Faculty Profile

Name	: Dr. Priya Dalal
Designation	: Assistant Professor
Qualifications	: Ph.D., M.Tech(CSE), B.E(CSE)
Phone	9467872400
Email	: priya@msit.in

Area of Interest/Specialization: Internet of Things

Cloud Computing

Experience : 11 +years

1. Assistant Professor in Maharaja Surajmal Institute of Technology (MSIT), affiliated to Guru Gobind Singh Inderprastha University, Delhi from 14th Febrauary 2022.

2. Assistant Professor in Maharaja Surajmal Institute of Technology (MSIT), affiliated to Guru Gobind Singh Inderprastha University, Delhi from 7th Jan 2018 to 25th April 2019.

3. Assistant Professor in Akido College of Engineering, affiliated to Maharishi Dayanand University, Rohtak, Haryana from 8th August 2014 to 4th Jan 2009.

Journal Publications:

1. G. Aggarwal, M. P. Dalal, and S. Tejasvee, "**Implementation of Integrated Model of Health Care System under IoT for Enhancement of Service Deliverance Power**," pp. 9573–9593, 2021.

2. P. Dalal, **"Study of Role of ICT in Social Incorporation and Education of Young Generation**," vol. 7, no. 8, pp. 1503–1509, 2020.

3. G. Aggarwal, P. Dalal, and S. Tejasvee, "**IMPLEMENTATION OF HEALTHCARE MONITORING SYSTEM VIA INTERNET OF THINGS (IoT): AN INTEGRATED MODEL FOR THE ENHANCEMENT OF DELIVERANCE**," vol. 8, no. 2, pp. 364–370, 2021.

4. P. Dalal, T. Sharma, N. Anand, and U. Kumar, "**Detecting Malaria using Deep Learning Models** ," *Journal of Data Acquisition and Processing (JCST)*, BHOPAL,, pp. 273-280, doi: 10.5281/zenodo.7766179.**SCOPUS**

5. Raj, Geetanjali, Ankit Verma, Priya Dalal, Abhishek Kumar Shukla, and Puneet Garg. "**Performance Comparison of Several LPWAN Technologies for Energy Constrained IOT Network**." *International Journal of Intelligent Systems and Applications in Engineering* 11, no. 1s (2023): 150-158. **SCOPUS**

Papers presented in Conferences

1. M. P. Dalal, "**The Internet of Things in Healthcare and its Key Monitoring Systems**," pp. 1–5.

2. P. Dalal, G. Aggarwal, and S. Tejasvee, **"The Internet of Things in Healthcare and its Key Monitoring Systems,"** vol. 3, no. Icicc, pp. 1–41, 2021.

3. P. Dalal, G. Aggarwal, and S. Tejasvee, "**Preeminent development boards to design sustainable integrated model of a smart healthcare system under IoT**," *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 1022, no. 1, 2021, doi: 10.1088/1757-899X/1022/1/012004.

4. P. Dalal, G. Aggarwal, and S. Tejasvee, "**Subsequent Technologies behind IoT and its Development Roadmap Towards Integrated Healthcare Prototype Models.**"

5. "**Transfiguring Healthcare Through IoT**- By Ms Priya Dalal," 2020.

6. P. Dalal, G. Aggarwal, and S. Tejasvee, "**Enabling Technologies in IoT Based Renewable Energy Efficient Systems for Healthcare Monitoring.**"

7. T. Sharma, P. Dalal, M. Kalra, Komal and A. Kureel, "BIT EXCHANGE: A Cryptocurrency Exchange System Based On Blockchain," *2023 1ˢᵗ International Conference on Innovations in High Speed Communication and Signal Processing (IHCSP)*, BHOPAL, India, 2023, pp. 295-299, doi: 10.1109/IHCSP56702.2023.10127154.**SCOPUS**

8. P. Dalal, T. Sharma, Y. Garg, P. Gambhir and Y. Khandelwal, ""JARVIS" - AI Voice Assistant," *2023 1st International Conference on Innovations in High Speed Communication and Signal Processing (IHCSP)*, BHOPAL, India, 2023, pp. 273-280, doi: 10.1109/IHCSP56702.2023.10127134.**SCOPUS**

Patent

1. **DEVELOPMENT OF ARTIFICIAL INTELLIGENCE BASED TRAFFIC MANAGEMENT SYSTEMS FOR EMERGING VEHICLES** (Patent filed on 31/01/2021 & Published on 29/01/2021, Application No: **202141000081**, The Patent Office Journal No. 06/2021 dated 05/02/2021, Part 1 & Page No: 5242)

2. **IOT BASED PERFORMANCE IMPROVEMENT OF ELECTRIC VEHICLES ENERGIZED BY SMART GRIDS** (Patent filed on 02/01/2021 & Published on 29/01/2022, Application No: **202141004191**, The Patent Office Journal No. 05/2021 dated 29/01/2021, Part 1 & Page No: 4323)
3. **Internet of Things Based Camera For Healthcare Management (**(Patent filed on 30/08/2022 & Published on 15/12/2022, Application No: **370133-001**)

Book Published

1. T., Sharma, N., Anand, K., Gaurav, G., & Priya , 2023, **"*Data Science and Machine Learning Using Python* ",** Alpha International Publication, ISBN: 978-9-357-62076-5

Achievements

1. Received certificate of appreciation for "INTER COLLEGE B.TECH MAJOR PROJECT COMPETITION-2019" Organized by GGSIPU, New Delhi.

Course Completed

1. Completed course on "Introduction to the Internet of Things and Embedded Systems" by Coursera on 6th Jan 2020.
2. Completed course on "The Arduino Platform and C Programming" by Cousera on 6th May 2020.

One Week FDP's ATTENDED

1. Participated in one week FDP on "Contemporary Issues and challenges in Management, Education & IT organized by MSIT, during Feb 5th to 9th 2019.
2. Participated in FDP on "Indian Electricity Rule & Code Practices" from 16th to 20th Dec 2019 organized by NITTTR, Kolkata.
3. Participated in FDP on "Machine Learning Using Python" from 2nd to 6th March 2020 organized by MSIT,Delhi.
4. Participated in FDP on "Antenna & Wireless Communication Technologies for IOT" from 26th to 30th April 2020 organized by NITTTR, Chandigarh.
5. Participated in FDP on "Cryptography for Network Security" from 3rd to 7th May 2020 organized by NITTTR, Chandigarh.
6. Participated in FDP on "Computing & Signal Processing in IOT Applications" from 23rd to 27th May 2020 organized by QIS College of Engg. & Tech.
7. Participated in one week FDP on "Artificial Intelligence" organized by ATAL Academy held from 15th to 19th June 2020.
8. Participated in one week FDP on "Block Chain" organized by ATAL Academy held from 11th to 26th June 2020.
9. Participated in FDP on "Stress & Health Issues due to COVID-19: Management & Technical Issues" from 6th to 10th July 2020 organized by MAIT,Delhi.
10. Participated in FDP on "Recent Advances in Computer Science & Allied Domains" from 11th july & 12th July 2020 organized by R.C Patel Institute of Technology, Shirpur.
11. Participated in FDP on "World of Cyber Physical Systems and Future Robotics of Industry:Cobotics" from 11th july & 12th July 2020 organized by R.C Patel Institute of Technology, Shirpur.

12. Participated in FDP on "Blockchain & Machine Learning" from 29th June to 3rd July 2020 organized by ATAL.
13. Participated in FDP on "Emerging Trends in Computer Vision and IOT" held from 2nd July 2020 to 6th July 2020 organized by Chitkara University.
14. Participated in FDP on "Role of Computational Intelligence in Society" from 6th july to 11th July 2020 organized by Bharati Vidyapeeth's College of Engineering.
15. Participated in FDP on "Computational Intelligence Systems & Security" from 20th to 24th July 2020 organized by Shri Mata Vaishno Devi University,J&K.
16. Participated in FDP on "Industry Partnered STC on IOT & LoRaWAN Technology using Arduino " from 17th to 21st August 2020 organized by NITTTR, Chandigarh.
17. Participated in One Week STC on "COMPUTER FORENSICS AND CYBER CRIME" Organized by JSS MahaVidyapeetha held from 23rd to 28th Nov 2020.
18. Participated in one week FDP on "Internet of Things" organized by ATAL Academy held from 1st to 5th Dec.2020.
19. Participated in one week FDP on "Advancement of Intelligent System and Computation" organized by JIS College of Engineering from 20 April 2021 to 24 April 2021.
20. Participated in one week FDP on "IOT in 5G Technology" organised by ATAL Academy held from 24th to 28th May2021.
21. Participated in one week FDP on "Inculcating Universal Human Values in Technical Education" organized by AICTE from 17 May 2021 to 21 May 2021
22. Participated in one week FDP on "Mobile Robotics" organized by ATAL Academy held from 16th to 20th June 2021 at IIT, Patna
23. Participated in one week FDP on "Internet of Things" organized by ATAL Academy held from 1st to 5th June 2021
24. Dr. Priya Dalal attended 1 week FDP on the title "Re-Inventing Education Paradigm in India" from 20-24 February, 2023 organized by MSI.
25. Dr. Priya Dalal attended 1 week FDP on the Title "Recent Advancement in Machine Learning and Artificial Intelligence" from 6-10 February, 2023 organized by MSIT.
26. Dr. Priya Dalal participated in 5 Day Faculty Development Program on Cloud Practitioner (AWS) conducted by ICT Academy on 26 June 2023 to 01 Jul 2023 at Maharaja Surajmal Institute of Technology.
27. Dr. Priya Dalal have participated in a professional development workshop on Digital Creativity Skills as a part of "Adobe Academic Essentials" program.

Webinar Attended

1. Attended webinar on "R Programming" on 8th June, 2021 organized by Cabdul Hakeem College of Engg. & Technology.
2. Attended webinar on "Cyber Security" on 7th June,2021 organized by Guru Nanak Dev Engg. College Bidar, Chennai.
3. Attended webinar on "IOT & Block Chain" on 11th June, 2021 organized by G.V.R & S College of Engg. & Tech.
4. Attended webinar on "Solar Power Inverter" on 12th June 2021 organized by S.J.P.N. Trust's Hirasugar Institute of Technology.
5. Attended webinar on "Advanced IOT & Embedded System" on 10th June 2021 organized by Institute of Road & Transport Technology.
6. Attended webinar on "Augmented Reality & Virtual Reality" on 7th June 2021 organized by NITTE Meenakshi Institute of Technology.

7. Attended webinar on "MYSQL with PYTHON" on 9th June 2021 organized by P.B Siddhartha College of Arts & Science.
8. Attended webinar on "FPGA Systems" on 10th June 2021 organized by Saveatha Engineering College.
9. Attended webinar on "Role of ML in Data science" on 14th June 2021 organized by S.L.N. College of Engineering.
10. Attended webinar on "IOT & Embedded Systems" on 8th June 2021 organized by S.L.N. College of Engineering.
11. Attended webinar on "The Evolution of Mobile Wireless Network-Towards 5G & IOT" on 9th June 2021 organized by Sree Dattha Group of Institutions, Hyderabad.
12. Attended webinar on "AI based Object Detection" on 12th June 2021 organized by Swami Vivekananda Institute of Technology.
13. Attended Seminar on "Research & Ethics" on 8th July 2020 organized by Sage University, Indore.
14. Attended Webinar on "Security Issues in IOT" on 6th July 2020 organized by St.Mother Theresa Engineering College, Tamilnadu.
15. Attended Webinar on "Outcome based Education Software" on 9th July 2020 organized by vmedulife Software Services.
16. Attended Webinar on "IOT-Industrial Perspective" on 11th July 2020 organized by BVICAM, New Delhi.
17. Attended Webinar on "Wireless Communication & Future of IOT" on 12th August 2020 organized by SSGM College of Engineering, Shegaon.
18. Attended Webinar on "Ethical Issues in Research" on 17th June 2020 organized by MSIT, New Delhi.
19. Attended Webinar on "Blockchain-Technological Perspective" on 9th July 2020 organized by BVICAM, New Delhi.
20. Attended Webinar on "Energy Efficiency in Smart Buildings Through IoT Sensor Integration" on 20th June 2020 organized by MSIT, Delhi

Major Responsibilities Held at College

1. Proctor Responsibilities
2. Mentor Responsibilities
3. Project Guide
4. Farewell Event Organizing Team member
5. Timetable Incharge
6. Coordinator at GGSIPU Inter College Major Project Competition.
7. Organizing Committee member at ICAIA, 2020 held at MSIT
8. GDSC Faculty Advisor
9. Internet Committee

B.Tech Courses Taught

1. Computer Networks
2. Computer Organization & Architecture

3. Computer Graphics
4. Theory of Computation
5. Internet Fundamentals
6. Ad Hoc and Sensor Networks
7. Algorithm Design and Analysis

Dr. Priya Dalal