

**Name** : Mrs A.Vinitha  
**Designation** : Assistant Professor  
**Department** : Computer Science with Cyber Security  
**Qualification** : M.Sc., M.Phil.,(Ph.D)  
**Experience** : Teaching : 8.5 Years      Industry : Nil      Research : 3 years  
**Area of Specialization(s)** : Machine Learning, Big Data Analytics  
**Email (Official ID)** : vinitha@drngpasc.ac.in



### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Computer Science	Dr. N.G.P. Arts and Science College, Coimbatore	Pursuing
M.Phil.	Computer Science	Dr. N.G.P. Arts and Science College, Coimbatore	2014
MSc	Computer Science	Dr. N.G.P. Arts and Science College, Coimbatore	2012
BCA	Computer Applications	P.S.G.R. Krishnammal College for Women	2010

### Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Online Certificate	Python Programming	Solo Learn	2022

### Research Publications (Indexed)

- A.Vinitha, Dr. V.Jaiganesh, **Intrusion Detection System Using Machine Learning Algorithms : A review**, Advanced Engineering Science, Vol. 54, Issue 2 , October 2022, ISSN : 2096 – 3246, (Indexed in Scopus).

- A.Vinitha, Dr. V.Jaiganesh **A Critical Review of IDS IN IOT**, Kanpur Philosophers International Journal of humanities, Law and Social Sciences, Vol. 9, Issue II, No.4, November 2022, ISSN: 2348-8301, (UGC CARE)
- A.Vinitha **IOT in healthcare: A Survey**, Journal of Education Rabindra Bharati University, Volume XXIII, Issue 8, September 2021, ISSN: 0972 – 7175, (UGC CARE).

#### Other Publications: International / National Journals

- A.Vinitha, **A Survey of Thyroid Detection using Datamining Techniques** , EPRA International Journal of Research and Development, Volume 5, Issue 7, pp. 76 - 78 July 2020 ISSN: 2455 – 7838, DOI : 10.36713/epra2016.
- Dr.V.Jaiganesh, Dr. P.Sumathi, A.Vinitha, **Intrusion Detection System using multiclass batch algorithm**, International Journal of advanced research in computer and communication engineering , Volume 4, Issue 2, February 2015 ISSN : 2278 – 1021, DOI : 10.17148/IJARC015.4214.
- Dr.V.Jaiganesh, Dr. P.Sumathi, A.Vinitha, **Classification Algorithms in Intrusion detection system** , International Journal of Computer Technology and Applications, Volume 4 Issue 5, 746 – 750 Sep to Oct 2013, ISSN : 2229 – 6093.

#### Presentations in Conference

- **Intrusion Detection System**, International Conferences on “ Enjoyable Programming & IT Trends, Ayyan Thiruvalluvar College of Arts and Science, 19<sup>th</sup> and 20<sup>th</sup> Dec 2012
- **Intrusion Detection System Using Machine Learning Algorithms**, 4th National conference on Issues and Trends in Advanced Computing, Bannari Amman Institute of Technology, Sathyamangalam, 14<sup>th</sup> & 15<sup>th</sup> Mar 2014.
- **IOT in healthcare: A survey**, Two days international e-conferences on Recent Trends and Technologies in Soft Computing, St.Peter’s Institute of Higher Education and Research, Avadi, Chennai, 28<sup>th</sup> and 29<sup>th</sup> Sep 2020.
- **Challenges in IOT: A Survey** , 1<sup>st</sup> National Conferences on Recent trends in Intelligent Computing, PSG College of Arts & Science Coimbatore, 25<sup>th</sup> march 2021.
- **IOT in Agriculture: A Survey**, 2<sup>nd</sup> National virtual Conferences on Applications of Deep learning in Artificial Intelligence for Healthcare, Dr. N.G.P Arts and Science College Coimbatore, March 2021
- **IOT in Health Care and its Issues in Implementation**, 4<sup>th</sup> International E-conferences on Incipient Research in Information Technology, Commerce Management and

Linguistics, The Quaide Milleth College for Men in Collaboration with Dambi Dollo University Ethiopia, 17<sup>th</sup> and 18<sup>th</sup> Sep 2021

- **IDS in IOT : A Review**, International Conference on Intelligent Computing and Technology , Sri Ramakrishna College of Arts & Science, Coimbatore, 9<sup>th</sup> March 2022
- **Intrusion Detection System using Machine Learning Algorithm**, International Conference on Advanced Computing and Informatics (ICACI), SIMATS School of Engineering, Saveetha Institute of Medical & Technical Sciences, Chennai, September 9<sup>th</sup> and 10<sup>th</sup> 2022
- **Comparison of Machine Learning Algorithms for detecting the intrusions in IDS**, International Conference on Artificial Intelligence and Blockchain(ICAIBC), ,Bannari Amman Institute of Technology, Sathyamangalam, Jan 5<sup>th</sup> and 6<sup>th</sup> 2023.

### Participation in Conference

- International Seminar, P.S.G.R Krishnammal College for Women, Dec 18<sup>th</sup> 2009.
- National Conference, Dr N. G. P Arts and Science College Coimbatore, 3<sup>rd</sup> Feb 2012
- International Seminar on Research in Computers Why What and How? , Bharathiar University ,10 Feb 2012.

### Participation in Workshop

- MATLAB Programming, Tirupur Kumaran College for Women, Tirupur, 31<sup>st</sup> Jan 2014
- NPTEL Workshop,National Programme on Technology Enhanced learning IIT, Madras, 31 August 2013.
- Participated in Two days National Level workshop on “Research Issues in Data Mining and Implementation Aspects, Sri Krishna College of Engineering and Technology, Coimbatore, 21<sup>st</sup> and 22<sup>nd</sup> Feb 2014.
- Placement Training Workshop Finishing School, P.S.G.R Krishnammal College for Women, Coimbatore, Oct 2009.
- How to test a Software Using Testcases,P.S.G.R Krishnammal College for Women, Coimbatore, 28<sup>th</sup> Aug 2009 to 28 Aug 2009
- Online workshop on NEP 2020, UGC-HRDC Osmania University, Hyderabad Telangana, 14 Sep to 16 Sep 2022.

### Participation in Faculty Development Programme

- Introduction to Big Data Analytics, Nandha Engineering College, Erode, 19 Oct and 20 Oct 2016.

- Introduction to Mobile App Development, Nandha Engineering College, Erode, 19 Oct and 20 Oct 2016.
- Cloud Application Development, CHRIST Kengeri Campus, Bangalore, 13 th and 14 th may 2020.
- Python 3.4.3, Adhiparasakthi Engineering College in association with Spoken Tutorial Project IIT Bombay, 16 April 2020 to 22 April 2020.
- Advancement in Online Tools, Office Tools and ERP Software, A.V.P. College of Arts and Science, 11 June to 17 June 2020.
- Recent Trends in Color Image Processing, Patrician College Chennai, 11 May 2020
- Applied Research in Multidisciplinary Studies, Sona College of Technology, Salem, 18 and 19 May 2020.
- Recent Technologies, Sathyabama Institute of Science and Technology, 29 Nov to 6 Dec 2022
- Data Analytics and Visualization using Tableau, Sri G.V.G Visalakshi College for Women, 14 Nov to 18 Nov 2022
- Machine Learning and Deep Learning, SRM Institute of Science and Technology Ramapuram campus, Chennai, 11 Oct to 15 Oct 2022
- Emerging Technologies in Computer Science Research, PPG College of Arts and Science, Coimbatore, 19 Dec 2022 to 27 Dec 2022.
- Personality Grooming – Handling Stress and Emotional Intelligence, PPG College of Arts and Science, Coimbatore , 2 Jan 2023 to 6 Jan 2023.
- Research and Methodology in Computer Science, KG College of Arts and Science , 23 Jan to 28 Jan 2023.
- Selection of Scholarly Journals and Web Visibility – Strategies and Techniques, Dhanraj Baid Jain College Chennai, 20/02/2023 to 28/02/2023

#### **Invited Speaker / Session Chair- Conference / Seminar / Workshop**

- Resource Person, IOT Applications in Real Life, Hindusthan College of Arts and Science, 18 June 2021.