Name of Faculty	Dr. K. Sagar	
Designation	Professor	
Nature of Job/Appointment	Regular	
Date of Joining	16 – 10 - 2000	
E-mail	ksagar_cse@cbit.ac.in	

Education Qualifications	Name of the Degree	Class
Ph. D	Ph. D	Awarded
PG	M. Tech.	Distinction
UG	B. E	Distinction

Work Experience	
Teaching	23 Years
Research	06 Years
Industry	01 Year
Others	—

Area of Specialization	Soft Computing, Deep Learning & IOT
Professional Memberships	MIETE
Responsibilities held at Institution Level	1. Worked as Head, MCA Dept. from 2015 to 2017 2. Member, Academic Council, from 2015 to 2018. 3. Worked as Asst. Controller of Examination for 5 months.
Responsibilities held at Department Level	1. Member Board of Studies, 2. UG NBA Coordinator 3. Member, PAC
Research Guidance	8 Ph. D Scholars from OU
Awards Received	--
Courses Handled at Under Graduate / Post Graduate Level.	Logic & Switching Theory, DELD, Operating Systems, AOS, Computer Organization, Principles of Programming Languages, Soft Computing, Deep Learning
No. of Papers Published	National Journals – — International Journals – **12** National Conference – **02** International Conference –**09**
Projects Carried out	--
Patents	--
Technology Transfer	--
Invited Speaker	1. Resource person for AICTE-ATAL FDP on "Immersive Virtual Reality" ,SR university, Warangal, 4th to 8th January 2021. 2. Resource person for AICTE sponsored FDP on "Implementation of AI fir solving Digital Signal & Image Processing problems" from 16th to 28th November 2020, VJIT Hyderabad. 3. Resource person for the AICTE-ISTE STTP on "AI Based IOT" from November 26- December 1, 2018 4. Keynote Speaker talk on "Big Data "at National level

Technical seminar, 26th Feb 2014.

5. Guest Faculty - Department of Computer & Information Sciences University of Hyderabad during January 2005 May 2007 for the Courses Business Information systems, Software Technology and Management, Operating Systems.

No. of Books/Chapter Published with details	1. Published a Book titled "Mobile Computing ", Lulu publisher, First Edition Product id: 24057619, 2019.
	2. Published a Book titled "Learning IOT", Lulu publisher, First Edition Product id: 24056312 2019.
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (**Attended and/or Organized**).	1. Successfully Completed "Neural Networks and Deep Learning" an online non-credit course authorized by deeplearning.ai and offered through Coursera, 19-05-2020
	2. Successfully completed the AICTE online Orientation training programme for Mentors from 9th to 13th February 2021 under NITTTR.
	3. Successfully Completed "Programming for Everybody (Getting Started with Python) an online non-credit course authorized by University of Michigan and offered through Coursera, 09-05-2020.
	4. Successfully completed "Getting Started with Go " an online non-credit course authorized by University of California, Irvine and offered through Coursera, 03-06-2020.
	5. Successfully completed a One week Faculty Development program on "Outcome based Education and NBA accreditation process (UG)", during 28-05-2020 to 01.06.2020.
	6. Conducted a two day national workshop on "Emerging Trends in Computer Science and Applications", CBIT (A), Hyderabad during 30th & 31st March 2017.
	7. Participated in the Regional workshop on "Web bases Student, Faculty and Staff Satisfactory Survey", Bangalore, organized by NPIU, Govt. of India on 23rd Sep 2014.
	8. Participated in a Two Week AICTE-ISTE STTP on "Parallel & Distributed Computing" CBIT, Hyderabad, during 24-06-2002 to 05-07-2002
	9. Participated in a Two Week AICTE-ISTE STTP on "Remote sensing and Satellite Image Processing CBIT, Hyderabad, .
	10. Completed One-month Short term course on "Short term course on Digital system design using VHDL" at OU, Hyderabad, 2003.
	11. Participated in One-week training on "Mission 10x" by WIPRO, Hyderabad, 2009.
Details of Journal Publications/ Conferences (**National and International**)	

International Journal

1. Dr. K. Sagar, "A REVIEW: SECURE ROUTING PROTOCOLS FOR MOBILE ADHOC NETWORKS (MANETs)" at Journal of critical reviews, ISSN- 2394-5125 VOL 7, ISSUE 19, 2020.
2. Dr. K. Sagar ,"A novel framework for quality of service aware vertical handover process in heterogeneous wireless networks" IOP Conference Series: Materials Science and Engineering, Volume 981, International Conference on Recent Advancements in Engineering and Management (ICRAEM-2020) 9-10 October 2020, Warangal, India.
3. Dr.K.Sagar "A Survey to Build a Movie Recommender System Using Hybrid Filtering" at International Journal of Science Engineering and Advance Technology (IJSEAT). ISSN 2321-6905, Vol. 8, Issue 7, July -2020
4. Dr.K.Sagar "Particle Swarm Optimization for N-Queens Problem" at International Journal of Research and Analytical Reviews,(IJRAR) September 2020, Volume 7, Issue 3. E-ISSN 2348-1269,P-ISSN 2349-5138.
5. Dr.K.Sagar "Web of Things an intelligent approach to solve interoperability issues of Internet of Things communication protocols", at IOP Conference Series: Materials Science and Engineering, Volume 981, International Conference on Recent Advancements in Engineering and Management (ICRAEM-2020) 9-10 October 2020, Warangal, India.
6. "A Machine Learning Approach To Detect Intruder By Identifying Anomalies in Network Traffic in an Enterprise Networks", Journal of Emerging
7. Technologies and Innovative Research, (JETIR) June 2019, Volume 6,Issue-6.
8. Dr.K.Sagar, Pradeep Kumar "Flexible Vertical Handover Decision Algorithm based on several specifications in heterogeneous wireless networks", International Journal of Innovative Technology and Exploring Engineering (IJITEE) (Scopus indexed), Volume 8, Issue 9, ISSN: 2278-3075, July 2019.
9. Dr.K.Sagar, Thirupathi "A Research on Interoperability Issues in Internet of Things at Application Layer", IJRTE, Volume-8, Issue-1S4, ISSN: 2277-3878,5.92(Scopus Indexed), Volume-8, Issue-1S4, ISSN: 2277-3878,5.92, June 2019.
10. Dr. K. Sagar "Heart Disease prediction system using Deep Learning" At International journal of Research and Analytical Reviews (IJRAR), Open access, UGC approved International, Peer reviewed, Volume-6, Issue-2.,43602,E-ISSN 2348-1269,P-ISSN 2349-5138,5.75, May 2019.
11. Dr.K.Sagar, Srinivas "Recent trends and security challenges in Mobile Adhoc networks", International journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269,P-ISSN 2349-5138, Vol-6, Issue-1, March 2019.
12. Dr.K.Sagar, Thirupathi "Implementation of Home Automation System using MQTT protocol and ESP32" at IJEAT, Volume-8,Issue-C2C,ISSN:2249-8958, December 2018
13. Dr.K. Sagar "Recent Trends and concepts in Compression Schemes on Textual Big Data" at International journal of Innovations & Advancement in computer science (IJIACS) ISSN:237-8616, Volume-6, Issue-12,Page No:146-150,December 2017.
14. Dr.K. Sagar "Implementation of Personalized web search with privacy protection" at International journal of Engineering and Computer Science (IJECS) ISSN:2319-7242, Volume-6, Issue-2,Page No.20301-20307, Feb 2017.

International /National Conferences

1. Dr. K. Sagar, " A Survey on data security challenges in multi cloud environment" at International Conference on Electronics, Computing & Communication Technologies, IEEE CONNECT organized by IEEE Bangalore section from July 09-11,2021.
2. C. Satapathy et al. (Eds.) "A Proficient and Smart Electricity Billing Management System"© Springer Nature Switzerland AG 2020S : ICETE, LAIS 3, pp. 156–160, July 2019
3. Dr. K. Sagar "Implementation of Home Automation system using MQTT protocol and ESP-32 " at International conference on Recent Trends in Automation (ICRTA-19) on 15th to 16th November 2018
4. Dr. K. Sagar "Controlling Air Conditioner by sending secure messages using MQTT protocol and Mosquitto server" at International Conference on Startup Ventures : Technology Developments and future Strategies (SV-TDFS) on 8th to 9th October 2018.
5. Dr. K. Sagar " A Relative Survey on Handover techniques in Mobility Management" at International Conference on Startup Ventures : Technology Developments and future Strategies (SV-TDFS) on 8th to 9th October 2018.
6. Dr. K. Sagar "A Survey on security issues with IOT" at International conference on Materials, Applied Physics and Engineering (ICMAE) on 3rd & 4th june 2018.
7. Dr. K. Sagar " Recent Trends and concepts in Compression Scemes on Textual Big Data" at International conference on Advancements and Innovations in Engineering, Technology & management (ICAIETM), on 28th & 29th December 2017.