

Dr.B.VASUMATHI
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OBJECTIVE

To obtain a responsible position as Assistant Professor where my teaching and research experience will be helpful. I can continue to be an effective teacher through clearly communicating my expectations to students, skillful presentations, and good rapport with students and faculty, and keeping students engaged via interdisciplinary teaching and research in the different fields.

EDUCATIONAL QUALIFICATION

S.NO	BRANCH OF STUDY	NAME OF SCHOOL /INSTITUTION	YEAR OF PASSING	PERCENTAGE
1	Ph.D.,	Bharathiyar University,india	2019	-
2	MPhil	Bharathidasan University,india	2008	85%
3	MCA.,	Bharathidasan University,india	2006	76%
4	BCA.,	Kongu College of Arts& Science ,Karur,india	2003	74%

SPECIALIZATION

- ❖ **DATA MINING**
- ❖ **DIGITAL IMAGE PROCESSING**
- ❖ **NEURAL NETWORK**
- ❖ **ENTERPRISE RESOURCE PLANNING**
- ❖ **BIG DATA ANALYTICS**
- ❖ **STATISTICAL ANALYSIS**

EXPERIENCE

S.NO	INSTITUTION / COMPANY	FIELD	EXPERIENCE
1	Sri Sarada College of Arts & Science for Women, Karur, Tamilnadu, India	Lecturer	08/07/2006 to 24/10/2006
2	PGP College of Arts & Science, Namakkal, Tamilnadu, India	Asst. Professor	04/07/2007 to 01/03/2017
3	Muthayammal College of Arts & Science, Namakkal, Tamilnadu, India	Asst. Professor and Head	01/06/2017 to 19.01.2022
4	Sri Adithya College of Arts & Science, Coimbatore, Namakkal, Tamilnadu, India	Asst. Professor	20.01.2022 to 20.05.2023
5	Brainware University, Barasat, Kolkata, West Bengal, India	Associate Professor	05.06.2023 to till date

Research Paper Published : 18

1. B.Vasumathi, Dr.A.Saradha "FORECASTING IN SAP-SCM (SUPPLY CHAIN MANAGEMENT)" International Journal of Computer Science and Mobile Computing Vol. 2, Issue 7, July 2013. ISSN(Online): 2320-088X
2. B.Vasumathi, Dr.A.Saradha "ANALYSIS OF PRODUCTION PERFORMANCE OF TAMILNADU NEWSPRINT AND PAPERS LTD – CASE STUDY" International Journal of Science and Engineering Applications Vol. 2, 2013. ISSN(Online): 2319-7560
3. B.Vasumathi, Dr.A.Saradha "FORECASTING INTERMITTENT DEMAND FOR SPARE PARTS" International Journal of Computer Applications Vol. 75, 2013. ISSN(Online): 0975 – 8887
4. B.Vasumathi, Dr.A.Saradha "NUMERICAL METHOD FORECASTING INTERMITTENT DEMAND FOR SERVICE PARTS INVENTORIES" International Journal of Interdisciplinary Research and Reviews, 2013. ISSN(Online): **2319-8788**
5. B.Vasumathi, Vinothini "A STUDY ON DIFFIE-HELLMAN ALGORITHM IN NETWORK SECURITY" International Journal of Engineering and Computer Science, Vol.3 2014. ISSN(Online): **2319-7242**
6. B.Vasumathi, Vinothini "A STUDY ON RSA ALGORITHM FOR CRYPTOGRAPHY" International Journal of Computer Science and Information Technology, Vol.5 2014. ISSN(Online): **2028-9324**
7. B.Vasumathi, Dr.A.Saradha "FORECASTING OF SPORADIC DEMAND PATTERNS WITH SPARE PARTS" International Journal of Innovation and Applied Studies, 2014. ISSN(Online): **2028-9324**
8. B.Vasumathi, Vivek, Nagarjune "Big Data Analysis and Tools" International Journal of Engineering Research and Management, Vol. 2 2015. ISSN(Online): **2349-2058**

9. B.Vasumathi, Karthikeyan, Vignesh “Study On Security Challenges In Cloud Computing” International Journal of International Journal of Engineering Research and Management, Vol. 2 2015.ISSN(Online): **2348-7968**
10. B.Vasumathi,Dr.A.Saradha “Enhancement of Intermittent Demands in Forecasting for Spare Parts Industry” Indian Journal of Science and Technology, Vol. 8,issue.25,Oct-2015.ISSN(Online): 0974-5645,ISSN (Print): 0974-6846 Scopus & SCI Expanded Indexed List
11. B.Vasumathi, “Fuzzy set classified Neural Network Approach for Short Term Load Forecasting”International Journal of Research in Computer Science & Technology,Vol. 1,issue 8, Nov- 2015. ISSN(Online): 2395-5325.
12. Dr. B.Vasumathi, K.Vijayakuamr “Analysis of Model Error Correction in data assimilation using Hybridization Convolutional Neural Networks” International Journal of Advanced Research in Discoveries in Engineering and Applications,Vol. 4,issue 6, Dec- 2019. ISSN(Online): 2456-8805
13. Dr. B.Vasumathi, A.Raja “Convolutional Neural Network Based Secure Heterogeneous Internet Of Things With Unreliable Storage” International Journal of Advanced Research in Discoveries in Engineering and Applications,Vol. 4,issue 6, Dec- 2019. ISSN(Online): 2456-8805
14. Dr. B.Vasumathi, R.Naveenkumar, Subrata Sinha “Enhancements in selection techniques for image processing” International Journal of Information and Computational Science, Volume 13 Issue 7 - 2023. ISSN(Online): 1548-7741
15. Dr. B.Vasumathi, Chandan Ghosh, Abhijit Bera, Riya Mandal Das “A Comparative Study of the Nelder–Mead Simplex Search Method in Deep Learning and Machine Learning Optimization” Solovyov Studies ISPU, Volume 71 Issue 9 - 2023. ISSN: 2076-9210
16. Dr. B.Vasumathi , Payal Neogi , Debabrata Sahana, Arohan Gupta, Arvind kumar, “Hierarchical Clustering Method to Determine Admission Promotion Strategy of New Students”, Journal of Xidian University, Volume 17 Issue 9 – September-2023, ISSN: 1001-2400. <https://DOI:10.37896/jxu17.9/088>.
17. Raju Sharma , Subrata Sinha , B.Vasumathi , “Unveiling The Potential Of Animal Toxins: A Comprehensive Offline Database For Toxin Target Insights”, International Journal of Current Science, Volume 13, Issue 4 November 2023 | ISSN: 2250-1770.
18. B.Vasumathi , Pampa Ghosh Saha , Sourav Bhattacharya, “SPORT ANALYTICS FOR CRICKET GAME USING CLUSTER ALGORITHM: AN EXPERIMENTAL STUDY”, Heritage Research Journal, Volume 71, Issue 12, 2023 | Page No. 28. ISSN No: 0474-9030.

No.of Books Published: 3

Name of the Book	ISBN No.	Name of the Publisher	Year
ML models Adopt IoT and Blockchain_ Buy ML models Adopt IoT and Blockchain	978-93-5757-490-7	SCIENTIFIC INTERNATIONAL PUBLISHINGHOUSE (SIPH)	2023
Programming in C The Complete Beginners Guide	978-93-5593-300-3	Self Publishing	2021
Enterprise Resource Planning	978-93-86770-68-4	Pallavi Pathippakam	2017

No.of SWAYAM Courses: 1

Name of the Course	TimeLine	Score
Python for Data Science (NPTEL)	JUL-AUG 2021	55

No.Of Patent Published:2

Patent	Title	Date	Application Number
UK Patenet – Grant	Sensor Based Smoke and Heat Detector	11.10.2023	Design No: 63151515
Indian Patent	SECURE OVER DATA PRIVACY USING KNN CLASSIFICATION IN IOT DEVICES IN MACHINE LEARNING APPROACH	15/07/2022	202241038492
Indian Patent	Recurrent Deep Neural Classifiers for improving SDN-IOT Network based software recommendation system	08/01/2021	202041056853

No.Of International Conferences : 4

Title of the International Conference	VENUE	DATE	Title of the Paper	PARTICIPATED/PAPER PRESENTED if presented title of the paper
International Conference on "IoT for Smart Environment"	Annai Women's College of Arts & Science, Karur	23 rd February 2018.	Artificial Neural Network Based Trends Analysis & Forecasting Model for Course	Participated
Electrical, Electronics, Engineering Trends, Communication, Optimization and Sciences (EEECOS/E3COS) Electrical, Electronics, Engineering Trends, Communication, Optimization and Sciences (E3COS)	Sri Sunflower College Of Engineering and Technology, Lankapalli (Vijayawada)-521126, Krishna Dist., A.P., INDIA	28 th - 30 th Mar 2015	Sporadic Demands in Forecasting	Persented
Big Data Analysis and Distributed System	Periyar College of Arts & Science, Pennagaram	12 th September 2014	Numerical Analysis of Irregular Demands in Forecasting	Persented
Impact of LPG in Indian Business Scenario	Annai Mathammal Sheela Engineering College	18 th February 2012.	Business Application in SAP	Persented

No. Of International Seminars:3

Title of the Seminars	Organized by	Year
Research Methodology	Asan College of Arts & Science, Karur	05-Oct-16
Free Software Movements In Education	K.S.R College of Arts & Science, Tiruchengode	07-Feb-12
Impact of LPG in Indian Business Scenario”	Annai Mathammal Sheela Engineering College	26 th February 2011

No. Of National Seminars :2

Title of the Seminars	Organized by	Year
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Data Science & Fusion in Middleware	N.K.R Government Arts College for Women	27-Jan-17
Emerging Trends in Information Technology	Vivekanandha College of Arts and Sciences for Women	7th October 2008

No. Of Workshops : 3

Title of the Workshop	Organized by	Year	Title of the Workshop	Organized by
Web Design	PGP College of Arts & Science, Department of Computer Science	08.12.2014 to 10.12.2014	Web Design	PGP College of Arts & Science, Department of Computer Science
Applications of Statistical Software	Bharathiyar University, Department of Statistics, Sponsored by UGC, TNSCST	21,22 Aug 2014	Applications of Statistical Software	Bharathiyar University, Department of Statistics, Sponsored by UGC, TNSCST
LINUX	PGP College of Arts & Science, Department of Computer Science	21 st January 2012.	LINUX	PGP College of Arts & Science, Department of Computer Science
Intellectual Property Rights and Innovation	Muthayammal college of Arts & Science, Rasipuram	24.08.19	Intellectual Property Rights and Innovation	Muthayammal college of Arts & Science, Rasipuram

No. Of Faculty Development Programs : 4

Title of the FDP	Organized by	Year	No.Of.Days	Title of the FDP
Skill Development	Infosys, Bangalore	2017	10	Skill Development
Quality Measures in Higher Education	NGP College of Arts & Science, Coimbatore	2018	5	Quality Measures in Higher Education
Intellectual Property Rights and Innovation	PSGR Krishnammal College of Arts & Science	2018	1	Intellectual Property Rights and Innovation
Data Science and Big Data Analytics	ICT Academy, Vivekanadha College of Engineering for women (Autonomous)	2019	6	Data Science and Big Data Analytics

No. Of Workshop/Seminars/Webinar (Resource Person) : 11

Title of the Seminar	Organized by	Year	No.Of. Days
Recent Trends in Network & Data Mining	Balamurugan College of Arts & Science, Omalure	2019	1
Database Analytics with NoSQL / MongoDB	KR College of Arts & Science, Kovilpatti	2020	1
Dot net programming	Dr. N.G.P. Arts and Science College	2021	1
Big Data Analytics	Karpagam Academy of higher education	2021	1

Intellectual Property Rights and IP Management Start up	Muthayammal college of arts and science	2021	1
Workshop on IPR	Muthayammal College of arts and science	2021	1
CYBERNETICS towards students approach	Nazareth College of Arts and Science, Avadi, Chennai-62	2021	1
Faculty Development Programme (FDP) on "Advance Technology in IT"	Karpagam Academy of Higher Education , Coimbatore,Tamilnadu, India	2021	1
Expert Lecture Series-I on "POINTERS AND FILES IN C"	KPR College of Arts Science and Research Coimbatore,Tamilnadu, India	2021	1
National Level Webinar on "Big Data Analytical Tools"	VELTECH RANGA SANKU ARTS COLLEGE	2022	1
FDP on "Innovative Approaches for Outcome-based Teaching-Learning on AI"	Brainware University, Kolkata, West Bengal	2023	1
Intellectual Property Rights and IP Management Start up	ADMINISTRATIVE MANAGEMENT COLLEGE, Bengaluru	2023	1

PERSONAL STRENGTH

- ❖ Self confidence, Patience and Diligent,
- ❖ Ability to Coordinate team work,
- ❖ Like to learn many things,
- ❖ Being optimistic and ability to adopt,
- ❖ Good Communication Skill,

PERSONAL PROFILE

Nationally	: Indian
Date of Birth	: 29 th Dec' 1982
Husband's Name	: S.Baskar
Husband's Occupation	: Business
Mother Tongue	: Tamil
Languages Known	: Tamil & English (Write and Speak), Telugu(Speak)
Marital Status	: Married
Religion/Community	: Hindu/BC
Address for Communication	: R-304, Fortune Township, Barasat, West Bengal, India

DATE:

PLACE:

[Dr.B.VASUMATHI]