

Name of Faculty Dr. Isha Padhy
 Designation Assistant Professor
 Nature of Job/Appointment Regular
 Date of Joining 08– 03- 2016
 E-mail ishapadhy_cse@cbit.ac.in



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

Work Experience	
Teaching	15 Years
Research	
Industry	--
Others	

Area of Specialization Image Processing, Automata Language and computation, Machine Learning

Professional Memberships Member in IAENG, IEEE, Computer Society of India

Responsibilities held at Institution Level

1. Member, SHRUTHI-2017,18,20,23,24
2. Member , Anti-ragging Committee

Responsibilities held at Department Level

1. Convener, Course Expert Group
2. Coordinator for AMD
3. Member, criteria-3, NBA

Research Guidance

1. Got appreciation to develop “First best model in IOT”, MGIT, Dec, 2017

Awards Received

2. Reviewer for 4 SCI and Scopus Journals, Conferences.

Courses Handled at Under Graduate / Post Graduate Level. Image Processing and deep learning, Data Structures, Automata Language and Computation, Object Oriented Programming (Python), Principles of Programming Structure,

No. of Papers Published National Journals – 0 International Journals – 05

National Conference – 0 International Conference – 05

Projects Carried out

- IoT Enabled Smart Agriculture Using Digital Dashboard

Patents

- Cloud Based Healthcare Monitoring System Using IoT

Technology Transfer

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- Resource Person for 3-days Value added course, CBIT, Hyderabad on 08-02-25,15-02-25,22-03-25.
- Resource Person for 10 Inhouse FDP “Python Programming” CBIT,Hyderabad during 10-08-22 till 22-08-22.

No. of Books/Chapter Published with details

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Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (Attended and/or Organized).

1. Participated in One-Week Development Program in “Artificial Intelligence, Machine Learning and Data Science with Research Applications” organized by the Department of CSE, MLRIT from 21-07-25 to 26-07-25.
2. Participated in a National Level Faculty Development Program on “Fundamentals of

Quantum Technology" Organized by Department of ECE, Chaitanya Bharathi Institute of Technology, Hyderabad during 21st – 22nd November 2025.

3. Participated in One Week Online International Faculty Development Program on Applied Deep Learning. Organized by the Department of Artificial Intelligence and Machine Learning, Chaitanya Bharathi Institute of Technology (Autonomous), Gandipet, Hyderabad - 500075, Telangana, India, In Technical Association with ACM Hyderabad Deccan Chapter during 19-05-25 to 24-05-2025.
4. Participated in the Faculty Development Programme on Revolutionizing Education with Generative AI: Teaching and Learning Strategies, Conducted by CSE and all Allied Branches, NEC in collaboration with Blackbucks Group from 10-03-2025 to 15-03-2025.
5. Participated in the AICTE Recognized Faculty Development Programme on ICT Tools for Smart Educators Conducted by Computer Science and Engineering Department, CBIT from 27-01-2025 to 31-01-2025.
6. Participated in one Week AICTE Training And Learning (ATAL) Academy Faculty Development Program on Explainable AI Frameworks at ACE ENGINEERING COLLEGE from 20-01-2025 to 25-01-2025.
7. Organized The 1st International Conference on Innovative Computing Technologies(ICICT-2024) organized at Chaitanya Bharathi Institute of Technology, Hyderabad-India, by the Departments of CSE, IT, AI&ML, AI&DS, MCA and Mathematics during 13-12-2024 to 14-12-2024.
8. Participated and presented paper at the 1st International conference on Innovative Computing Technologies (ICICT-2024) held during 13-14 December 2024 organized at Chaitanya Bharathi Institute of Technology, Hyderabad-India, by the Departments of CSE, IT, AI&ML, AI&DS, MCA and Mathematics.
9. Participated in Two Week Winter School on Computer Vision and Speech Processing. Organized by the Department of Artificial Intelligence and Machine Learning, Chaitanya Bharathi Institute of Technology (Autonomous), in Technical Association with ACM Hyderabad Deccan Chapter during 9th to 21st December 2024.
10. Participated in the AICTE Recognized Faculty Development Programme on AI for SDGs under Unnat Bharat Abhiyaan Conducted by Electronics and Communication Engineering Department from 18/11/2024 to 22/11/2024 (One Week) at Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad in collaboration with NITTTR, Chandigarh.
11. Attended One week National Level online FDP on "Emerging Research Trends in Computer Science" organized by the Department of Computer Science and Engineering, Chaitanya Bharathi Institute of Technology In Technical Association with ACM Hyderabad Deccan Chapter during 22nd - 26th April 2024.
12. Attended One-week online FDP on "Empowering Educators : AI Tools for Engineering and Technology (AITET-2024)", organized by Department of Chemical Engineering, Chaitanya Bharathi Institute of Technology (A), Hyderabad, during 29-01-24 to 2-02-24.
13. Attended one week Faculty Development Program on "Big Data Analytics" organized by the Department of Information Technology, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad in collaboration with ExcelR Edtech Pvt. Ltd. During 04-12-23 to 15-12-

- 23.
14. Attended one week Faculty Development Program on "Machine Learning and its Applications in IoT, Computer Vision and Cloud Computing (MICC-2023)" NIT Jamshedpur during 10-07-23 to 14-07-23
15. Attended one week Faculty Development Program on "Current Trends in Artificial Intelligence and Machine Learning" organized by Department of Information Technology and Computer Science and Engineering, Vardhaman College of Engineering during 19-06-23 to 24-06-23
16. Attended one week Faculty Development Program on "Artificial Intelligence and Machine Learning Techniques" AI Department, Anurag University during 13.02.23 to 17.02.23.
17. Organized 10 days In-House FDP "Python Programming" CBIT, Hyderabad during 10-08-22 to 22-08-22.
18. Attended 5 days FDP "Smart Tools and Methodologies for Academic Research" ECE department, MGIT, Hyderabad during 01-08-22 to 05-08-22.
19. Attended two day In-House MATLAB Training Program on "Machine Learning, Deep Learning and Image Processing" from 26.07.22 - 27.07.22, organized by Dept. of ECE and EEE, Chaitanya Bharathi Institute of Technology(A), Hyderabad.
20. Attended 5 days FDP "Machine Learning and Predictive Analysis using Python" CSE department, NITTTR, Chandigarh during 11-07-22 to 15-07-22.
21. Attended 10 Days FDP "Deep Learning and Machine Learning Applications" CSE department Vasavi college of Engineering in association with IIITDM, Kurnool under the Scheme of Electronics & ICT Academy Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI during 18-04-2022 – 28-04- 2022.
22. Attended 5 days FDP from 23-05-22 to 27-05-22 at CSE Department, NITTTR Chandigarh, on "Cloud,Fog and Edge Computing" .
23. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Deep Learning for Computer Vision" from 23-08-21 to 27-08-21
24. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Research Trends in Computer Vision and Natural Language Processing" from 19-07-21 to 23-07-21
25. Participated & completed successfully Online FDP through Finland Labs on "Image Processing Using OpenCV Python" from 11-05-21 to 15-05-21
26. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Applications of Computer Vision" from 22-02-21 to 26-02-21
27. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Data Sciences" from 1-2-2021 to 5-2-2021at Dr.Ambedkar Institute of Technology.
28. Participated in the AICTE sponsored online Short Term Training Programme on "Internet of Things(Everything)–Future" slot 2 organized by Department of Computer Science and Engineering, B S Abdur Rahman Crescent Institute of Science and Technology, from 07-09-2020 to 12-09- 2020.
29. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Data Sciences" from 2020-9-21 to 2020-9-25 at National Institute of Technology - Karnataka.

30. Successfully completed National Level Quiz on NBA on 6-6-2020, organized by the Department of Computer Engineering, P.V.P.P. College of Engineering, Mumbai-22.
31. Participated in 5-Day Global E-Symposium on "Global Pandemic Outbreak: Role of Technology & Automation" organized from 1st June, 2020 – 5th June 2020 by Department of Computer Science and Engineering, JSS Academy of Technical Education, Noida.
32. Participated in 5 Day Faculty Development Program conducted by Department of Computer Science and Engineering, CMR Technical Campus in association with AI Center of Excellence partnered with Blackbuck Engineers from 18-05-2020 to 22-05-2020.
33. Attended the IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28-04-20 to 22-05-2020
34. Successfully completed online Faculty Program on NBA on 5-3-2020, organized by Bharati Vidyapeeth College Of Engineering, Navi Mumbai-400614.
35. Successfully completed the course "Introduction to Data Science in Python" an online non-credit course authorized by University of Michigan and offered through Coursera.
36. Successfully completed the course "Programming for Everybody (Getting Started with Python)" an online non-credit course authorized by University of Michigan and offered through Coursera
37. Completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Data Sciences" from 20-04-2020 to 24-04-2020 at MSME – TECHNOLOGY DEVELOPMENT CENTRE (PPDC) Meerut.
38. Successfully completed a Course "Introduction to Industry 4.0 an Industrial Internet of Things" from Jan 20 to Apr 20 conducted by NPTEL.
39. Attended "TECHTARA", A 2day conference to "Celebrate, Inspire, Network" Women in Technology and Society, CBIT, 6th-7th Mar, 2019
40. Participated in One week Refresher Programme on "Artificial Intelligence Based Internet Of Things", 26-11-2018 To 01-12-2018, Department Of CSE, CBIT (A).
41. Participated in One week National level faculty development programme on: "Avenues for technology & Research in IoT", during 11-12-2017 to 16-12-2017 Organized by IT Dept., MGIT.
42. Participated in "Data Analytics using R" organized by dept of IT, CBIT during 20-03-2017 to 25-03-2017.
43. Participated in One week national level faculty development programme on: "emerging trends, issues and challenges in BIG DATA & cloud computing", during 20-02-2017 to 25-02-2017 organized by CSE Dept., CBIT.
44. Attended One Day Faculty Development Program on "Overview on IT Infrastructure Services" – Cognizant, 30-05-2017.
45. Attended One Day Faculty Development Program on "Project Management Skills"- Cognizant, 09-05-2017.
46. Attended a two day workshop on "Internet of Things Using Raspberry Pi 3"-on 6-03-2017 to 07-03-2017 by CBIT, Hyderabad.
47. Attended A two day workshop on "Privacy Preserving & ICT: Research Ideas"- CBIT, Hyderabad on 2-03-2017 to 3-03-2017.

48. Participated One Week Faculty Development Program on "Emerging Trends, Issues and Challenges in Big Data & Cloud Computing (ETICBDCC-2017)", 20-02-2017 to 25-02-2017, CBIT, Hyderabad.

Details of Journal Publications/
Conferences (National and
International)

International Journal

1. Isha Padhy (2025) "An Efficient Camouflaged Image Segmentation with Modified UNet and Attention Techniques" Scientific Reports.
2. Isha Padhy (2024) "Camouflaged object detection using hybrid-deep learning model" Multimedia Tools and Applications, <https://doi.org/10.1007/s11042-024-20371-z>.
3. Padhy, I (2024). Multiclass Classification of Camouflage Images Using Combined WLD and LPQ Feature Set Using a ANN Classifier. In: Kumar Jain, P., Nath Singh, Y., Gollapalli, R.P., Singh, S.P. (eds) Advances in Signal Processing and Communication Engineering. ICASPACE 2023. Lecture Notes in Electrical Engineering, vol 1157. Springer, Singapore. https://doi.org/10.1007/978-981-97-0562-7_6
4. Isha Padhy (2022) "A YCbCr Model Based Shadow Detection and Removal Approach On Camouflaged Images" IEEE, Page(s):574 - 579, 10.1109/OCIT56763.2022, Dec 2022
5. Isha Padhy (2022) "Reducing Atmospheric Turbulence In Images Captured Through CCTV In War Field Area" IJAR, Vol 10, Issue Apr, 2022
6. Isha Padhy (2020) "A Systematic Review on Open Networking Challenges in IoT Domain" IJCSMC, Vol-9, Issue10, PP 104 DOI: 10.47760/ijcsmc.2020.v09i10.013
7. Isha Padhy (2018) "your safety, our concern" IJETSR, Vol-5 Issue 1, ISSN 2394-3386 on Jan-2018

International/National Conference

1. Isha Padhy(2025) "TD3 Based Reinforcement Learning for News Article Recommendation" in the 3rd International Conference on Intelligent Cyber Physical System and Internet of Things, EEE, JCT College of Engineering and Technology, during 17 to 19 September 2025 at Coimbatore.
2. Isha Padhy(2023) "Multiclass Classification of camouflaged Images using Combined WLD and LPQ Feature Set using a ANN Classifier" in the 2nd International Conference on Advances in Signal Processing & Communication Engineering (ICASPACE-2023) organized by Department of Electronics and Communication Engineering, Mahatma Gandhi Institute of Technology(A), Hyderabad, Telangana, India during 28 to 29 April 2023.
3. Isha Padhy, Priyadarshi Kanungo, Sampa Sahoo(2022) "A YCbCr Model Based Shadow Detection and Removal Approach On Camouflaged Images" 2022 OITS International Conference on Information Technology (OCIT),KIIT, Bhubaneswar, 14-16 Dec. 2022
4. Isha Padhy (2018) "Interactive Learning in Mixed Reality", XVI International Conference on Recent Trends in Engineering, Applied Science and Management, Osmania University Centre for International Program, Hyderabad (India), 19-05-2018.
5. Isha Padhy (2018), "your safety, our concern", "(ICAEASM-2018) on 28-01-18.