Name of Faculty	Smt. Satya Kiranmai Tadepalli	
Designation	Assistant Professor	
Nature of Job/Appointment	Regular	
Date of Joining	24 - 06 - 2019	
E-mail	tskiranmai_aids@cbit.ac.in	

Education Qualifications	**Name of the Degree**	**Class**
Ph. D	Doctor of Philosophy	Awarded
PG	M. Tech. (SE)	First Class with Distinction
UG	B. Tech. (IT)	First Class

Work Experience	
Teaching	14 Years
Research	--
Industry	--
Others	--
Area of Specialization	Data Mining, Machine Learning, Data Analytics
Professional Memberships	--
Responsibilities held at Institution Level	--
Responsibilities held at Department Level	1. Department Student Mentoring in charge 2. Class Co-Ordinator for BE 2nd Year AI&DS-1 3. Member at Course Expert Group 4. Faculty In-charge for Faculty Activities
Research Guidance	--
Awards Received	--
Courses Handled at Undergraduate / Post Graduate Level.	ES&IoT, Software Engineering, DBMS, OOAD, Operating Systems, Data Warehousing and Data Mining, Cloud Computing, Programming in C, Software Testing, Software Project Management, Distributed Systems, Embedded Systems and IoT, Data Analytics and visualization using Python
No. of Papers Published	National Journals – International Journals – 19 National Conference – International Conference – 08
Projects Carried out	--
Patents	--
Technology Transfer	--
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**).	WS/ Seminars/ Conferences/ STTPS/ FDPs Attended 1. Successfully Completed a 7 weeks course in Coursera "Programming for Everybody (Getting Started with Python)" 2. Successfully Completed TEQIP 2-week Online Certification on Digital Transformation in Teaching Learning process from Feb 14-March 6,2020 3. Successfully Completed Data Analytics using Python online course conducted by NPTEL under Swayam Platform 4. Successfully Completed NATE online course conducted by NPTEL under Swayam Platform 5. Attended an Online 10-days FDP on Deep Learning organized by IIT-Roorkee from 4-13 May 2020 6. Attended an Online one-week FDP on Outcome based Education organized by Scheme of AICTE, New Delhi from 11-15 May 2020

7. Attended an Online 5 days FDP on AI and ML organized by CMRTC from 18-22 May 2020
8. Attended a 5 Days Faculty Development Program on "Data Science" Aug- 05-09, 2019 organized by E & ICT Academy and IT department, CBIT, Hyderabad.
9. Attended One Week Online FDP on "Outcome Based Education & NBA Accreditation Process - (UG) " from 28-05-2020 to 01-06-2020, organized by CBIT(A), Gandipet, Hyderabad.
10. Attended an Online FDP on "Artificial Intelligence " organized by CBIT from 22-25 May 2020.
11. Attended an Online 4-day workshop on Blockchain Technologies and Smart Contracts from 3-6 May 2020
12. Attended an Online 3-day FDP on Recurrent Convolutional Neural Network organized by KHRIT in collaboration with CSI from 14-16 May 2020
13. Attended an Online Workshop on Effective and efficient online teaching in the age of corona by IIT, Bombay on 17 May 2020

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

International/ National Journals from the Year 2017

1. Ms. T. Satya Kiranmai Published a paper titled "A Survey on Collaborative and Effective Implementation of Augmented Reality (AR) Interactive Learning Application", in Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing, Cognitive Science and Technology, November 2023
2. Ms. T. Satya Kiranmai Published a paper titled "Behavioral Cloning enabled Autonomous Vehicle Lane Line Detection Using Nvidia Convolution Neural Network Model", in Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing, Cognitive Science and Technology, November 2023
3. Ms. T. Satya Kiranmai Published a paper titled "An Entropy enabled Random Forest Neural Network Algorithm to Grade the Reproductive System for Efficient Early Detection of Infertility", in Proceedings of the 2023 IEEE 5th International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA), January 2024
4. Ms. T. Satya Kiranmai Published a paper titled "A Comparative Study on Prediction of Endometriosis Causing Infertility Using Machine Learning Techniques: in Detail ", in International Journal on Recent and Innovation Trends in Computing and Communication, Volume:11, Issue no. 4, March 2023
5. Ms. T. Satya Kiranmai Published a paper titled "3D Convolution Neural Network Based Ensemble Model to Detect Endometrium Issues at Early Stages and Enhance Fertility Chances in Women", in Design Engineering, Volume:2021, Issue no. 7, July 2021.
6. Ms. T. Satya Kiranmai, Preethivardhan Anusri Ega, Pavan Kalyan Inugurthi Published a paper titled "INDOOR NAVIGATION USING AUGMENTED REALITY" in International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), Volume:2021, Issue no. 7, August 2021.UGC Journal No : 64718, ISSN : 2456-3307, Impact Factor = 6.135
7. Kiranmai, T. S., & Lakshmi, P. V. (2021). A Comprehensive and Systematic Literature Review of Computational Intelligence Algorithms to Diagnose and Predict Female Infertility. Annals of the Romanian Society for Cell Biology, 5926-5943.
8. Tadepalli S.K. (2021) Instrument Recognition in Polyphonic Music Using Convolutional Recurrent Neural Networks. In Proceedings of International Conference on Intelligent Computing, Information and Control Systems (pp. 449-460). Springer, Singapore.
9. Kiranmai, T. S and Kratika Sharma (2021). Recognition and Annotation of Places Of Interest. International Journal of Research and Analytical Reviews (IJRAR), Volume 8 Issue 2, April 2021-IF-5.75
10. Kiranmai, T. S (2021). Glaucoma Detection using Convolution Neural Networks. International Journal of All Research Education and Scientific Methods (IJARESM),Volume 9, Issue 5, May -2021---IF-7.4
11. Kratika Sharma and Kiranmai, T. S, "Prediction of Cardiovascular Diseases Using Genetic Algorithm and Deep Learning Techniques", International Journal of Emerging Trends in Engineering and Development, Issue 11, Vol.3, May 2021.
12. Kratika Sharma and Kiranmai, T. S, "Plant Disease Detection and Comparision Using Deep Learning Techniques", International Journal of Research and Analytical Reviews, Issue 2, Vol.7, June 2020.
13. Harika, G. & Kiranmai, T. S. (2020, June). Cloud-based Internet of things for Smart Water Consumption Monitoring System. In 2020 5th International Conference on Communication and Electronics Systems (ICCES) (pp. 967-972). IEEE.
14. kiranmai Tadepalli, S., & Lakshmi, P. V. (2020). Deep Learning in IVF to Predict the Embryo Infertility from Blastocyst Images. In ICCCE 2020 (pp. 1507-1515). Springer, Singapore.
15. Tadepalli, S. K., & Lakshmi, P. V. (2019). Application of Machine Learning and Artificial Intelligence Techniques for IVF Analysis and Prediction. International Journal of Big Data and Analytics in Healthcare (IJBDAH), 4(2), 21-33.
16. Swetha K, Tadepalli S. K, (2017) "Data annotation in large-scale datasets with supervision", International journal of science Research in computer science, engineering and information Technology, Volume-2/Issue-6/2456-3307
17. Tadepalli S. K. Swetha K, (2017) "A survey on user behavior clustering in multimedia social networks", International journal of engineering and Research in computer science and engineering, Volume-4/Issue-11/2394-2320

18. Tadepalli S. K. Swetha K, (2017) "Secure User generated content with data processing in Big data Application", International journal of Research, Volume-4/Issue-10/2348-6848
19. Swetha K, Tadepalli S. K, (2017) "SQL-Style Processing Geo-Distributed Framework", International journal of Research, Volume-4/Issue-10/2348-6848

International Conference Proceeding Publications/National Conferences from the Year 2017

1. presented a paper on " An Entropy enabled Random Forest Neural Network Algorithm to Grade the Reproductive System for Efficient Early Detection of Infertility " , in 2023 IEEE 5th International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA) " organized by 7-8 October 2023, CMRIT, Hyderabad, India
2. Presented a paper on "Behavioral Cloning enabled Autonomous Vehicle Lane Line Detection Using Nvidia Convolution Neural Network Model", in 2nd International Conference on Cognitive and Intelligent Computing (ICCIC 2022), held in Vasavi College of Engineering on 27th-28th December 2022
3. Presented a paper on "A Survey on Collaborative and Effective Implementation of Augmented Reality (AR) Interactive Learning Application", in 2nd International Conference on Cognitive and Intelligent Computing (ICCIC 2022), held in Vasavi College of Engineering on 27th-28th December 2022
4. Presented a paper on Instrument Recognition in Polyphonic Music Using Convolutional Recurrent Neural Networks. In: Proceedings of International Conference on Intelligent Computing, Information and Control Systems. Advances in Intelligent Systems and Computing, vol 1272. Springer, Singapore. https://doi.org/10.1007/978-981-15-8443-5_38
5. Presented a paper on "Smart Water Consumption Monitoring System using IoT, Android and Cloud Computing" in the 5th International Conference on Communications and Electronics Systems (ICCES 2020) organized by PPG Institute of Technology, Coimbatore, Tamilnadu, India during 10-12 June 2020. (Scopus - IEEE)
6. Presented a paper "Deep learning in IVF to predict the embryo infertility from blastocyst images" in the 2nd International Conference on Communication, Computing and Electronics (ICCCE 2020) organized by CMR Engineering College, Hyderabad, India during 1-2 Feb 2020.
7. Presented a paper "Smart Water Consumption Monitoring System using IoT, Android and Cloud Computing" in the 5th International Conference on Communications and Electronics Systems (ICCES 2020) organized by PPG Institute of Technology, Coimbatore, Tamilnadu, India during 10-12 June 2020. (Scopus - IEEE)
8. Presented a paper "Instrument Recognition in Polyphonic music using Convolutional Recurrent Neural Networks" in the 2nd International Conference on Intelligent Computing, Information and Control Systems (ICICCS 2020) organized by Mallareddy College of Engineering, Secundrabad, Hyderabad, India during 25-26 June 2020. (Scopus - Springer)

Patents
1. Mrs.T. Satya kiranmai has published a Patent titled "Machine Learning Enthused Farming Model for Precision Agriculture" Published on 26/02/2021 with Application No.202141007260 A
2. Mrs.T. Satya kiranmai has published a Patent titled "IML- TRAFFIC PREDICTION: INTELLIGENT TRAFFIC PREDICTION USING MACHINE LEARNING" Published on 31/07/2020 with Application No.202041027655 A
3. Mrs.T. Satya kiranmai has published a Patent titled "AN ARTIFICIAL INTELLIGENCE (AI) ENABLED FRAMEWORK FOR EARLY DETECTION OF ENDOMETRIUM CANCER CAUSING FEMALE INFERTILITY " Published on 18/03/2022 with Application No.202241012408 A