

**Name:**

Prof. Urmila M Kalshetti

Designation:

Assistant Professor

Contact Details:

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Educational Qualifications:

- M. Tech. (Computer Engineering)
- B.E. (Computer Science and Engineering)

Experience:

- Teaching: 17 Years

Research Interests:

- Machine Learning, deep learning,
- Design and Analysis of Algorithms
- Theory of Computation

Research Projects:

- Worked as a co-investigator for the BCUD project on “Machine translation of simple English sentences into Marathi sentences” in 2007.

Field of Consultancy (Aspiring):

Theory of computation

Number of Publications:

International Journal: 05

International Conference: 10

Number of Books / Book chapters Published: 02**Professional Society Memberships:**

- ACM Professional Membership

Number of FDPs / STTPs organized: 03**Number of Seminars organized: 02****Number of FDPs / STTPs attended: 22****Number of Conferences / Seminars attended: 02****Number of Online Certification Courses done: 4****Number of times served as a Resource Person: 05****Details of Research papers published:**

- Paper Published on “Steering Angle Prediction in Autonomous Vehicles Using Deep Learning” Published in: 2019 5th International Conference On Computing, Communication, Control And Automation (ICCUBEA) on 19-21 Sept 2019, Publisher: IEEE <https://ieeexplore.ieee.org/document/9128735>
- Paper Published on “Machine Learning for Cyber Defence” in International Journal of Pure and Applied Mathematics, Volume 118 No. 24 2018, ISSN: 1314-3395 (on-line version) url: <http://www.acadpubl.eu/hub/> Special Issue-Scopus indexed Journal
- Paper published on “Reputation based Malware Detection using support vector machine” Springer: Lecture notes on Data Engineering and Communication Technologies, volume 26, Nov 2018, Scopus indexed book series.
- Paper presented on “Human Authentication from Brain EEG signals using Machine Learning” in international conference on Innovative Techniques in Science, Engineering and Information Technology (ICITSEIT -18) held on 11-13th March, 2018 Vivekananda Institute of Technology and Science, Karimnagar.

- Paper published on “Students Learning Evaluation using Learning Analytics” in International Journal of Advanced Engineering, Research and Science(IJAERS) ISSN: 2349-6495 vol.-4, issue-4,page no-89-92, April 2017.
- Paper published on 'dynamic timetable generation using constraint satisfaction algorithm' in © Springer India 2016 , S.C. Satapathy et al. (eds.), Proceedings of the Second International Conference on Computer and Communication Technologies, Advances in Intelligent Systems and Computing 379, DOI 10.1007/978-81-322-2517-1_73
- Paper published on “Proactive usage of slot for memory allocation in Hadoop for Government managed system” in IJRSET, 2016 with DOI: 10.15680/IJRSET.2016.0503097
- Paper published on “Use of Bluetooth Networking in Mobile Games”, INTERNATIONAL CONFERENCE ON LEVERAGING OPERATIONS AND IT FOR SUSTAINABLE DEVELOPMENT
- Paper published on “Android and Web Application for Attendance and Notification Management of Academic Institution” in International Journal of Advanced Research in Computer Science 4.2 Volume 4, No. 2, Jan-Feb 2013.
- Paper published on “Support Vector Machine and Decision Tree for Intrusion Detection” in International Journal of Systems, Algorithms and Applications(IJSAA), Volume 2, Issue 4, April 2012, ISSN Online: 2277-2677.
- Paper published on “Emotions reflecting chat application” in International Conference on Advances in Engineering, Science and Management (ICAESM), by IEEE,
- Paper presented on ‘Efficient Intrusion Detection System Models’ in International Conference ICCNT 2009 in Chennai organized by IACSIT.
- Paper presented on ‘Translation of Simple English Interrogative Sentences into Marathi Sentences’ in International Conference ICWET 2010 organized by Thakur Engineering College, Mumbai.
- Paper presented on ‘Efficient Intrusion Detection System Models’ in International Conference ITECH 09 organized by AmrutVahini College of Engg., Sangamner.

Details of books / book chapters published:

- “Reputation based Malware Detection using support vector machine” Springer: Lecture notes on Data Engineering and Communication Technologies, volume 26, Nov 2018, Scopus indexed book series
- ‘dynamic timetable generation using constraint satisfaction algorithm’ in © Springer India 2016 , S.C. Satapathy et al. (eds.), Proceedings of the Second International Conference on Computer and Communication Technologies, Advances in Intelligent Systems and Computing 379, DOI 10.1007/978-81-322-2517-1_73

Details of FDPs / STTPs attended in last 5 years:

1. One week FDP on Inculcating Universal Human Values in Technical Education organised by AICTE from 12th July 2021 to 16th July 2021
2. One week FDP On Interactive Teaching Learning Strategies with Affective & Cognitive Approach (ITLS) from 21st to 25th June 2021 organised by dept of ENTCT, PVGCOET, Pune
3. 3 days FDP on Outcome based Education organised by PVGCOET, Pune from 6, Oct 2020 to 8, Oct 2020
4. 3 days FDP on Outcome based Education organised by Indira College Of Engg & Management from 11th June to 13th June 2020
5. Attended the interaction session and successfully completed both pre and post workshop online activities, involving 3 days of video lectures and hands-on work on 'Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop' on 17 May 2020 organised by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), MHRD, Govt. of India
6. 1-week FDP organized by PVGCOET, Pune in association with Spoken Tutorial IIT Bombay on “Java” during 18th May 2020 to 22nd May 2020
7. 1-week FDP organized by PVGCOET, Pune in association with Spoken Tutorial IIT Bombay on “Drupal” during 18th May 2020 to 22nd May 2020

8. One day FDP on IOT organized by PVGCOET, Pune and MKCL on 8th Nov 2019.
9. 8-week FDP on Machine Learning by NPTEL-AICTE funded by MHRD, Govt of India during Aug and Sept 2019
10. Attended “BE Computer Engineering Syllabus Revision Meet” organized by Board of studies Computer Engineering, SPPU and ABMSP’S Anantrao Pawar College of Engineering & Research on 30th Jan, 2018.
11. Two-Week AICTE approved FDP on 'Pedagogy for Online and Blended Teaching-Learning Process - FDP201x', scheduled from 14 September to 12 October 2017.
12. Two Week AICTE approved FDP on " Foundation Program In ICT For Education" from 3 August to 7 September 2017 organized by IIT Bombay, at remote centre in PVG’s COET, Pune.
13. Attended a three day workshop “Virtual Labs Development Workshop” organized by Regional Center, PVG’s COET, Pune in coordination with IIT Bombay during 16th -18th June, 2017.
14. Attended a six day STTP on “Optimization in Machine Learning Research” organized by PCCOE, Akurdi during 16th Jan 2017 to 21st Jan 2017.
15. Attended a three day FDP on “IBM Rational Software Architect” organized by Bharati Vidyapeeth Deemed University, COE, Pune during 16th Nov to 18th Nov, 2016.

Major Portfolios Handled: (college level and department level)

- College level
 - Virtual Lab Nodal Technical Coordinator
 - Spoken Tutorial Coordinator
 - DSC PVGCOET faculty advisor
 - Worked as SPOC for SIH 2020 and organized Internal Hackathon 2020
- Department level
 - Project coordinator
 - Research Coordinator