

## FACULTY DETAILS

### Faculty Name:

**DR. CHAMPAKAMALA S**  
**Professor in Computer Science and Engineering**

### Education Details:

- Ph.D. (Computer Science and Engineering)

### Contact Details

**Email ID:** champaka.ssit@gmail.com

**Scopus ID:** Nil

**Google Scholar ID:** Nil

### Professional Experience

#### Teaching Experience:

- Working as a Professor in CSE Department, AIT, Tumakuru from Dec 2024 to till date.
- Worked as Assistant Professor in ISE Department, SSIT, Tumakuru from Aug 2011 to Dec 2024.
- Worked as Assistant professor in CSE Department, AIT, Tumakuru from Sep 2009 to Aug 2011.
- Worked as Lecturer in CSE Department, Vasavi Polytechnic, Bangalore from Oct 2008 to July 2009.

#### Research Experience: 5 Years

#### Funding/Grants Received

- **Co-Principal Investigator:** Grants of Rs. 15,00,000/- (Fifteen Lakhs Rupees Only) received from Vision Group of Science and Technology (VGST) K-FIST L1 Scheme, Government of Karnataka, for the project title “Brain Tumor Segmentation and Classification using Deep Learning Model”, in the year 2022-23. Duration: Two Years (2022-24).
- **Project Guide:** Grants of Rs. 5,000/- (Five Thousand Rupees Only) received from Karnataka State Council For Science and Technology (KSCST), IISC, Bangalore under 47th series of Student Project Programme (SPP) in the year 2023-24, Government of Karnataka for the project titled “Autonomous Vehicle Collision Avoidance”. Duration: One Year (2023-24).

### Publication Details:

#### SCOPUS INDEXED JOURNALS:

- “A Comprehensive Review on Brain Tumor Segmentation and Classification of MRI Images”, Multimedia Tools and Applications-Springer, Feb 2021.
- “Efficient Detection and Classification of Brain Tumor using Kernel based SVM for MRI”, Multimedia Tools and Applications-Springer, Jan 2022.
- “Brain Tumor Classification using Dense Net Deep Learning Model for MRI Images”, Progress in Artificial Intelligence, Springer Nature, Jan 2023.

#### OTHER JOURNALS:

- “Hybrid Framework for Preserving Privacy and Secured Authentication in Distributed Environment”, IJIRS Journal, Vol 2, Issue 6, June 2013.
- “Multifactor Based Privacy and Secured Authentication Schemes”, IJIRS Journal, Vol 2, Issue 6, June 2013.
- “Brain Tumor Detection and Classification on MRI using Variable wise Weighted Stack Auto-Encoder and Social Sky Driver Optimization Algorithm”, Neuro Quantology, December 2022 (UGC care).

- “Food Image Pattern Recognition and Recipe Generation using Convolution Neural Networks”, International Advanced Research Journal in Science, Engineering and Technology (IARJSET), (UGC care).

**PAPERS PRESENTED / REVIEWER / SESSION CHAIR IN INTERNATIONAL CONFERENCES:**

- “Efficient Segmentation and Feature Selection Using Harris Hawks Optimization Technique for Brain Glioma Detection in MRI Images”, International Conference on Engineering and Technology (ICET-22), Bangalore, 10th December 2022.
- Reviewer for 2nd IEEE International Conference on Data Science and Network Security organized by Kalpataru Institute of Technology, Tipatur from 26th-27th July 2024.
- Chair Person for IEEE International Conference on Software, Systems and Information Technology – 2024 organized by the Dept of CSE and ISE, SSIT, Tumakuru on 18th and 19th October 2024.

**Publication of Books: Nil**

**Roles and Responsibility**

- Member for NAAC Criteria 1 by IQAC Cell at SSAHE University since 2023.
- Department level NBA coordinator and Criteria-2 incharge since 2022.
- Member for Board of Studies at Department level since 2016.
- Coordinator for Board of Studies at Department level since 2018.
- Member for Board of Examination at Department level since 2016.

**Professional body membership**

- Member of ISTE

**Achievements:**

- Applied FDP proposal for VGST, GoK, on “Data Analytic Tools and Natural Language Processing” as a Principal Investigator in June 2024.
- Applied online FDP proposal for ATAL, GoI, on “Artificial Intelligence in Healthcare Systems” as a Coordinator in September 2024.
- Resource Person for FDP on “Computer Vision and Machine Learning using Python”, organized by Department of Electronics and Communication Engineering, Sri Siddhartha Institute of Technology, Tumakuru from 26-28<sup>th</sup> Sep 2024.
- Coordinator for 3 days FDP on “Data Analytic Tools and Natural Language Processing” organized by Department of Information Science and Engineering in association with DLithe Consultancy Services, Bangalore from 18th to 20th July 2024.
- Certificate of Appreciation by Samarthya-2024, IEEE Chapter, Sri Siddhartha Institute of Technology, Tumakuru held on 14th and 15th May 2024.
- Resource Person for Two-Days Workshop on “Artificial Intelligence and Machine Learning” at Shridevi Polytechnic, Tumakuru from 20th to 21st March 2024.
- Resource Person for “Samskara”, the PG Orientation Programme at Ashwini Ayurvedic Medical College and Research Center, Tumkur, 18th May 2023.
- Resource Person for FDP on “Open Source Tools for Lab Courses”, Department of Electronics and Communication Engineering, Sri Siddhartha Institute of Technology, Tumakuru , 23-28th Sep 2021.

**Ph D Guidance**

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**Research Area of Interest**

**Machine Learning / Deep Learning**