Name of Faculty	Dr. V. Prashanthi	
Designation	Associate Professor	
Nature of Job/Appointment	Regular	
Date of Joining	01 - 08 - 2024	
E-mail	prashanthiv_it@cbit.ac.in	

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

Work Experience		
Teaching	18 Years	
Research	08 years	
Industry	--	
Others	--	
Area of Specialization	Ethical Hacking, Computer Networks, Cyber Security, Machine Learning, Digital Forensics	
Professional Memberships	-	
Responsibilities held at Institution Level	--	
Responsibilities held at Department Level		
Research Guidance	--	
Awards Received	• Certificate of appreciation as "**NPTEL TOP PERFORMING MENTOR**", for the online certification course on User Centric Computing For Human Computer Interaction", From IIT Madras, JAN-APR 2021 • **Best paper Award** for "Decentralized electronic health record management system" presented in BVRITHON conference organized by BVRIT, Hyderabad in December 2023.	
Courses Handled at Undergraduate / Post Graduate Level.	• Ethical hacking. • 'C' language and Data structures. • Object Oriented Programming through JAVA. • Operating Systems. • Software Engineering. • Principles of Programming Languages. • Mobile computing.	
No. of Papers Published	National Journals – 00 International Journals – 16 National Conference – 02 International Conference– 08	
Projects Carried out	: -	
Patents	: Border-less Trading System using Blockchain Technology, Application No.202121028373 A, Publication Date: 30/07/2021	
Technology Transfer	1. Completed **Ethical Hacking and Cyber Security from Digital Nest in** September 2022 2. Completed **Cyber Forensics** certification from Craw institute Delhi in June 2023. 3. Completed **Training of trainer's Programme on cyber security essentials** conducted by CDAC from Feb 15th to 28th. February ,2023. 4. Completed "**introduction to cyber-Crime**" from Simplilearn in July 2022. 5. Completed "**Ethical hacking for beginners**" from Simplilearn May 2022. 6. Completed "**Introduction to Cyber Security**" from Simplilearn in May 2022.	

7. Completed **Ethical hacking and Cyber Security** Training from DIGINEST SEP 2022.
8. Certificate of appreciation as "**NPTEL TOP PERFORMING MENTOR**", for the online certification course on User Centric Computing For Human Computer Interaction", From IIT Madras, JAN-APR 2021.
9. Successfully completed **NPTEL Online Certification** (Elite) course on "**Problem Solving through Programming in C**", Jan–April 2019(12-week course) conducted by IIT Kharagpur, funded by the Ministry of HRD, Government of India.
10. Completed Coursera online certification in "**Programming for Everybody (Getting started with Python)**", April 2020.
11. Completed Coursera online certification in "AI for Everyone", July 2020.
12. Completed Coursera online certification in "**Natural Language Processing in TensorFlow**", July 2020.
13. Completed Coursera online certification in "**Introduction to Relational Database and SQL**", June 2020.
14. Completed Coursera online certification in "**Introduction to Machine Learning**", July 2020.
15. Completed **Simplilearn** certification in "**Introduction to Artificial Intelligence**", July 2020.
16. Completed **Simplilearn** certification in "**Statistics Essential for Data Science**", July2020.
17. Completed **Oracle Academy** certification in "**Database Programming with SQL**", March 2021.
18. Completed **Oracle Academy** certification in "**Database design** ", March 2021

Invited Speaker	1. Speaker of Knowledge sharing session on **cyber security** conducted on 25th July 2024
	2. Speaker of Knowledge sharing session on **Ethical Hacking** conducted on 23rd April 2022.
	3. Presented a Lecture on **Kali Linux in Ethical Hacking** FDP on August 14th, 2022.
No. of Books/Chapter Published with details	

- Books-01
- Book Chapters 03

1. Srinivas Kanakala, Vempaty Prashanthi ,**Big Data and Hadoop** ISBN: 978-93-6010-563-1, Publisher : Prime International Publication. Publication date :01/07/2024.

2. Akila V, Sheela T, Vempaty Prashanthi, **A comparative analysis of data aggregation-based routing protocols hierarchies and comparing secure data aggregation protocols in wireless sensor networks**",4th International Conference on Design and Manufacturing Aspects for Sustainable Energy, 24-26 September 20-21, Organized by Gokaraju Rangaraju Institute of Engineering Technology **(Scopus indexed).**

3. K. Srinivas, V.Prashanthi," **Spread Analysis of Covid-19**", 4th International Conference on Smart Computing and Informatics (Springer's Smart Innovation Systems and Technologies Series), 9-10, October 2020, Organized by Vasavi College of Engineering, Hyderabad, India **(Scopus indexed).**

4. K V Sharada, Vempaty Prashanthi, Srinivas Kanakala, **"Detection and Classification of Intracranial Brain Hemorrhage", International Conference on Wireless Sensor Networks, Ubiquitous Computing and Applications** 2021, (Springer's Lecture Notes in Networks Systems (LNNS) Series), Organized by Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India ,26-27, February-2021**(Scopus indexed).**

Organized Workshops, Guest Lectures and FDP's
1. Organized a full-day workshop titled "**Unveiling the Mysteries of Cloud Computing, Cybersecurity, and Career Growth - Cloud Security for Cyber Warriors.**" On March 23, 2024.
2. Organized a guest Lecture on **SQL Injection** by Mehernath Cyber Security Associate, RSM US, Hyderabad on 12-06-2024.

3. Organized a One Week FDP on "**Ethical Hacking**" from August 08 – 13, 2022.
4. Organized webinar on "**Security Incident Response-A Practical Approach**" by Mr. D. Hemanth conducted on 18th June 2022.
5. Conducted Guest Lecture on **Digital & Automation Every Where: Role of DE,AI & ML** by Rajesh Yakkali on June 23, 2022.
6. Conducted Knowledge Sharing Lecture Series on **SQL-Injection** by K. Mehernath 3rd Year CYS student on 2nd July 2022.
7. Organized Essay writing and short film contest on **"University Level Competition on Cyber Security & Narcotic Drugs**" on 3rd Sep 2022.
8. Conducted "**Cyber Security Awareness Program**" at VRS Vignana Jyothi School on November 14th, 2022.
9. Organized a guest lecture on Malware **Threats** by Karthik Chanda on 30th November on the event of National Cyber Security Day.
10. Organized extra-curricular activities on "**Valorant Competition**" on 8-12-2022.
11. Conducted "**Ethical Hacking Workshop**" under Convergence during 24-25 2023.
12. Organized Valorant Competition under Convergence during 24-25 2023.
13. Conducted an **Awareness Session on CDAC Certification Courses** by Mrs P R. Lakshmi Eswari Director CDAC on 6th Feb 2023.

Workshops/FDPs /Attended

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (Attended and/or Organized).	1. Participated in International Conference on **Wireless Sensor Networks, Ubiquitous Computing and Applications (ICWSNUCA-2020)** organized by Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad, India, during 26-27. February 2021. 2. Participated in the Two-Day Online Workshop on "**Online Tools & Software for Remote Teaching - Learning"** held during 24th & 25th of April 2020 organized by UGC-HRDC, JNTUH, Hyderabad, Telangana State. 3. Attended Workshop on five-day faculty development program organized by CMR Technical campus, Hyderabad, on **Artificial Intelligence and Machine Learning** from 18-May 2020 to 22-May 2020. 4. Attended workshop on One-week AICTE Margadarshan FDP on "**Outcome Based Education**" during 2-7th December 2019. 5. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "**Data Sciences**" from 25-05-2020 to 29-05-2020 at Indian Institute of Information Technology, Vadodara. 6. Participated in a one-week Faculty Development Programme on "**Data Science with R**" organized by Electronics and ICT Academy, NIT Patna held from 27th April to 03rd May, 2020 though online under the "Scheme of financial assistance for setting up of Electronics and ICT Academies" by the Ministry of Electronics and Information Technology (MeitY), Government of India. 7. Attended One week (Online) Faculty Development Program on "**Data Science Behind Natural Language Processing**" organized by the Department of Information Technology, Kakatiya Institute of Technology & Science, Warangal during 6th to 10th July,2020. 8. Attended International Conference on "**IT for Real World Problems"** organized by Vaagdevi College of Engineering in December 2009. 9. Workshop on "**Neural networks and EJB**" conducted by Vaagdevi College of Engineering in November 2009. 10. Workshop on "Systems Integration" organized by Microsoft & IEG/JKC through MANA TV at Vaagdevi College of Engineering in February 2009. 11. Two-week Refresher Course on "**Soft Computing**" sponsored by MHRD Govt of India and organized by the Department of CSE, NIT Warangal, during July 28-August 9, 2008. 12. Workshop on **"Data Mining, Advanced JAVA, Effective Teaching Methodologies"**, conducted by Vaagdevi College of Engineering December 2007.

13. Workshop on "**Data Mining, NET, UML, OODB and Socket Programming** "conducted by Vaagdevi College of Engineering in November 2006.

14. workshop on "**Advanced UNIX Programming with Industrial Perspective"**, conducted by Vaagdevi College of Engineering in December 2005.

15. Attended TEQIP Two-week online certification course on "**Digital transformation in teaching learning process",** organized by IIT Bombay, March 16-30th ,2020.

16. Participated in the webinar **New Gen Cyber Crimes** organized by Centre for Development of Advanced Computing (C-DAC), Hyderabad on April 04, 2022.

17. Attended one week FDP on **R Programming Approach** from May 9-14 2022 organized by VNRVJIET Dept of CSE-CYS, DS and AI&DS.

18. Attended one week FDP on **Foundations of Data Science** from 2nd to 7th August 2022 organized by VNRVJIET Dept of CSE-CYS, DS and AI&DS.

19. Attended one week FDP on **Ethical Hacking f**rom August 8-13th 2022 organized by VNRVJIET Dept of CSE-CYS, DS and AI&DS.

20. Attended **Two-day workshop on Cyber Security** from 2nd dec 2022 to 3rd Dec 2022 conducted by JNTUH.

21. Attended one week FDP on **Cyber Security, digital Forensics and Penetration testing** from 27-31 December conducted by Spoorthi College of Engineering.

22. Attended one week FDP on **Data Science for Engineers** FDP 23rd to 28th jan 2023 organized by VNRVJIET Dept of CSE-CYS, DS and AI&DS.

23. Attended one week FDP on "**Platforms and System Security"** 30th Jan to 4th Feb 2023 organized by VNRVJIET Dept of CSE-CYS, DS and AI&DS.

24. Participated in workshop on **IOT Ecosystems: Security Challenges and Opportunities** held on 9th Jan 2023 at JNTU H organized by Indian Institute of Technology Guwahati in association with center of excellence in cyber security JNTUH under association with CDAC Hyderabad.

Details of Journal Publications/ Conferences (National and International)

International Journals

1. Srinivas Kanakala, Vempaty Prashanthi, "Comparative analysis of heart failure prediction using machine learning models" International Journal of Informatics and Communication Technology (IJ-ICT), ISSN: 2252-8776, Vol. 13, No. 2, August2024, pp. 297~305. (**Scopus indexed.)**

2. Chauhan Jyoti, R.M. RANI, Vempaty Prashanthi, "Gradient Boosted Decision Tree with used Slime Mould Algorithm (SMA) for waste water treatment systems": water Re use". ISSN2709-6092.**SCI Science Citation Index Expanded**. Volume 13, Issue 3,Pg..393–410.,July 2023, (impact factor.4.5)

3. S. Prathiban, Vempaty Prashanthi, "Chaotic Salp Swarm Optimization-Based Energy-Aware VMP Technique for Cloud Data Centers", Computational Intelligence and Neuroscience, ISSN: 1687-5273 (Online) (**SCIE Indexed**)). Impact factor-3.120.

4. K. Srinivas, V. Prashanthi, "Energy-Efficient Cluster Based Routing Protocol in Mobile Ad Hoc Networks Using Network Coding," Journal of Computer Networks and Communications, Vol. 2014, Article ID 351020, 12 pages, 2014. ISSN: 2090- 715X. Publisher: Hindawi Publishing Corporation. (**ESCI indexed**). impact factor.2.0

5. V.Prashanthi, K. Srinivas, "Plant Disease Detection Using Convolutional Neural Networks", International Journal of Advanced Trends in Computer Science and Engineering, Volume 9, No.3,

June 2020, ISSN 2278-3091, pp.2632-2637.

6. V.Prashanthi, Srinivas," Identification of Opportunities for Coding in a Network", International Journal of Recent Technology and Engineering (IJRTE), Volume7, Issue5, Pages.140-144 ISSN: 2277-3878, January 2019. (**Scopus Indexed**).

7. P. Devika, V. Prashanthi," RFID Based Theft Detection and Vehicle Monitoring System using Cloud", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume8, Issue4, Pages.737-739, ISSN: 2278-3075, February 2019. (**Scopus Indexed).**

8. V.Prashanthi, K. Srinivas, "Generating Analytics from Web Log," International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-9 Issue-4, April 2020, pp.161-165.

9. V.Prashanthi, D. Suresh Babu, C.V. Guru Rao, "Network Coding aware Routing for Efficient Communication in Mobile Ad-hoc Networks" International Journal of Engineering & Technology (UAE)", ISSN: 2227-524X, Vol.7, No.3(2018), pp.1474- 1481. (**Scopus indexed).**

10. V.Prashanthi, K. Srinivas, "Comprehensive Data Analysis of Aarogyasri Scheme Progress in Telangana" Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 07-Special Issue, 2018, pp. (421-434), Scopus indexed, H index 6. ISSN: 1943023X. (**Scopus Indexed**).

11. V.Prashanthi, D. Suresh Babu, C.V. Guru Rao, Survey on "Network Coding-aware Routing, International Journal of wireless communications and Networking Techniques" Volume5, No.6, October-November 2016, pp.no.70-75, ISSN: 2319-6629.

12. V.Prashanthi, D. Suresh Babu, C.V. Guru Rao, "Performance of AODV Routing Protocol enabled by Network Coding", International Journal on Computer Science and Engineering (IJCSE), ISSN: 0975–3397, Vol. 8 No.12, Dec 2016, pp.412-426. P- ISSN:2229–5631.

13. V.Prashanthi, D. Suresh Babu, C.V. Guru Rao, "Network Coding-aware Routing for Energy Minimization in Wireless Ad-Hoc Networks" Advances in Wireless and Mobile Communications, ISSN: 0973-6972, Volume 10, Number 1 (2017), pp. 111-121.

14. V.Prashanthi, D. Suresh Babu, C.V. Guru Rao, "Network Coding Gain Optimization in wireless Ad-hoc Networks" International Journal of Advanced Research in Computer Science", Vol.8, No 7 (2017), pp.185-188, ISSN: 0976-5697.

15. Srinivas, V. Prashanthi, "Network Coding for Energy Efficiency in Wireless Networks" proceedings of National conference on Innovations &Advancements in computing (IAC-2014), organized by GITAM University, Hyderabad, India,(published in IJARCS journal).Volume 5, No. 4, April 2014 (Special Issue),pp.26- 30.(www.ijarcs.info): ISSN: 0976-5697.

16. K. Srinivas, V. Prashanthi, "Survey on Minimizing Energy Consumption in Mobile adhoc Networks", International Journal of Advances in Computer Science and Technology, Volume 3, No.12, Dec 2014 pp.495-500. ISSN: 2320-2602.

International /National Conferences

1. Vempaty Prashanthi, M Kowshik Reddy, MD Shaariyaar Ahmed, MD Danish, T Sreeja. "Decentralized Electronic Health Records Management System". BVRITHCON' 23-International Conference on Big Data and Virtual Reality, Information and Communication Technologies is organized by Department of CSE and IT, BVRIT HYDERABAD College of Engineering for Women, Hyderabad on 22th -23rd December 2023 (**Scopus indexed).**

2. V.Prashanthi, K. Srinivas, "Role of Artificial Intelligence In Art", 5th **IEEE** International Conference on Advances in Computing, Communication Control and Networking- ICAC3N, 2024. (**Scopus indexed).**

3. V.Prashanthi, K. Srinivas," Rainfall Prediction Using Catboost Machine Learning Algorithm" **IEEE** International Conference on Networks, Multimedia and Information Technology (NMITCON) is being organized at Nitte Meenakshi Institute of Technology, Bengaluru, INDIA during 1st and 2nd , September 2023, IEEE Xplore**).Scopus indexed**.

4. Vempaty Prashanthi, Srinivas Kanakala, V Akhila, A Harshavardhan, "Music Genre Categorization using Machine learning", IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC-2021), **IEEE XPLORE** digital library. (**Scopus indexed).**

5. Vempaty Prashanthi, Varagiri Shailaja, T N P Madhuri, Srinivas Kanakala, "Automatic Valuation of essay using Machine Learning", IEEE International Conference on Computational Intelligence and Computing Applications -21 (ICCICA-2021), Published in **IEEE XPLORE** digital library. (**Scopus indexed).**

6. V.Prashanthi, D. Suresh Babu, C.V. Guru Rao, "Network coding-based communication in wireless ad hoc networks", **IEEE** international conference on communication and signal processing, (ICCSP' 14), April 3-5, India. (Published in IEEE explore). (**Scopus indexed**).

7. V.Prashanthi, D. Suresh Babu, C.V. Guru Rao," Enhancing Performance of wireless ad- hoc Networks with Network Coding", "**IEEE** International Conference on Advanced Computing and Communication Systems (ICACCS -2015)", Jan. 06 – 07, 2017, Coimbatore, INDIA. (Published in IEEE explore). (**Scopus indexed**).

8. K. Srinivas, V. Prashanthi, "A Survey on Energy Saving Techniques in Mobile ad hoc networks" proceedings of National Conference on Wireless communications & sensor networks (NCWCSN-4), organized by KLUniversity, Vijayawada, India, March.2013.(ISBN- 978-93-5137-733-7).

9. V.Prashanthi, D. Suresh Babu, C.V. Guru Rao, "Network Coding Gain Optimization in wireless Ad-hoc Networks" National Conference on Current Research Advances in Computer Science (CRACS -17) on 17th & 18th March, 2017, Kakatiya University, Warangal.