



**Sahrdaya College of Engineering &  
Technology (Autonomous)**  
College Road, PB NO 17, Kodakara, Kerala  
680684



Phone: 04802726630, info@sahrdaya.ac.in

**DRISYA K SASI**

**General Details**

Name	DRISYA K SASI	Gender	Female
AICTE ID		Staff Id	FEE1901
Joining Date	01/07/2019	Date of Birth	27/12/1993
Blood Group	B+	Department	Electrical & Electronics Engineering
Category	1	Designation	Assistant Professor
Institution Last Worked	NA	Contract Type	Permanent
Ktu Id	KTU-F33707	PEN No	

**Personal Details**

Father Name	-SASI K K	Marital Status	Married
Mother Name	SHEELA M V	Spouse Name	KEVIN WILLIAM
Nationality	Indian		

**Contact Details**

Phone	8281968939	Email	drisyaksasi@sahrdaya.ac.in
Phone (Res)		Phone (Office)	
		Office Address	
Present Address	KOOLYATH HOUSE ANATHADAM ALLOOR P O Kerala Thrissur 680683	Permanent Address	KOOLYATH HOUSE ANATHADAM ALLOOR P O Kerala Thrissur 680683

Qualifications						
S.No	Degree	Discipline / Stream	University / Institution	Percentage / CGPA	Year of Passing	Special Remarks
1	B.Tech	Electrical & Electronics Engineering	Calicut	8.53	2015	
2	M.Tech.(Engg/ Sciences)	Power Electronics	APJA KTU	9.18	2017	
3	Ph.D.	Power Electronics	APJA KTU	0.00		Pursuing

Experiences							
S.No	Title	Name of Organization/Institution	From Date	To Date	Designation	Nature of Employment	Nature of Duty
1	Teaching	Sahrdaya College of Engineering and Technology, Kodakara	2017-08-03	2018-12-22	Assistant Professor	Regular	

Subjects Engaged / Engaging					
S.No	Academic Year	Batch	Semester	Subject	Pass %
1	2024-2025	EEE 2K21	VIIth Semester	PT - Placement Training	-
2	2024-2025	EEE 2K21	VIIth Semester	EED415 - PROJECT PHASE I	-
3	2024-2025	EEE 2K21	VIIth Semester	MCN401 - INDUSTRIAL SAFETY ENGINEERING	-
4	2024-2025	EEE 2K22	Vth Semester	EET305 - SIGNALS AND SYSTEMS	59
5	2024-2025	EEE 2K23	IVth Semester	EET206 - DIGITAL ELECTRONICS	-
6	2024-2025	EEE 2K22	VIth Semester	EET306 - POWER ELECTRONICS	-
7	2024-2025	EEE 2K21	VIIIth Semester	EED416 - Project Phase II	-
8	2023-2024	EEE 2K21	VIth Semester	PT - Placement Training	-
9	2023-2024	EEE 2K21	VIth Semester	SGA - SGA-B.Tech	-
10	2023-2024	EEE 2K21	VIth Semester	EEL334 - POWER ELECTRONICS LAB	72
11	2023-2024	EEE 2K21	VIth Semester	EET308 - COMPREHENSIVE COURSE WORK	44
12	2023-2024	EEE 2K22	IVth Semester	EST200 - DESIGN AND ENGINEERING	96
13	2023-2024	CSE A 2K23	IIInd Semester	EST130 - BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING	76
14	2023-2024	EEE 2K20	VIIIth Semester	EET402 - Electrical System Design & Estimation	74

Publications							
S.No	Description	Title of The Paper/Patent	Category	Patent No	Indexing	Academic Year	Period
1	National Conference on Recent Trends in Power System Technologies	A High Efficiency Interleaved Buck Converter Having Improved Step-Down Conversion Ratio with an RC Pre-charging Topology	National Conferences			2020-2021	Outside this college

2	IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems (SPICES)	A Transformer-less High Efficiency Interleaved Buck Converter with Improved Step-down Conversion Ratio and a Pre-charging Setup through Snubber Circuit	International Conferences			2020-2021	Outside this college
3	International Conference on Emerging Trends in Engineering, Science and Technology (ICETEST)	An improved step-down conversion ratio interleaved buck converter for air-craft applications	International Conferences			2020-2021	In this college
4	IEEE International Conference on Power Systems Technology (POWERCON)	Interleaved Bidirectional DC/DC Converter Topologies for Solar based Standalone Distributed Generation Systems	International Conferences			2020-2021	In this college
5	International Conference on Power, Instrumentation, Control and Computing (PICC)	A Survey of Bidirectional DC/DC Converters for Battery Storage Applications in Distributed Generation Systems	International Conferences			2020-2021	In this college

Programs Coordinated			
S.No	Description	Category	Academic Year
1	APJAKTU Sponsored 5-day Faculty Development Program on "Recent Advances & Research Challenges in Electric Vehicle System Design"	FDP	2022-2023

Programs Attended				
S.No	Description	Category	Academic Year	Period
1	Vehicle Electrification: Future Mobility Trends	FDP	2024-2025	In this college
2	How Teachers Can Make a Difference	FDP	2024-2025	In this college
3	Opportunities of Power Electronics in Smart Grid, Renewable Energy Resources and Electric Vehicles	FDP	2023-2024	In this college
4	Innovative Approach to renewable Energy Education	FDP	2023-2024	In this college
5	Recent Trends In Biomedical Applications using AI	FDP	2023-2024	In this college
6	Mentor Mentee Relationship and Academic Student Mentoring	FDP	2023-2024	In this college
7	Control Engineering	FDP	2023-2024	In this college
8	GaN based High Gain DC-DC Converter fed Multilevel Inverter for UPS Applications	Other Programs	2023-2024	In this college
9	Advance Power Electronics and Control	FDP	2023-2024	In this college
10	IP Awareness/Training program	Seminar	2022-2023	In this college
11	Emerging Applications of AI and IoT: Opportunities and Challenges-2023	STTP	2022-2023	In this college
12	IEEE Xplore	Other Programs	2022-2023	In this college

13	EBSCO eBooks/ECM	Other Programs	2022-2023	In this college
14	Research Trends in EV Technology & Sustainable Microgrids 2022	STTP	2022-2023	In this college
15	Inculcating Universal Human Values in Technical Education	FDP	2022-2023	In this college
16	Emerging trends in power electronics and control for electric vehicle and smart grid	FDP	2022-2023	In this college
17	Emerging Trends in Power, Energy and Control	FDP	2022-2023	In this college
18	Topics in Hardware Security	FDP	2021-2022	In this college
19	Energy Engineering	FDP	2020-2021	In this college
20	Operations Management	FDP	2020-2021	In this college
21	Outcome Based Education with Assessment and Evaluation	STTP	2020-2021	In this college
22	“Advancements in Electrical Engineering: An Academic & Industrial Approach	FDP	2020-2021	In this college
23	Energy & environment: problems facing third world and their probable solution for sustainable development	Seminar	2020-2021	In this college
24	Power electronics for renewable energy	Seminar	2020-2021	In this college
25	The role of digital libraries in online learning environment during the pandemic	Seminar	2020-2021	In this college
26	Switching Circuits and Logical Design	FDP	2020-2021	In this college
27	Design Thinking	FDP	2020-2021	In this college

Projects Guided					
S.No	Description	Academic Year	Is Funded	Funded Agency	Fund Amount
1	Bidirectional Charger	2023-2024	No		
2	FUANA HALT	2022-2023	No		

Interactions with Outside World		
S.No	Description	Academic Year
1	External Evaluator for KTU Lab Examination "EEL334 Power Electronics Lab" at GEC Thrissur on 13/12/2024	2024-2025
2	External Examiner for the KTU Examination of EEL 334 Power Electronics Lab in Universal College of Engineering on 08/08/2023 and 09/08/2023	2023-2024
3	Scheme Finalization of Fifth Semester B. Tech (R,S) Degree Examination (2019 Scheme) December 2023 of EET305 Signals and Systems	2023-2024
4	Appointed as Scrutiny Member for Third Semester B. Tech Degree(S,FE) Examination (2015 Scheme)-BM205 Electrical Technology on Dec 2023	2023-2024
5	External Examiner for KTU Examination of EEL 334 Power Electronics Lab in IES College of Engineering, Chittilappilly, Thrissur on 27/06/2023	2022-2023

Positions Held / Other Responsibilities			
S.No	Description	Academic Year	Period
1	Member in Extra-curricular Activities Committee	2024-2025	
2	Department Website In-charge	2024-2025	
3	Program Coordinator of EEE Department	2024-2025	
4	Member in Extra-curricular Activities Committee	2023-2024	
5	Department Website In-charge	2023-2024	
6	Program Coordinator of EEE Department	2023-2024	
7	Internal Exam Cell Member	2022-2023	
8	Member in Counselling Cell	2022-2023	
9	Program Coordinator of EEE Department	2022-2023	
10	Staff Council Member	2021-2022	

11	Anti-Narcotic, Anti-Alcoholic and Anti-tobacco Cell Member	2021-2022	
12	Member in Counselling Cell	2021-2022	
13	Program Coordinator of EEE Department	2021-2022	
14	Program Coordinator of EEE Department	2020-2021	
15	PTWA Committee Member from the Department	2020-2021	
16	Department Newsletter In-charge	2020-2021	
17	Member in Counselling Cell	2020-2021	

Research Interests	
S.No	Description
1	Interleaved DC-DC Converters
2	Bidirectional DC-DC Converter

Subjects Interested
1) Power Electronics 2) Signals and Systems 3) DC Machines and Transformers 4) Digital Electronics 5) Electrical Systems Design and Estimation

MOOC Course Completed					
S.No	Title	Conducted By	From Date	To Date	Duration
1	Control Engineering	NPTEL	2024-01-08	2024-04-19	12 Weeks
2	Advance Power Electronics and Control	NPTEL	2023-07-03	2023-09-22	12 Weeks
3	Introduction to Programming with MATLAB	Coursera	2020-07-06	2020-08-05	9 Weeks
4	Switching Circuits and Logical Design	NPTEL	2018-07-23	2018-10-13	12 Weeks
5	Basic Electronics	NPTEL	2018-01-22	2018-04-14	12 Weeks

Professional Body Membership					
S.No	Name of Profesional Body	Type of Membership	Member Since	Membership Id	Description
1	ISTE	Lifetime Membership	2020-2021	LM 119773	