i) General Information

a) Name   **:** Dr. R.VIDYABANU

b) Address (Residential)   : 170, SRINIVASA RAGAVAN STREET
                                              R.S PURAM, COIMBATORE – 641002

c) Designation   : ASSISTANT PROFESSOR

d) Department   : COMPUTER APPLICATIONS

e) Date of Birth   : 17.10.1977

f) Area of Specialization   : DATA MINING, MACHINE LEARNING

A) Academic Qualifications

Examination Passed	Board / university	Subject	Year	Division grade/merit etc.,
High School	Matriculation Board , Tamil Nadu	English,Tamil, Maths, Science, History and	1993	80% First class with Distinction
Higher Secondary	Board of Higher Secondary Education, Tamilnadu	Tamil,English, Physics, Chemistry, Biology, Maths	1995	89% First class with Distinction
Bachelor's Degree	Avinashilingam University, Coimbatore	B.Sc Computer Science / Computer Applications	1998	CGPA 9.03 First class with Distinction
Master's Degree	Bharathidasan Univesity	MCA	2001	78% First class
Research Degree(s)	Bharathiar University	M.Phil	2005	Commended
	Anna University, Chennai	Ph,D	2013	Commended

ii) Research Experience & Training

Research stage	Title of thesis	University where the work was carried out.
M.Phil	Hybrid Artificial Neural Network for Colour Bake level Assessment	Bharathiar University
Ph.D	Dimension Transformation Techniques for Privacy preserving Clustering	Anna University
No of Publications	**Please Refer Appendix A**	
Research guidance(give the names of students guided successfully)	Guiding 4 candidates	
Training(please specify)	**IBM certified** Rational Application developer. **IBM certified** Websphere Application studio developer	

B) Research Projects carried out

S. No.	Title of the Project	Name of the Funding Agency	Duration	Remarks
	-			

C) Seminars, Conferences, Symposia Workshops etc. attended

Name of the Seminars / Conferences / Symposia / Workshops etc	Name of the Sponsoring Agency	Place and Date
Please Refer Appendix B		

iii) Teaching Experience

Courses Taught	Name of University/ College/Institution	Duration	
		Period of employment From - To	Years of Experience

UG – BSc Computer Technology PG – MSc Computer Technology/ MSc Software Engineering / MCA	Sri Krishna College of Engineering and Technology, Coimbatore.	06.06.2001 – 15.05.2015	13 years and 11 months
UG – BSc Computer Science PG – MSc Computer Science	LRG Government Arts College for Women, Tirupur	17-08-2015 - 08.02.2023(FN)	7 years and 5 months
PG – MCA	Government Arts College (Autonomous), Coimbatore	08.02.2023(FN)- Till date	

Total Teaching Experience (in years and months)   :

a)	Under-graduate	21 years 5 months
b)	Post-graduate	22 years
c)	Research	5 years

viii) Innovations/ Contributions in Teaching

a) Design of Curriculum :	Designed syllabus for B.Sc(CT), MSc(SE) and M.C.A., Courses
b) Teaching methods :	Lecturing, group discussions, seminars. Teaching through A/V aids, Industrial visits and training , Flipped classroom
c) Laboratory experiments :	Demonstration method Experiments based on problems solving ability in accordance with the syllabus .
d) Evaluation methods :	Tests, seminars,quiz, problem solving experiments, Paper presentation, Projects, viva voce
e) Preparation of resource material including books, reading materials, laboratory manuals etc.:	Prepared lab manuals , Study materials, PPT s based on syllabus.
f) Remedial Teaching / Student Counseling (academic) :	Special coaching classes, Student and parental counselling

g) Any other :	Co-operative learning and Blended learning Techniques Used. Produced 100% results in various subjects consistently since June 2001.

IX) Research Contribution

a). PhD/M.Phil undergoing scholars

Sl. No	Name of the PhD/ M.Phil(PT/FT) Scholar	Name of the University	Broad Field	Registration Number	Year of registration
1	GAYATHRI. K	BHARATHIAR UNIVERSITY	ADVANCED NETWORKING	31474/B2/2018 Folio No : B2/190/2018	2018
2	KOMALAVALLI. R	BHARATHIAR UNIVERSITY	DATA MINING	31474/B2/2018 Folio No : B2/191/2018	2018
3	SUNDARAVALLI. N	BHARATHIAR UNIVERSITY	DATA MINING	31474/B2/2018 Folio No : B2/197/2018	2018
4	RAMAJAYAM. G	BHARATHIAR UNIVERSITY	DATA MINING	31474/B2/2018 Folio No : B2/183/2018	2018

b). PhD/M.Phil Awarded

Sl.No	Name of the PhD/M.Phil (PT/FT) scholar	Name of the University	Title of the thesis	Year of registration of the scholar	Year of award of PhD
		-			

X) Extension Work/ Community Service

A) Please give a short account of your contribution to:

i) Community work such as values of : Creating awareness about the basic National integration, secularism, values, Interpersonal skills among students

ii)National Literacy Mission : Creating awareness about the importance and value of literacy.

B) Positions held / leadership role played in organizations linked with Extension Work National Service Scheme (NSS), or NCC or any other similar activity   ----

C. Participation in Corporate Life

Please give a short account your contribution to:

a) College/ University / Institution	Assisting the Principal, HOD in all the College level and Departmental activities, Maintaining Discipline in the campus, Motivating the Students.
b) Co-curricular Activities	Conducting all the technical events and the cultural activities
c) Enrichment of Campus Life (Hostels, sports, games, cultural activities)	Encouraging the students in culturals and sports and green campus activities
d) Students Welfare and Discipline	Periodical counselling to the students.
e) Membership / Participation in Bodies	ICT Co-ordinator, Cyber club committee member
f) Professional Organization of Teachers	--

D.(a) Membership of Professional Bodies, Societies, Editorship of Journals etc.   ----

E. Any other information

List of Workshop/ Seminars / Conference / FDP organized:

- Organized a DRDO sponsored (Rs 20,000) Two day national level workshop on "Computational Optimization and Modeling' during21,22 Jan 2010 at Sri Krishna College of Engineering and Technology, Coimbatore.

- Organized a DRDO sponsored(Rs 20,000) Two day national level workshop on "Research Trends in Information Security" during 10,11 Feb 2012 at Sri Krishna College of Engineering and Technology, Coimbatore.

- Organized a TCS sponsored (Rs 30,000) Two day national level conference on "Recent Advances in Computing " during March 8, 9 2013 at Sri Krishna College of Engineering and Technology, Coimbatore.

- Organized a One day national level workshop on "Android Application programming' during 22 Feb 2014 at Sri Krishna College of Engineering and Technology, Coimbatore.

- Organized a One day national level workshop on "Scripting Frameworks for Web Development' during 23 Aug 2014 and acted as resource person at Sri Krishna College of Engineering and Technology, Coimbatore.

Dr R.VIDYABANU

APPENDIX A

PUBLICATIONS DETAILS

S.No	Title of paper	Name of the journal	Volume	Issue Number	Month and Year of publication	Page number	ISSN / ISBN number
1	Enhancing Privacy of Confidential Data using K Anonymization	International Journal of Recent Trends in Engineering	2	1	2009	130-133	
2	A Model Based Framework for Privacy Preserving Clustering Using SOM	International Journal of Computer Applications	1	13	2010	17-21	
3	Perturbation based technique for privacy preserving clustering of high dimensional data	International journal of data mining and knowledge discovery	4	-	2012	4	ISSN 0974-9578
4	Evaluation of a perturbation-based technique for privacy preservation in a multi-party clustering scenario	Information Sciences, Elsevier **Impact factor 8.1**	232		2013	437-448	
5	Low Dimensional Data Privacy Preservation using Multi Layer Artificial Neural Network	International Journal of Intelligent Information Technologies **H-Index -18**	8	3	2012	17-31 :.	ISBN 978-1-4666-6639- Chapter 11 pages. 229-246
6	Novel Privacy Preservation technique using Soft Enigma	Proceedia, Computer Science ,Science Direct,Elsevier	47		2015	486-490	https://doi.org/10.1016/j.procs.2015.03.233

S.No	Title of paper	Name of the journal	Volume	Issue Number	Month and Year of publication	Page number	ISSN / ISBN number
7	Hybrid Privacy Preservation Technique Using Neural Networks	Book chapter published in Censorship, Surveillance, and Privacy: Concepts, Methodologies, Tools, and Applications- -IGI GLOBAL	Chapter 25		2019	454-472	DOI: 10.4018/978-1-5225-7113-1.ch025
8	Sensing And Detecting Intruder Detection In Wireless Sensor Network	Wide Spectrum Research Journal	Volume-7	Issue-9	APRIL, 2019	32-43	2250-2815
9	An Analysis On Various Attacks In Manet And Machine Learning classification Algorithms	International Journal of Research culture Society (IJRCS)	Volume - 3	Issue-10	OCTOBER, 2019	192-198	2456-6683
10	Performance Evaluation Of Feature Selection Method For Machine Learning Algorithms To Detect Wormhole Attack In Manets	Journal of Shanghai Jiaotong University (JSJU) (scopus Indexed)	Volume - 16	Issue-7	JULY, 2020	1181-1200	1007-1172
11	Mining And Preprocessing Twitter Data For Detecting Potential Effects Of Remdesivir	Journal of Shanghai Jiaotong University (JSJU) (scopus Indexed)	Volume 16,	Issue 8	August 2020	167-182	1007-1172

S.No	Title of paper	Name of the journal	Volume	Issue Number	Month and Year of publication	Page number	ISSN / ISBN number
12	New Trends In Opinion Mining And Sentiment Analysis	International Journal Of Advance & Innovative Research	Volume 6,	Issue 1	March 2019	34-39	2394-7780
13	Efficient Denoising For Covid – 19 Images Using Wavelet Transforms	Journal of Shanghai Jiaotong University (JSJU) (scopus Indexed)	Volume 18,	Issue 1	July 2022	11	1007-1172
14	A Study And Analysing Of Image Mining Techniques And Its -Applications	International Journal Of Advance & Innovative Research	Volume 6,	Issue 1	March 2019	154-157	2394-7780
15	Resilience Hidden Markov Model Based Support Vector Machine For Cross - Domain Sentiment Classification In Big Data	Journal of Theoretical and Applied Information Technology	Vol.100.	No 5	**March 2022**	1853 – 1863	1992-8645

Seminars, Conferences, Symposia Workshops etc. attended

S.No	Name of the Event	Title of the Paper/Topic of Seminar	Organizing Institution	Date
1	National Conference on Mathematical and Computational Models	Hybrid Artificial Neural Networks for colour Bake level Assessment	PSG College of Technology	December 15-16, 2005
2	National Conference on Database management systems and Networks	Grading of Bread based on colour Bake level Assessment using SOM	Erode Sengunthar Engineering College	September 8-9, 2005
3	International Conference on Managing Next Generation Software Applications,	An Exploratory Framework for Preservation of Privacy and Confidentiality in Data Mining	Karunya University	December 05-06 ,2008
4	International Conference on Sensors, Security and Intelligent Systems	Protecting the Input and Output Privacy of Sensitive Data	Coimbatore Institute of Technology	January 8-10, 2009
5	IEEE International Conference on Advances in Recent technologies in Communication and Computing	Preservation of Data Privacy using PCA based Transformation	ARTCOM, ACEEE and IEEE (IEEE Explore :DOI 10.1109/ ARTcom. 2009.159.) Kottayam, Kerala	October 28-30, 2009
6	International conference on Embedded Systems	Contactless Smart Cards – Security Threats, Privacy Issues `and Quantum Cryptography	Coimbatore Institute of Technology	July 14-16, 2010
7	IEEE International conference on Recent Trends in Information Technology	Implemetation of Financial system using EyeOS in the Cloud Environment	Madras Institute of Technology, Anna University, Chennai	June 3-5, 2011

8	International conference on Graph Algorithms, High performance Implementations and Applications	Novel Privacy Preservation technique using Soft Enigma	Coimbatore Institute of Technology	December 17-19, 2012
9	National Conference on Recent Advances in Computing	Perturbation based technique for privacy preserving clustering of high dimensional data	Sri Krishna College of Engineering and Technology	2012
10	International Conference (ICATN '19)	Sensing And Detecting Intruder Detection In Wireless Sensor Network	Dr.G.R.D COLLEGE OF SCIENCE,CBE	08-Feb-2019
11	ICCAIT-2019	New Trends In Opinion Mining And Sentiment Analysis	Hindusthan College of Arts and Science, Cbe.	24-Jan- 2019
12	International Conference ICCAIT	A Study And Analysing Of Image Mining Techniques And Its Applications	Hindusthan College of Arts and Science, Cbe.	2019 January
13	Two day International Virtual conference on Machine Learning and Artifical Intelligence in Digital Era	Machine Learning Based Cross Domain Opinion Mining: Challenges And Solutions	Sankara College of Science and Commerce	30.5.2020
14	FDP	Bigdata Analytics	PSG College of Arts and Science	9-10 september 2016
15	Webinar	Women's well being and Timeless Cocerns	PSG College of Arts and Science	20-23 May 2020
16	International Webinar	Recent Trends in IT	JJ college, Pudhukottai	24.05.2022
17	International Webinar	Recent Trends in Data Science	St Hindu College, Nagerkoil	28.05.2020
18	International Workshop	Big data Analytics	SSN Chennai & IIIT,UNA(HP)	28-30 Mya 2020

19	FDP	Machine Learning for Computer Vision	Electronics and ICT Academies[IIT Guvahathi, IIT Roorke, NIT Patna] and supported by MeitY- Govt of India	29.06.2020-08.07.2020
20	FDP	Data Science for All	Electronics and ICT Academies[IITDM Jabalpur, NIT Warangal] and supported by MeitY- Govt of India	27.07.2020-08.08.2020
21	International FDP	AI and ML	Asis Connect Project, PPDM, IIIT	10-23 March 2023