

Name of Faculty Dr. PRATHIMA TIRUMALAREDDY  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 03 - 08 - 2006  
 E-mail tprathima\_it@cbit.ac.in



| Education Qualifications | Name of the Degree                                  | Class       |
|--------------------------|---|-------------|
| Ph. D.                   | Doctor of Philosophy (Computer Science Engineering) | Awarded     |
| PG                       | M. Tech. (Computer Science Engineering)             | Distinction |
| UG                       | B. Tech (Computer Science Engineering)              | First       |

Work Experience  
 Teaching 16 years  
 Research -  
 Industry -  
 Others -  
 Area of Specialization Machine Learning, Data Science  
 Responsibilities held at Institute Level  
 • Member, Placement Core Committee  
 • Member, NAAC-Criteria#5  
 • Coordinator, NBA-2021  
 Responsibilities held at Department Level  
 • Program Coordinator, B.E. AI&DS from A.Y. 2020-21 to till 31.05.2022  
 • Program Coordinator, M.Tech AI&DS for the A.Y. 2019-20  
 • Member, BoS, B.E. IT till date  
 • Incharge NBA Criteria-3 from A.Y. 2016-17 to till 31.12.2021  
 Research Guidance  
 Awards Received Guided 3 M.Tech Projects  
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 Courses Handled at Under Graduate / Post Graduate Level  
 Data Science, Data Structures, Data Warehousing & Data Mining, Python Programming, Human Computer Interaction, Programming in C, Object Oriented Programming, Semantic Web.  
 No. of Papers Published National Journals: - International Journals: 04  
 National Conferences: - International Conferences: 04  
 Projects Carried Out -  
 Patents -  
 Technology Transfer -  
 Invited Speaker  
 • Resource Person for 1 Week workshop on "Python Fundamentals" from 04.10.2021 to 09.10.2021 organised by Sai Spurthi Institute of Technology, for I Semester Students of III Year CSE and ECE.  
 • Published a book chapter titled "Constrained and Unconstrained Audio Classification", in Advances in Intelligent Systems and Computing, Volume 1415, pp 1007-1020 Springer Nature Singapore Pte Ltd. July 2022, <https://doi.org/10.1007/978-981-16-7330-6>  
 • Published a book chapter titled "Rough Set-Based Classification of Audio Data", in Advances in Intelligent Systems and Computing, Volume 1090, pp 627-637 Springer Nature Singapore Pte Ltd. 2020, [https://doi.org/10.1007/978-981-15-1480-7\\_53](https://doi.org/10.1007/978-981-15-1480-7_53)  
 • Published a book chapter titled "Automatic Detection of Violent Scenes in Tollywood Movies - A Rough Set Approach", Advances in Intelligent Systems and Computing 507, pp 449- 456 Springer Nature Pte Ltd., 2017  
 • Successfully completed a two weeks (40 hours) online Faculty Development Programme on "Deep Learning & Applications (Parallel Architectures)" jointly organized by the Electronics and ICT Academies at IIT Guwahati, IIT Kanpur, IIT Roorkee, MNIT Jaipur, NIT Patna, NIT Warangal and PDPM IIITDM Jabalpur during Aug 23- Sept 3, 2021, Electronics and ICT Academies" of the Ministry of Electronics and Information Technology (MeitY), Government of India.  
 • Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Recent Trends and

Details of Short-Term Training Programs / Faculty Development Programs / Seminars / Workshops / Other Trainings Attended.

Advancements in ANN and Deep learning for Real Time Applications " from 20.12.2021 to 24/12/2021 at Rungta College of Engineering and Technology, Bhilai

- Successfully completed Coursera 7 Weeks online certification Course on Python Data Structures June 2020
- Successfully completed NPTEL's 12 Weeks online certification Course on NBA Accreditation and Teaching - Learning in Engineering (NATE) in June 2020
- Completed one day workshop on CO-PO attainment Computation and Outcome Analysis organized by Inpods on 13.06.2020
- Successfully completed FDP on "Outcome Based Education and NBA Accreditation Process (UG) " organized by CBIT during 28.05.2020 to 01.06.2020.
- Successfully completed Coursera 7 Weeks online certification Course on "Getting started with Python" May 2020.
- Successfully completed Coursera online certification Project based Course on "Perform Real-Time Object Detection with YOLOv3" in May 2020.
- Successfully completed Coursera online certification Project based Course on "Computer Vision - Object Detection with OpenCV and Python" in May 2020.
- Successfully completed NPTEL's 4 Weeks online certification Course on "Python for Data Science" in August 2019 with Gold Elite

Details of Short-Term Training Programs / Faculty Development Programs / Seminars / Workshops / Other Trainings Organized

- Coordinator, Seminar on "Scope for Interdisciplinary Research" in CBIT on 06.05.2022 from 03:30PM to 05:00PM
- Organized a National level guest lecture on "Journey of a program from .C to .EXE and its memory management", for Engineering Students of all branches on 19.02.2022 from 09:30AM to 12:30PM.
- Organised a Preplacement Training for V Semester students of all branches of CBIT during November 2021
- Coordinator, National level Workshop on "GitHub" on 23.10.2021 from 09:30AM to 12:30PM
- Coordinator for Kony Hackathon App Challenge 2019 held in CBIT during 18.02.2019 to 20.02.2019.
- Organized a hackathon, Code for IT under the aegis of Coders Hub - CBIT, Competitive Coding Club, for 2nd year, 3rd year students of Department of IT on 14.09.2018 and 15.09.2018.
- Organized a guest lecture on "Problem solving on data structures and algorithms" for B.E. 2/4 IT, I-Sem (H1 & H2) students on 28.09.2017 from 1.00pm to 4.30pm.

International/National Journals from 2017

- T Prathima et al, published a paper titled "Speeding Vehicle Detection in Unconstrained Environment" in Turkish Online Journal of Qualitative Inquiry, e-ISSN 1309-6591, Vol.12, Issue. 7, pp 8454-8460, July 2021
- T. Prathima et al, published a paper titled "Ensemble Based Hybrid Recommender Systems", in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, pp 826-833, January 2020
- T.Prathima et al, published a paper titled "A Multi-modal video data dimensionality and replication reduction on distributed architecture" in International Journal of Advanced Science and Technology, ISSN: 2005-4238, Vol. 28, Issue. 20, pp1425-1442, Dec 2019

International /National Conferences from 2017

- T.Prathima et al, "Detection of Armed Assailants in hostage Situations - A Machine Learning Approach", Third International Conference on Intelligent Communication Technologies and virtual Mobile Networks (ICICV 2021), Organised by Francis Xavier Engineering College, Tirunelveli, Tamilnadu, India, 04-06th February 2021,pp. 774-781, IEEE, DoI: 10.1109/ICICV50876.2021.9388476
- T. Prathima et al (2017), "Automatic framework of music ringtone extraction from Tollywood songs" - International Conference on Recent Innovations in Engineering and Technology (ICRIEAT-2017)