Name of Faculty	Mrs. Kalpana Ettikyala	
Designation	Assistant Professor	
Nature of Job/Appointment	Regular	
Date of Joining	25/08/2006	
E-mail	ekalpana_cse@cbit.ac.in,	

Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (CSE) in JNTUH Kukatpally, Hyderabad	Pursuing
PG	M. Tech. (CSE)	Distinction
UG	B. Tech. in CSIT	First
Diploma	ECE	First

Work Experience	
Teaching	19 Years
Industry	03 months
Others	04 Months
Area of Specialization	Virtualization in cloud computing
Professional Memberships	CSI Lifetime membership ID – I1504162, Internet Society membership ID: 2257193, International Association of Engineers ID: 322877
Responsibilities held at Institution Level	Member in Career Guidance Cell
Responsibilities held at Department Level	- Member, Course Expert Group, Programming & Technology group - UG NBA Criterion 7 member - CSE Honours degree coordinator - CSE Lab-6 Incharge - NAAC Criterion 1 member
Courses Handled at Under Graduate / Post Graduate Level.	Advanced Databases, OOP Using JAVA(T+L), Internet of Things and Applications, Free and Open Source Software(UG), Open Source Technologies(PG), Fundamentals of Cyber Security and Tools(T+L), Object Oriented Programming(Python)(T+L), Mobile Application Development, Programming for Problem Solving(C Language)(T+L), Embedded Systems(T+L), Cloud Computing, Microprocessors and Microcontrollers(T+L), Computer Architecture, Data Communications, Intranet and Internet Programming, Java lab.

No. of Papers Published	National Journals –	International Journals – 10
	National Conference –	International Conference – 06

Patents	Design Number : 458765-001 Title of the Invention : MACHINE LEARNING-BASED STRESS DETECTION DEVICE. Date of Issue : 13/08/2025

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (**Attended and/or Organized**).	1. Attended 2 week Online Summer School on "Generative AI and Large Language Models"- 19th May- 30th May 2025, Organized by CSE Dept., CBIT with IEEE Hyd. Section Computer Society Chapter.

1. Attended 2 week Online Summer School on "Generative AI and Large Language Models"- 19th May- 30th May 2025, Organized by CSE Dept., CBIT with IEEE Hyd. Section Computer Society Chapter.
2. Attended 1 week National Level online FDP on The AI beyond Frontier: Recent breakthroughs and Next-Gen Prospects-21st – 25th April 2025 Organized by CSE Dept., CBIT.
3. Conducted STTP(Value-added course) on "Salesforce CRM (Customer Relationship Management"- 29th March 2025 to 26th April 2025(every Saturday) Organized by CSE Dept., CBIT.
4. Attended 1 week National Level online FDP on "Emerging Research Trends in Computer Science"- 22nd - 26th April 2024 Organized by CSE Dept., CBIT.
5. Attended 1 week International STTP on Comprehensive Cyber Security and Ethical Hacking from Fundamental to Advanced Techniques, held from 4th March to 9th March 2024 Organized by CET Dept., CBIT.
6. Conducted 3-Day Online Workshop on "Engineering Leadership for Emerging Leaders" (25 th November, 30th November and 2nd December, 2023) Organized by CSE Dept., CBIT.
7. Attended 1 week FDP on Frontiers of Data Science in trending technologies from 9/5/2022 to 13/5/2022 organized by NITTTR, Chennai Sponsored by Ministry of Education, Govt. of India
8. Attended 1 week STTP on CyberSecurity from 16/5/2022 to 20/5/2022 organized by NITTTR, Chennai Sponsored by Ministry of Education, Govt. of India
9. Attended 5 day STTP on "BlockChain for Digital Transformation" from 12-8-2021 to 16-8-2021organized by NITTTR, Chennai Sponsored by Ministry of Education, Govt. of India
10. Attended 1 week FDP on "Multimedia for Teaching" from 7/3/2022 to 11/3/2022 organized by NITTTR, Chennai Sponsored by Ministry of Education, Govt. of India
11. Attended 1 week FDP on "Programming using Arduino and Rasberry Pi" from 21/3/2022 to 25/3/2022 organized by NITTTR, Chennai Sponsored by Ministry of Education, Govt. of India
12. Attended 1 week FDP on "Sensor applications using MyRio" from 21/2/2022 to 25/2/2022 organized by NITTTR, Chennai Sponsored by Ministry of Education, Govt. of India
13. Attended Online 5-day STTP on "Blockchain for Digital Transformation" from 12th -16th August 2021 Organized by CSE Dept., CBIT.
14. Attended Online 5-day Workshop on "Building Data-driven Solutions using Data Analytics with ML and DL algorithms" from 24th -28th June 2021 Organized by CSE Dept., CBIT.
15. Attended Online 5-day FDP on "Intelligent Systems for Sustainable Development" from 08th June-12 June 2021 Organized by CSIT Dept.,St. Peter's Engg. College, Hyd.
16. Attended Online One week FDP on "National Education Policy: Implementation Strategies" from 7th Sep. - 12th Sep. 2020 organized by OU,Hyd.
17. Attended Online One week FDP on "Recent Advances in Mathematics and Statistics" from 3rd Aug. - 8th Aug. 2020 organized by GITAM university, AP.
18. Attended Online One week National level FDP on "CyberSecurity" from 7th July - 12th July,2020 organized by MCA dept CBIT and CSE dept MGIT, Hyd.
19. Attended Online one week refresher course on "Bharateeya Chaitanyam" from 29th June- 05th July 2020 organized by Geervana Bharathi of Chaitanya Samskruthi, CBIT.
20. Attended Online 1day leadership talk by Ms. Ashwini Despande, MHRD's Innovation Cell 6th June 2020
21. Attended Online 1day leadership talk by Mr.Mahesh Babu CEO Mahindra, MHRD's Innovation Cell June 2020
22. Attended Online One week FDP on "Outcome Based Education and Accreditation process" at CBIT from 28th may- 1st june 2020.
23. Attended Online 1day leadership talk by Dr. Nilesh N Oak, MHRD's Innovation Cell 30th May 2020

24. Participated in Online Quiz conducted by ECE Dept. of HolyMary Institute of Technology and Science, Medchal 26th May 2020

25. Attended 5day National Online FDP on Artificial Intelligence organized by CSE,IT and MCA depts of CBIT from 22-26 may 2020.

26. Participated in talk and discussion "Access to Research process- schools of thought" at CBIT by CSE Dept. 18 October 2019

27. Conducted A two day national level workshop "DjangoCamp V2.0" under HeadStart2K19-Sudhee19 at CBIT by CSE and IT Dept 05-06 September 2019

28. Conducted A two day national level technical symposium "Headstart2K19" under SUDHEE19 at CBIT by CSE Dept. 13-14 September 2019

29. Presented paper "Energy Efficient VM placement for Data centers" on Research Day at CBIT 23 August 2019

30. Attended a two day workshop "Techtara" at CBIT by CSE Dept. 06-07 March 2019

31. Attended one week National level Faculty Development Programme(FDP) on "Machine Learning through mathematical modeling supported with Python & R-Soft" at MGIT in collaboration with E & ICT Academy, National Institute of technology, Warangal from 02-07 July 2018.

32. Attended One week National Level FDP on "Emerging Trends, Issues and Challenges in Big Data & Cloud Computing" CSE dept, CBIT 20-25 February 2017.

33. Attended A two day workshop on "Cloud Computing" at CBIT by CSE Dept. 7-8 September 2016.

34. Attended a two day workshop on "Next Generation Devices and Computing" at CBIT by CSE Dept. 28-29 November 2014

35. Attended Three week Refresher course on "The Current Technology Trends in IT" at JNTUH, Hyd. 09-28 June 2014.

36. Attended four week Orientation Course "38th Orientation Course" at JNTUH, Hyd. 03-29 March 2014

37. Attended one week Foundation Skills in IT(FSIT) train-the-trainer programme in "Technical skills" at JNTUCEH, Hyd. 19-26 August 2013.

38. Conducted a Two day workshop " Leading from Heart "Dept of CSE, CBIT 12-13 March 2013

39. Conducted a Two day workshop on Micro Processors and Micro Controllers Department of CSE in collaboration with Department of ECE, CBIT on 4th and 5th Jan 2012.

40. Attended one day National seminar on "Intelligent Systems" at CBIT on 10th November 2011

41. Attended one week Faculty Enablement program by Campus Connect at Infosys, Hyd. 9-12th June 2009

42. Attended One week in-house training programme on "Effective Teaching Methodology" CBIT 25-30 June 2007

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

International Journal

1. K Siva Kavya, K Varshith Chowdary, Kalpana Ettikyala, "A Comprehensive Review of Illuminating and restoring Old images using Deep Learning Techniques", International Journal of Computer Applications (IJCA), ISSN- 0975-8887, Volume-186-No.68, Feb. 2025.
2. D Snigdha, P Redhima, Kalpana Ettikyala, "Deep Learning-based Skin Cancer Detection: Increasing Medical Diagnosis Accuracy", International Journal of Computer Applications (IJCA), ISSN- 0975-8887, Volume-186-No.68, Feb. 2025.
3. Rafath Unnisa, E Kalpana (2023), "ANALYSING THE STATE OF HEALTH OF LITHIUM-ION BATTERIES USING ENSEMBLE EXTREME LEARNING METHOD", JETIR journal, May 2023, ISSN-2349-5162, Vol. 10 Issue 5, pp h70 to h76.
4. Kalpana Ettikyala, Y Vijayalata , M Chandramohan (2022) "Optimal Virtual Machine Placement Algorithm for Efficient Resource Usage and Energy saving in Cloud Data Center", Computer Integrated Manufacturing Systems, Dec. 2022, ISSN: 1006-5911, Vol 28, No 12 DOI: 10.24297/j.cims.2022.12.07,
5. Kalpana Ettikyala, Y Vijayalata , M Chandramohan (2022) "Optimal Virtual Machine Selection Algorithm for Efficient Resource Usage and Bandwidth saving in Cloud Data Center", Computer Integrated Manufacturing Systems, Dec. 2022, ISSN: 1006-5911, Vol 28, No 12 DOI: 10.24297/j.cims.2022.12.12 ,
6. Kalpana Ettikyala, Y Vijayalata (2021) "A Literature Review on Virtual Machine Selection techniques for Virtual Machine Placement", The International journal of analytical and experimental modal analysis(IJAEMA), ISSN NO:0886-9367, Volume XIII, Issue VI, pp. 2515-2518, June-2021
7. Kalpana Ettikyala, Y Vijayalata (2021) "A Review on Energy Efficient Virtual Machine Placement Techniques", Journal of Emerging Technologies and Innovative Research(JETIR), ISSN-2349-5162, Volume 8, Issue 6, pp. d540-d543, June 2021.
8. Kalpana Ettikyala, Y Vijayalata (2019) "A Study on Virtual Machine Selection, Placement and Migration Techniques", International Journal for Research in Engineering Application & Management (IJREAM), ISSN : 2454-9150, Vol-05, Issue-03, June 2019
9. Kalpana Ettikyala, Y Rama Devi (2015) "A Study on Cloud Simulation Tools", International Journal of Computer Applications (IJCA), ISSN- 0975-8887, Volume-115-No.14, April 2015, p. 18-21
10. Kalpana Ettikyala, Y Rama Devi (2015) "Energy Efficient Scheduler for Data Centers", International journal of Computing, ISSN(print):2231:2153 ISSN(online)2230:9039, Volume-5,Issue-1, Jan. 2015,p.23-25

International /National Conferences

11. T. Bhuvaneshwari, N. Ramadevi, E. Kalpana, Raman Dugyala and G. Vijendar Reddy, (2023), "A Comprehensive Survey on Face Quality Detection in a Video Frame" 4th International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED-ICMPC 2023) Volume 11, Issue VIII, Aug 2023 ISSN: 2321-9653 Published in International Journal for Research in Applied Science & Engineering Technology (IJRASET)

12. Kalpana Ettikyala, Y Vijayalata , M Chandramohan (2017) "Efficient Time Shared Task Scheduler for Cloud Computing", IEEE International Conf. on Information, Communication, Instrumentation and Control (ICICIC-2017), IEEE Bombay Section/Madhya Pradesh Sub-Section Conf. record #41237, INDORE, Madhya Pradesh, 17-19 Aug. 2017, **Electronic ISBN:** 978-1-5090-6313-0 **Print on Demand(PoD) ISBN:** 978-1-5090-6314-7 DOI**:** 10.1109/ICOMICON.2017.8279012 , *SCOPUS and WoS Indexed*
13. Kalpana Ettikyala, Y Vijayalata , M Chandramohan (2017) "Virtual Machine Schedulers for Cloud Computing", IEEE International Conf. on Information, Communication, Instrumentation and Control (ICICIC-2017), IEEE Bombay Section/Madhya Pradesh Sub-Section Conf. record #41237, INDORE, Madhya Pradesh, 17-19 Aug. 2017, **Electronic ISBN:** 978-1-5090-6313-0 **Print on Demand(PoD) ISBN:** 978-1-5090-6314-7 DOI: 10.1109/ICOMICON.2017.8279013 , *SCOPUS and WoS Indexed*
14. Kalpana Ettikyala, Y Vijayalata (2016) "Rank Based Efficient Task Scheduler for Cloud Computing" , IEEE International Conf. on Data Mining and Advanced Computing SAPIENCE-2016, KERALA,16-18 march 2016, p. 343-346, ISBN 978-1-4673-8595-4 **DOI:** 10.1109/SAPIENCE.2016.7684151, *SCOPUS and WoS Indexed*
15. Kalpana Ettikyala, Y Vijayalata (2015) "VM Placement and Migration Techniques", International Conf. on Emerging Trends in Science Technology Engineering and Management, 9-10 Oct. 2015, p. 454-458, Mallareddy college of Engineering.
16. Kalpana Ettikyala, G Vivek(2015) "A Study on Energy Efficient Techniques for Data Centers", International Conf. on Innovations in Computing and Communication (ICICC-2015), 12-13 feb. 2015, p. 6-9, BVRIT, ISBN- 978-93-82163-59-6