



SRI SHRIDEVI CHARITABLE TRUST (R.)
**SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOGY**



NAME:Dr.B.GIREESHA

Designation: ASSOCITE PROFESSOR

Department: ECE



Date of Joining	12-02-2024		
Professional Experience	Teaching	Industry	Research
	3	0	7

ContactDetails	
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ORCID	0009-0003-2992-1591
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Academic Background
<ul style="list-style-type: none">• PhD from Central University of Karnataka, Kalaburagi, Awarded on March 2022
<ul style="list-style-type: none">• MTech, from PESIT, Bengaluru, Completed on 2014
<ul style="list-style-type: none">• BE, from SJMIT, Chitradurga, Completed on 2011

AreasofInterest	
<ul style="list-style-type: none">• Artificial Intelligence	<ul style="list-style-type: none">• Optimization Techniques
<ul style="list-style-type: none">• Image Processing	<ul style="list-style-type: none">• Digital Signal Processing

Significant Publications

No. of Papers Published in Journals (Numbers and Description) 08

1. Edwin Singh C, Sharon Priya S, Muthu Kumar B, Saravanan K, Neelima A, **Gireesha.B**, "Trust aware fuzzy clustering based reliable routing in Manet" Measurement:Sensors,Vol.32, April,2024, **Elsevier**, ISSN:26659174, DOI: <https://doi.org/10.1016/j.measen.2024.101142>.
2. Tripura Pidikiti, Sheedevi, **Gireesha.B**, Mopidevi Subbarao and V. B Murali Krishna, "Design and Control of Takagi-Sugeno-Kang Fuzzy Controller based Inverter for Power Quality Improvement in Grid-tied PV

3. **Gireesha.B**, Layak Ali, "MATLAB/Simulink and CST Software Based Efficiency Improved Square Patch Micro-Strip Antenna with PSO Algorithm", Journal of Advanced Research in Dynamical and Control Systems (JARDCS) 11(6),(2019),pp-420-428(**Scopus**).
4. **Gireesha.B**, Layak Ali, "MATLAB/Simulink Based Design and Simulation of Square Patch Micro-Strip Antenna", Journal of Computational Information Systems, 15(1), (2019), pp- 143-149(**Scopus**).
5. **Gireesha.B**, "A Literature Survey on Artificial Swarm Intelligence-based Optimization Techniques", International Journal of Engineering & Technology, 7(4.5), (2018), pp-455-458, **Elsevier**.
6. **Gireesha.B**, "A Comparative Performance Evaluation of Swarm Intelligence Techniques", Journal of Computational Information Systems, 14(4), (2018), pp-14-20 (**Scopus**).
7. **Gireesha.B**, "An Approach of FLC-PSO based Hybrid Control Algorithm for Optimized MPPT in PV-Systems", Journal of Emerging Technologies and Innovative Research, 2017, 4(10), pp.316-320.
8. **Gireesha.B**, "Particle Swarm Optimization based Control Algorithm for Cost Minimization of Hybrid Micro source- Residential Load System", Journal of Emerging Technologies and Innovative Research,2017,4(10),pp.312-315.

No. of Papers Presented in Conferences (Numbers and Description)04

1. R. Jeya Malar, J. Mary. Mettilda, M. Mageshbabu, R. Siva Nagini, Lily Saron Grace **B.Gireesha**, "FPGA Interfaced ECG Signal Processing Based on Machine Learning Classifier"
<https://ieeexplore.ieee.org/author/129655699915296>, 14-15 December 2023.
2. B Murali Krishna V, Suhashine, **Gireesha.B** and Manikanta, "Design and Control of Power Quality Improved 250 kW PV-based Grid-tied System with Low Voltage Ride through", The Institution of Engineers (I): 33rdIndianEngineeringCongress, Udaipur, ISBN No: 978819384049-8, Dec 21-23, 2018.
3. **Mr.Gireesha.B**, "A Comparative Study on particle Swarm Optimization Algorithms". "International Conference on New Trends in Engineering &Technology (ICNTET), Sept 07-08-2018, Chennai, India.
4. **Mr.Gireesha.B**, "Performance Evaluation of Swarm Intelligence Techniques; A Comparative Review". International Conference on Recent Trends in Engineering & Sciences (ICRTES-2018), Feb20-212018, Visakhapatnam, India.

Conferences/Workshops/Seminars/Training Programs Attended:

1. Participated in the one-day workshop conducted by this institute "Training Centre for Competitive Examination", Siddhartha law College Campus, Kalaburagi.
2. Participated in the three days National Workshop on "Basic Mat Lab Programming and Simulink" organized by the Department of Mathematics, Central University of Karnataka, Kalaburagi-585367, India, during 6th-8thMay 2015.
3. Participated in Know Nano-2016 Workshop held at the CUK from 19th-21stApril2016.
4. Participated in Two-Day International Conference on Life and Work of Dr.B.R.Ambedkar held on 18-19 of July2016 organized by the CUK and Association with HKRDB, Kalaburagi.
5. ICSSR Sponsored Two Day National Conference on "E-Governance: Towards Digital Democracy" heldduringJuly29-302016organized by the Dept. of Commerce, CUK.
6. National Workshop on Innovative Research Techniques held from 25-26 Nov 2016 at CUK. Participated in the Two days' workshop on "SPSS, Prowess and Anti-Plagiarism Software" organized by Central Library, CUK held on2-3March2017.
7. Participated in the three days' workshop on CORPORATE AND UGC-NET Training from 9- 11 March 2017 organized by Dept., of Computer science, CUK.
8. Participated in the Two Days National Conference on Life and Works of Babasaheb Dr. B. R.Ambedkar held on 30-31 May 2017 organized at the CUK.
9. Certificate of Appreciation for valuable contribution to the Dr. B. R. Ambedkar International Conference as a Delegate 21-23 July 2017 at GKVK, Bangalore, India.
10. Participated in the Two Days National Seminar on "Maharishi Valmiki Contribution to the Indian Society and Problems and Challenges of Scheduled Tribes in Karnataka" held on Life and Works of Babasaheb Dr.B.R.Ambedkar held on 30 Aug-1Sept2017,at Gulbarga University, Karnataka.

11. Participated in Faculty Development Programme on Data Analytics using SPSS organized by Central Library, CUK in collaboration with SPSS South Asia on 10-11Jan2018.
12. Participated in the 33'd Indian Engineering Congress held at Hotel Ananta, Udaipur during December 21-23 2018 and presented a paper titled, "Design and Control of Power Quality Improved 250 kW PV –based Grid-tied System with Low Voltage Ride through".
13. Participated in the two-week training classes on "Communicative Skills" conducted by the Equal Opportunity Cell with Dept., of English at the CUK.
14. Participated in the one-week workshop on Research Methodology organized by Equal Opportunity Cell at the CUK.
15. Participated in the one day "National Seminar on Primer to Scholarly Publishing in Open Access Journals" organized by Central Library CUK in Association with DOAJ, Sweden held on 8 FEB 2019.
 - **Book Chapters (Numbers and Description) Nil**
 - **List of FDP's/Workshops (Numbers and Description) Nil**
 - **Books (Numbers and Description) Nil**
 - **Patents Published (Numbers and Description) Nil**
 - **KSCST Student Projects Funded /Funded project and consultancy (Numbers and Information) Nil**
 - **Awards/Recognition GATE-2009,NFST-2015**
 - **Project Guided details Nil**

Achievements

- **Editorial Board Member Nil**
- **Nominated as Nil**
- **Reviewer for Nil**
- **Invited Speaker for Nil**
- **Resource person for Nil**
- **In-house resource person for Nil**
- **Professional Membership Nil**