

Name of Faculty Ms. K. SWATHI
 Designation Asst. Professor
 Nature of Job/Appointment Regular
 Date of Joining 26 - 08 – 2006
 E-mail kswathi_it@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (CSE)	Pursuing
PG	M. Tech. (CSE)	Distinction
UG	B. Tech. (IT)	Distinction

Work Experience

Teaching 16 Years
 Research 05 years
 Industry --
 Others --

Area of Specialization Machine Learning, Deep Learning, Computer Vision

Professional Memberships Member, International Association of Engineers - IAENG
 Number: 219871

Responsibilities held at Institution Level
 1. Member of the Technical Committee for the College Website.
 2. Member, Institute level Alumni Committee.

Responsibilities held at Department Level
 1. Member, A 2-Day National Workshop on "Research Opportunities in Computer Science and Information Technology- 2013" Organized by the Department of Information Technology Under TEQIP-II, 6th & 7th February 2013(supported by ISTE).
 2. Member, A 2-day national conference titled "National Conference on Recent Trends in Information Technology 2013 - NCRTIT'13" Organized by the Department of Information Technology under TEQIP-II, 22nd & 23rd March 2013.
 3. Co-Coordinator, TECSTASY-2016.
 4. Timetable in charge (2017-18, 2018-19).
 5. NBA Criteria-6 in charge.
 6. Member, BOS, BE (IT).
 7. SPOC, UAP program of Pega Systems.
 8. Head, Course Expert Group.
 9. Member, Cyber Security Center of Excellence, Digintrude & CBIT, Hyderabad.
 10. IT lab1-Incharge
 11. Class Teacher IT3 (2020-2024)

Research Guidance --

Awards Received
 1. Certified SCJP 1.5 Java Programmer in Jan-2008,
 2. CSA (Certified System Architect-Pega) on 16th December-2015

Courses Handled at Under Graduate / Post Graduate Level.
 Deep Learning, Data Analysis and Visualization, AIML Tools and Techniques, Discrete Mathematics and Applications, Theory of Automata, Computer Networks, Artificial Intelligence, Information Security, VLSI Design, Grid Computing, Software Engineering, Electronic Communication Techniques, Digital Instrumentation and Control, Programming languages like C, C++, and JAVA at the undergraduate level.

No. of Papers Published
 National Journals – 2 International Journals – 3
 National Conference – 2 International Conference – 1

Projects Carried out --

- | | |
|---------------------|--|
| Patents | <ol style="list-style-type: none"> 1. Application Number: 202241029227A
Title of the Invention: A Sun direction-aware solar panel with an AI-enabled system for optimal performance
Date of Publishing: 27-05-2022 2. Application Number: 2020101863
Title of the Invention: IoT-Based Micropayment Protocol for Wearable Devices with Unique Verification
Date of Publishing: 09.09.2020 |
| Technology Transfer | <ol style="list-style-type: none"> 1. Delivered lectures and provided hands-on training to B.E. 3/4, II Semester students of IT and CSE departments from 30.12.2015 to 30.06.2016, for "Pega Certified System Architect (CSA Version 7.1)" under Pega's University Academic Programme jointly organized by Dept. of IT, Dept. of CSE & Pega System World Wide India Pvt. Ltd., Hyderabad at CBIT. 2. Conducted Hands-on training to B.E. 4/4, II Semester Pega selected students of IT and CSE departments from 09.12.2016 to 11.02.2017, for "Pega Certified Senior System Architect (CSSA Version 7.1)" under Pega's University Academic Programme jointly organized by Dept. of IT, Dept. of CSE & Pega System World Wide India Pvt. Ltd., Hyderabad at CBIT. |

Invited Speaker --

No. of Books/Chapter Published with details --

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

1. Attended FDP on "Digital Image Processing using MATLAB" from 20th to 24th Feb-2023 organized by Institute for Engineering Research and Publication.
2. Organized Alumni talk on "Cloud computing and DevOps" on 06-02-2021.
3. Attended "International AI Congress presents AI for excellence" on 25th and 26th June 2021 organized by CVR College of engineering.
4. Attended FDP on FDP on Research areas in AI&ML with case studies 14th June 2021 to 20th June 2021 organized by GRIET.
5. Attended FDP on Machine Learning and Deep Learning for Video Analytics on 02nd Nov 2020 to 06th Nov 2020 organized by Mangalore University.
6. Attended IIC Online Sessions to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28th April to 22nd May 2020 organized by the Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi.
7. Online ATAL FDP on Blockchain Technologies organized by Punjab Engineering College from May-11th till May-15th 2020.
8. Online FDP on "Artificial Intelligence" organized by CBIT from 22-05-2020 to 25-05-2020.
9. Online FDP on "Research Challenges and Opportunities Post COVID-19 (RECOP 2020)" organized by Research & Development Cell and Institution's Innovation Council of Sri Vasavi Engineering College (Autonomous) during 4th -9th May 2020.
10. Online 2-week STTP on "Cyber Security" from 08-06-2020 to 19-06-2020 organized by NITTR, Chandigarh.
11. Attended 2-days Workshop on "Topics in Linear Algebra & Machine Learning" on 12th - 13th October, 2017, University of Hyderabad.
12. Attended 2-days Workshop on "Interface of statistical Analysis using 'R'" on 9th and 10th of February 2018.
13. Attended 2-days tutorial on "Machine Learning and Evolutionary optimization - Foundations, Recent Trends and Future Challenges" on 24th and 25th March 2018.
14. Attended 2-days International Workshop on Big Data and Machine Learning IWBDML-2017 27th - 28th March, 2017.
15. Attended 2-days National level Workshop on "IOT using Raspberry Pi-3" 6th - 7th March, 2017.
16. Participated in "Teacher's Convention" held on occasion of 17th foundation day celebration of the institute on 09th September-2016 organized by Vivekananda Institute of Human Excellence, Ramakrishna Math, Hyderabad.
17. Attended 2-weeks hands on "Pega Certified Senior System Architect (CSSA 7.1)" certified Programme held during 13th June- 25th June-2016. organized by Pega Systems, Hyderabad
18. Attended 1-Week National Level Faculty Development Program on "Machine Learning" under TEQIP-II during April 11th to 16th -2016 conducted at Department of Computer Science Engineering JNTUH College of Engineering, Hyderabad.

19. Attended 6-weeks training on “Train the Trainer program for University Academic Program” organized by PegaSystems,Hyderabad from 09th Nov-2015 to 19th Dec-2015.
20. Attended a 2-Days workshop on “Intelligence and Security Informatics” conducted by Dept. of CSE,CBIT. Hyderabad during 24th-25th July- 2015.
21. Attended a 3-Days FDP on “English for effective communication” conducted by Dept. of Maths & Humanities,CBIT. Hyderabad during 05th-07th August- 2014.
22. Attended 4-weeks Orientation course conducted by UGC Academic Staff College, Osmania University, Hyderabad during 02nd June -30th July 2014.
23. Attended 3-weeks Refresher course on Information Technology conducted by UGC Academic Staff College, Osmania University, Hyderabad during 24th July to 14th August 2013.
24. Attended a Faculty Development Program conducted by Mahindra Satyam Learning World, Hyderabad during 21st-29th June 2012.
25. Attended a 3-day workshop on “Web Technologies” conducted by IT dept., Vasavi College of Engineering during 21st-23rd December 2011.
26. Attended a 1-day National workshop on “Technological Foundations for Research in Computer and Information Sciences.” organised by Dept.of CSE,CBIT on 8th May 2010.
27. Attended 2- day workshop on “Networking and Web management Technologies” hosted by Matrusr Institute of Post Graduate Studies on 26th & 27th March 2010.
28. Attended a workshop on “Industry Oriented Software Engineering” conducted by Dept. of IT, MJCET and WIPRO during 25th-26th March 2008.
29. Attended a Workshop on “Microsoft .NET” conducted by Dept. of CSE, Vasavi College of Engineering, Hyderabad during 10th-12th March 2008.

Details of Journal Publications/ Conferences (**National and International**)

National /International Journal :

1. Published a paper on “Quality assessment of hand washing using transfer learning” in Mukth Shabd Journal Vol.X, Issue VI, Jun-2021.
2. Published a paper on “Eye gaze Communication and Tracking Systems” in International journal of Engineering and Techniques (IJET) 2395-1303 Vol.7, Issue 3, Jun-2021.
3. Published a paper on “Video data integrity using cryptocurrency” in UGC-approved journal ASL journal, Volume 26, Number 05, May-2020, E-ISSN:1936-7317
4. Published a paper on “Non-Contact Pulse Detector using Video Analytics” in Scopus indexed UGC Approved International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-5, March 2020.
5. Published a paper on "Dynamic traffic signaling using video analytics" in UGC Approved-International journal of computational Engineering Research(IJCER) Issue No:09th Sep-2018, ISSN:2250-3005.

National and International Conference

1. Presented a paper on “Project Based Learning in Discrete Mathematics” in NCPHE-2022 (National Conference on Pedagogy for Higher Education) on 25th June-2022 organized by MKSS's Cummins college of Engineering for Women, Pune.
2. Presented a paper on “Taxonomy of polymer samples using machine learning algorithms” in 4th - International Conference on Innovations In Computer Science & Engineering (ICICSE - 2016) In Collaboration with Computer Society of India(CSI), at Guru Nanak Institute Of Technology Hyderabad on 22nd and 23rd July-2016, and accepted paper published in Springer LNNS Series Volume-8 PP 265-275.
3. Presented a paper on “Trust management for IOT: A Survey” in 5th National Conference on Computer Networks and Information Security(NCCNIS-2016) on 6th & 7th April-2016 at Vasavi Engineering College, Hyderabad.