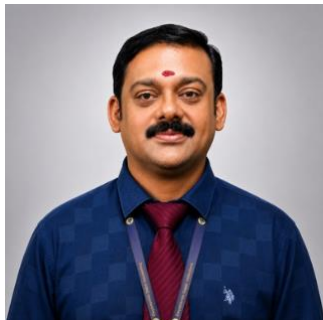




Dayananda Sagar Academy of Technology & Management

(Autonomous Institute under VTU)

Affiliated to **VTU**
Approved by **AICTE**
Accredited by **NAAC** with **A+** Grade
6 Programs Accredited by **NBA**
(CSE, ISE, ECE, EEE, MECH, CV)

Faculty Name	JYOTHIS K P	
Academic Designation	Assistant Professor	
Educational Qualification	BE, MTech, MBA, (PhD.)	
Experience in Years	13+ years (Teaching) + 3 years (Industry)	
Area of Interest	Security in Networks, Databases & IoT	
Date of Birth	27-05-1985	
Aadhar No	354661665019	
PAN No	AOWPJ3241A	
Email ID	jyothis-cse@dsatm.edu.in jyothismenon@gmail.com	

Educational Details

- Ph. D - (IoT Security) Pursuing in SRM University, Chennai.
- MBA in e-Business (Production) under Annamalai University, Chidambaram.
- MTech in Computer Science & Engineering from M.S. University, Tirunelveli.
- B.E in Computer Science & Engineering under VTU, Belgaum.

Personal Details

- Date of Birth: 27/05/1985
- Hobbies: Traveling, Photography
- Languages Known: English, Malayalam, Tamil, Hindi, Kannada (LNR)

Professional Experience

- Working as Assistant Professor in Dept. of CSE at DSATM from January 2024 to present.
- Worked as Assistant Professor in Dept. of CSE at Sreepathy Institute of Management and Technology, Palakkad Dt., Kerala from June 2013 to January 2024.

- Worked as Resource Co-ordinator and Teacher's Trainer for Pearson Education Services, Bangalore from June 2010 to June 2013.

Publications

Journals:

- Securing MQTT-based Communication for the Automobile and Medical Industries Against Man-in-the-Middle Attacks – International Journal of Science and Research Archive
- Artificial Intelligence-Based System and Method for Sustainable Urban Planning – IN Patent App. 202,441,104,034
- Django Web Framework Based Workshop Registration – International Journal of Research Publication and Reviews, Volume 6, Issue 6
- Codified Likeness Utility: A Modern Tool for Programming – International Journal of Science, Engineering and Technology, Volume 13, Issue 3
- Integrated Intrusion Detection and Prevention System using Honeypot in Cloud Computing – International Journal of Research Publication and Reviews, Volume 6, Issue 6
- Strategic Analysis and Implementation of an AI-Powered Financial Advisory Chatbot – International Journal of Research Publication and Reviews, Volume 6, Issue 6
- Securing MQTT-based Communication for the Automobile and Medical Industries Against Man-in-the-Middle Attacks – International Research Journal of Modernization in Engineering Technology
- Leveraging GNNs for Detecting Anomalies in Wireless Networks – International Journal of Creative Research Thoughts, Volume 13, Issue 1
- Pet Management System – International Journal of Creative Research Thoughts, Volume 13, Issue 1
- Web Scraping Agents: Challenges, Techniques, and Applications – International Journal of Research Publication and Reviews, Volume 6, Issue 6
- Enhancing Dark Image Exposure – International Journal of Innovative Research in Technology, Volume 10, Issue 12
- MedApp: An Application for Patient's Personal Medical History Maintenance – International Conference on Innovations in Engineering and Technology
- An Android-based Therapeutic History Maintenance Application – Grenze International Journal of Engineering & Technology (GIJET), Volume 9, Issue 1

Conferences:

- Presented a paper titled "An Android Based Therapeutic History Maintenance Application" at the Sixth International Conference on Artificial Intelligence and Soft Computing (AISC 2022) held on November 26–27, 2022, in Kochi, India.
- Presented a paper titled "Security Issues in MQTT Protocol used in IoT Devices" at the 8th National Conference on Recent Trends in ABCD (ICON'23) organized by Dr. M.G.R. Educational and

Research Institute, Chennai, held on March 23–24, 2023.

- Presented a paper titled "SOLUTIONS FOR IOT COMMUNICATION PROTOCOLS: ENHANCING EFFICIENCY AND RELIABILITY - AN IN-DEPTH COMPARATIVE INSIGHT" at the 2nd International Conference on Artificial Intelligence, Computing Technologies, IoT and Data Analytics (AICTA-2024) held at NIT Raipur during November 15–17, 2024
- Presented a paper titled "MedApp: An Application for Patient's Personal Medical History Maintenance" at the International Conference on Innovations in Engineering and Technology (ICIET) in 2023.

Faculty Development Activity/Workshops

Faculty development activity:

- Attended FDP on Research and Teaching Methodologies organized by Sreepathy Institute of Management and Technology, Vavanoor in association with Indian Society for Technical education from 3rd June 2013 to 4th June 2013.
- Attended FDP on Early Career Faculty Development Program organized by Vidhya Academy of science and Technology in association with IEEE GOLD Kerala session and IEEE Educational Activities Board from 4rd November 2013 to 8th November 2013.
- Attended FDP on Research Methodology organized by KTU from 24th August 2022 to 26th August 2022.
- Attended FDP on Edge based IoT for Industrial Applications organized by JCET and ICT Academy, Kerala from 19th January 2023 to 25th January 2023.

Workshops:

- Attended the workshop on Research and Teaching Methodologies organized by Indian Society for Technical Education (ISTE) in the year 2013.
- Attended the Early Career Faculty Development Program organized by IEEE Educational Activities Board (EAB) in the year 2013.
- Attended the SAKSHAM - IT Champion Training Program organized by Microsoft in the year 2015.
- Attended the Open Source Technologies Training Program organized by Computer Society of India (CSI) and FFSC in the year 2016.
- Attended Tech Surge 2018 - An institution industry interaction program organized by Livewire India in the year 2018.
- Attended a workshop on Python programming and Machine Learning organized by Sahrdaya College of Engineering and Technology in the year 2018.

- Completed 13 online courses including international certification programs and 3 workshops during the Lockdown period. (March to August 2020).
- Perusing Red Hat Certified System Administrator from IPSR from September onwards.
- Completed 9 webinars, 3 online courses and 2 workshops during the Second Lockdown period. (May to June 2021).

Certification Course:

- Completed Professional in Multimedia (PIM) Course from Arena Multimedia.
- Completed the customized course on Python for Engineering college faculties from LIVEWIRE ACADEMY.
- Completed an online course on English for effective business speaking from The Hong Kong University of science and Technology in April 2020.
- Completed an online course on Object oriented programming with Java from Coursera in May 2020.
- Completed an online course on Custom Prediction Routine on Google AI Platform from Coursera in May 2020.
- Completed an online course on Introduction to project management from Coursera in May 2020.
- Completed an online course on Programming for Everybody from University of Michigan- Coursera in May 2020.
- Completed an online course on Regression using Tensor Flow from Coursera in May 2020.
- Completed an online course on Building Basic Relational Databases in SQL server Management studio from Coursera in May 2020.
- Completed an online course on Building Relational Database Table using SQLite Studio from Coursera in May 2020.
- Completed an online course on Introduction to Relational Database and SQL from Coursera in May 2020.
- Completed an online course on Linear Regression with NumPy and Python from Coursera in May 2020.
- Completed an online course on Logistic Regression with NumPy and Python from Coursera in May 2020.
- Completed an online course on Beginning SQL Server from Coursera in May 2020.

Achievements and responsibilities handled:

- Member of mentoring and monitoring committee, C.B.S.E. in S.N.G.M. Senior Secondary School, Thuravoor in the year 2012.
- Awarded for faithful service rendered from S.N.G.M. Senior Secondary School, Thuravoor in the year 2013.

- Placement committee member at SIMAT engineering college from June 2013.
- System Administrator in charge at SIMAT engineering college.
- Class tutor in charge & Mentor for a group of B-Tech students at SIMAT engineering college from June 2013.
- Website committee member and Domain mail system manager at SIMAT engineering college from June 2013.
- Placement Coordinator for the Department since June 2024 at DSATM, Bangalore.
- Red Hat Academy Head at DSATM, Bangalore.

Contact Details

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