". National Conference on Wireless Control and Communication Technologies, NCWCT, Dr.AIT, Bangalore, 24-25th April 2014.
8. Rahul & Sharad Darshan H.C "A Bridgeless Boost Rectifier for Low-Voltage Energy Harvesting Applications". National conference on Wireless Control and Communication Technologies (NCWCT, Dr.AIT, Bangalore, 24-24th April 2014).
9. Srikant Kalekar, Santhosha Kumar A, Prabhu V Udbal Sharad Darshan "Reactive Power Planning on Transmission Line using Hybrid GWO-SCA Algorithm" International Journal of Novel Research and Development (IJNRD) Volume 8 issue 1 ISSN-2556-4184 06 Pages, Jan 2023, www.ijnrd.org/ijnrd2301344
10. Mukundaswamy M S, Dr. Shakunthala C, Sharad Darshan H C, Rajesh L V, Dr.C.Rajinikanth "IoT Enabled Solar Energy Management System: Design and

Performance Analysis” International Conference on Recent Trends in Science and Technology ICRTST-2023, ATME College of Engineering, Mysuru, 18-19th October 2023.

11. Geeta, Sharad Darshan H.C “Prediction in VLSI Low Power CMOS Circuit” Journal of Systems Engineering and Electronics, Volume 34 Issue 07 ISSN:1671-1793, 07 Pages, 2024
12. Srikant Kalekar, Prabhu & Sharad Darshan H C “Hybrid Techniques for Optima Reactive Power Dispatch: A Compressive Review” Internal Journal of Novel, Research and Development (IJNRD), Volume 10, Issue 1 ISSN: 2456:4184 07 Pages, January 2025. www.ijnrd.org/ijnrd2501243.
13. Srikant Kalekar, Prabhu & Sharad Darshan H C “Reactive Power Management using HGWO Under Diverse Load Scenarios” Internal Journal of Novel, Research and Development (IJNRD), Volume 10, Issue 1 ISSN: 2456:4184 08 Pages, January 2025. www.ijnrd.org/ijnrd2501240.
14. Rajesh L V, Govindaraju H V, Shakunthala C, Sharad Darshan H C and Prabhu "Enhancing Micro grid Stability via Hysteresis Current Control of 3-Phase PV Systems" Grenze International Journal of Engineering and Technology, June Issue

9. PROJECTS GUIDED

28 batches for UG and 04 students at PG

10. PATENTS AND RECOGNITIONS

- A. TITLE OF THE INVENTION: METHOD AND PROCESS TO IMPROVED QUALITY SIGN WAVE SIGNAL AND CONTROLLED ALGORITHM.
APPLICATION NO.202241013876 A
THE PATENT OFFICE JOURNAL NO. 12/2022 PUBLICATION DATE 25.03.2022
- B. TITLE OF THE INVENTION: AIR POLLUTION MONITORING AND NOTIFICATION ALGORITHM USING IoT-BASED.
APPLICATION NO.202241013877 A
THE PATENT OFFICE JOURNAL NO. 12/2022 PUBLICATION DATE 25.03.2022
- C. TITLE OF THE INVENTION: INTEGRATE IoT AND BIG DATA TO BUILD A FOOD SAFETY TRACKING SYSTEM THAT PROTECTS CONSUMER'S HEALTH USING ARTIFICIAL INTELLIGENCE SYSTEM.
APPLICATION NO.202241058643 A
The PATENT OFFICE JOURNAL NO. 42/2022 PUBLICATION DATE : 21/10/2022



Signature