

Aparna Vaidyanathan, Ph.D. (Computer Science)

Present position

- Assistant Professor

Contact Details (Mention e-mail) – fergusson.edu or despune.org



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Work Experience

- Since Teaching: 25 years
- Research/Industrial: 12 years

Personal Profile

I have extensive academic and industry exposure with teaching skills developed because of over 25 years of experience in teaching computer science-related subjects and concepts to both under-graduate and post-graduate students. The experience of corporate training and academics enriched the skill of teaching methods and innovation. The excellent communication and the thrust to learn new methodologies and approach to keep up the pace of the industry made me to contribute to innovations and research. As the demand of the organization, I have the experience to handle and coordinate administrative related activities with good team spirit. I have been equipped with an analytical mind and a strong desire to pursue knowledge and can develop research programs to enhance teaching, resourceful and creative.

Course(s) Taught (Only Titles)

Database, Data Mining and Data Warehousing, Predictive Modelling, Machine Learning, Business Analytics, Big data analytics and Data Science.
C, C++, PHP, DBMS, R programming, Software Engineering, Software Project Management.

Field of Specialization/Areas of Interests

- Data Analytics

- Predictive Modelling
- Business Analytics
- Machine Learning
- Artificial Intelligence

Education

- Ph.D. – (Computer Science): from 2019 to 2022
Title of the Thesis: Predictive Modelling Analysis to prevent Juvenile diabetes.
Name of University / Institution:
Year of Award: 2022
- M.Phil in (Computer Science): 2009
 Alagappa University, Karaikudi.
- Master of Science- (Computer Science): 1996
 Avinashilingam Deemed University, Coimbatore.
- Bachelor of Science- (Computer Science): 1994
 Ramakrishna College of Arts and Science, Bharathiyar University, Coimbatore.

Fellowship/Awards/ Certifications/Achievements/Recognitions

1. Received Best Teacher Award by Fergusson College for the year 2015-2016.
2. Received “Appreciation letter” for implementing Online Feedback system by Fergusson College.
3. Received Excellent Award for “Best Performance” by NIIT Ltd in 1999.
4. Felicitated by Wipro Technologies as a member for highest contributing team for campus drive.
5. Represented Fergusson College along with Penn state university in student exchange Programme at persistent software Pvt Ltd.

Certifications:

1. Certified IBM Professional in Predictive Analytics Modeler - Mastery Award for Educators 2016
 Issuing authority IBM.
2. Certified Microsoft Professional Windows Edition in 1998.

Member of College Committees/ Professional Bodies and Others

College Level	Professional Bodies	Others
• Swayam MOOCS Coordinator	UGC	

Employment History

Example:

- 1) **Organization** : NIIT Ltd
Role : Senior Systems Executive
Duration : 2 years

Research Publications in National and International Journals

1. “A Predictive model approach to detect the influence in transmission of Juvenile diabetes from Gestational parent to the next generation” (Excellent Paper Award)
4th International Conference on Research in Applied Science Munich Germany. · Jul 31, 2021
2. An Overview on Inference Model Application to Detect Juvenile Diabetes in Given Diabetic Patients Data using Classification Techniques (Excellent Paper Award)
International Conference on smart technology, Artificial Intelligence and computer engineering held in Pune · Oct 4, 2020
3. An Overview on Inference Model Application to Detect Juvenile Diabetes in Given Diabetic Patients Data using Classification Techniques. International Conference on smart technology, Artificial Intelligence and computer engineering held in Pune on 4th October 2020 ISSN No: 2321-2063 Excellent Paper Award.
4. Machine learning approach to analyze the influence of Juvenile diabetic patients for better Medication. ICRACSIT (International Conference on Recent Advances in Computer Science and Information Technology 2017-18) ISSN No: 2321 –9009 Excellent Paper Award
5. Data mining techniques through Genetic Algorithms. eITBM2012. Baramati Conference Proceedings 2013-14. Excellent Paper Award.
6. Intelligent Web Crawlers using Genetic algorithms for Educational Institutions. eITBM2012. Baramati Conference Proceedings 2012-13
5. Web Personalization in Universities. Conference Proceedings 2010-11. CSI Chapter Ahmedabad.

Consultancy Services

1. T-SQL Training sessions for the employees at EXCELLON SOFTWARE LTD Pune- 2018.
2. Data Warehousing Sessions for Tech Mahindra Pvt Ltd Pune Employees as a part of BITS collaborative MS Software Engineering programme.2015.
3. Data Warehousing Sessions for Persistent Pvt Ltd Pune Employees as a part of BITS collaborative MS Software Engineering programme.2015.
4. Data Warehousing Sessions for Tech Mahindra Pvt Ltd Employees as a part of BITS collaborative MS Software Engineering programme.2014.
5. Data Base Management System for Infosys Ltd Pune Employees as a part of BITS collaborative MS Software Engineering programme.2014.
6. Data Warehousing Sessions for Tech Mahindra Pvt Ltd Employees as a part of BITS collaborative MS Software Engineering programme.2013.
7. Object Oriented Programming Sessions for Persistent Pvt Ltd Pune Employees as a part of BITS collaborative MS Software Engineering programme.2013.

8. Object Oriented Programming Sessions for Tech Mahindra Pvt Ltd Pune Employees as a part of BITS collaborative MS Software Engineering programme.2013.
9. Conducted Lecturer Series in National Insurance Academy for Computation and Simulation.
10. Conducted Lecturer Series in National Insurance Academy for Computation and Simulation.
11. Conducted “Cyber Crime Awareness Programme” through Rotary club Pune 2010.
12. Conducted Personality Development Programme for Pune Police in 2010.