

Dr. Prakash Arun Nemade

Designation : Assistant Professor
E-mail : prakash.nemade@dpu.edu.in
Telephone No. : +91-20-67919444, Extension: 9449
Qualification : M. Tech, PhD
Area of Specialization : Bioinformatics, Data Analytics, Machine Learning Techniques.



Academic Qualification

PhD - Bioinformatics (2015), First Division, Distinction, Maulana Azad National Institute of Technology (NIT), Bhopal, Madhya Pradesh
M. Tech - Bioinformatics (2010), First Division, Distinction, Maulana Azad National Institute of Technology (NIT), Bhopal, Madhya Pradesh
B. Tech - Bioinformatics (2008), First Division, Distinction, Dr. D.Y. Patil University, Pune, Maharashtra
AISSCE (2003), First Division, Central Board of Secondary Education (CBSE), Kendriya Vidyalaya, Hoshangabad, Madhya Pradesh
AISSE (2001), First Division, Central Board of Secondary Education (CBSE), Kendriya Vidyalaya, Hoshangabad, Madhya Pradesh

Other Qualification

1. Successfully completed "**Java Programming**" course from **SEED Infotech, Pune** with **Grade 'A'**.
2. Successfully completed "**Advance Java Programming**" course from **SEED Infotech, Pune** with **Grade 'A'**.
3. Successfully completed Certificate in Computer Software (CCS) from **APTECH** Computer Education with **DISTINCTION, 76%**.
4. Qualified **INTERMEDIATE GRADE DRAWING EXAMINATION - 2002** with **Grade 'A'**.

Professional Experience

Assistant Professor (October 2016 - Present), Dr. D.Y. Patil Biotechnology & Bioinformatics Institute, Tathawade, Pune 411033 Maharashtra, India.

Achievements

1. Recipient of **Institute Fellowship** for PhD by Maulana Azad National Institute of Technology, Bhopal, MP (Ministry of Human Resources & Development, Govt. of India)
2. Certificate of **Distinctive** performance in **4th National Science Olympiad**.
3. Passed **INTERMEDIATE GRADE DRAWING EXAMINATION - 2002** with **Grade 'A'**.
4. Hosted Program on **Bhopal Radio Station** and received applause.
5. **House captain** for one year (12th class) to lead 25% population of entire school students at Kendriya Vidyalaya, Hoshangabad, MP.

Invited Expert lectures Delivered

1. Delivered 01 Lecture in National Workshop on Basics of Bioinformatics organized by Department of Bioinformatics, Government Madhav Science P.G. College, Ujjain MP on Sep 12, 2015.
2. Delivered 04 Lectures and conducted 01 Laboratory Practical's in Training Program on Bioinformatics organized by MANIT, Bhopal sponsored by MP Biotechnology Council, Bhopal and under BIF of DBT, New Delhi and SIG on Bioinformatics of CSI during Aug 17 – Sep 01, 2015.
3. Delivered 05 Lectures in Training Program on Bioinformatics organized by MANIT, Bhopal sponsored by MP Biotechnology Council, Bhopal and under BIF of DBT, New Delhi and SIG on Bioinformatics of CSI during Oct 28 – Nov 11, 2014.
4. Delivered 02 Lectures and conducted 02 Laboratory Practical's in Hands on Training in Bioinformatics on "Bioinformatics and Structural Bioinformatics" organized by Bioinformatics Centre, Barkatullah University, Bhopal during Sep 08-24, 2014.
5. Delivered 02 Lectures in Hands on Training in Bioinformatics organized by Bioinformatics Centre, Barkatullah University, Bhopal during 19 May to 10 June, 2014.
6. Delivered 05 Lectures in Training Program on Bioinformatics organized by MANIT, Bhopal sponsored by MP Biotechnology Council, Bhopal and under BIF of DBT, New Delhi and SIG on Bioinformatics of CSI during Sep 04-18, 2013.
7. Delivered 03 Lectures and conducted 03 Laboratory Practical's in Hands on Training in Bioinformatics on "Bioinformatics and Structural Bioinformatics" organized by Bioinformatics Centre, Barkatullah University, Bhopal during July 15-31, 2013.
8. Delivered 02 Lectures and conducted 02 Laboratory Practical's in National Workshop on Bioinformatics organized by MANIT, Bhopal under BIF of DBT, New Delhi and SIG on Bioinformatics of CSI during May 13-17, 2013.
9. Delivered 04 Lectures and conducted 02 Laboratory Practical's in Hands on Training in Bioinformatics on "Bioinformatics and Structural Bioinformatics" organized by Bioinformatics Centre, Barkatullah University, Bhopal during Sep 10-27, 2012.

Journal Reviewer

- ❑ *Network Modeling Analysis in Health Informatics and Bioinformatics*, Springer

Research Papers

1. **Prakash A. Nemade**, Kamal R. Pardasani, "Fuzzy SVM model to predict human death domain protein-protein interactions", *Network Modeling Analysis in Health Informatics and Bioinformatics*, Springer, vol. 4, issue 1, 2015. DOI: 10.1007/s13721-015-0078-1
2. **Prakash Arun Nemade**, Kamal Raj Pardasani, "SVM model to predict human death domain protein-protein interactions based on Amino Acid Composition", *Trends in Bioinformatics*, Asian Network for Scientific Information, vol. 8, issue 1, pp. 14-25, 2015. (A-SCI) DOI: 10.3923/tb.2015.14.25
3. **Nemade PA**, Pardasani KR., "Support vector machine to predict human death domain protein-protein interactions", *Online Journal of Bioinformatics* 16(1):29-50, 2015.
4. **Prakash Nemade** and Heena Kharche, "Big Data in Bioinformatics & the Era of Cloud Computing", *IOSR Journal of Computer Engineering*, Vol. 14, Issue 2, pp.53-56, 2013.
5. **Prakash Nemade** and Heena Kharche, "Bioinformatics in the Era of Cloud Computing",

- Industrial Engineering Journal*, Vol. VI, Issue 10, pp.12-13, 2013.
6. Kishor Shende, **Prakash Nemade**, Adarsh Lalit, Durgesh, Anil Prakash "Analysis of codon usage preferences in *Bacillus cereus* ATCC 14579" *Journal of cell and tissue research*, Vol. 6, No. 3, 2006.

Subject's taught

Details of subjects taught to B.Tech (Bioinformatics), M.Tech (Bioinformatics), B.Tech (Biotechnology), M.Tech (Biotechnology), M.Tech (Computational & Systems Biology), B.Tech (Medical Biotechnology), M.Sc (Bioinformatics), M.Sc (Biotechnology).

1. Bioinformatics Computing.
2. Petri Net Models in Biology.
3. Genome Informatics and Proteome Informatics.
4. Chemoinformatics and Drug Designing.
5. Advances in Bioinformatics and Intellectual Property Rights.
6. Mathematics and Biostatistics.
7. Biostatistics.
8. Algorithms in Bioinformatics.
9. Perl and BioPerl.

Academic membership at Dr. D.Y. Patil Vidyapeeth, Pune

1. Member, Research development and sustenance committee.
2. Member, Library advisory committee.
3. Member, Alumni and Placement committee.

Conference, Training, Seminars & Workshops Attended

1. Participated and Presented Research Paper in **18th Annual cum 1st International Conference of Vijnana Parishad of India on Computational & Integrative Sciences** organized by MANIT Bhopal during 11-14 Dec 2015.
2. Participated in Short Term Course on **Computational Techniques for Scientific and Engineering Problems** organized by MANIT Bhopal during 18 – 22 May 2015.
3. Participated in one week Short Term Training Program on **IPR Issues: Patent Drafting and Processing of Patent Application** organized by IPR Cell, MANIT Bhopal during 14 March to 18 March 2015.
4. Participated in workshop on **Research Methodology & Scientific Paper Writing** organized by M.P. Council of Science & Technology, Bhopal during Feb 25 to 27, 2015.
5. Participated in National Seminar on Library-Publisher Partnership **Knowledge-Creation, Extraction, Discovery and Delivery** Held at Noor-Us-Sabhah Palace, Bhopal on Sep 15, 2014.
6. Participated in National Workshop on **Support Vector Machine in Pattern Recognition and Its application in Biological Sciences** at NIT Raipur during 23-27 Jan 2014.
7. Attended **3rd International Federation of Information Processing (IFIP) International Conference on Bioinformatics** organized by Maulana Azad National Institute of Technology, Bhopal during 23 to 26 Sep 2013.

8. Attended 5 days **National Workshop on Bioinformatics** organized by MANIT Bhopal during 13-17 May 2013.
9. Attended 5 days Short Term Training Program on **Finite Element Modeling with MATLAB** organized by MANIT Bhopal during 6-10 May 2013.
10. Participated in 2 days Short Term Course on **Numerical Methods for Science and Engineering** organized by MANIT Bhopal during 21-22 March 2013.
11. Participated and Presented Research Paper in **National Conference on Emerging Trends in Computational Science** organized by MANIT Bhopal during 8-9 March 2013.
12. Participated in two days **Workshop on MATLAB** organized by MANIT Bhopal during 27-28 Feb 2013.
13. Participated in 5 days **Workshop on Intelligent Computing Techniques in Data Mining** organized by MANIT Bhopal during 14-18 Jan 2013.
14. Attended Seminar on "**Current Trends in Cloud Computing**" by Prof. Manish Parashar, State University of Rutgers, at MANIT Bhopal.
15. Participated in one week Short Term Course on **Intellectual Property Rights – Patent Drafting, Procedures and Policies** organized by IPR Cell, MANIT Bhopal during 29 Oct – 2 Nov 2012.
16. Participated in Short Term Training Program on **Evolutionary Computing and Simulation Techniques in Engineering Applications** organized by MANIT Bhopal during 2 – 6 July 2012.
17. Participated in 2 week workshop on **Introduction to Research Methodologies** from 25 June to 4 July 2012 Organized by IIT Mumbai and MANIT Bhopal under ICT MHRD.
18. Attended the **1st International Federation of Information Processing (IFIP) International Conference on Bioinformatics** organized by Sardar Vallabhbhai National Institute of Technology, Surat during 25 to 28 March 2010.
19. Attended short term training program on "**Mathematical Modeling & Simulation**" in Sardar Vallabhbhai National Institute of Technology, Surat during 21 to 25 Dec 2009.
20. Attended short term training program on "**Data Warehousing & Data Mining**" in Sardar Vallabhbhai National Institute of Technology, Surat during 28 Dec to 1 Jan 2010.
21. Participated in **International Seminar cum Workshop on Computational Drug Discovery in Pharma R&D** at SVKM's NMIMS University, Mumbai on 6-7th Aug 2007.
22. Participated in **International Conference on Cheminformatics** conducted by National Chemical Laboratory (NCL), Pune during 22 to 24 January 2007.
23. Participated in Workshop on "**Venture Funding in Technology and Innovation**" at Seasons Hotel, Pune on 12th Oct 2007.
24. Participated in Workshop on "**Nano World 2008**" held on 22nd March 2008, at NCL Pune.
25. Attended plenary lectures on Cheminformatics by Dr. M. Karthikeyan, Scientist, National Chemical Laboratory, Pune.
26. Attended seminar on "Computer Aided Drug Designing in Drug Discovery" by Dr. R. Raghu, Application Scientist, Schrodinger.
27. Attended seminar on "EcoInformatics" by Scientist Dr. Vishwas Chavan, NCL, Pune.
28. Attended seminar on "Bioinformatics-Past, Present and Future." by Dr. Ravi Kumar, BioMinds Life Sciences Pvt. Ltd., Hyderabad.