

## Curriculum Vitae

Name: **Dr. Dipa D Dharmadhikari**

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Guru lawns, Aurangabad

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Mobile: +91-9890585475, 9588600952

Date of Birth: 13<sup>th</sup> May 1978



Academic Credentials					
Class/ Degree	Specialization	Institution	University	Year	Class
PhD	Computer Science and Engineering	Dr. BAMU, University, Aurangabad	Dr. Babasaheb Ambedkar Marathwada University, Chhap. Sambhajinagar	Dec 2024	Completed
ME	Computer Science & Engineering	Government Engineering College, Aurangabad.	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.)	May 2010	Distinction
BE	Computer Science & Engineering	TPCT's College of Engineering, Osmaniaabad	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.)	July 2001	Distinction

**M.E. Project:** Maximum Power Point Tracking Algorithm For Photovoltaic System Using Simulation

**PhD Research Topic:** “Augmented Public Integrity Scheme for Shared Dynamic Data with Efficient Group User Revocation”

**Key Research Area** – Cloud Computing, Cloud Security, Artificial Intelligence, Big Data Analytics

**Ph. D (CSE)**

<b>Title</b>	Augmented Public Integrity Scheme for Shared Dynamic Data with Efficient Group User Revocation
<b>Guide</b>	Dr. Sharvaree C Tamane
<b>University</b>	Dr. BAM University, Aurangabad
<b>Completed</b>	DEC 2024

**Experience**

Sr. No.	Organization	Post	From-To	No. of Years
1	GSM's MIT Aurangabad	Assistant Professor In CSE Department	2011-till date	13yrs 6 Month
2	VeermataJijauWomen's Engineering College Aurangabad	Assistant Professor	2010-2011	1 year and two month
3	MSS College of Engineering and Technology, Jalna	Lecturer & HoD (CSE)	2005-2010	5 yrs
4	Amrutvahinini Sangamner	Lecturer	2001-2005	5 yrs

**List of Courses Taught/Teaching at UG level:**

- Introduction to Artificial Intelligence
- Design and Analysis of Algorithm
- Artificial Intelligence
- Human Computer Interaction
- Database Management System
- Cloud Computing
- Computer network
- Computer Network & cloud Computing
- Advance Database Management System
- Software Engineering
- Software Testing & Quality Assurance

- Data Communication
- Information & Cyber Security
- Data Mining& warehouse

**List of Courses Taught/Teaching at PG level:**

- Cloud Computing
- Cloud Analytics
- Big Data Analytics
- Software Architecture Design
- Software Reliability
- Software Requirement Management System
- Software Requirement Specification Design
- Software Testing

**Additional Assignments/Duties:**

1. Syllabus Design for Artificial Intelligence ,Database Management System SY Btech Autonomous),Big Data Analytics,Cloud Computing, Blockchain (final year autonomous), Mtech Cloud Analytics,Computer Network& Cloud Computing (TY Computer Science & Design)
2. Syllabus Design for NEP Honor minor track for SY CSD, SY AIDS AIKR
3. Syllabus Designed for subject Cloud Computing Bachelor of Vocation In Software Development, 21st Oct 2022 at MIT
4. Syllabus designed for subject Artificial Intelligence and Application (Btech AIML) University Department of Information and Communication Technology 6th may 2021
5. Working as Central & Departmental NAAC coordinator from 2022 to till date
6. Worked in Central Academic Monitoring Coordinator during the Year of 2024-25.
7. Working as Mtech Coordinator from 2021 to till date
8. Worked as coordinator in Gen AI Hackathon in 2023 -24, and New GenAIHackathon in 2024-25.
9. Worked as Coordinator for the Aurangabad CSI Chapter Treasurer in 2021-22
10. Worked as co-convenorfor Regional/National Young It Professional Awards 2020 at CSMSS, Aurangabad in the year 2020
11. Worked as treasurer CSI Aurangabad Chapter Dec 2019 to 2021.
12. Worked as Departmental Class test coordinator for one year 2018-2019

13. Worked as class teacher during academic year 2019--21 for TY CSE & final Year CSE class.
14. Worked as Coordinator for the Aurangabad CSI Chapter Vice President during 2017-18, Secretary in 2016-17..
15. Worked as departmental CSI Coordinator from 2011 to 2017.
16. Worked as departmental LIC coordinator for two academic year 2016-17 and 2017-18.
17. Worked as Under Study in Dr B A M University examination in Nov/Dec 2016.
18. Worked as a Food committee member for Youth Festival, for year 2014
19. Worked as co-convenor for Regional Young It Professional Awards 2014 at MIT, Aurangabad in the year 2014-15.
20. Syllabus Designed of Cloud Computing, Green IT, Dr. Babasaheb Ambedkar University, Aurangabad, 2014-15

Working as a Lab-In charge of Computer Software Lab from 2011 to till date

#### **Membership of Professional Bodies:**

Life member of ISTE LM 30050

- Life member of CSI # 00100501
- Life Member of IETE -F-502100

#### **Certifications**

Microsoft Certified Azure AI Fundamentals. January 26, 2025

Microsoft Azure Fundamental, January 12, 2025

#### **Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Attended:**

1. Participated in One Week Faculty Development Programme on I for Healthcare:
2. Innovations, Applications and Future Trends Department of CSE-DS & CSE-IoT CSBT ,Vishwakarma Institute of Information Technology, Pune on 10th-14th February 2025.
3. Participated in One Week Faculty Development Programme on Data Science Expedition Insights with Machine Learning and Deep Learning – MIT, Chh. Sambhajinagar, 1st July to 5th July 2024
4. Participated in FDP on Cognitive Computing for Smart Applications – VIIT, Pune, 18th March to 22nd March 2024

5. Participated in One Week Online FDP on Artificial Intelligence & Generative Model IT Department, VIT, Pune, 15th Jan to 19th Jan 2024
6. Participated in 12-week NPTEL FDP on NATE – NPTEL, Jan-Apr 2023
7. Participated in NPTEL Online Certification – NPTEL, Jan-Apr 2023
8. Participated in 3-Day Workshop on Data Analytics and Visualizations using Power BI Edureka Lab, 27th - 29th March 2023
9. Participated in 5-Day FDP on Deep Learning Application Development – VIT Pune, 28th Feb - 4th March 2023
10. Participated in One Week FDP on "Innovation Research and IPR" – SPCE, Mumbai, 1st - 5th March 2023
11. Participated in STTP on Recent Trends in Information & Cloud Security – GH Raisoni, Nagpur, 9th - 14th Jan 2023
12. Participated in FDP on "Data Science Tools and Research" – VIIT, Pune, 1st Nov - 5th Nov 2022
13. Participated in 3-Day FDP on Demystify AI MIT, Aurangabad, 17th - 19th Oct 2022
14. Participated in AICTE-ISTE Approved Refresher Programme on "Drive Digital Transformation - The Leading-edge Technology" – JNEC, MGM University, Aurangabad, 18th - 24th Feb 2022
15. Participated in 3-Day Workshop on "Blockchain and its Applications" – University Department of ICT, MGM University, Aurangabad, 8th - 10th March 2022
16. Participated in AICTE-ISTE Sponsored One Week Refresher Programme on "Data Science & its Applications" – ABHA Gaikwad-Patil College of Engineering, Nagpur, 30th Dec 2021 - 5th Jan 2022
17. Attended AICTE-Sponsored Virtual STTP on Awareness of Intellectual Property Rights for Engineers & Industrialists – S.G. Balekundri Institute of Technology, Belagavi, 7th - 12th Dec 2020
18. Attended Deloitte One-Week Training on Data Analytics – MIT, Aurangabad, Aug 2020
19. Attended National Level Online FDP on Online Teaching-Learning Using ICT Tools for Education 4.0 – SVPCET, Nagpur, 8th - 13th June 2020
20. Attended Online FDP on Cloud Computing using AWS – Trinity College of Engineering & Research, Pune, 3rd - 7th June 2020
21. Attended Three-Day Workshop on Blockchain Fundamentals – TEQIP III, 2nd - 4th July 2019

22. Attended STTP on Cloud Computing & Virtualization – JNEC, Aurangabad, 26th - 30th June 2017
23. Attended Workshop on Core Java & Advanced Java – MituSkillologies, Pune, 2nd - 7th Jan 2017
24. Attended FDP on Advanced Java – MIT, Aurangabad, 2nd - 7th Jan 2017
25. Attended FDP on Emerging Technologies in Open Source – 27th June - 1st July 2016
26. Attended Workshop on Python – MIT, Aurangabad, 9th - 10th Aug 2015
27. Attended STTP on Big Data and Analytics with R – MituSkillologies, Pune, 4th - 9th June 2015
28. Attended Workshop on Computer Networks – In association with IIT Bombay, MIT, Aurangabad, 5th - 10th May 2014
29. Attended FDP on Latest Technology Trends – Infosys, Pune, 10th - 12th Sept 2014
30. Attended STTP on Big Data Analytics – P.E.S, sponsored by IETE Aurangabad, 2nd - 6th June 2014
31. Attended Young IT Professional Award and Conference on Recent Trends in IT – ICAI, Aurangabad, 28th Feb - 1st March 2014
32. Attended 48th Annual Convention of Computer Society of India – Visakhapatnam
33. Attended FDP on Faculty and Content Development – MIT, Aurangabad & CSI Aurangabad Chapter, 8th - 10th July 2013
34. Attended Two-Week ISTE Workshop on Database Management Systems – IIT Bombay, Remote Center at MIT(E), 21st - 31st May 2013
35. Attended Workshop on Model-Based Design and Development – CSI Aurangabad Chapter, 1st - 2nd Feb 2013
36. Attended ISTE Workshop on Aakash for Education – MIT, Aurangabad, 10th - 11th Nov 2012
37. Attended ISTE Workshop on Introduction to Research Methodologies – IIT Bombay, Remote Center at MIT(E), 25th June - 4th July 2012
38. Attended FDP on Research Methodology and Advances in Computer Science – CSI & Department of CSE, MIT, Aurangabad, 30th April - 5th May 2012
39. Attended FDP on Research Directions in Cloud Computing – Dyanganga Institute of Engineering & Research, Pune & CSI, 15th - 16th Nov 2011

#### **ORGANISING WORKSHOP/CONFERENCES**

1. Organized Zen AI Event in association with IETE and IGNITE Association – MIT Chatrapati Sambhajnagar – 11<sup>th</sup> April to 13<sup>th</sup> April 2025.
2. Organized EvenZen 3.0 under IGNITE Association – MIT Chatrapati Sambhajnagar – October 2024
3. Organized NewGenAIHackathon – MIT Chatrapati Sambhajnagar – July to August 2024
4. Organized EvenZen 2.0 under IGNITE Association – MIT Chatrapati Sambhajnagar – March 2024
5. Japanese Delegate Interaction – MIT Chatrapati Sambhajnagar – 6th August 2024
6. Organized GenAIHackathon – MIT, Aurangabad – July to August 2023
7. Japanese Delegate Interaction – MIT, Aurangabad – September 2023
8. Organized FDP on Demystify AI – MIT, Aurangabad – October 2022
9. Organized Student Development Program AVHAN under IGNITE Association – MIT, Aurangabad – March 2022
10. Organized International Web Conference on Impact of COVID-19 on Education System – 30th May 2020
11. Organized International Web Conference on Impact of COVID-19 on Library System – 30th May 2020
12. Organized or as part of an International Conference on Smart Computer Applications and Innovations 2018 – MIT, Aurangabad
13. Keynote Address on Big Data and Analytics – MIT Aurangabad – 9th September 2017
14. Expert Talk on Introduction of TRIRIGA Technology – MIT Aurangabad – 6th September 2017
15. Three Days Workshop on Python – MIT Aurangabad – 26th to 28th August 2017
16. Three Days Workshop on IoT – MIT Aurangabad – 29th to 31st July 2017
17. State Level Event Cybernetics – MIT Aurangabad – 7th to 8th October 2016
18. Workshop on Hands-on Session on Python – MIT Aurangabad – 19th to 22nd August 2016
19. Big Data and Analytics with R – MIT Aurangabad – 4th to 9th June 2016
20. 48 Hours Workshop on Aptitude & Communication Skill – MIT Aurangabad – 2nd February to 19th April 2015
21. Regional & National Young IT Professional Award – JNEC Aurangabad – 25th March 2015

22. One Day Workshop on Open Source Testing Tool Selenium – MIT Aurangabad – 18th April 2015
23. State Level Event Cybernetics – MIT Aurangabad – 10th to 11th October 2014
24. One Day Workshop on Big Data Analytics – MIT Aurangabad – 9th August 2014
25. Inter-college Symposium on Video Clipping Competition – MIT Aurangabad – 8th to 9th August 2014
26. Young IT Professional Award and Conference on Recent Trends in IT – ICAI, Aurangabad – 28th February & 1st March 2014
27. One Day Hands-on Workshop on Cloud Computing – MIT(E) – August 2013-14
28. One Day Workshop on Ethical Hacking – MIT(E) – September 2013-14
29. Expert Talk on Digital Image Processing – MIT(E) – October 2013-14
30. Three Days Faculty Development on Faculty & Content Development – MIT(E) – July 2013-14
31. Microsoft Appfest Event One-Day Workshop – MIT(E) – 26th February 2013
32. One Day Workshop on Electronics System Design & Manufacturing – MIT(E) – March 2012-13
33. Expert Lecture on Interaction with Students about CSI Activities – MIT(E) – August 2012-13
34. Motivational Talk – MIT(E) – October 2012-13
35. Expert Talk on Virtualization – MIT(E) – April 2012
36. Cloud Computing Workshop – MIT(E) – February 2012
37. CSI Aurangabad Student Branch Formation – MIT(E) – 2011

**Invited talks delivered**

- Delivered workshop on Cloud Computing, MIT, Department of Electronics & Telecommunication Engineering, 17th June 2022.
- Delivered Workshop on Cloud Computing, Dnyanshree Institute of Engineering & Technology (DIET) Sajjangad Road, Satara, 15th Dec 2020
- Delivered one day expert talk on “Cloud Computing Devgiri Institute of Engineering and Management Studies Aurangabad, 22nd Aug 2017
- Delivered one day workshop on “Cloud Databases “Raisoni College of Engineering, Pune, 17th Aug 2017



## Intellectual Property Rights

### Detail of Patent

S.No	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/ Country	Status
1	IOT AND ARTIFICIAL INTELLIGENCE BASED DETECTION AND PREVENTION OF PLANT DISEASE WITH SMART DRIP IRRIGATION SYSTEM USING BLOCK CHAIN TECHNOLOGY AND DEEP LEARNING	DipaDharmadhikari	202421022781	03/05/2024	India	Published
2	A SECURE CLOUD-BASED E-HEALTHCARE SYSTEM FOR A MULTI-TENANT	Ms.DipaDharmadhikari	202022100359	10/03/2022	German	Published

## List of Research Publications

### Papers in National /International Conference Proceedings

1. DipaDharmadhikari, SharvareeTamane,: „**Multi objective ameliorated repetitive resource allocation algorithm for cloud resource scheduling and allocation**”,conference proceeding on Application of Machine Intelligence and Data Analytics (ICAMIDA2022) [10.2991/978-94-6463-136-4\\_34](https://doi.org/10.2991/978-94-6463-136-4_34)(Springer Proceeding /Scopus).
2. R Gore, A Mishra, R Deshmukh, D Dharmadhikari,” **Unearthing The Lonar Crater using Hyperspectral Remote Sensing and Validating Through Non-destructive Approach**”, conference proceeding on Application of Machine Intelligence and Data Analytics (ICAMIDA2022) [10.2991/978-94-6463-136-4\\_66](https://doi.org/10.2991/978-94-6463-136-4_66)<https://www.atlantispress.com/proceedings/icamida-22/125986304>(Springer Proceeding /Scopus).
3. DipaDharmadhikari, SharvareeTamne, “ **Secure Cloud Based E-HealthCare System using Ciphertext-Policy Identity-Based Encryption (CP-IBE)**”, *Smartcom 2019, Bangkok, Thailand, 24-25 Jan 2019*((Springer Proceeding /Scopus)
4. PriyankaPatil, DipaDharmadhikari, SmitaKasar, “**Scheduling of Scientific Workflows using Genetic Algorithm in Cloud Computing**”, *presented in International Conference on Smart Computer Applications and Innovations (ICSCAI 2018), to be published in Journal of Computational and TheoreticalNanoscience*21st - 22nd December 2018.
5. DipaDharmadhikari, SharvareeTamne.: **Public Auditing Schemes (PAS)for Dynamic Data in Cloud: A Review**, *Springer, SmartCom 2017, CCIS 876*, pp.186-191 (2018).Scopus
6. PriyankaShinkar, DipaDharmadhikari,”**Promoting Distributed Accountability for Data sharing in the Cloud**” at *RICE Conference* April 2016.
7. GopalLahoti, DipaDharmadhikari,” **Multi-server Model for Profit Maximization in Cloud Computing**”, at *RICE Conference* April 2016
8. Ganesh Kadam, DipaDharmadhikari,” **Cloud Auditing with Zero Knowledge Privacy** selected for *international conference on Recent Trends in Engineering*

*&Technology 2014 powered by ELSEVIER at SNJB Chandwad on 28<sup>th</sup> to 30<sup>th</sup> March,2014.*

9. RanjanaDhake, DipaDharmadhikari, “Evolutionary Computation “for international conference on Advance in Computing at Anuradha Engineering college, Chikali on Feb 2008.

#### **Papers in InternationalJournal**

1. DipaDharmadhikari, SharvareeTamane,,: “**Augmented security scheme for shared dynamic data with efficient lightweight elliptic curve cryptography**”*.Sept 2023DOI: 10.20535/SRIT.2308-8893.2023.3.02(Scopus)*
2. DipaDattatrayDharmadhikari, SharvariChandrashekharaTamane, “**SDAC - Secure Data Storage and Position Based Access Control in Cloud Using Key Sharing System**”, Indian journal of computer science and engineering [DOI: 10.21817/indjcse/2022/v13i6/221306027](https://doi.org/10.21817/indjcse/2022/v13i6/221306027)2022-23 (Scopus)
3. AditiJadhav,” **Sign Language Recognition using CNN**, “at *Journal of Emerging technologies and Innovative Research (JETIR)* ISSN:2349-5162, volume9,issue9,Sept 2022.
4. DipaDharmadhikari, SonalNavpute,” **Collaborative Filtering Based Web Service Prediction & Recommendation**” *,International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)*, volume 11, issue7, July 2022.
5. Pooja S. Kulkarni, Dipa D. Dharmadhikari,” **Age and Gender Estimation based on Face Detection** *,International Journal of All Research Education and Scientific Methods (IJARESM)*, ISSN: 2455-6211, Volume 9, Issue 11, November-2021
6. Ashwini. Khandarkar, Ms. DipaD.Dharmadhikari,” **Optimizing Provider bandwidth and user latency in a software-defined datacenter**” at *International Journal of Advance Scientific Research and Engineering Trends*, ISSN (Online) 2456-0774, Volume 6, Issue 12,December 2021.
7. DipaDharmadhikari, Sonal Deshpande,” **Key Policy Attribute Based Encryption in Cloud Storage**” at *IOSR Journal of Computer Engineering (IOSR-JCE)* e-ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 18, Issue 4, Ver. I (Jul.-Aug. 2016), PP 00-00

8. Heena Shaikh, DipaDharmadhikari,"Neuro-Fuzzy Classifier System Based on Class-Based Grouping and EM Clustering Algorithm",*IJESC*, volume 7,Issue No .5,2017
9. PratapMohite, DipaDharmadhikari," **Secure Data Sharing Using Compact Summation key in Hybrid Cloud Storage**" ,*IOSR Journal of Computer Engineering (IOSR-JCE)* e-ISSN: 2278-0661, ISSN: 2278-8727, Volume 17, Issue 1, Ver. I (Jan – Feb. 2015), PP 53-59, Jan-Feb 2015.
10. PriyankaShinkar, DipaDharmadhikari," **Promoting distributed policy enforcement and accountability for data sharing in the cloud** "is published in *Multidisciplinary Journal of Research in Engineering and Technology* ISSN:2348-6953, Volume 1, Issue3, Pg.279-287 Oct 2014.
11. BhaganagareRavishankar, "**Web Personalization Using Ontology: A Survey**" is published in *IOSR Journal of Computer Engineering (IOSRJCE)*, Volume 1, Issue 3 ISSN: 2278-0661 PP 37-45,May-June 2012
12. Gite S.N, Dharmadhikari D.D.,"**Educational Decision Making Based On GIS**" is published in *International Journal of Recent Technology and Engineering (IJRTE)*, ISSN: 2277-3878 Volume-1, Issue-1, April 2012.
13. Ms. PallaviChaudhari, DipaDharmadhikari,"**Clustering With Multi-Viewpoint Based Similarity Measure: An Overview**",*International Journal of Engineering Inventions (IJOEI)*, ISSN: 2278-7461 Volume 1, Issue 3. Sept 2012.
14. DipaDharmadhikari," **The statistical analysis of audio watermarking using the discrete wavelets transform and singular value decomposition**" International Journal of Computing & Corporate Research (IJCCR) ISSN(online)2249-054X Volume-2, Issue-1, January 2011
15. Gore Ranjana, DipaDharmadhikari, "**Classification of Schizophrenic and Controls Using FMRI data**", International Journal of Computing & Corporate Research (IJCCR)ISSN (online)2249-054X Volume-1, Issue-2, Sept 2011.
16. ArtiWadhekar, DipaDharmadhikari," **Mobile Asset Management System**" is published in *international Journal of Graphics & Image Processing* (IJGIP)ISSN 2249 – 5452 Vol-1, Issue -1, August 2011.

17. DipaDharmadhikari, ArtiWadhekar,” **Maximum Power Point Tracking Algorithm For Photovoltaic System Using Simulation**” at International Journal of Graphics & Image Processing| (IJGIP) ISSN 2249 – 5452 Vol-1, Issue -1, August 2011.

**NPTEL Certification**

Duration (in Weeks)	Course Name
12	NPTEL NATE
12	Academic writing
12	Cloud Computing

**Research/ProjectUndertaken**

**PhD ResearchTopic:** “Augmented Public Integrity Scheme for Shared Dynamic Data with Efficient Group User Revocation”

**Key Research Area** – Cloud Computing, Cloud Security, Artificial Intelligence, Big Data Analytics

**M.E.Project:**Maximum Power Point Tracking Algorithm For Photovoltaic System Using Simulation

UG Guide: Successfully guided more than 70 students

PGGuide:SuccessfullyGuided24Students

Date: 9<sup>th</sup> Feb 2024  
Place: Aurangabad