

Curriculum Vitae

Dr. TEJASHREE TEJPAL MOHAREKAR

MCA, NET, Ph. D

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Shivaji University, Kolhapur PhD in Computer Application with 5+ years of research experience in Data Science and Machine Learning. Research-oriented, dedicated and reliable professional Assistant Professor position at University with an opportunity for continuous growth in the field of Computer Technology. Look forward to utilize teaching and research skills to support the Department.

Educational Qualifications

| Degree | Year | School/Institute | Board/ University | Marks |
|---------------------------------------|------------|--|--------------------|------------------|
| NET (Computer Science & Applications) | June-2018 | UGC-Delhi | UGC-Delhi | Qualified |
| PhD in Computer Application | March 2021 | Shivaji University, Kolhapur | Shivaji University | Awarded |
| MCA | 2014 | VPIMSR, Sangli | Shivaji University | 81.93 % |
| BCA | 2011 | VPIMSR, Sangli | Shivaji University | 79.06 % |
| HSC (Science Stream) | 2007-08 | L. G. R. Purohit Kanya Prashala Sangli | Kolhapur Board | 67.17 % |
| SSC (English Medium) | 2005-06 | New English School, Miraj. | Kolhapur Board | 68.66 % |

Ph.D Topic:

**Design and Development of Data Mining Model with special reference to
Post graduate students of Shivaji University**

Indian/UK Patent Filed/Published:

| Sr. No | Title of Patent | Application Id/Patent Id | Status |
|---------------|---|-----------------------------------|---|
| 1. | Machine Learning-Based Wearable Health monitoring Device | Design Number: 6285136 | Grant Date: 4th June 2023 |
| 2. | AI Based Crop Yield Protection and Control with efficient use of Fertilizers using IoT | 202141009208 | Patent Filed Date: 05/03/2021 |
| 3. | Internet of Things based Smart security and home automation system | 202141040226 | Patent Published Date: 17/09/2021 |
| 4. | Artificial Intelligent And Cloud Based Conversational Robot For Blind People Assistance | 202111054238 | Patent Published Date: 03/12/2021 |
| 5. | Malware Detection Model for android using Machine Learning | 202111037434 | Patent Published Date: 03/09/2021 |

Certification:

- **Certificate Program in Artificial Intelligence, Data Science and Analytics** offered by Meritorium Knowledge Academy
- **Business English Certificate (BEC)** of Cambridge University, UK duration 8 months. This includes achieving business knowledge and the different terms involved in Today's World of Business.

- Microsoft Certification named as **Microsoft Technology Associates** duration 4 months.

TEXTBOOK AND BOOK CHAPTER

1. **Textbook of Advancements of Artificial Intelligence** DR. TEJASHREE T. MOHAREKAR ISBN: 978-93-91387-47-1 (2023) Publisher: Association of Global Academicians and Researchers Vaniyambadi, Tirupattur District, Tamil Nadu, INDIA
2. **Textbook of Deep Learning** DR. TEJASHREE T. MOHAREKA ISBN: 978-93-91387-59-4 (2022) Publisher: Association of Global Academicians and Researchers Vaniyambadi, Tirupattur District, Tamil Nadu, INDIA
3. **Book Chapter:** Dr. Tejashree U. Sawant, Dr. Urmila.R. Pol (2021). A CASE STUDY ON MACHINE LEARNING TO PREDICT STUDENT RESULT IN HIGHER EDUCATION. In Handbook of Machine Learning for Computational Optimization: Applications and Case Studies. U.K: CRC, Taylor and Francis Group.
4. **Reference Book: ADVANCE JAVA**, DR. URMILA R. POL, MISS TEJASHREE SAWANT Shiv-India Institute of management & technology SIIMT- Accra, Ghana 978-9988-2-863-4

SWAYAM Course

- Completed ‘**National Education Policy-2020: Professional Development Programme**’ 2-Credit Course held from August 1-31, 2023 and obtained 80% marks, New Delhi Date of Issue: September 4, 2023, By INDIRA GANDHI NATIONAL OPEN UNIVERSITY Staff Training and Research Institute of Distance Education New Delhi 110068

PUBLICATIONS IN THE YEAR 2023

1. IEEE Explore : A Framework for Smart City Implementation using IoT-Cloud Based System Architecture V. Dankan Gowda, K. Prasad, T. De, V. Srinivas, N. Anil Kumar and T. Tejpal Moharekar, " 2023 International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE), Ballar, India, 2023, pp. 1-6, doi: 10.1109/ICDCECE57866.2023.10151365.
2. Dr. Vidyullata Shekar Jadhav, Dr. Tejashree Tejpal Moharekar Beyond Prediction: Big Data and Real-Time Adaptive Analytics published in International Conference on “Digital Technology: Its Impact, Challenges and Opportunities” DOI No. 03.2021-11278686 DOI Link : <https://doi->

ds.org/doi/10.21961/irjhis.2302050 www.irjhis.com ©2023 IRJHIS | Special Issue, February 2022 | ISSN 2582-8568 | Impact Factor 6.865

3. Web of Science: Dr. SomiKolita, Dr. S. Sundararajan, Dr. Shama J. P. Khanam, Dr. Alok Dubey, Dr. ArunPrakash, Dr. Tejashree Tejpal Moharekar, An analysis on smart technology practice platform in higher education organizations centered on Big Data, A Journal for New Zealand Herpetology Vol 12 Issue 02 2023 ISSN NO: 2230-5807.
4. Web of Science: Vijesh Chaudhary, Dr. K. Suresh Kumar, Dr. Hani Na'el Al-Abdallat, Hashem AliAlmashaqbeh, Dr. Tejashree Tejpal Moharekar, Dillip Narayan Sahu, Implementation of Internet of Things in Business Transformation and its Impact on the Current Scenario, A Journal for New Zealand Herpetology Vol 12 Issue 02 2023 ISSN NO: 2230-5807

PUBLICATIONS IN THE YEAR 2022

5. Tejashree T Moharekar, Mr Parashuram S Vadar, Urmila R Pol, Pradip C Bhaskar, Mr Tejpal J Moharekar (2022) Thyroid Disease Detection Using Machine Learning and Pycaret. Specialusis Ugdymas Volume 1 Issue 43 Pages 10150-10160
6. Dr. Tejashree T. Moharekar, Dr. Urmila R. Pol, Mr. Rishikesh Ombase Mr. Tejpal J. Moharekar (2022) Detection And Classification Of Plant Leaf Diseases Using Convolution Neural Networks And Streamlit, International Research Journal of Modernization in Engineering Technology and Science Volume 4 Issue 7 Pages 4305-4309
7. Dr. Vijay Dongare, Mr. Tejpal J. Moharekar, Dr. Tejashree T. Moharekar (2022) ROLE OF FINTECH IN INDIA, Journal of the Maharaja Sayajirao University of Baroda ISSN: 0025-0422, Volume-56, No.1 (V) 2022
8. Dr. Tejashree T. Moharekar Dr. Ashok P. Jadhav, Dr. Tejpal J. Moharekar (2022) ROLE OF AGRITECH START-UPS IN INDIA Journal of the Maharaja Sayajirao University of Baroda 56 Issue V Pages 23-29
9. Dr. Tejashree T. Moharekar, Dr. Urmila R. Pol, Dr. P. C. Bhaskar, Mr. Tejpal J. Moharekar (2022) DEVELOPMENT OF NLP SENTIMENT ANALYSIS MODEL FOR STUDENTS' FEEDBACK IN HIGHER EDUCATION, Journal of the Maharaja Sayajirao University of Baroda ISSN: 0025-0422 Volume-56, No.1 (VIII) 2022

10. Dr. Tejashree T. Moharekar, Dr. Pratibha S. Patankar, Impact Of Gamification On Students' Performance In Higher Education , Educreator Research Journal ISSN: P-2455-0515 E- 2394-8450 SJIF Impact Factor: 7.717 VOLUME–IX, SPECIAL ISSUE – I NOV – DEC 2022

PUBLICATIONS IN THE YEAR 2021

11. Moharekar Tejashree, P. U. (2021). Academic Performance Prediction Application (APPA). Scopus: YMER , 179-196.
12. Pol Urmila, S. T. (2021). Automl: Building A Classification Model With Pycaret. Scopus : YMER , 547-552
13. Pradeep Verma, B. K. (2021). The Compensations and Downsides of Artificial Intelligence and Machine Learning. Scopus: Design Engineering , 2780-2788.

PUBLICATIONS IN THE YEAR 2019

14. Tejashree U Sawant, U. R. (2019). EDUCATIONAL DATA MINING PREDICTION MODEL USING DECISION TREE ALGORITHM. International Journal of Emerging Technologies and Innovative Research (www. jetir. org), ISSN: 2349 , 306-313.
15. Tejashree U Sawant, U. R. (2019). Student Placement Prediction Model using Gradient Boosted Tree Algorithm. Journal of Emerging Technologies and Innovative Research.

INTERNATIONAL/NATIONAL PUBLICATIONS IN SEMINAR/CONFERENCE

1. Tejashree Sawant, *Data Mining Applications in Banking*, International Journal of Multifaceted and Multilinal Studies Pg.No. 330-335 ISSN 2394-207X
2. Tejashree Sawant, *R: Data Mining Tool And Its Applications*, International Journal of Advanced Computer Technology & Management (IJACTM) Volume: I Issue: I May.2016 ISSN: 2343-662X
3. Tejashree Sawant, *Parametric Comparative Study of Educational Data Mining Tools*, Second International Conference on Commerce & Management on “Development Through Transformation: Prospects for Inclusive Growth” 30th and 31st Jan 2017 (Dept of Commerce & Management, SUK).

4. Tejashree Sawant, *Educational Data Mining...Today An Emerging Field* Page No. 189-192 (Kolhapur) UGC Sponsored National Seminar on Recent Trends in Information Technology (Ns-Rtit-2015), 978-93-5202-735-4
5. Tejashree Sawant, *Moodle LMS in Higher Education* Page No.130-135 (Hatkanangale National Conference on Enhancing quality education and environment consciousness through IQUC in colleges in the colleges Conference Proceedings 978-93-82028-82-6
6. Tejashree Sawant, *Big Data: Machine Learning Library On Apache Spark* National Conference Poster Presentation (Dept of Technology, SUK)
7. Tejashree Sawant, *Demonetization Through Cashless Economy in India*, ICSSR Sponsored Two Day National Seminar On “Recent Trends In Commerce And Management Education: Prospects, Opportunities And Challenges”
8. Tejashree Sawant, *Innovations in Teaching Learning Methodology for 21st Century*, “Curriculum Reforms in Higher Education: Global Scenario” Organized by: Shivaji University, Kolhapur, India.
9. Tejashree Sawant, *Outcome based Incentive model*, “Curriculum Reforms in Higher Education: Global Scenario” Organized by: Shivaji University, Kolhapur, India. ISSN-2278-5655 UGC Approved Journal No: 48178,48818 Impact Factor-5.18

FACULTY DEVELOPMENT PROGRAM

1. One week National Faculty Development Program (FDP) on Cloud Infrastructure (AWS) organized by DY Patil Agriculture and Technical university, Talsande in collaboration with Brainovision Solutions India Pvt Ltd and All India Council for Technical Education (AICTE)
2. Online Faculty Development Programme (Fdp) On Real Life Applications of AI, ML and Data Science (April 07-16, 2023) Organized by E & ICT Academy, NIT Warangal in association with Dept. of Computer Science and Engineering JIS University Kolkata
3. Two-days online Faculty Development Programme on Research and MOOCs Development on, dated March 23 - March 24, 2023 organized by Department of Management Studies, D.K.T.E. Society's, Textile and Engineering Institute, Ichalkaranji.

4. Three day's Faculty Development Programme (FDP) on "Research Methodology for Computer Science and Bioinformatics", Which is held on 6th, 7th and 8th of January 2016 at the AIMIT-St Aloysius College, Beeri Campus through the BIF of St Aloysius College (Mangalore)
5. Faculty Development Program on Cyber Security organized by MHRD in Coperation with RUSA Maharashtra in Shivaji University, Kolhapur
6. Two days online FDP on Padagogy in Mgt & CS Education Khandesh College Education Society's Institute Of Management & Research, Jalgaon Affiliated to North Maharashtra University, Jalgaon
7. Five Days National Level Online Faculty Development Program On Perl Scripting organized by the Department of Computer Science and Engineering, in association with Spoken Tutorial IIT-Bombay from 10th June to 14th June 2020.
8. FDP on "Data Sciences" organized by AICTE Training And Learning (ATAL) Academy Online from 25-05-2020 to 29-05-2020 at Indian Institute of Information Technology Vadodara.
9. 5-day webinar cum online FDP on " Usage of ICT Tools for Effective Learning and Evaluation” organized by Department of Computer Science from 1st June - 5th June 2020
10. Online FDP on "Effective Online Teaching Strategies" held on 6th June, 2020 hosted by Marian International Institute of Management, Kuttikkanam, Kerala.
11. One-Week FDP Programme on "R-Programming and Python Django" organised by Department of CSE, Universal College of Engineering and Technology, Dokiparru(v), Medikonduru(M), Perecherla, Guntur.
12. Faculty Development Program on "Tools for Big Data" organized by the department of Computer Science and Application, SCSVMV on 25-05-2020.
13. Online Faculty Development Programme On Intellectual Property Rights (IPR) organised in collaboration with Cell for IPR Promotion and Management (CIPAM), Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce and Industry Government of India
14. Faculty Development Programme on 'MOODLE Learning Management System' organized by V. P.Institute of Management Studies and Research, Sangli in association with Spoken- Tutorial IIT Bombay, during 12th May 2020 - 17th May 2020

15. One Week Online Faculty Development Program on “R - Language for analytics and Data Science” organised at Sinhgad College of Engineering, Vadgaon (Bk), Pune in association with Spoken Tutorial Project, IIT Bombay during 27th April 2020 to 2nd May 2020

Participation And Achievements:

- **3rd Rank** in the Merit order of Shivaji University, Kolhapur in 2014 (MCA)
- **4th Rank** in the Merit order of Shivaji University, Kolhapur in 2011 (BCA)
- Secured **A+** Grade in AIMS Programming Contest 2011 held by Jalgaon Institute of Management, Jalgaon.
- Secured **A** Grade in AIMS Programming Contest 2012 held by Jalgaon Institute of Management, Jalgaon.
- Certificate of Participation in “**Seed IT Idol Competition**” 2012 organized by SeedInfoTech Ltd.
- Certificate of Participation in “**Programming Test**” 2013 organized by SIBER Kolhapur.
- Worked as a volunteer in Quest 2013 Mega-Intercollegiate Competition 2013 inVPIMSR.
- Attended A Two Day UGC Sponsored **National Seminar on Recent Trends in Information Technology** (NS-RTIT-2015) on 6th – 7th March. 2015 at SIBER Kolhapur.
- **Himalaya Publishing House** has accepted to publish my research paper in the form of a book which was submitted in National Seminar on Recent Trends in Information Technology (NS-RTIT-2015).
- Attended in Cycle Rally which aims at “**BETI BACHAO BETI PADHAO**” on Woman’s Day 8th March 2015.
- Participated in **National Digital Literacy Mission (NDLM) 2015** online exam held in Nav Krishna Valley School.
- Participated in **On-CET 2015 PROCESSFOLIO** online exam held in Nav Krishna Valley School.

Special Skills:

- Good knowledge of software development concepts.
- Data Science and Machine Learning
- Goal Oriented, Positive and Supportive.
- Good interpersonal skills, hardworking and zeal to learn new technologies.

AWARDS AND ACHIEVEMENT

1. Awarded with Dr. Babasaheb Ambedkar National Research Fellowship 2015
2. Awarded with National Sanvidhanik Vidya Vibhushan Puraskar 2022

PERSONAL DETAILS

| | |
|----------------------------|---|
| Name | Dr. Tejashree Tejpal Moharekar |
| Date of Birth : | 2 February 1990 |
| Gender : | Female |
| Marital status: | Married |
| Nationality: | Indian |
| Address for communication: | 'Chadraroop' Bungalow, Near Jain Temple Besides Reliance Tower, RK Nagar Kolhapur 416 013 |
| Contact no: | 7066938330 |
| Languages Known : | English, Hindi, Marathi. |

REFERENCES

1. **Dr. R. K. Kamat**, Hon. Vice-Chancellor, Dr. Homi Bhabha State University, Mumbai
2. **Dr. S. S. Mahajan**, *Dean Faculty of Commerce and Management Shivaji University, Kolhapur*
3. **Dr. P. S. Patankar**, *Head and Professor Department of Education Shivaji University, Kolhapur.*
4. **Dr. K. S. Oza**, *Head, Department of Computer Science Shivaji University, Kolhapur*

DECLARATION

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Place: Kolhapur

Date: 15/12/2023

Dr. Tejashree Tejpal Moharekar

Assistant Professor

Yashwantrao Chavan School of Rural Development,
Shivaji University, Kolhapur