



Name of Faculty	Sushma Gudivada
Designation	Assistant Professor
Nature of Job/Appointment	Regular
Date of Joining	11-06-2026
E-mail	Sushmag_iotcsbt@cbit.ac.in

Education Qualifications**Name of the Degree****Class**

Ph. D

Doctor of Philosophy (CSE)

Pursuing

PG

M. Tech. (SE)

First Class

UG

B.Tech (CSE)

First Class

Work Experience

Teaching

14.5 Years

Research

04 Years

Industry

0 Years

Others

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Area of Specialization

Software Engineering, Machine Learning

Professional Memberships

1.Life Time Member: ISTE-LM 143079

2.IFERP Membership PROF-30063607

Responsibilities held at Institution Level

IIC Coordinator

Responsibilities held at Department Level

1. In- charge for NBA Criteria 7

Award Received

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Research Guidance

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Courses Handled at Under Graduate / Post Graduate Level.

C Programming and Data Structures using C, Software Engineering, Object Oriented Analysis and Design, Software Project Management, Operating Systems, Computer Organisation, Wireless Networks and Mobile Computing.

No. of Papers Published

National Journals - 02

International Journals – 00

National Conference – 08

International Conference – 00
Book Chapter - 02

Projects Carried out

B.Tech Projects Guided : 15;

M.Tech Projects Guided : 1

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Patents

1. A multi-Modal Artificial Intelligence Platform Integrating Geospatial, Drone , and IoT Data for Real-Time Disaster Prediction, Early Warning and Emergency Response. 202541119232 A
2. AI Controlled Market Surveillance for Real-Time Fraud and Anomaly Identification. 202641044705
3. AI-Powered Early Risk Assessment of Ovarian Cancer Using the Identification of Blood Biomarker. 202541079211
4. Integrated Prognostic Modeling in Ovarian Cancer: A System and metho using Clinical Imaging. 202541056413

Technology Transfer

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Invited Speaker

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No. of Books/Chapter Published with details

1. Data Visualization Methods for Clear Communication of ESG Analytics Findings — Sushma G., Selvakumar P., Lal S.P., ... Ahluwalia G.K., Manjunath T.C. — Data Driven ESG Strategy Implementation Through Business Intelligence — 2025. (Book Chapter)
2. Understanding Artificial Intelligence and Its Role in Branding — Gudivada S., Selvakumar P., Gnanaprakasam D., ... Jayadeva S.M., Manjunath T.C. — Strategic Brand Management in the Age of AI and Disruption — 2025.(Book Chapter)

Details of Short-Term Training Programs/ Faculty Development Programs/ Seminars/ Workshops. Other Trainings(**Attended and/ or Organized**).

1. Conducted STTP for 6 days as Co-Coordinator on “Emerging Trends in Cloud and Quantum Security” from 6th July 2026–11th July 2026.

Details of Conferences (National and International)

Journal Publications/ (National and International)

1. Statistical Forecasting Based on Conditional Density Estimation — Sushma G., Changala R., Kumar K.K., ... Kaveti K.K., Deepthi N. — Journal of Theoretical and Applied Information Technology (JATIT), Volume 104 No.3 -15th Feb 2026. (Journal)
2. An Explainable Hybrid CNN Transformer and Attention Refinement Framework for Intelligent UAV Based Structural Damage Detection — Sushma G., Seggem R., Panuganti L., ... Krishna P.V.S.M., Krishna G.R. — Journal of Theoretical and Applied Information Technology, 104(13) — 2026. (Journal)
- 3) A Short Review on the Early Diagnosis of Ovarian Cancer Using Bioinspired Machine Learning Algorithms — Gudivada S., Sumalatha L. — Lecture Notes in Mechanical Engineering — October 2025. (Conference)
4. Predictive Modeling in Economics: The Role of AI and Deep Learning — Sushma G., Jayanthi L., Chandrakanth Kasireddy L., ... Bhimaavarapu K., Reddy P.V. — 2025 World Skills Conference on Universal Data Analytics and Sciences (WORLDSUAS) — 2025.(Conference)
5. IoT-based Wildlife Intrusion Detection and Alert System using Sensor Fusion and AI for Agricultural Protection — Sushma G., Basha S.R., Ahamed S.N., ... Pasupuleti V.R., Ganesh D. —

- Proceedings of International Conference on Sustainable Communication Networks and Application (ICSCN) — 2025.(Conference)
6. An Efficient Intrusion Detection Model with Novel Machine Learning Stacking Ensemble Techniques — Sushma G., Sai Krishna T.V., Ramya A., ... Suhasini K.S., Moses G.J. — 5th International Conference on Advances in Electrical Computing Communication and Sustainable Technologies (ICAECT) — 2025.(Conference)
 7. 7. Machine Learning in Economics: Unveiling Trends, Automating Forecasts, and Shaping Smarter Policies — Sushma G., Shanmugasundaram V., Rao P.U.M., ... Paramasivam P., Tiwari R. — Proceedings of the 2025 International Conference on Technology Enabled Economic Changes (INTECH) — 2025.(Conference)
 8. AI-Based System for Early Detection of Skin Cancer Using Image Analysis — Sushma G., Gaddam S.R., Kumar V.T.R.P., ... Krishna B.L.V.S.R., Vikruthi S. — 2025 IEEE 4th International Conference for Advancement in Technology (ICONAT) — 2025. (Conference)
 9. "EDGE COMPUTING IN INDUSTRIAL IOT: ENHANCING RELIABILITY AND EFFICIENCY IN SMART MANUFACTURING ENVIRONMNETS" presented and published in the IEEE International Conference on Advancement in Technology, 30th May–1st June 2024.(Conference)
 10. 10. "Advancements and Security Challenges in the Industrial Internet of Things (IIoT)" presented and published in ICIETDW'24 during 13th–14th September. (Conference)