

Name of Faculty	Mrs. E. SWATHI		
Designation	Assistant Professor		
Nature of Job/Appointment	Regular		
Date of Joining	30-07-2015		
E-mail	eswathi_cse@cbit.ac.in		
Education Qualifications	Ph. D	Name of the Degree	Class
	PG	Pursuing	Distinction
	UG	M. Tech. (CSE)	Distinction
Work Experience		B. E. (CSE)	
Teaching	11 Years		
Research	10 years		
Industry	--		
Others	9 Months		
Area of Specialization	Information Retrieval Systems, Recommender Systems		
Professional Memberships	Life time member, CSI, Number: I1510495, IAENG		
Responsibilities held at Institution Level	<ol style="list-style-type: none"> Attendance in-charge of III sem CSE-5 in the academic year 2025-26. Class in-charge of VIII sem CSE-3 in the academic year 24-25. Coordinator for Techfest HEADSTART-2025. Time table in-charge from November 2023 till May 2024. Attendance in-charge of IV sem CSE-3 in the academic year 2021-22. Attendance in-charge of III sem CSE-1 in the academic year 2021-22. Student online attendance portal during 2020-2022 academic year. Class in-charge of VI sem CSE-3 in the academic year 2020-21. Student online attendance portal during 2019-2021 		
Responsibilities held at Department Level	--		
Research Guidance	--		
Awards Received	--		
Courses Handled at Under Graduate / Post Graduate Level.	Data Structures, DCCN, LST, Machine learning using Python, Java programming, Programming and problem solving, Web Technologies, OOP in C++		
No. of Papers Published	National Journals - 0	International Journals - 6	
	National Conference - 01	International Conference - 03	
Projects Carried out	--		
Patents	--		
Technology Transfer	<ol style="list-style-type: none"> Trainer for Full Stack Development online training program conducted in CBIT in the year 2023. Delivered a session on the topic of "Sets, Dictionaries in Python" on 28th June 2023 as part of the Summer Internship Program on Python and Image Processing using OpenCV and Innovative Projects held at CBIT. Trainer for InfyTQ online training program conducted in CBIT in the year 2021. 		
Invited Speaker			



No. of Books/Chapter Published with details

1. A book chapter on "Impact of Social Media Marketing Communications on Teenagers' Attitudes: An Exploratory Study" published in a book **Digital Transformation in the Customer Experience** in 2024.

2. Authored a book with the title "Blockchain Technology and Commercial Applications" in 2023.

1. Completed a 1-week FDP on Deep Learning Approaches for Intelligent Recommendation Systems at Vasavi College of Engineering from 18/11/2024 to 23/11/2024.

2. Participated in 1-Week Online International FDP on Applied Deep Learning organized by CBIT from 19th to 24th May 2025.

3. Two-Week online Summer School on "Generative AI and Large Language Models" organized by CBIT during 19th May, 2025 to 30th May, 2025.

4. Two Week Winter School on Computer Vision and Speech Processing. Organized by the CBIT(A), Hyderabad - during 9th to 21st December 2024.

5. Completed a 8-week NPTEL course on Programming, Data Structures and Algorithms using Python conducted during Jul-Sep 2024.

6. Completed a 12-week NPTEL course on Problem Solving Through Programming in C during Jul-Oct 2024

7. Successfully Completed Online FDP on "Introduction To Machine Learning - IITKGP" offered by NPTEL during July – Sept. 2023.

8. Successfully Completed Online FDP on "Programming in Java" offered by NPTEL during July – Oct. 2023.

9. Attended a two week online FDP "Big Data Analytics" organized by ExcelR solutions in October,2023

10. Participated a one week FDP on "Machine Learning in Big Data Applications and Security Challenges" organized by MLR Institute Of Technology during 24th - 29th April, 2023.

11. Participated in a one week online FDP on "Data Science using Python" organized by NITTTR, Chandigarh during 10/10/2022 to 14/10/2022.

12. Attended a one week online FDP on "MATLAB for Science and Engineering Teachers" organized by NITTTR, Chandigarh during 01/08/2022 to 05/08/2022.

13. Participated in a One Week Online FDP on "Recent Trends and Challenges in Intelligent System and Machine(RTCISM)" organized by Amity School of Engineering and Technology(ASET), Amity University Patna from 01/08/2022 to 05/08/2022.

14. Participated in a One Week Online FDP on "Emerging Trends in Artificial Intelligence" organized by Bhimavaram Institute of Engineering & Technology and Blackbuck Engineers Pvt Ltd from 25-31 May, 2022.

15. Attended a STTP on "Cyber Security" during 16th to 20th May 2022 organized by CBIT.

16. Attended a 40-hours online program on "Data Science for ALL" jointly organized by the Electronics and ICT Academies at IIT Roorkee, MNIT Jaipur, NIT Patna, PDPM IIITDM Jabalpur and NIT Warangal during March 22 – April 1, 2022.

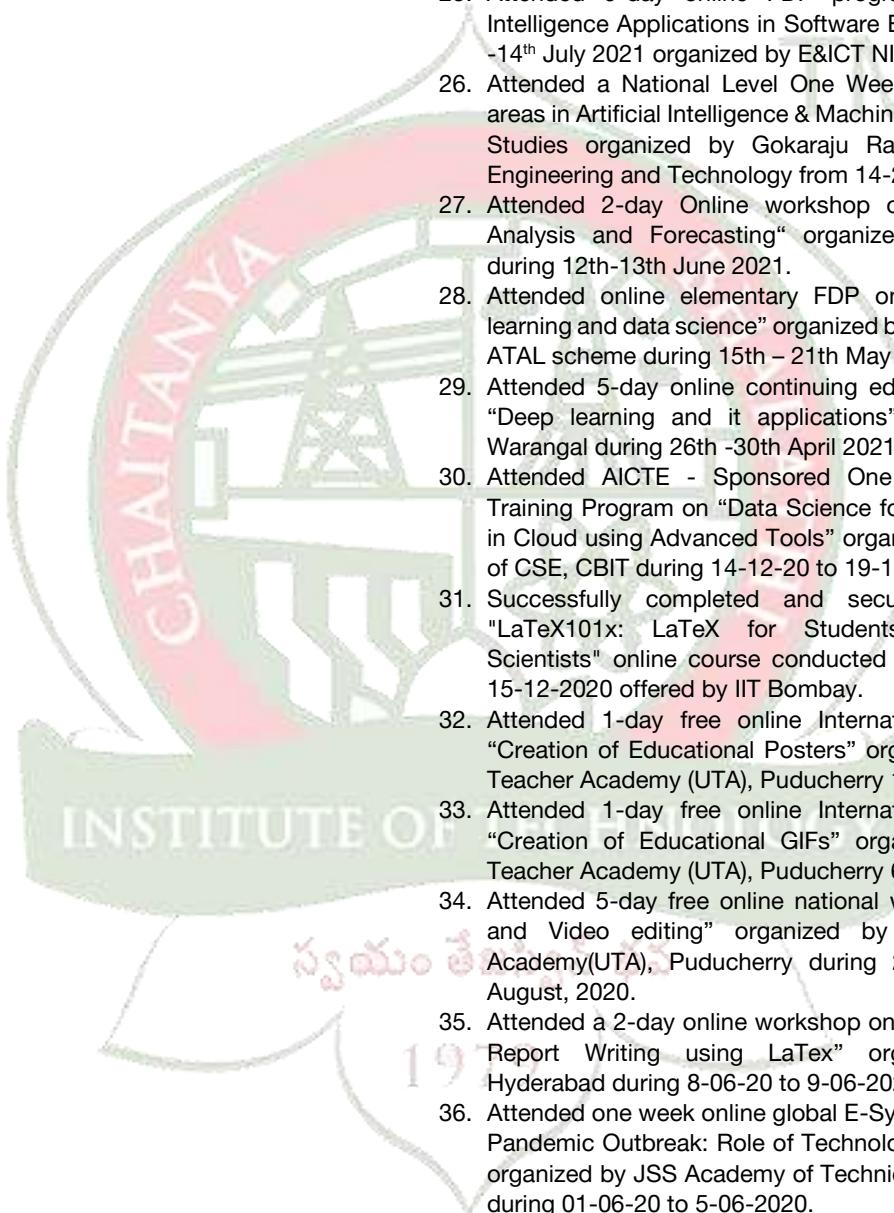
17. Attended 8-hours FDP on "Microsoft Azure Data Fundamentals" organized by epitome.ai during 29th March to 31st March 2022.

18. Attended 8-hours FDP on "Microsoft Azure ML and AI" organized by epitome.ai during 15th March to 17th March 2022.

19. Completed online 7-Day "Design Thinking" course organized by Turnip Innovations during 7th March to 13th March,2022.

20. Attended a webinar on "Natural Language Processing: Applications and Challenges" organized by CBIT on 11th March.

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



21. Completed successfully AICTE Training And Learning (ATAL) Academy Online Advanced FDP on "Data Science with Statistical Methods using R Programming- Basic Course" from 10/01/2022 to 14/01/2022 at Amity University Uttar Pradesh, Lucknow Campus.
22. Attended a state conference for Academicians and Researchers organized by Swecha on 28/11/21.
23. Attended 5-day ATAL Academy Online Elementary FDP on "Computational Oriented Numerical Analysis" from 23/08/2021 to 27/08/2021 at Samrat Ashok Technological Institute.
24. Attended 5-day online FDP on "Inculcating Universal Human Values in Technical Education" organized by AICTE from 16th – 20th August 2021.
25. Attended 9-day online FDP programme on "Artificial Intelligence Applications in Software Engineering" from 6th -14th July 2021 organized by E&ICT NIT Warangal.
26. Attended a National Level One Week FDP on Research areas in Artificial Intelligence & Machine Learning with Case Studies organized by Gokaraju Rangaraju Institute of Engineering and Technology from 14-20 June 2021.
27. Attended 2-day Online workshop on "COVID-19 Data Analysis and Forecasting" organized by Finland Labs during 12th-13th June 2021.
28. Attended online elementary FDP on "Applied machine learning and data science" organized by IIIT Dharwad under ATAL scheme during 15th – 21th May 2021.
29. Attended 5-day online continuing education program on "Deep learning and its applications" organized by NIT Warangal during 26th -30th April 2021
30. Attended AICTE - Sponsored One Week Short Term Training Program on "Data Science for Big Data Analytics in Cloud using Advanced Tools" organized by Department of CSE, CBIT during 14-12-20 to 19-12- 2020
31. Successfully completed and secured grade A+ in "LaTeX101x: LaTeX for Students, Engineers, and Scientists" online course conducted from 15-07-2020 to 15-12-2020 offered by IIT Bombay.
32. Attended 1-day free online International workshop on "Creation of Educational Posters" organized by Universal Teacher Academy (UTA), Puducherry 13-09-2020.
33. Attended 1-day free online International workshop on "Creation of Educational GIFs" organized by Universal Teacher Academy (UTA), Puducherry 6-09-2020.
34. Attended 5-day free online national workshop on "Audio and Video editing" organized by Universal Teacher Academy(UTA), Puducherry during 21-08-20 to 25-08-August, 2020.
35. Attended a 2-day online workshop on "Effective Technical Report Writing using LaTeX" organized by MGIT, Hyderabad during 8-06-20 to 9-06-2020
36. Attended one week online global E-Symposium on "Global Pandemic Outbreak: Role of Technology and Automation" organized by JSS Academy of Technical Education, Noida during 01-06-20 to 5-06-2020.
37. Attended one-week online FDP on "Outcome Based Education and NBA Accreditation Process (UG)" organized by CBIT during 28-5-2020 to 1-6-2020.
38. Participated the Leadership Talk with Dr. Nilesh N oak held on 30-05-2020 conducted by MHRD's Innovation Cell
39. Participated the Leadership Talk with Mr. Maheh Babu held on 23-05-2020 conducted by MHRD's Innovation Cell
40. Participated in the IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28-04-20 to 22-05- 2020.
41. Attended one-week online FDP on "FDP on Artificial Intelligence and Machine Learning" organized by CMR

Technical Campus, Hyderabad during 18th – 22nd May 2020.

- 42. Participated the Leadership Talk with Dr. Pramod Chaudhari held on 16-05-2020 conducted by MHRD's Innovation Cell
- 43. Attended one-week online FDP on “Outcome Based Education: A Step Towards Excellence” organized by Govt. College of Engineering, Karad during 11-05-20 to 15-05-May 2020.
- 44. Participated in the Leadership Talk with Prof. D. P. Singh held on 9th May 2020 conducted by MHRD's Innovation Cell
- 45. Participated the Leadership Talk with Dr. Madhuri Kanitkar held on 2nd May 2020 conducted by MHRD's Innovation Cell
- 46. Completed 12-week NPTEL course on “Computer Networks and Internet Protocols” offered by IIT Kharagpur during Jan-April, 2020.
- 47. Completed 8-week NPTEL course on "Data Mining " offered by IIT Kharagpur during Jan-April, 2020.
- 48. Completed 8-week NPTEL course on "NBA Accreditation and Teaching – Learning in Engineering (NATE) " offered by IISc Bangalore during Jan-April, 2020.
- 49. Attended 5 days' school on "Machine Learning, Deep Neural Networks and ASR(ASR-19)" at NERTU, Osmania University, During 8-12 March 2020.
- 50. Attended a conference on "International Conference on Algorithms and Discrete Applied Mathematics (CALDAM 2020)" IIT Hyderabad, During 13th – 15th February 2020.

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

International Journal

- 1. Edem, S., & Yadav, B. R. N. (2025). Long-term user engagement in recommender systems: a review. Indonesian Journal of Electrical Engineering and Computer Science, 38(3), 2050-2058.
<http://doi.org/10.11591/ijeecs.v38.i3.pp2050-2058>
- 2. Swathi Edem(2023) "Design and Implementation of Smart Manufacturing Systems Through AR for Data Driven Digital Twin System" published in SN COMPUT. SCI. 4, 580 (2023) with DOI
<https://doi.org/10.1007/s42979-023-01956-1>.
- 3. Edem Swathi(2021) “ Handwritten Telugu Script Recognition: A Deep Learning Approach”, The GIS Science Journal, volume 8, issue 11, pg 1466-1474, 2021
- 4. Edem Swathi(2021) “A Survey on Deep Learning Approaches to Recognize Handwritten Telugu Character”, The International journal of analytical and experimental modal analysis, V13(6),364-367.

International /National Conferences

- 1. Swathi, S. E., & Vanga, A. R. (2024, March). Transformers-based Python Code Generation from Natural Language. In 2024 5th International Conference on Innovative Trends in Information Technology (ICITIIT) (pp. 1-4). IEEE.
<https://doi.org/10.1109/ICITIIT61487.2024.10580762>
- 2. Maddi, V., Kasala, V., & Swathi, S. E. (2023). Enhancing Underwater Images with MultiScale Residual Attention Network. 14th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2023, 2023-June, pp. 2304 – 2308.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174279140&partnerID=40&md5=ff036a4570683ed1ef7116d1a4b35560>
- 3. Rana, Madhurima, and Swathi Edem. "An Efficient Deep Learning Based Approach for Malware Classification." Machine Learning Technologies and Applications: Proceedings of ICACECS 2020. Springer Singapore, 2021.
https://doi.org/10.1007/978-981-33-4046-6_19