Name   : Dr. S.NAGINI
Designation: Professor and HoD-CSE&CSBS
Department: Computer Science & Engineering
Mail. ID   : nagini_s@vnrvjiet.in
AICTE ID : 1-464122745
DOB   : 27th December 1971
Experience (in years): Teaching:25yrs   Research:13yrs   Others(if any, specify):NIL

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	Ph.D.	2017	Data Mining
2.	M.TECH	2007	CSE
3.	MCA	1995	Computer Applications
4.	B.Sc	1992	Computer Science

2. Teaching and Learning:

2.1. **Teaching Interests:** Programming Languages, Data Structures, Databases, Data Mining, Operating Systems, Computer Organization, Object Oriented Analysis & Design, Digital Logic Design, Python Programming.

2.2. **Novel Teaching & Learning Techniques adopted**: Black Board Teaching, Learning by Doing, MOOCS, NPTEL,WIT WIL,POGIL

2.3. **Involvement in curriculum updating / Design:** Chairman BOS, Member of DAC(Department Academic Committee), PAC(Programme Academic Committee)

3. Co-curricular and Extra-Curricular Activities

3.1. **Interests and Hobbies:** Tennis

3.2. **CCA/ECA Organized:-**Faculty Coordinator for CONVERGENCE 2K18, Coordinator Turing Hut(a coding club), Programme Committee Member(ISOC)

3.3. **CCA/ECA participated**:-nil

3.4. **Counseling and Mentoring Activity:** 20 members from each year of B.Tech(CSBS)

3.5. **Committees involved in:**

Départment level: DAC, PAC, BOS, NBA(UG & PG), NAAC, NQR,

Institute Level: Member of Turing Hut, SPOC CSBS, NAAC

4. Conference / Workshop / Seminar / Guest Lectures:

4.1. **Conducted:** 50

4.2. **Attended:** 75

5.Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: Guest Lecture for Data Structures and Advanced Data Structures, Webinar on behalf of IEEE(student chapter VNR VJIET) on "Blockchain Technologies"

5.2. Articles / Chapters published in Books: Book Chapters: 2

5.3. Books published as single author or as editor: 1(Proceedings of Third International Conference on Advances in Computer Engineering and Communication Systems ICACECS 2022

5.4. Projects Guided:

        a) UG: 44 Nos.

        b) PG: 14 Nos.

5.5. Research Interests: Data Mining, Machine Learning, Blockchain Technology

5.6. Ph.D students:

        a) Enrolled: 02

        b) Submitted: nil

        c) Awarded: nil

5.7. Papers published in reviewed Journals:

Sl. No.	Title with page nos.	Journal	ISSN / ISBN No.	Whether peer reviewed Impact Factor, if any	No. of Co-authors	Whether you are the main author
1	Data mining Approach to Big data	Vol 3, issue4, 258-262	2347-8578 & ISO 3297:2007	yes	2	No
2	Partial image enhancement by Re-sampling of pixels using image enhancement techniques	Vol 4, issue 2,280-284	2321-8169	yes	3	No
3	A Complete Survey On Application Of Data Mining Techniques On Medical Image Databases", Research	IJAER Volume 10, Number 2 (2015) pp. 2627-2640,	0973-4562	yes	2	Yes

		India Publications, 2015					
4	Enhancement of SVM based MRI brain Image classification using pre-processing techniques	vol 9, issue 29, IJCST, Aug 2016	0974-6846	yes	2	Yes
5	Effective analysis of land surface water resources of Andhra Pradesh with rough set based hybrid data mining techniques using R",	Vol 5, issue 2 , IJCSE, Mar 2016 , pp 5-14.	2347-2693	yes	2	No
6	Agriculture Yield Analysis using Som Classifier Algorithm along with Enhanced Pre-processing Techniques",	Indian Journal of Science and Technology, Volume 9 Issue 27, Aug 2016.	0974-6846	yes	2	No
7	CloudShield: A Reputation-Based Trust Management Framework delivering TaaS	IJARTET, Vol. 4, Issue 3, March 2017	ISSN 2394-3785	yes	2	No
8	Profit Maximization Approach by a Novel Renting Methodology in Cloud Services	International Journal of Engineering Research and Advanced Development Volume 4, Issue 01, DIP:18.03.15/20	ISSN: 2395-5163	yes	2	No

		180401 January - 2018				
9	Effective Analysis of Brain Tumor using Hybrid Data Mining Techniques	IJARCS, Volume 8, No. 7, July – August 2017,	ISSN No. 0976-5697	yes	2	Yes
10	"A Novel Cloud Renting Scheme in a Homogeneous Environment for Service Provider to Maximize Profit"	International Journal of Research, Volume 04, Issue 13, October 2017.	ISSN 2348-6848	yes	2	No
11	Machine Learning approach for Breast cancer prediction"	Journal of Advanced Computer Science & Technology.	ISSN: 2227-4332. May 2019	yes	2	No
12	Naive Bayes Approach For Performing Sentiment Analysis On Twitter Streaming Data	The International Journal Of Analytical And Experimental Modal Analysis 2020		yes	2	
13	A Model for NTL Detection of Electricity Theft	International Journal of Engineering & Technology 2018		yes	2	

14	LTE: Advancement of 3G Technology	International Journal of Computer Applications 2016	973-93-80894-80-1	yes	2	
15	Sustainable and Portable Low Cost IOT Based Terrace Model to Grow True Organic Greens.	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249-8958 (Online), Volume-8 Issue-6, August 2019	yes	4	
16	SCP:Design of Situated Cognitive Processing Model to assist learning Centric Approach for higher Education in Smart Classrooms.	International Symposium on Computational Imtelligence 2019	https://doi.org/10.1007/978-981-15-5400-1_63	yes	3	
17	Prediction Model for Pneumonia Disease by Machine Learning Algorithms.	International Journal of Research		yes	2	
18	The Feasibility Study on Land Suitability Using GIS Tool".	Journal of Environmental Cultural Economic & Social Sustainability	ISSN: 1832-2077 (Print) Volume: 5 Issue: 6 Date: November 09, 2009	yes	2	
19	Pneumonia detection at early stages through	JOURNAL OF CRITICAL REVIEWS		yes	2	

	chest x-rays using deep learning					
20	Student performance analysis for outcome based education	International Journal of Early Childhood Special Education	ISSN: 1308-5581 Vol 14, Issue 05 2022	yes	2	
21	A real-life decision-making problem with Hendecagonal fuzzy numbers	Journal of Intelligent & Fuzzy Systems	ISSN NO:1875-8967 ,PP: 1-15, Jan 2022	Yes	6	
22	IoT – based Machine Learning Model to Predict Air Quality Index	High Technology Letters	ISSN: 1006 - 6748	yes	2	No

5.8. Papers presented at National / International conferences:

Sl. No.	Title with page nos.	Details of Conference Publication	ISSN / ISBN No.	No. of Co-authors	Whether you are the main author
1.	Agriculture Yield Prediction Using Predictive Analytic Techniques	IEEE IC3I, 2016.		2	No
2.	A Novel Data Mining Approach for Brain Tumour Detection	IEEE IC3I, 2016.		2	Yes
3	A Recent Survey on the usage of Data Mining Techniques for Agricultural dataset Analysis"	ICRSKT-2014		2	No
4	Automation of Proficy	ICACCT, 2013		2	No

	iFix SOA Dataproviderservice", Computing				
5	An approach for user Modeling of contextual Data Mining towards assisting the treatment of Anxiety Disorders"	Systemics, Cybernetics and Informatics'		2	No
6	Eye state Detection and Analysis for Driver's Fatigue" in International Conference ''	Systemics, Cybernetics and Informatics		2	No
7	"Driver Fatigue Monitoring system based on Pupil analysis"	KGiSLII M Coimbatore		2	No
8	A Review on DNA Computing	SKET		2	Yes
9	Explorative Data Analytics of Brain Tumor Data Using R	IEEE ICCTCEEC		2	Yes
10	An Efficient Secure Protocol for integrity checking of data files outsourced to remote server	International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)		4	No
11	A Model for NTL Detection of Electricity Theft	IEEPS – 18		2	No
12	NTL Electricity Theft- An Analysis carried	ICICSIT			

	out using statistical and Data mining Techniques				
13	Machine Learning Approach to Track Malnutrition in Children with Rural Background	ICACECS-2020		2	
14	Indian Ocean Forecast Dissemination System along Ship Routes	ICACCT		2	
15	A Survey Paper on an IoT-based Machine Learning Model to Predict Air Pollution Levels	Electronic ISBN:978-1-6654-7436-8 Print on Demand(PoD) ISBN:978-1-6654-7437-5		2	No

5.8: Patents:

1. Patent Title : Critical Patient Monitoring Device using Machine Learning

Applied/Published/Granted: Published
Application No.: 202041023578 A
Patent Journal Details: Patent Office Journal No :
24/2020, PP. 22001

2. Patent Title: ASP: Crime Site Analysis: Automatic method and process of performing crime site analysis and management system
Applied/Published/Granted: Published
Application No.: 202041051970
Date of Filing:29-11-2020

3. **Patent Title:** Transparent And User-Friendly Billing System, Method And Process Towards Smart Governance
Applied/Published/Granted: Published
Application No.: 202141006551 A
Date of filing of:17-02-2021

4. **Patent Title:** Virtual Mom Responsive Baby Monitoring Toy
Applied/Published/Granted: Published
Application No.: 202141020965 A
Date of Filing: 11-06-2021

5. **Patent Title:** Crop Recommendation and Disease Prediction System
Applied/Published/Granted: Published
Application No.: 202341028135
Date of Filing: 18-04-2023

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	Electricity Theft Analysis	UGC-Minor Project	2 years	Rs. 2,50,000/-	**Completed**

5.10 Consultancy Projects: NIL

6. Awards / Honors received:

a) Reviewer in peer review process for the "International Conference on Artificial Intelligence & Cognitive Computing(AICC-2018) , Third International conference on Data Science and Bigdata Analytics(IDBA-ACMWIR-2023), 4th International Conference on Data Science and Applications (ICDSA 2023)

b) "Top Performer" and "Award of Excellence" sponsored by SAP India Pvt. Ltd. For a 4-Week FDP on "Use of ICT in Education for Online and Blended Learning" conducted by IIT Bombay from 2nd May 2016 to 10th July 2016

c) "Top Performing Mentor" for NPTEL online certification Course on "Programming, Data Structures and Algorithms Using Python" july-Dec 2017

d) Elite certificate for NPTEL Online Certification on " Programming, Data Structures and Algorithms using Python" Jul-Sep 2017

e) Elite certificate for NPTEL Online Certification on " Object Oriented Analysis and Design" Jul-Sep 2017

f) Graded "Excellent" in a Two-Day Saptahaant Shikshak Prashikshan on "Introduction to Machine Learning" conducted by IIT Kharagpur on 16th -17th December 2017 was held under NMICT(MHRD)

g) **FIVE Patents Filed and Published**

h) Session Chair for the conference track titled "Network Security" in "International Conference on Artificial Intelligence & Cognitive Computing(AICC-2018) held during 02-03 Feb'18 by MLRIT, Session Chair for ICMACC-2022 for the track " Signal,Image and Multimedia Processing"

7. Motto : Learning ,Sharing Experience, Working, and Growing Together.