

Name : Dr. S.NAGINI
Designation: Professor & HOD
Department: Computer Science & Engineering
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Experience (in years): Teaching:24yrs Research:5yrs 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: Learning by Doing, MOOCS, NPTEL, WIT WIL, POGIL
- 2.3. Involvement in curriculum updating / Design: Member of Department BOS, Member of DAC(Department 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: 10 members from each year of B.Tech(CSBS)
- 3.5. Committees involved in:
 - Départment level: DAC, BOS, NBA(UG & PG), TEQIP Coordinator
 - Institute Level: Member of Turing Hut, SPOC CSBS

4. Conference / Workshop / Seminar / Guest Lectures:

- 4.1. Conducted:
 - TEQIP sponsored 3 day workshop on RSA,RSI short term course for teaching and non-teaching faculty'2012

- TEQIP sponsored one day workshop on Refreshing course for non-teaching Faculty,
- TEQIP sponsored two day workshop on Big Data Analytics and Cloud Computing
- TEQIP sponsored two day workshop on InDaS-2014
- **Workshop on Block Chain Technologies(1 Week Programme)**
- **App Development using Flutter(3-day Programme)**
- **Competitive Programming(3-day Programme)**
- **Two Week Training sessions on Advance Data Structures**
- **One Week FDP on Linux Fundamentals and Data Structures**
- **5 day Coding Contest**

4.2. Attended:

- Two day workshop on "A recent survey on the usage of data mining techniques for agricultural dataset analysis",
- Two day workshop on " big data analytics sessions"
- Three day workshop on " big data and cloud computing"
- Four week FDP on " use of ict in education and blended learning" under NMEICT, organized by IIT, Bombay
- One week FDP on " sensor networks and internet of things"
- 2nd international conference on contemporary computing and informatics (amity university) on " agriculture yield prediction using predictive analytic techniques"
- Two day Data Analytics workshop "IACC-2017"
- 12 Week course on Blockchain Architecture Design and Usecases by NPTEL
- Participated and certified in Faculty development Programme "Machine Learning for Computer Vision " conducted by NIT, Patna.
- 2-Week course on AI for everyone offered by Coursera
- 1-Week FDP on Deep Learning by Bennett University
- 4-Week course on Python for Everyone by Edx
- 1-Week FDP on Datascience with R offered by E&ICT NIT Patna

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 Chapter: SCP Design of Situated Cognitive

Processing Model to Assist Learning-Centric Approach for Higher Education in Smart Classrooms”,
 Book Title: Advances in Intelligent Systems and Computing Springer, Singapore

5.3. Books published as single author or as editor: NIL

5.4. Projects Guided:

a) UG: 40 Nos.

b) PG: 8 Nos.

5.5. Research Interests: Data Mining

5.6. Ph.D students:

a) Enrolled: nil

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
1	Naive Bayes Approach For Performing Sentiment Analysis On Twitter Streaming Data, Volume Xii, Issue Viii, August/2020 Page No.2296	The International Journal Of Analytical And Experimental Modal Analysis	Issn No:0886-9367	6.3
2	Sustainable and Portable Low Cost IOT Based Terrace Model to Grow True Organic Greens, Volume-8 Issue-6,pp:3223-3228, August 2019	International Journal of Engineering and Advanced Technology (IJEAT)	2194-5357	SCOPOUS
3	SCP:Design of Situated Cognitive Processing Model to assist learning Centric Approach for higher Education in	International Symposium on Computational Intelligence	2194-5357	SCOPOUS

	Smart Classrooms, AISC, volume 1171, pp 653-661, 02-11-2019			
4	Prediction Model for Pneumonia Disease by Machine Learning Algorithms, Volume IX, Issue VII, July/2020	International Journal of Research	ISSN NO:2236-6124	SCOPUS
5	“The Feasibility Study on Land Suitability Using GIS Tool”	Journal of Environmental Cultural Economic & Social Sustainability “2009, vol 5, issue 6,	ISSN: 1832-2077 (Print)	
6	A Complete Survey on Application of Data Mining Techniques on Medical Image Databases,	International Journal of Applied Engineering Research, November, 15	ISSN: 2278-1021.	
7.	Effective Analysis of land surface water resources of Andhra Pradesh with rough set based hybrid data mining techniques using R	IJCSE	2278-9960/2278-9979	
8	Data Mining Approach to BigData	IJCST, August , 2015	2347-8578 & ISO 3297:2007	
9	Enhancement of SVM Based MRI Brain image classification using preprocessing techniques”.	Indian Journal of Science and Technology, August , 2016	ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645, 2321 919X	
10	Agriculture Yield Analysis using SOM classifier algorithm along with enhanced preprocessing techniques	Indian Journal of Science and Technology	August , 2016, ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645, 2321 919X.	
11	LTE Advancement of 3G Technology	IJCA	November, 2016, 0975 – 8887	

12	CloudShield: Reputation-Based Trust Management Framework delivering TaaS	AIJARTET	Vol. 4, Issue 3, March 2017	
13	EFFECTIVE ANALYSIS OF BRAIN TUMOR USING HYBRID DATA MINING TECHNIQUES	International Journal of Advanced Research in Computer Science, July- August 2017	ISSN No: 0976-5697	
14	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	
15	Profit Maximization Approach by a Novel Renting Methodology in Cloud Services	IJERAD	Volume 04, Issue 01, Jan 2018 Volume 04, Issue 01, Jan 2018	
16	Indian Ocean Forecast Dissemination System along Ship Routes , Nov 2013	ICACCT	reference number 071311 34	
17	A Review on DNA Computing	SKET		

18	Machine Learning Approach to Track Malnutrition in Children with Rural Background	ICACECS-2020		

5.8. Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	A Recent Survey on the usage of data mining techniques for agricultural dataset analysis	ICRSKT-2014	International	Nov 10th & 11th 2014
2	A Complete Survey On Application Of Data Mining Techniques On Medical Image Databases”	IJAER	International	
3	NTL Detection of Electricity Theft-An analysis carried out using Statistical and Data Mining Technique	ICSIT-2015	International	28 th and 29 th Aug-2015
4	Agriculture Yield Prediction Using Predictive Analytic Techniques	IC3I’2016	International	14 th to 17 th Dec 2016
5	Explorative Data Analytics of brain tumor data using R	ICCTCEEC	International	Sep’2017
6	A Novel Data Mining Approach for Brain	IEEE IC3I	International	Dec’2016

	Tumor Detection			
7	A Model for NTL Detection of Electricity Theft	IEEPS – 18	International	March' 2018
8	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),	International	August' 2018
9	Machine Learning Approach to Track Malnutrition in Children with Rural Background	ICACECS-2020	International	August' 2020

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

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards / Honors received:

- a) Reviewer in peer review process for the “International Conference on Artificial Intelligence & Cognitive Computing(AICC-2018) held during 02-03 Feb’18 by MLRIT

- 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) **Three Patents Filed**
- 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

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