Malnad College of Engineering, Hassan

(An Autonomous Institute, Affiliated to V.T.U, Belagavi)

Faculty Biodata

GENERAL INFORMATION AND ACADEMIC BACKGROUND

PART-A

1.	Name (in Block Letters)	**KRUTHI S P**
2.	Qualification	**BE, MTech, PhD Ongoing**
3.	Date of joining the service at MCE	**14-06-2021**
4.	Department	**Electrical & Electronics Engineering**
5.	Current Designation & Experience in MCE	**Assistant Professor** **Experience: 5.4**
6.	**Teaching Experience:** P.G. (in Years) : U.G. (in Years) :	**PG- 1 year** **UG- 5.4 year**
Research Experience (in Years)		
7.	**a) Total Number of years** **b) Years spent in M. Phil. / Ph.D.** **c) Years of Guiding Ph.D. / M. Phil.** **d) Total No. of papers Published in** i. International Journals ii. National Journals iii. Conference Proceedings **e) Total No. of Conferences/ Seminar/ Workshop Attended** i. International ii. National iii. State Level	**a) 3 years** **b) 3 years** **c) NIL** **d) 2** i) 2 **e) 3** iii) 3
8.	**Awards /Prizes/ Honor's / Recognitions**	**NIL**
9.	**Fields of Specialization under the Subject / Discipline**	**High voltage, Switchgear, Power Electronics, Solar Photovoltaics, Renewable Energy sources**
10.	**Orientation/Refresher Course/Summer School / Winter School/Workshops attended:**	**13**

PART-B

1. **List of Publications:**

Sl. No.	Title	Name of the Journal, Vol. No., Year	ISSN/ISBN/Number
1.	Emerging Eco-Friendly Alternatives to SF_6 for High Voltage Insulation: A Review	IJRIAS	ISSN No. 2454-6194
2.	Hardware Implementation and Performance Analysis of a Multi-Input Multi-Output (MIMO) Power Converter	IJIRT	ISSN: 2349-6002
3.	BRAIN AND VOICE CONTROLLED WHEELCHAIR	IJIEEE	ISSN: 2347-6982

2. **Responsibilities in the Department and Institute / University: (**DAC,DPC, BOS, BOE etc., Institutional Governance responsibilities like, Dean, Chief warden, Warden, HOD's, School/Centre Chairperson, IQAC Coordinator etc.)

Sl. No	Responsibilities
1.	BOS
2.	BOE
3.	CDC
4.	WOMENS EMPOWERMENT CELL MEMBER
5.	NBA CRITERIA 9 (COLLEGE LEVEL) NBA CRITERIA 4 (DEPARTMENT LEVEL)
6.	NAAC 5TH CRITERIA (COLLEGE LEVEL)
7.	ACADEMIC Faculty Member
8.	Magazine Co-ordinator
9.	Newsletter Co-ordinator

3. **Details of Teaching Related Activities**

Sl. No.	Academic Year	(B. E/ M.Tech)	Course Title
1.	**2025-26 (EVEN)**	**6th B.E**	**Flexible AC Transmission System**
		2nd B.E	**Introduction to Electrical Engineering**
		4th B.E	**Microcontroller**
		2nd B.E	**Interdisciplinary Project (4 batches)**
2.	**2025-26 (ODD)**	**7th B.E**	**Solar Photovoltaics System**
		5th B.E	**Industrial Management & Professional Engineering Practices**
		5th B.E	**Power electronics Laboratory (4 batch)**
		5th B.E	**Linear Control System Laboratory (Integrated Laboratory)**

3.	**2024-25 (EVEN)**	**2nd B.E**	**Introduction to Electrical Engineering (2 batch)**
		4th B.E	**Power Electronics**
		4th B.E	**Synchronous and Special Electrical Machines (Integrated Laboratory) (4 batch)**
4.	**2024-25 (ODD)**	**5th B.E**	**Industrial Management and Professional Engineering Practice (2 batch)**
		3rd B.E	**Social Connect and Responsibility**
		7th B.E	**Computer Methods in Power Systems**
		1st M.Tech	**Renewable Energy Laboratory**
5.	**2023-24 (EVEN)**	**2nd B.E**	**INTRODUCTION TO ELECTRICAL ENGINEERING**
		6th B.E	**Renewable Energy Sources**
		6th B.E	**High Voltage Engineering and Switchgear**
		6th B.E	**Relay and High Voltage Laboratory**
		8th B.E	**Solar Power Conversion Systems**
		2nd M.Tech	**Power System Simulation Laboratory**
6.	**2023-24 (ODD)**	**7th B.E**	**Industrial Management and Professional Engineering Practice (2 section)**
		7th B.E	**Power System Simulation laboratory (4 batch**
		3rd B.E	**Social Connect and Responsibility (3 section)**
7.	**2022-23 (EVEN)**	**6th B.E**	**Power Electronics Laboratory (6 batches)**
		6th B.E	**Renewable Energy Sources**
8.	**2022-23 (ODD)**	**3rd B.E**	**Transformers and Induction Machines Laboratory (3 batches)**
		7th B.E	**Industrial Management and Professional Engineering Practice (2 batch)**
		7th B.E	**Power System Simulation lab (4 batches)**
9.	**2021-22 (EVEN)**	**2nd B.E**	**Basic Electrical Engineering (2 sections)**
		6th B.E	**Power Electronics Laboratory (5 batches)**
10.	**2021-22 (ODD)**	**7th B.E**	**Industrial Management and Professional Engineering Practice**
		7th B.E	**Power System Simulation laboratory (3 batches)**
		1st B.E	**Basic Electrical Engineering (2 sections)**

Professional Development Activities		
	Membership in profession related committees at state and national level a) At International b) At national level: c) At state:	IAENG IEEE
	Participation in subject associations, conferences, seminars without paper presentation	Role of session coordinator in 2025 International Conference on Computing Technologies & Data Communication

PART-C

RESEARCH, PUBLICATIONS AND ACADEMIC CONTRIBUTIONS

1. Published Papers in Journals

Sl. No.	Title	Journal with Vol. Year & Page No.	ISSN / ISBN No.	Whether peer reviewed. Impact factor, if any	No. of Co-authors	Whether you are the main author or Guide / mentor
1	Emerging Eco-Friendly Alternatives to SF_6 for High Voltage Insulation: A Review	IJRIAS	ISSN No. 2454-6194	Peer reviewed	3	Main author
2.	Hardware Implementation and Performance Analysis of a Multi-Input Multi-Output (MIMO) Power Converter	IJIRT	ISSN: 2349-6002	Peer reviewed	5	Guide
3.	BRAIN AND VOICE CONTROLLED WHEELCHAIR	IJIEEE	ISSN: 2347-6982	Peer reviewed	4	Guide

2. Training Courses, Teaching-Learning-Evaluation Technology Programs, Faculty development Programmes Attended:

Sl. No.	Name of Course/Summer/Winter School	Duration	Organized By
1.	FDP on "Research perspectives: RENEWABLE ENERGY IN ELECTRIC VEHICAL CHARGING"	22/11/2021 to 26/11/2021	ATAL
2.	FDP on "INCLUDING UNIVERSAL HUMAN VALUES IN TECHNICAL EDUCATION"	20/12/2021 to 24/12/2021	ATAL
3.	FDP on "Research perspectives: RENEWABLE ENERGY- A FUTURE ALTERNATIVE"	17/01/2022 to 21/01/2022.	ATAL
4.	VGCT sponsored 4 days OFFLINE FDP on "APPLICATION OF POWER ELECTRONICS IN SMART GRID, RENEWABLE ENERGY RESOURCE AND INDUSTRIAL DRIVES"	12/9/2022 to 15/9/2022.	PES Institute of Technology
5.	5 Days Offline FDP on "OUTCOME BASED EDUCATION"	19/09/2022 to 23/09/2022	Malnad College of Engineering
6.	FDP on "Innovation and Design Thinking using AICTE IDEA LAB facility"	15/01/2024 to 20/01/2024	Malnad College of Engineering
7.	FDP on "Revolutionizing Electric and Hybrid Vehicles to The Game-Changing Role of AI in Enhancing Efficiency, Safety and Sustainability"	05/12/2024 to 11/12/2024	PPG Institute of Technology
8.	FDP on "Renewable Horizons: Driving Sustainability & Climate Action Forward"	12/01/2026 to 17/01/2026	BANSAL INSTITUTE OF ENGINEERING AND TECNOLOGY
9.	FDP on "AI & IoT Integration in Smart Renewable Energy Networks"	19/01/2026 to 24/01/2026	R P SARATHY INSTITUTE OF TECHNOLOGY
10.	2 weeks Online FDP Autocad (EEE) SkillDzire in collaboration with AICTE	09/03/2026 to 21/03/2026	Online
11.	National Institutes of Technical Teachers' Training **(NITTT)** certified by AICTE completed 8 modules of **Phase I**.	**Each module for 3 months**	NITTT