Faculty Profile

Name : G B Janardhana Swamy Designation : Assistant Professor Department : Computer Science & Engineering Contact Details: E-mail : gbjanardhanaswamy@nie.ac.in Phone :7019984240	

About me:

Mr. G. B. Janardhana Swamy is an Assistant Professor in the Department of Computer Science and Engineering at The National Institute of Engineering (NIE), Mysuru, with over 13.5 years of academic experience. He previously served at Sahyadri College of Engineering and Management, Mangalore; Prasanna College of Engineering and Technology; and Girijabai Sail Institute of Technology, where he also held administrative responsibilities including Head of Department.

His areas of research include Internet of Things (IoT), Artificial Intelligence, Machine Learning, and AioT applications for smart systems. His recent research focuses on intelligent solutions such as AioT-based wastewater treatment prediction models and smart environmental monitoring systems. He has contributed to several international journals, conferences, and book chapters published by Springer and other reputed publishers. He has also been actively involved in academic administration, mentoring, accreditation activities (NBA/NIRF), and innovation initiatives through the Institution's Innovation Council (IIC).

Qualification:

B.E. (VTU), M.Tech (VTU), [Ph.D.](VTU)

Courses Taught:

- Software Engineering and Project Management
- Internet of Things
- NoSQL Databases
- Programming in C
- Human Computer Interface
- Unix System Programming
- Operating System

- Database Management System
- Python Programming

Publications:

Journal Publicatons

1. **GBJ Swamy,** & Anusha, L. Meghashree, and Sangeetha,"Brain tumor detection using convolutional neural network,". *International Journal for Research in Applied Science and Engineering Technology*, 8.
2. **G. B. J. Swamy**, L. Anusha, M. Meghashree, and Sangeetha, "Brain tumor detection using convolutional neural network," *International Journal for Research in Applied Science & Engineering Technology*, vol. 8, no. 6, Jun. 2020.
3. P. C. Vijay, S. Yashpal Gupta, **G. B. Janardhana Swamy**, and D. R. Janardhana, "Web chat: Interactive application for disabled people," *International Journal of Advance Research, Ideas and Innovations in Technology*, vol. 6, no. 5, pp. 560–564, 2020.

Conference Proceedings

1. Janardhana, D. R., C. P. Vijay, **G. B. J. Swamy**, and K. Ganaraj (2020): "Feature Enhancement Based Text Sentiment Classification using Deep Learning Model", *5th International Conference on Computing, Communication and Security (ICCCS 2020)*, organized at Patna, India, 2020, pp. 1–6. DOI: 10.1109/ICCCS49678.2020.9277109.

2. **Janardhana Swamy, G. B**. (2017): "Direct to Soldiers – Financial Aid to Soldiers", *CSIR Sponsored National Conference on Advances in Computational Biology, Communication & Data Analytics*, organized by the Department of Computer Science and Engineering, Jain College of Engineering, Belagavi, India on May 14, 2017.

Book Chapters

1. **G. B. Janardhana Swamy**, *et al.*, "AIoT integrated autonomous sewage management," in *IntechOpen*, Art. no. 1006632, Sep. 16, 2024

2. **G. B. Janardhana Swamy**, D. R. Janardhana, C. P. Vijay, and V. Ravi, "Blockchain-enabled IoT integrated autonomous sewage management system," in *Convergence of Internet of Things and Blockchain Technologies*, Cham, Switzerland: Springer International Publishing, 2021, pp. 41–56

3. D. S. Prashanth, **G. B. Janardhana Swamy**, and S. S. Rao, "Internet of Things and web services for handling pandemic challenges," in *Sustainability Measures for COVID-19 Pandemic*, Singapore: Springer Nature Singapore, 2021, pp. 1–19.

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Other Achievements

1. Filed and published an Indian Patent Title "AIoT Integrated Autonomous Sewage Management and alerting System" with the Patent No. 202341049481 on 22/07/2023.
2. Winner Elevate Unnati 2021 Project under IDEA2PoC Grant Scheme (Elevate-Unnati) of Karnataka Startup Policy, KITS, Dept. of Electronics, IT, Bt and S&T Govt. of Karnataka
3. Most Promising Educators in the higher education Across India for the year 2019 by uLektz Wall of Fame An initiative to identify, recognize & appreciate the contributors of higher education
4. Advisory Board Member, Yazhli Global Multidisciplinary Research Organisation (YGMRO), Aug 2019.

Professional Membership

1. Member International Association of Engineers (IAENG) 215957
2. Member-Data Science Association
3. Member ID: 11064 | IAOE Affiliate
4. Member-IFERP: PROF-85050669
5. Membership ID (Life Time): TERA-M110441(Teaching and Education Research Association)
6. Member IEDRC- 90081448 (International Economics Development and Research Center