PROFILE

DR. URMILA R. POL (MCA,SET,PHD)

Associate Professor,

Department Of Computer Science, Shivaji University, Kolhapur.

E-mail: urmilec@gmail.com,urp_csd@unishivaji.ac.in

OBJECTIVE

To serve an organization which provides challenging assignments to bring out the best of my creative potential, which gives an environment to constantly learn new things and which supports me to excel in my field of endeavor

EDUCATIONAL QUALIFICATIONS:

1. **Ph.D.** : Awarded in Computer Application (Dec. 2010)

2. **M.C.A:** SIBER ,Shivaji University Kolhapur , Maharashtra-India June-1998

3. **SET**   in Computer Science and Application**.**

4. **DCP** From Shivaji University Kolhapur in April 1992

5. **B.Sc.** (**Stat.**), New College ,from Shivaji University Kolhapur, March/April 1990

TEACHING EXPERIENCE: (23YRS)

1. Working as **a Associate Professor** , in **Department of Computer Science Shivaji University Kolhapur** .

2. Worked as **a Director**, **Sinhgad School of Computer Studies (SSCS)**

SolapurMaharashtra (Affiliated to University of Solapur and AICTE, New Delhi) from25-03-2011 to till 28/2/2013.

MINOR/MAJOR RESEARCH PROJECT

1. Completed minor research projectentitled "**To Study of BSNL mobile services inKolhapur**" Rs. 60,000-/ .

2. Principal Investigator of completed project entitled "**Cyber security awareness campaign in KarveerTehshil**" , funded by Shivaji University for year.2018-2020 of 1.46 lakhs..

3. Co-Principal Investigator of Major Resaerch Project on "**Faculty Development Center in Cyber Security and Data Science**" funded by MHRD for year 2018-2020 of 696.05 lakhs.

4. Principal Investigator of ongoing project entitled "**Development of prediction model for Thyroid Disease Using Machine Learning**" , funded by Shivaji University under Research Strengthening Scheme for year 2023-2025 of 1.80 lakhs.

SUBJECTS TAUGHT

Unix/Linux Os	Artificial Intelligence	Relational Database Management System	C C++ Programming	Prolog
Java Programming	Advance Computer Architecture	Parallel Computing	Visual Computing	Shell Programming
Software Engineering	Open Source Softwares	MPI Programming	Advanced Java	Mobile Application Development

Data Science	Python for Data Science	Kotlin	Android	PHP

Phd Students Guided

Sr. No.	Name Of Student	Title of Ph.D.	University and Year
1	Manjiri M.Mastoli	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TECHNIQUES FOR DIABETES HEALTHCARE	Shivaji University 2021
2	Tejshree U. Sawant	DESIGN AND DEVELOPMENT OF DATA MINING MODEL WITH SPECIAL REFERENCE TO POST GRADUATE STUDENTS OF SHIVAJI UNIVERSITY	Shivaji University 2021
3	Parshuram S. Vadar	DIAGNOSIS OF THYROID: A MACHINE LEARNING APPROACH	Shivaji University 2024

PATENTS:

Sr. No.	Name of the Patent	Application Number	Date	Remark
1	Improving Supply Chain Progress Using BlockChain Technology	202141034319	6/08/2021	Published
2	Image processing & Machine Learning Based Detection of Malignant Skin Cancer Using Support Vector Machine (SVM) classifier	202141036593	12/08/2021	Published

3	Artificial Intelligent and Cloud based Conversational robot forBlind people Assistance	202111054238	03/12/2021	Published
4	Artificial Intelligence based smart accident detection through video surveillance using Computer vision and Deep Learning Algorithms	202241036175	22/07/2022	Published
5	Smart Healthcare Management systems for Diabetes prediction and for blood glucose measurement using Machine learning algorithms and neural network methods	202341010530	2023/3/17	Published
6	AI and blockchain-Based Secure Password Management System to enhanced Security Through Cryptography	202441015629	22/03/2024	Published

PUBLICATIONS:

NATIONAL/INTERNATIONAL(CONFERENCE/JOURNALS)/BOOK

Research Areas: Data Science, Artificial Intelligence, Open Source Softwares,LMS, Machine Learning,Cloud Computing,Big data analytics

BOOK / CHAPTER

1. 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.

2. Dr. Manjiri Mastoli, Dr. Urmila R. Pol(2021). Artificial Intelligence and Machine Learning Techniques for Diabetes Healthcare. In Blockchain for 5G Healthcare Applications: Security and privacy.

3. Dr. Urmila R. Pol (2021/12) Cyber Shikshak Book Published in Marathi.

4. Dr. Urmila R. Pol .(2023) Pragmatic Internet of Everything (IOE) for Smart Cities: 360-Degree Perspective. Bentham-Science-publishers.

PUBLICATIONS IN THE YEAR 2024-2025

1. Urmila R Pol, Parashuram S Vadar, Tejashree T Moharekar(2024/08). Hugging Face: Revolutionizing AI and NLP, 1121-1124.

PUBLICATIONS IN THE YEAR 2023-2024

1. Parashuram S Vadar, Urmila R Pol, Tejashree T Moharekar(2024/5). Machine Learning Techniques for the Classification of Thyroid Disease, 375-380.

2. Urmila R Pol, Tejashree T Moharekar, Parashuram S Vadar(2024/1). Fostering Sustainable Education with Artificial Intelligence in the Era of Industry 5.0, 149.

PUBLICATIONS IN THE YEAR 2022-2023

1. TT Moharekar, MPS Vadar, UR Pol, PC Bhaskar (2022/10/3) .Thyroid Disease Detection Using Machine Learning and Pycaret, Specialusis Ugdymas, 10150-10160.

2. Srinivas Nagineni, Chandra Sekhar Kolli, Hemachandra Gudimindla, Nayani Sateesh, Chockalingam Alagappan, Urmila R Pol (2022/9/21). An Efficient and Robust Deep Learning Approach to Predict Air Pollution by Employing Long Short-Term Memory, IEEE, 423-428.

3. MTJM Dr. Tejashree T. Moharekar*1, Dr. Urmila R. Pol*2, Dr. P.C.Bhasakr*3(2022/9). Accelerating Exploratory Data Analysis (EDA) For Nutrients, Minerals and Vitamins in Different types of Milk,Tthe journal of oriental research madras.

4. Tejashree T Moharekar, Urmila R Pol, PC Bhaskar, Mr Tejpal J Moharekar (2022/9). Development Of Nlp Sentiment Analysis Model For Students'feedback In Higher Education, Journal of the Maharaja Sayajirao University of Baroda ISSN0422

5. Mr. Tejpal J. Moharekar*4 Dr. Tejashree T. Moharekar*1, Dr. Urmila R. Pol*2, Mr. Rishikesh Ombase*3(2022/7). Detection And Classification Of Plant Leaf Diseases Using Convolution Neural Networks And Streamlit, International Research Journal of Modernization in Engineering Technology and Science, 4305-4309.

PUBLICATIONS IN THE YEAR 2021-2022

1. Urmila, P., & Tejashree, S. (2021). Automl: Building An Classfication Model With Pycaret. YMER , 547-552.

2. Moharekar, D. T., & Pol, D. U. (2021). Academic Performance Prediction Application (Appa). Ymer , 179-196.

3. Pradeep Verma, Bindu Krishnan, Urmila R Pol, Sridhar Sathyanarayana, Biswadip Basu Mallik, Tejashree Upendra Sawant.(2021/12/5). The Compensations and Downsides of Artificial Intelligence and Machine Learning, Design Engineering, 2780-2788.

PUBLICATIONS IN THE YEAR 2020-2021

1. RDP Dr. Urmila R. Pol, M. M. (2020). Machine Learning Model for Prediction of Diabetes Mellitus. International Journal of Recent Technology and Engineering , 2376-2381.

2. Dr. Bhuvaneswari.E,, Dr. Urmila R. Pol,Mr. ArockiaJayadhasSoosaiJohn,Dr. K. SeshadriRamana, Mr. Ranjith. A, Dr. PrabhakaranPaulraj , Internet of Things (IoT) Based Wireless Digital Fuel Indicator for Vehicles Monitoring System to Avoid Sudden Stoppage,International Conference On Advancements & Recent Trends On Electronics and Communication , 11th June 2021

PUBLICATIONS IN THE YEAR 2017-2019

1. Emerging applications of data mining for better heathcare management, International Multidiscipinary Quarterly research journal ,ISSN 2277-5730

2. Fuzzy expert system for prediction of Indian general election results.International journal of Computer Science &Engineering,ISSN 2347-2693

3. Educational Data Mining Prediction Model Using Decision Tree Algorithm, Journal of Emerging Technologies and Innovative Research ISSN 2349-5162

4. Student placement prediction model using gradient boosted tree algorithm, Journal of Emerging Technologies and Innovative Research   ISSN 2349-5162

PUBLICATIONS IN THE YEAR 2016-2017

1. "Big Data Analysis:Comaprision of HadoopMapreduce and Apache Spark" PUBLISHED IN International Journal of Engineering Science and Computing ISSN-2321 -3361

2. BOOK- ADVANCE JAVA PUBLISHED BY Shiv-India Institute of management & technology SIIMT-Accra, Ghana 978-9988-2-0504-1

3. BOOK- REFERANCE GUIDE TO ANDROID APPLICATION DEVELOPMENT Shiv-India Institute of management & technology SIIMT-Accra, Ghana 978-9988-2-863-7

4. "Parametric Comparative Study of Educational Data Mining Tools" in Second International Conference on Development through Transformation Prospects for Inclusive Growth

5. National Conference on Interdisciplinary Trends in Engineering and Technology (NCITET 2017) organized under TEQIP II at Department of Technology, Shivaji University, Kolhapur (M.S.) India on 17th and 18th February, 2017 and has Presented a Poster entitled "Big data : machine learning library on apache spark".

PUBLICATIONS IN THE YEAR 2015-2016

1. " Big Data Analysis using HadoopMapReduce" PUBLISHED IN American Journal of Engineering Research (AJER) ISSN (e): 2320-0847

2. "Big Data Analysis: Comparision of HadoopMapReduce, Pig and Hive" International Journal of Innovative Research in Science,Engineering and Technology PUBLISHED IN Volume 5, Issue 6 ISSN: 2319 – 8753

3. "A review of knowledge management in manufacturing industry" PUBLISHED IN International Journal Of Information systemsVol-Vi,Issue I Page no.41 ISSN-2229-5429

4. "Data Mining Applications in Banking "International Journal Of Multifaceted and MultilinualStudies Pg.No. 330-335 ISSN 2394-207X

5. "Hands on Moodle to Create Virtual Learning Environment and its Adoption In Shivaji University" PUBLISHED IN INDIAN JOURNAL OF INNOVATION IN MANAGEMENT AND EXCELLENCE IN RESEARCH Pg No.71-76 ISSN- 2347-8306

6. BOOK- LINUX IN EASY WAYShiv-India Institute of management & technology SIIMT-Accra, Ghana978-9988-2-3624-3

7. BOOK- BIG DATA SHIV-INDIA INSTITUTE OF MANAGEMENT & TECHNOLOGY SIIMT-ACCRA, GHANA 978-9988-2-3623-6

PUBLICATIONS IN THE YEAR 2014-2015

1. "Selenium : Open Source Automation Tool For Software Testing " paper published on Proceeding of UGC sponsored National Seminar On Recent Trends In Information Technology (Ns-Rtit-2015) On $6^{th} – 7^{th}$ March. 2015 At Siber Kolhapur.

2. "Educational Data Mining…Today An Emerging Field" Proceeding of UGC sponsored National Seminar On Recent Trends In Information Technology (Ns-Rtit-2015) On $6^{th} – 7^{th}$ March. 2015 At Siber Kolhapur.

3. "Moodle LMS in Higher Education" Page No. 130-135 Published in Enhancing quality education and environment consciousness through IQUC in colleges in colleges ISBN- 978-93-82028-82-6

4. BOOK- JAVA PROGRAMMING SHIV-INDIA INSTITUTE OF MANAGEMENT & TECHNOLOGY SIIMT-ACCRA, GHANA 978-9988-2-0504-1

5. BOOK- HTML SHIV-INDIA INSTITUTE OF MANAGEMENT & TECHNOLOGY SIIMT-ACCRA, GHANA 978-9988-2-0505-8

6. BOOK- C++ PROGRAMMING IN EASY WAY SHIV-INDIA INSTITUTE OF MANAGEMENT & TECHNOLOGY SIIMT-ACCRA, GHANA 978-9988-2-0503-4

PUBLICATIONS IN THE YEAR 2013-2014

1. "Developers harness open source cloud management platforms for novel applications" PAPER PUBLISHED ON INTERNATIONAL JOURNAL OF COMPUTERS AND TECHNOLOGY(IJCT) VOL. 5 ISSUE 5 Pages : 6483-6486

2. "Cloud Computing with Open Source Tool :OpenStack" WILL BE PUBLISHED IN American

Journal of Engineering Research (AJER)

PUBLICATIONS IN THE YEAR 2013

1. "DESIGN AND DEVELOPMENT OF APRIORI ALGORITHM FOR SEQUENTIAL TO CONCURRENT MINING USING MPI" PAPER PUBLISHED ON INTERNATIONAL JOURNAL OF COMPUTERS AND TECHNOLOGY(IJCT) VOL. 10 NO.7 PAGE NO 1785-1790

2. "ENERGY PRESERVATION OF MOBILE HANDSETS USING MULTICORE TECHNOLOGY" ACCEPTED FOR PUBLICATION IN ONE OF OUR JOURNAL INTERNATIONAL JOURNAL OF COMMUNICATION NETWORK AND SECURITY (IJESS) VOLUME 3 ISSUE 2,2013 OF IOAJ PUBLICATION.

3. "CLOUD COMPUTING SECURITY THREATS AND SOLUTIONS" PUBLISHED IN IMER NATIONAL CONFERENCE ,PROCEEDING 2013.

4. "PREDICTION OF ATTITUDE AND INTEREST OF STUDENTS FROM SCIENCE BACKGROUND" PUBLISHED IN IMER NATIONAL CONFERENCE ,PROCEEDING 2013.

5. "K-means Clustering For Diabetes Data Set With Weka" published in Proceedings of UGC Sponsored National Workshop on Data Mining, Shivaji University, Kolhapur, December 17-18, 2013

6. "Web mining: Information Extraction of Machine Learning for World Wide Web"

7. Accepted for poster Presentation at "National Conference on Latest Advances, Trends in Electronic Science and Technology (LATEST - 2014) At Electronics Department Of Computer Science, SUK.

PUBLICATIONS IN THE YEAR 2012

"MOBILE CLOUD COMPUTING" PAPER PUBLISHED ON INTERNATIONAL CONFERENCE AT SOUTH AFRICAGHANA.

PUBLICATIONS IN THE YEAR 2011

1. "Next Generation Services: Mobile Cloud Computing" Paper Published in International

Journal of Computing pg No 263 in 2011

2. " Present and Future of E-Commerce In India " paper published in Changing Perspectives of Management REVISITING THE PAST,ANALYSING THE PRESENT AND EXPLORING THE FUTURE ,TAMILNADU .

3. " WIRELESS POWER RECEPTION THROUGH RECTENNA" PAPERER PUBLISHED IN NATIONAL JOURNAL " CONTEMPORARY RESEARCH IN INDIA".

4. "USAGE OF MOBILE CLOUD COMUTING AND ITS APPLICATIONS " PAPER PUBLISHED AT NATIONAL CONFERENCE ON ADVANCES IN COMPUTING AT JALGAON NCAC-2011.

PUBLICATIONS IN THE YEAR2010

1. "Analysis Of Mobile User Problems In western Maharashtra" Paper Published in International Journal of Computer Application and Business Intelligence Volume No 3 2010 Page no 53-57.

2. " Enhancement of Portable device using mobile cloud computing" Paper Published in International Journal of Computer Application and Business Intelligence Vol. 4 2010

NATIONAL/INTERNATIONAL CONFERENCE

Title Of The paper	Conference	Organized By
Gamification Of Moodle With Plugin	International Conference MoodelMootHyderabad 2018	Moodle HQ
Development of Report Plugin	International Conference MoodelMootMumbai 2017	Moodle HQ
Behat Acceptance Testing With Moodle	International Conference MoodelMoot Delhi 2016	Moodle HQ

Moodle based Teaching –Learning Case Study Of A semi Urban University From Developing Country India	International Conference MoodelMoot Australia 2015	Moodle HQ
Computer Science and Business Management (CSBM-2012)	Convenor at National Conference , 2012	SSCS, SOLAPUR
Instructional Conference on Research Trends in Information Technology	National Conference 2007	SIBER, Kolhapur

SOFTWARE SKILLS

1. Programming Language : Java, C, C++,Parallel Programming,Prolog,Shell Programming, PHP, Android, Advanced JAVA,PythonProgramming.

2. Database: Mysql ,Oracle, Access

3. Operating Systems : MS-Windows 95/98/2000/XP/7,UNIX/LINUX/Ubuntu

COURSE/ WORKSHOP/SEMINAR ATTENDED

ACADEMIC ACTIVITY	Year
"3 Days Workshop on Big Data in Hardware and Software Infrastructure and Analytics" in association with SavitribaiPhule Pune University AND AIMS, Pune	**2016**
Three day's Faculty Development Programme (FDP) on "Research Methodology for Computer Science	**2015**

and Bioinformatics", Which will be held on the 6th, 7th and 8th of January 2016 at the AIMIT-St Aloysius College, Beeri Campus through the BIF of St Aloysius College	
Orienation Course from 3rdDecemeber to 12th December 2014 at University of Pune.	**2014**
Two Week ISTE Main Workshop on Cyber Security conducted by IIT Bombay under the National Mission on Education through ICT (MHRD, Govt. of India), 10-20th July 2014	**2014**
Workshop of Linux Operating System Sinhgad School Of Computer Studies, at Solapur by National Mission on Education through ICT, MHRD, Govt. Of India.	**2012**
Workshop of Research Methodology At Sinhgad School Of Computer Studies, Solapur	**2012**
ACADEMIC ACTIVITY	**Year**
One day workshop on "Linux Operating System " Organized by Sinhgad School Of ComuterStudies,Solapur offered by IIT Bombay funded by National Mission on Education through ICT, MHRD, Govt. Of India.	**2012**
FOSS Lab Server Installation Training Workshop Department Of Comput Science, Shivaji University, Kolhapur	**2010**
One Day Workshop On E-Learning Tools and Pratices Department Of Computer Science, Shivaji University, Kolhapur	**2009**

E-Learning Tools And Practices Department Of Computer Science ,Shivaji University, Kolhapur.	**2009**

AWARDS AND ACHIEVEMENTS

1. "SHRI SANT KAKKAYYA RATNA PURASKAR " AT SOLAPUR ON 10TH MARCH 2013.

2. CHIEF EDITOR:- International Journal of Advanced Computer Technology & Management (IJACTM) Shiv-India Institute of management & technologySIIMT-Accra, Ghana

PROJECTS GUIDED:

1. Chat Server (C under unix)

2. Chess

3. Mail Server

4. Entrance   Examination System

5. Payroll system

6. Network Monitoring

7. Placement management system

8. Mobile Application using J2ME

9. Guess Where I am Android Application

10. Toy Robot Android Application etc.

11. IOT based Projects

OTHER ACADEMIC ACTIVITIES:

1. Worked as a **Incharge Coordinator for the Computer Science Department Shivaji University, Kolhapur.**

2. Worked as **Head** of different committies for STANCE Event at **Computer ScienceDepartment Shivaji University, Kolhapur.**

3. **Oragnized Industrial tour for MCA/M.Sc.**

4. **Revision Of Syllabus** for the MCA, M.Sc.(Comp. Sc.), BCA , BCS, B.Sc(Comp.Sc) ,B.Tech and M.Tech(Comp. Sc.)

5. **Examination** Duties .

6. **Placement Officer**

7. **Worked as Rector for ladies Hostel**

8. **ICT coordinator**

9. **Information Officer**

10. **Ph.D. Coordinator**

11. **Member of Grivance Committee**

12. **Coordinator for M.Sc. (Computer Science)**

PERSONAL INFORMATION:

Date of birth: 28th June , 1969

Languages known:English, Hindi, Marathi

Correspondence Address:

DattaDawjekar Residency,

Near Gold Gym,Tarabai Park Kolhapur.

Maharashtra-India. Phone: +91-9049960699

E-mail:urmilec@gmail.com, urp_csd@unishivaji.ac.in