

Dr. Gangadharappa S

Associate Professor
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Objective

To better facilitate student learning in the area of Computer Science and Engineering by inspiring and equipping the next generation of engineers with the necessary knowledge, skills, and problem-solving abilities to excel in their academics and future careers.

Research Interests

- Artificial Intelligence
- Machine Learning
- Image Processing
- Natural Language Processing

Academic Profile

Research Details

- Completed Ph.D. under VTU in the Academic year 2023 on Image Processing Area.

Research topic: “*Development of Pattern Recognition System for Analysis and Grading of Brain Tumors*” Under the Guidance of Dr. C Naveena, Professor, S.J.B.I.T, Bengaluru.

M. Tech.

Master of Technology (M. Tech), BIET, Davanagere, Computer Science & Engineering.2010.

B. E.

Bachelor of Engineering (B.E), GMIT, Davanagere, Electronics and Communication Engineering.2007.

Teaching Experience

Associate professor

Department of Computer Science and Engineering, BIET Davanagere from 01-02-2024 to till date

Assistant Professor

Department of Computer Science and Engineering, BIET Davanagere from 10-08-2010 to till date.

Professional Memberships

- MISTE
- CSTA
- IRINS
- IAENG

Subjects Handled

C programming for problem solving, Analog and Digital Electronics, Microprocessor and Microcontrollers, Graph Theory, Embedded Systems, Computer Organization, Operations Research, Electronic Circuits, Discrete Mathematical Structures.

Additional Roles & Responsibilities

- Coordinator for SCR.
- Coordinator for Internship.
- Time Table co-coordinator

- Student counselor for a batch of 45 students
- Actively involved in the departmental activities
- Team member for Infosys initiated soft skills programmer for students
- Coordinator for Parent-Teachers meeting.
- Coordinator for IRINS portal.
- Coordinator for UHV.
- Coordinator for Green Campus

List of Publications

- Gangadharappa S, Naveena C, V N ManjunathAradhya, “**The Analysis of Srgb Color Space Based Density for Brain Tumor Segmentation**”, *In Proceedings of Seventh International Symposium on Intelligent Informatics (ISI'22)*, Springer Nature, Vol.333,Pages:325-334, 2022. DOI: [10.1007/978-981-19-8094-725](https://doi.org/10.1007/978-981-19-8094-725).
- Gangadharappa S, Naveena C, V N ManjunathAradhya, “**Human Brain Tumor Detection and Segmentation for MR Image**”, *Revue d'Intelligence Artificielle (RIA) IIETA*, Vol. 37, Issue-1, pp.147-153, 2023. [Q3Quartile]. DOI: doi.org/10.18280/ria.370118.
- Gangadharappa S, Naveena C,V N ManjunathAradhya, “**A Hybrid System for Brain Tumor Classification**”, *Korean Journal of Physiology and Pharmacology (KJPP) (Multidisciplinary)*, Vol. 27,Issue-3, pp.293-304, 2023. [Q3 Quartile]. DOI: <http://kjppor.com/index.php/kjpp/article/view/275>.
- Presented a paper entitled “**Preprocessing of MR Images for Effective Quantitative Image Analysis**” 5th International Conference on Image Information Processing (ICIIP-2019) Organised by Department of Computer Science and Engineering on 15/11/2019 to 17/11/2019 at JayPee University of Information Technology, Wakhnaghat, Solan, Himachal Pradesh, India.
- Presented a paper entitled “**Brain Tumor Detection Using Deep Neural Network**” in 7th National Conference on “Advancements in Information Technology (NCAIT-2021) Organized by Department of Information Science and Engineering on 18/06/2021 at JSS Academy of Technical Education, Bengaluru, India.
- Presented a paper entitled “**Pesticides Suggestion or Diseased Plants using Machine Learning**” in 7th National Conference on “Advancements in Information Technology (NCAIT-2021) Organized by Department of Information Science and Engineering on 18/06/2021 at JSS Academy o Technical Education, Bengaluru, India.

Awards

- Guided a project titled “*Pesticides Suggestions for Plant Disease using Machine Learning*” awarded as Consolation in the online project presentation “PROGYAN 3.0: In house project Exhibition”. Batch-10 for the academic year 2020-2021.
- A project titled “*Underwater Image Enhancement via Medium Transmission-Guided Multi Color Space Embedding*” is selected for Institute level funding for the academic year 2021-22.
- A project titled “*Traffic Violation Proctoring System: Helmet and Triple Riding Detection*” is selected for Institute level funding for the academic year 2022-23.

Seminars/Workshops Attended

- Attended expert talk on “**Research Outcomes through Indexed Publications**” Organized by CS&E BIET, on 18/11/2021.
- Attended 11 days (40 hours) online FDP on “**Artificial Intelligence and Machine Learning**” Organized by SJBIT Bangalore from 28/09/2021 to 08/10/2021.
- Attended one week online FDP on “**UHV Refresher-1**” Conducted by AICTE, New Delhi from 30/08/2021 to 03/09/2021.
- Attended one week online FDP on “**Inculcating Universal Human Values in Technical Education**” Conducted by AICTE, New Delhi from 12/07/2021 to 16/07/2021.
- Attended 3 days FDP on “**Hands-on Microcontroller and Embedded Systems**” Conducted by G.M.I.T., Davanagere from 20/01/2020 to 22/01/2020.
- Attended 3 days National level workshop on “**Research Workshop**” Conducted by S.J.B.I.T., Bengaluru from 23/01/2019 to 25/01/2019.
- Actively involved in organizing 2 days boot camp and 24hours HACKATHON on “**Building Chatbots using IBM Watson**” Organized by SmartBridge in collaboration with IBM on 11th to 13th October 2018.
- Attended one week TEQIP1.3 sponsored 2nd FDP on “**Pedagogy Training in Technical Education**” at VTU Center for PG Studies, Muddenahalli under VTU-HRDC from 20/02/2018 to 24/02/2018.
- Attended two days’ workshop on “**ARM Cortex M3 Microcontroller**” Conducted by B.I.E.T Davanagere, from 23/01/2018 to 24/01/2018.
- Actively involved in organizing 24 hours nonstop the “**Largest Learnathon- student championship 2018**” conducted by Sales force & ICT Academy on 2nd & 3rd Feb 2018.
- Attended one week workshop on “**Machine Learning with Python and R-Tool**” Conducted by S.J.B.I.T., Bengaluru from 16/01/2017 to 21/01/2017.

- Attended 2 days' workshop on “**Matlab Fundamentals and Programming Techniques (MFTP)**” Conducted by BMSIT&M, Bengaluru from 21/07/2016 to 22/07/2016.
- Attended a one day Engineering Faculty Empowerment Programme on “**Formulation of Research Proposal under DST/DRDO/ISRO/DIETY Schemes**” Conducted by R&D Centre MS Engineering College, Bengaluru on 30/06/2015.
- Attended 3 days Training Programme on “**Business Intelligence**” conducted by Infosys limited at MSRIT Bengaluru from 05/08/2014 to 07/08/2014.
- Participated in ISTE-SRM one week short term programme on “**Host Your Own World Wide Web**” Organised by Bapuji Polytechnic, Davanagere from 07/07/2014 to 11/07/2014.
- Attended “**Consumer Outreach Programme**” Organised by Telecom Regulatory of India, Regional Office Bangalore on 22nd March at Davanagere.
- Attended “**Research Add-ons**” 1 day workshop conducted by Dept. of CS&E BIET, Davanagere on 19th march 2014.
- Attended 2 days workshop on “**Software Defined Data Center**” organized by S.J.C.I.T, Chickballapur in association with EMC2, Bangalore on 9th and 10th Jan. 2014.
- Attended 3 days workshop on “**Feel Teacher**”- Learning and Development Intervention Conducted in B.I.E.T, Davanagere in association with CLHRD Mangalore, from 19th to 21 April 2013.
- Attended 3 days workshop on “**Mobile Application Development using Android**” conducted by Infosys Limited, Bangalore at S.J.C.I.T Chickballapur from 3rd to 5th Jan. 2013.
- Attended “**Mission 10X**” 5 days workshop conducted by Wipro Technologies, Bangalore at B.I.E.T, Davanagere from 28th May to 1st June 2012.

Conference Attended

- Attended 2 days International Conference on “**Integrated Intelligence Computing, Communication and Security (ICIIC-2018)**” Organised by S.J.B.I.T., Bengaluru from 24/01/2018 to 25/01/2018.
- Actively participated in Organizing a three days International conference “**Applied and Theoretical Computing and Communication Technology (ICATCCT)**” conducted by Dept. of CS&E, BIET, Davanagere from 29/10/2015 to 31/10/2015.
- Participated in a 2 days Conference on “**Recent Trends in Cryptography**” held in B.I.E.T, Davanagere from 1st to 2nd April 2009.

- **Gangadharappa S**