

Curriculum Vitae

Dr. Preetam Tamsekar

PhD (Computer Science)

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Personal Information

- Name : Dr. Preetam Sambhaji Tamsekar
- Nationality : Indian
- Gender : Male
- Marital Status : Single
- Spoken Languages : English, Marathi (mother tongue), Hindi

Education

PhD in Computer Science

Thesis Title: GIS Based Decision Support System for Crop Selection.

School of Computational Sciences, Swami Ramanand Teerth Marathwada University,

Nanded-431606, Maharashtra, India

M.Phil in Computer Science

School of Computational Sciences, Swami Ramanand Teerth Marathwada University,

Nanded-431606, Maharashtra, India

M.C.A

D.Y.Patil Institute of Management and Research, Pimpri-Pune

(Affiliated to Pune University), Maharashtra, India

B.C.A

MGM's IT College, Nanded

(Affiliated to S.R.T.M. University), Maharashtra, India

H.S.C. (10+2)

RajMata JijaMata College, Latur

Maharashtra State Board of Secondary and Higher Secondary Education, India

10th standard

Gyan Mata Vidya Vihar, Nanded

Maharashtra State Board of Secondary and Higher Secondary Education, India

Research Interest

- ▶ Development of Integrated Method Using GIS and Machine Learning Algorithms for Crop Selection Prediction for precision farming.

Research Experience

Doctoral Researcher

2016 - 2018

School of Computational Sciences,

Swami Ramanand Teerth Marathwada University, Nanded (MH)

- ▶ Collected and curated dataset of agricultural and crop management used to make predictions.
- ▶ Performed comparative analysis of supervised machine learning algorithms for Prediction of Crop Selection.

Research Assistant

2013 - 2018

School of Computational Sciences,

Swami Ramanand Teerth Marathwada University, Nanded (MH)

- ▶ Assistant to Professor Nilesh Deshmukh, conducting primary and secondary source research on the following projects.
 1. Operational Analysis of Crime hot spot using Data mining and GIS.
 2. Novel Scheme for target marketing by study customer behavior pattern using data mining.
 3. Machine Learning and GIS Based DSS for Identification of Artificial Water Recharge site.
 4. Spatial Pattern for Urban Greenery Space Planning

Teaching and Mentoring Experience

Teaching Assistant to Prof. Nilesh Deshmukh

2013 - 2018

School of Computational Sciences,

Swami Ramanand Teerth Marathwada University, Nanded (MH)

- ▶ Taught and facilitated sections for postgraduate courses in School of Computational Sciences department on Machine Learning, PHP, C, and Java.
- ▶ Assisted professors in courses ranging from 20-50 students. Taught 2-3 sections each semester. Designed weekly lesson plans to supplement lecture material, and held weekly office hours for students seeking additional help.
- ▶ Contributed to creating exams and quizzes for the course, taught review sessions before midterms and finals. Graded written assignments, midterms, finals, and quizzes.
- ▶ Guest lectured and led discussion-based sections.
- ▶ Designed Lab Manuals.
- ▶ Mentored postgraduate students in project work.

List of Publications

1. **Tamsekar, P.**, et.al, (2018). Comparative Analysis of Supervised Machine Learning Algorithms for GIS Based Crop Selection Prediction Model. In *Smart Computing and Informatics Springer. (Accepted)*
2. **Tamsekar, P.**, et.al, (2018). Architectural Outline of GIS-Based Decision Support System for Crop Selection. In *Smart Computing and Informatics* (pp. 155-162). Springer, Singapore. ISBN 978-981-10-5543-0
3. **Tamsekar, P.**, et.al, (2017). Architectural Outline of Decision Support System for Crop Selection Using GIS and DM Techniques. In *Computing and Network Sustainability* (pp. 101-108). Springer, Singapore. ISBN 978-981-10-3934-8
4. **Tamsekar, P.**, et.al, (2015). GIS Based Decision Support System for Crop Selection, *International Journal Of Computer Research and Technology* , Vol-1, Issue-2, Dec 2015 , ISBN:2454-7719
5. Husen S., **Tamsekar, P.**, et.al, (2018) Effective use of GIS Based DSS for Identification of Artificial Water Recharge site. ISBN:978-93-5254-640-5
6. Husen, S., **Tamsekar, P.**, et.al, (2018). Proliferation of Methods for Artificial Water Recharge Sites Using GIS. *International Journal of Scientific Research in Computer Science and Engineering*, 06(01), 23-27.

7. Kulkarni, G., **Tamsekar, P.**, et.al, (2017). Effective use of GIS based spatial pattern technology for urban greenery space planning: a case study for Ganesh Nagar area of Nanded city. In *Proceedings of 2nd international conference on intelligent computing and applications* (pp. 123-132). Springer, Singapore.
8. Kulkarni, G., **Tamsekar, P.**, et.al, (2017). Effective use of GIS based Spatial Pattern Technology for Urban Greenery Space Planning: A Case Study for MIDC Area of Nanded City. *International Journal of Engineering Research & Technology (IJERT)* . ISBN 975935254498
9. Vijendra, K., **Tamsekar, P.**, et.al, (2017). Operational Analysis of Robbery and Attempt to Murder Cases using GIS: A Case Study of Nanded City pp. 118-125, *The Indian Police Journal* Vol.64 Issue 1 Jan-March-2017, ISSN 0537-2429
10. Wasnik, P., **Tamsekar, P.**, et.al, (2016, December). DSS for Prognostication of Academic Intervention by Applying DM Technique. In *International Conference on Recent Trends in Image Processing and Pattern Recognition* (pp. 194-201). Springer, Singapore.
11. Kailas, H., **Tamsekar, P.**, et.al, (2015). A Prototype Note for Location Based Services In Agriculture Using GIS, *International Journal Of Computer Research and Technology* , Vol-1, Issue-2, Dec 2015 , ISSN:2454-7719
12. Vijendra, K., **Tamsekar, P.**, et.al (2014). Crime Prevention Using GIS: A Case Study. *ICT and Higher Education*, ISBN 978-93-83389-77-3
13. Santosh, K., **Tamsekar, P.**, et.al (2014). Overview of GIS and Their Interdisciplinary Approach in Different Area. *ICT and Higher Education*, ISBN 978-93-83389-77-3

Committee Member

1. Organizing Committee member for one day State level workshop on “Digital Image Processing and It’s Applications” organized by School of Computational Sciences, Swami Ramanand Teerth Marathwada University, Nanded on 8th October 2018
2. Coordinator for two days National level workshop on “Development of Android Application for Handheld/Mobile Devices” organized by School of Computational Sciences, Swami Ramanand Teerth Marathwada University, Nanded on 3rd and 4th March 2017

3. Committee Member of “11th Maharashtra State Inter-University Research Convention AVISHKAR-2016 held at Swami Ramanand Teerth Marathwada University, Nanded during January 27 – 29, 2017
4. Organizing Committee member for one day State level workshop on “CBCS Pattern and Evaluation” organized by School of Computational Sciences, Swami Ramanand Teerth Marathwada University, Nanded on 23rd August, 2016
5. Organizer of launching event of “S.R.T.M.U. DIW(Digital India Week)” held at Swami Ramanand Teerth Marathwada University, Nanded during 14 – 19 September, 2015
6. Member of the “Dias seating arrangement committee in the 19th Maharashtra State Inter-University Krida Mohotsav 2015” organized by Swami Ramanand Teerth Marathwada University, Nanded during 27th November to 1st December, 2015

Training Program, Conferences, and Workshops Attended

1. Training Program (Equivalent to Refresher Course) on “Geospatial Technology” from 28th November to 18th December 2016 at Symbiosis Institute of Geoinformatics, Pune conducted under the aegis of NRDMS, Department of Science and Technology, Government of India.
2. International Workshop on “Application of Remote Sensing and Geographic Information System”(ARSGIS-2016) by School of Earth Sciences, S.R.T.M.U, Nanded on 23rd January 2016
3. National Conference on “Emerging Trends in Computer and Information Technology” by Bhusawal Arts, Science and P.O. Nahata Commerce College, Bhusawal on 17th October 2015
4. International Conference on “Information and Communication Technology” (ICICT-2015) held during 9 – 10 October, 2015
5. National Conference on “Data Mining & Pattern Recognition” organized by School of Computational Sciences, Swami Ramanand Teerth Marathwada University, Nanded on 27th – 28th February, 2015
6. Workshop “Digital Image Processing using Matlab (DIPUM-2015) organized by Department of Computational Sciences, S.R.T.M.U. Nanded’s New Model Degree College, Hingoli on 16th January, 2015

7. National Workshop on “Emerging Trends in Geospatial Technology for Smart City” organized by Srinivasa Ramanujan Geospatial Chair, Department of Computer Science & IT, BAMU, Aurangabad on 19 – 20 September, 2014
8. One week short term Training Program on “Big Data Analytics” organized by Department of Information Technology at P.E.S. College of Engineering, Aurangabad on 2 – 6 June, 2014
9. National Conference on “The Role of Information and Communication Technology in the Higher Education of Rural Area” held at Maharashtra Mahavidyalaya, Nilanga on 8 – 9 August, 2014
10. Indian Institute of Remote Sensing [off-campus outreach certificate program sponsored by National Natural Resource Management System (NNRMS) on “Remote Sensing, Geographical Information System & Global Navigation Satellite System” from 4th August – 14th November, 2014

Professional Services

Production Editor & Webmaster

2018 - Present

RGate's International Journal of Multidisciplinary Research

- ▶ Process manuscripts submitted for publication.
- ▶ Oversee production and publication procedures.

References

Dr. G. V. Chowdhary, Director and Professor,

School of Computational Sciences,

Swami Ramanand Teerth Marathwada University, Nanded-431606, Maharashtra, India

Email: girish.chowdhary@gmail.com

Office: 02462-229251

Dr. N. K. Deshmukh, Assistant Professor,

School of Computational Sciences,

Swami Ramanand Teerth Marathwada University, Nanded-431606, Maharashtra, India

Email: nileshkd.srt@gmail.com , nileshkd@srtmun.ac.in

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