



## Faculty Profile

Name of the Faculty : Dr. T.Balamurugan

Designation : Assistant professor

Department: Electronics and Communication Engineering

Date of Joining : 21-12-2008

Faculty AICTE ID: 7514292409

ANNA UNIVERSITY ID: 6135130

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Qualification : M.E,Ph.D

Specialization : Electronics and communication engineering

Professional Experience: 15 years

Publications:

(i) International Journals :

1. **T.Balamurugan, E.Gnanamanoharan, and L.Martin**, “Deep Wavelet Autoencoder Based Brain Tumor Detection Analysis Using Deep Neural Network”, Turkish Journal of Computer and Mathematics Education, <https://doi.org/10.17762/turcomat.v12i11.5940> ISSN: (Online); 1309-4653 No. 11 (2021), 639-645 may 2021, **(INDEXED IN SCOPUS)**.
2. **T.Balamurugan, E.Gnanamanoharan**, “Genetic Algorithm and Deep Learning feature – based Tumor Detection”, Indian Journal of Computer Science and Engineering, ISSN: 0976-5166, E-ISSN: 2231-3850, Vol. 12 No. 6 Nov-Dec 2021. **(INDEXED IN SCOPUS)**.
3. **T.Balamurugan, E.Gnanamanoharan**, “Brain Tumor Classification in MRI Images using Genetic Algorithm Appended CNN”, Computer Assisted Methods in Engineering and Science, [S.l.], v. 30, n. 3, p. 305–321, july 2023. ISSN 2956-5839.. **(INDEXED IN SCOPUS)**.
4. **T.Balamurugan, E.Gnanamanoharan**, “Brain Tumor Segmentation and Classification using hybrid Deep CNN with LuNet Classifier”, Neural Computing and Applications, ISSN: 1433-3058 <https://link.springer.com/article/10.1007/s00521-022-07934-7>, 30 Oct 2022 **(INDEXED IN SCIE)**.

(ii) International Conference:

T.Balamurugan, E.Gnanamanoharan, Person authentication Based on speech and visual, International conferences Advance concepts in Computational engineering and Science, 15th March 2019, Department of ECE, Bharathiar College of Engineering Technology, Karaikal.

## Workshop and FDP Attended

- AICTE and ISTE approved to be short term training program on cyber security conducted by the Department of Computer Science and Engineering, Faculty of Engineering and Technology, Annamalai University. held from 19-11-2018 to 02-12 2018.
- Department of Technical Education State Project Implementation Unit - Tamil Nadu & Coimbatore Institute of Technology, Coimbatore – 14, Jointly organized TEQIP-III Sponsored Two Day Faculty Development Programme on Design, Develop and Deliver online courses through MOODLE platform held on 23 & 24 April, 2020 through Online Mode.
- AICTE Training and Learning (ATAL) Academy Online FDP on "Internet of Things(IoT)" from 11-05-2020 to 15-05-2020 at Government College of Engineering Srirangam, Trichy.
- Tamil Nadu State Government Sponsored Two Days Online Faculty Development Programme On “Hypothesis Testing for Researchers”20.05.2020 To 21.05.2020
- Webinar series organized with Department of Electronics and Communication Engineering of Sri manakula Vinayagar Engineering College from 25th may to 29th may 2020.
- BSNL industrial training program for faculty. On 3 weeks’ “FDP on “Communication Networking and Topology” from 1st to 19th June 2020 conducted by BSNL Rajiv Gandhi Memorial Telecom Training Centre Chennai-600016.
- ATAL Sponsored Online FDP on 'Internet of Things' which is going to be conducted by Department of Electronics and Communication Engineering, Government College of Engineering, Dharmapuri from 15.03.2021 to 19.03.2021
- Government official training program on Introductory course on robotic process automation using UI path under future skill Prime programme held from 3rd January 2020 to 13th January 2022 NIELIT Chennai
- Government official training program on internet of things under future skills Prime program held from 17 January 2022 to 28 January 2022 NIELIT Chennai
- RUSA 2.0 Sponsored One Week Faculty Development Program On DISASTER MANAGEMENT (DISMA-2022) Organized by the Department of Chemical Engineering. Faculty of Engineering and Technology, Annamalai University, Annamalai Nagar - 608 002, Tamilnadu from 12" to 18" of December 2022.
- Mentoring in Professional Readiness for Innovation, Employability and Entrepreneurship program on Emerging technology (Artificial Intelligence, Applied Data Science, Data Analytics, Internet of Things, Cloud App development) June 28, 2023

- Govt. Officers Training Program under Future Skills PRIME-Block Chain Technology 21/07/2023 to 28/07/2023  
NIELIT Kolkata.