

K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING FACULTY PROFILE

01. Name : S.GOWTHAM
02. Designation : Assistant Professor
03. Date of Birth : 26.05.1990
04. Date of Joining : 01.06.2015
05. Professional Membership : AICTSD



06. Qualification:

S.No.	Qualification	Specialization	Name of the Institution	Affiliated to	Year of Completion	Class & % of Marks
1.	M.E	Power Electronics and Drives	Sri Ramakrishna Engineering College, Coimbatore	Anna University, Chennai	2013	First Class with Distinction & 8.62
2.	B.E	EEE	Bannari Amman Institute of Technology, Sathyamangalam	Anna University, Coimbatore	2011	First Class & 8.40

07. Area of Interest : Power Electronics and Drives

08. Experience, Promotion & Designation Details (Chronological):

S.No.	Name of the Organization	Designation	Period	
			From	To
1.	Knowledge Institute of Technology	Assistant Professor	03.06.2013	21.05.2015
2.	K.S.R College of Engineering	Assistant Professor	01.06.2015	Till date

09. Publication Details:

National Level		International Level	
Journal(s)	Conference(s)	Journal(s)	Conference(s)
-	03	04	07

*-Annexure

10. Details of Monographs, Books & Patterns

S.No.	Title	Name of the author(s)	Publisher Name	Year of publication
1.	Industrial Automation	S.Gowtham	Techno Publisher ISBN:978-81-955080-8-2	04/04/2024
2.	IOT based Solar Powered Agriculture Robot	Dr.M.Ramasamy Dr.S.Gobimohan Mr.S.Gowtham Dr.P.Jamuna Dr.Rameshkumar Dr.C.Arulkumar M.Chitra M.Ajaykumar	Design Pattern 409891-001	08/03/2024
3.	Solar Mobile Charger	Dr.R.Poornima Dr.R.Satheeskumar Mr.S.Gowtham Mr.M.Subramani	Design Pattern App. No. 364442-001	07/04/2023
4.	Electronic Circuit Design Guidelines for circuit Branch Students	Dr.J.Thiyagarajan Mr.E.Kannan Mr.S.Gowtham	Copy Right RoC No: L-101208/2021	01/04/2021
5.	Digital Electronics Laboratory Manual for Electrical Engineering	Dr.J.Thiyagarajan Mr.E.Kannan Mr.S.Gowtham	RoC No: L-90170/2020	05/03/2020

11. Details of Proposal

S.No.	Title of the Proposal	Funding Agency Details	Date & Duration	Status
-	-	-	-	-

12. Details of Winter/Summer Schools Attended

S.No.	Name of the programme	Organized by	Date &Duration
1.	Academic Writing	NPTEL	May 2024
2.	Our Earth: Its Climate, History, and Processes	Course Era	Apr 2024
3.	Basic Electronics	NPTEL	Apr 2018

13. Details of Workshops/ Seminars Attended

S.No.	Name of the programme	Organized by	Date &Duration
2013-2014			
1.	ISTE workshop on Analog Electronics	Indian Institute of Technology Kharagpur	04.06.2013 to 14.06.2013
2.	National Level workshop on Emerging Trends in Embedded Systems & its Applications	Knowledge Institute of Technology	12.11.2013 to 13.11.2013
3.	Anna University sponsored Faculty Development	Sri Ramakrishna Engineering College	09.12.2013 to 15.12.2013

	Program on Solid State Drives		
4.	ISTE workshop on Signals & Systems	Indian Institute of Technology Kharagpur	02.01.2014 to 12.01.2014
5.	Workshop on UDOO-Multicore Embedded Platform	i Square (hi-tech) Systems Pvt. Ltd., Coimbatore	25.01.2014
6.	National Level workshop on Modeling & Simulation of Circuit using OrCAD in PCb Design Applications	Knowledge Institute of Technology	07.02.2014
2014-2015			
7.	MHRD-TEQIP II sponsored Faculty Development Program on Research, Innovations and Technologies for Smart Microgrid	National Institute of Technology, Calicut	08.06.2014 to 14.06.2014
8.	ISTE workshop on Control Systems	Indian Institute of Technology Kharagpur	02.12.2014 to 12.12.2014
9.	ICT Academy sponsored Faculty Development Program on Decision Making Skills	Adhiyamaan College of Engineering	20.05.2015 to 21.05.2015
2016-2017			
10.	Anna University sponsored Faculty Development Programme on Electrical Machines-I	Vivekanandha College of Engineering for Women	17.12.2016 to 24.12.2016
11.	NPTEL Workshop	K.S.R College of Engineering	11.01.2017
12.	ISRO Sponsored Seminar on Latest Technology in Solar and Wind Energy Resources	K.S.R College of Engineering	20.04.2017
2017-2018			
13.	Computational Energy Management in smart GRID	Vivekanandha College of Engineering for Women	20.11.2017 to 03.12.2017
14.	MATLAB & Its Applications	Vellalar College of Engineering and Technology	21.09.2017 to 22.09.2017
15.	Embedded Systems and its Application in Internet of Things	Sri Krishna College of Technology	25.06.2018 to 30.06.2018
2018-2019			
16.	IEEE Xplore Digital Library Training	K.S.R College of Engineering	04.07.2018
2019-2020			

17.	Automated Manufacturing Systems	NITTR, Kolkatta	01.07.2019 to 05.07.2019
18.	Cyber Security	K.S.R. College of Engineering, Tiruchengode	14.06.2020
19.	Computer Techniques for Power Flow Analysis	K.S.R. College of Engineering, Tiruchengode	30.06.2020
2020-2021			
20.	Digital Teaching Techniques	ICT Academy, KSRCE, Tiruchengode	29.06.2020 to 04.07.2020
21.	Internet of Things for Healthcare	Dr. Mahalingam College of Engineering and Technology	21.09.2020 to 26.09.2020
22.	Solar Energy Conversion Systems: Technologies, Design And Applications	Velalar College Of Engineering And Technology	21.12.2020 to 27.12.2020
2021-2022			
23.	FDP on "Recent Advances in Control Systems-2021	Madan Mohan Malaviya University of Technology Gorakhpur.	18.10.2021 to 22.10.2021
24.	Big Data Analytics for Smart Grid	Sri Krishna College of Engineering and Technology, Coimbatore	14.12.2021 to 20.12.2021
2022-2023			
25.	FDP on Trends & Challenges in the Development of Electric Vehicle & Hybrid Electric Vehicle	Lendi Institute of Engineering and Technology	26.09.2022 to 30.09.2022
26.	FDP on Innovation in Mentoring Pedagogy and incorporation of ICT techniques in Education	Paavai Engineering College, Namakkal	30.01.2023 to 04.01.2023
2023-2024			
27.	Two week National level virtual workshop on Advanced Research Methodology	SRM Institute of Science and Technology, Chennai	03.07.2023 to 18.07.2023
28.	Five day short term training program on Scientific writing and Publishing	Sarala Birla University, Jharkhand	31.07.2023 to 04.08.2023
2024-2025			
29.	FDP on Essential Skills for Professional Development in Higher Education	Star International Foundation for Research and Education	01.07.2024 to 07.07.2024

30.	FDP on Recent Trends in Computing 4.0	Vishwakarma Institute of Technology, Pune	08.07.2024 to 13.07.2024
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14. Details of Winter/Summer Schools/Workshops/Seminars organized:

S.No	Name of the programme	Sponsored by	Acted as	Duration	Coordinator
1.	One day National level seminar on Energy Harvesting using sustainable energy sources	KSRCE	Coordinator	1 day	Mr.S.Gowtham
2.	National Webinar on “Electric Vehicle Technology”	KSRCE	Coordinator	1 day	Mr.S.Gowtham
3.	Webinar on Career Opportunities in Civil Services	KSRCE	Coordinator	1 Session	Mr.S.Gowtham

15. Social media details:-

LinkedIn Profile Link	https://www.linkedin.com/in/gowtham-s-74b59a153/
Youtube Profile Link	https://www.youtube.com/@gowthams9728

Annexure

LIST OF PUBLICATIONS

International Conference: 07

1. S.Gowtham, "FPGA Implementation of XOR-MUX based Full Adder and Truncated Multiplier for Signal Processing Applications" Fifteenth International Conference on Computing, Communication and Networking Technologies (ICCCNT), organized by IIT-Mandi, in association with IEEE Electronics Packaging Society, June 24th - 28th, 2024.
2. S.Gowtham, "IOT based Automatic gate valve controller", International conference on Emerging Materials and Technology organized by K.S.R. College of Engineering, Tiruchengode, Tamilnadu in association with Dongguk University, South Korea, 22 February 2024.
3. S.Gowtham, "Analysis on various core materials and magnets for Electric Vehicle applications", International conference on Advances in Electrical, Electronics and Computational Intelligence organized by K.S.R. College of Engineering, Tiruchengode, Tamilnadu, 19 & 20 October 2023.
4. S.Gowtham, "PLC Programming and Panel Wiring for Plywood Cutting Machine", International conference on Engineering, Technology and Science, organized by Muthayammal College Engineering, Tamilnadu, 31 March 2023.
5. S.Gowtham, "Smart ATM security using vibration sensor and DC motor", International conference on Science, Technology, Engineering and Mathematics, organized by Jansons Institute of Technology, Tamilnadu, 28 May 2022.
6. S.Gowtham, "Automation and Control of Hydroponic Agriculture", International conference on Engineering and Technology, organized by Selvam College of Technology, Tamilnadu, 04 & 05 March 2020.
7. S.Gowtham, "Automatic Speed Breaker Control Using PIC Controller", International conference on innovation in Science, Engineering and Technology for sustainable development, organized by Muthayammal College Engineering, Tamilnadu, 30-31 March 2018.

National Conference: 03

1. S.Gowtham, "Railway Track Pedestrian Crossing using Mobile Platform", National conference on Emerging Trends in Engineering and Technology organized by Nandha college of Technology, Tamilnadu, 16 March 2019.

2. S.Gowtham, “Energy Saving Method using Hybrid Power System”, National Conference on Xtreme Engineering and Technological Advancements, organized by Jayam College of Engineering and Technology, Tamilnadu, 30-31 March 2015.
3. S.Gowtham, “Grid Connected Three Phase 9-level PWM Current Source Inverter for Wind Energy Conversion System”, National Conference on Smart Instrumentation, Measurement and Applications, organized by K.S.Rangasamy College of Technology, Tamilnadu, March 2014.

National Journal: -NIL-

International Journal: 04

1. S.Gowtham published a paper entitled “Unmanned aerial vehicle resilience: A new approach to fault diagnostics framework” in the Journal of Autonomous Intelligence Volume 7, Issue 5, doi: 10.32629/jai.v7i5.1637, (July 2024).
2. S.Gowtham published a paper entitled “Bank Smart Card with Smart Security System using PLC” in the International Research Journal of Modernization in Engineering Technology and Science, Volume 2, Issue 3, PP 386-391, (March 2020).
3. S.Gowtham published a paper entitled “Analysis and Implementation of Semaphore Signalling in Railway Tracks” in the International Journal of Science, Technology and Society (ISSN: 2330-7412), (March 2015).
4. S.Gowtham published a paper entitled “Speed Control of Induction Motor Based on DC Link Measurement” in the International Journal of Engineering Research & Technology (ISSN: 2278-0181), Vol.2, Issue 10 (October-2013).