



Dr. (Mrs.) B. Janet

Brief Profile

Dr. Janet serves NIT, Trichy as Assistant Professor in the Department of Computer Applications.

She graduated B.Sc. (Physics) with Distinction from Holy Cross College, Trichy affiliated to the Bharathidasan University, Tiruchirappalli, obtained a Master of Computer Applications from Bishop Heber College, with a third rank from Bharathidasan University, Tiruchirappalli. She cleared the National Eligibility Test for Lectureship by UGC in 2001.

She started her research in Information Retrieval with a first class in Master of Philosophy in Computer Science from Alagappa University, Karaikudi, and a Ph. D. degree by the National Institute of Technology, Tiruchirappalli.

Dr. Janet has set up the first of its kind Information Processing and Security Laboratory at NITT, with Industry involvement. She has also set up a honey pot node as part of national cyber coordination center project funded by Meity and implemented by CDAC Mohali for cyber threat intelligence generation. She is the coordinator of the IoT Lab of the Siemens Center of excellence in Manufacturing. She is a champion of Open Source Technology.

She has published more than 50 research papers in International Journals and Conferences of repute in the field of Information Processing and Security. She has been a professional facilitator of students. Her teaching experience includes experiments on activity based learning, Learner centric teaching and flipped classrooms.

She visited Malaysia to present one of her research papers in a conference. She is also a reviewer for International Conferences and Journals. She is presently the Life member of Computer Society of India, International Association of Engineers, ISTE, ISC and International Association of Computer Science and Information Technology. She is also an active ACM member and a Senior member of IEEE.

Profile of Dr. (Mrs.) B. Janet, National Institute of Technology, Tiruchirappalli

Name: B. Janet

Designation: Assistant Professor

Office Address: LYCEUM 108,
Department of Computer Applications,
NIT, Trichy – 620015

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Field of Specialization: Information Processing and Security

Employment Profile

Job Title	Employer	From	To
Assistant Professor (PB3 - 8000)	National Institute of Technology, Trichy.	12.03.2018	Till date
Assistant Professor (PB3 - 7000)	National Institute of Technology, Trichy.	21.04.2011	11.03.2018
Assistant Professor (PB3 - 6000)	National Institute of Technology, Trichy.	21.04.2006	20.04.2011
Lecturer (UGC-FIP Leave Vacancy)	Bishop Heber College, Trichy.	11.02.2005	20.04.2006
Lecturer (Self-Financing Section)	Bishop Heber College, Trichy	24.07.2002	10.02.2005

Academic Qualifications

Examination	Board / University	Year	Division/ Grade	Subject
Ph. D.	National Institute of Technology, Trichy	2007 - 2012	First class with Distinction	Information Retrieval
M. Phil.	Alagappa University, Karaikudi	2003 -2005	I Class	Computer Science
MCA	Bishop Heber College, Trichy (Bharathidasan University)	1999 -2002	III Rank	Computer Applications
B. Sc.	Holy Cross College, Trichy (Bharathidasan University)	1996 -1999	First class with Distinction	Physics
Higher Secondary	Holy Cross Girls Higher Secondary School, Trichy	1996	86.75	Biology & Maths
High School	Holy Cross Girls Higher Secondary School, Trichy	1994	93.6	SSLC

Awards

Sl. No.	Name of Award	Awarding Agency	Year
1.	Young Faculty Research Fellowship	MEITY	June 2015
2.	Third Rank in MCA	Bharathidasan University	2002
3.	National Eligibility Test for Lectureship (NET)	UGC	December 2001
4.	National Scholarship Scheme Merit Certificate	MHRD	April 1994

Patents

Sl. No.	Invention	Name of Inventors	Year	Status
1.	A multi-directional display device to enable active user screen time and method thereof	B. Janet	2021	Patent Pending

Consultancy

Sl. No	Name of Organization	Year	Amount (Rs.)
1.	BHEL	2013	10,891/-
2.	IDRBT on Mobile Security	2017-2022	20,00,000/-
3.	CDAC Trivandrum on Emergence response Support System for women safety	2019-2021	20,00,000/-

R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Indexing Multimedia Data	DIETY (Visveswaraya Ph.D. Scheme for electronics and IT)	2015	2020	Completed
National Cyber Coordination Center Project for Cyber Threat Intelligence Generation	Meity	2018	2020	Completed

Ph. D's Completed

Name of the PhD Scholar	Type	Title of Thesis	Date of Viva voce
T. Ravi Chandran	Part Time	Data clustering and classification using social spider optimization	06.02.2020
K. Nirmal	External	Anti-Phishing methodology to enhance online security	29.12.2020
J. Sheela	Part Time	Text Summarization using Fuzzy Rule and Deep Learning	10.02.2021
N. Karthika	Full Time (Diety)	Multi-variate data indexing for retrieval, clustering and classification	01.06.2021

Ph. D's Ongoing (Full Time)

Name of the PhD Scholar	Type	Area of Research	Role	Year of Joining
D. Santhadevi	Full Time	Information Security	Supervisor	2016
Srinadh Swamy Majeti	Full Time (IDRBT)	Mobile Security	Supervisor	2017
Purshotaman Rao	Full Time	Machine Learning	Supervisor	2019
Anisha Mitra	Full Time	Education Technology	Supervisor	2020

Ph. D's Ongoing (Part Time)

Name of the PhD Scholar	Type	Area of Research	Role	Year of Joining
Muraleedharan. N	Part Time	Network Security	Supervisor	2015
K. Nimmi	Part Time	Mobile Security	Supervisor	2018
Sanjeev Kumar	External	Cyber Security	Supervisor	2019

Academic/Administrative Responsibilities within the Institute

Position	Committee	From	To
Faculty Advisor	Delta	2019	Till date
Coordinator	IoT Lab, Siemens center of Excellence IoT Lab	20.01.2020	Till date
Stock Verification Officer	Central Stores and Purchase	December 2019	February 2019
Social Media Manager	PR and Media Cell	December 2020	Till date
Design Head	PR and Media Cell	August 2018	November 2020
Initiating Faculty, 360 Virtual Tour of NITT	PR and Media Cell	August 2018	July 2019
Vigilance Officer	Anti-ragging Vigilance Committee	July 2019	August 2019
Member	Convocation Press and Media Committee	June 2019	July 2019
Member, Content Management Committee	CSAB	May 2019	August 2019
Member, Public Relations Committee	Pragyan	2019	
Member, Public Relations Committee	NITTFEST	2019	
Member, Seating and Logistics Committee	Convocation	2018	
Member, Presentation Committee	Institute Day	March 2019	
Member, Report on Achievements Committee Member	Institute Day	March 2018	April 2018
Safety and Security Committee Department Representative	NITT	October 2017	
Convocation seating and Logistics Committee – Department Representative	NITT	28.06.2017	12.08.2017
Member	NITT Community Radio Station	2016	2018
Member	Hospital Committee	2012	2015
Stock Verification Officer	Stock Verification Officer for Hostels	2009	2012

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Stock Verification Officer	Stock Verification Officer for Mechanical Department	2012	2013
Member	MIS Committee	2012	2014
Faculty Advisor	Open Source Club	2012	till date
Faculty Advisor	Adventure, Pragyam	2012	till date
Faculty Advisor	NITTFEST	2012	2014
Member	M. Tech. Syllabus Committee	2012	till date
Member	NBA Document Committee	2009, 2017	
Member	Ph. D Admission Committee	2006	2014
Member	NIMCET Admission Committee	2006	till date
Member	M. Sc. (OR & CA) Admission Committee	2006	till date
Member	Board of Studies for MCA and M.Sc. (OR & CA)	2006	till date
In-charge	Department Library	2006	2007
Chairman	Performance Analysis Committee	2013, 2015, 2017 – 2019, 2020	

Details of Academic and Institute Works

Software Development

- Electrical complaint registration software developed for Estate maintenance department. (<http://emc.nitt.edu/login.php>)
- Software for data entry and analysis of transportation engineering problem survey for Civil Department.

Curriculum Development

- Subjects handled with available feedback scores
 - Computer Organisation and Architecture 9.15
 - Organisational Behaviour 9.2
 - CASE Tools Lab 8.7
- Updated the syllabus each year to include the latest research and Technology.
- Used Simulators and Power point presentations and Demonstrations of concepts by using open source software and videos, Mini Projects and exercises for course reinforcement.
- Moodle e-learning System used for course teaching, learning and evaluation.
- Used Flipped classroom methodology.
<https://moodle.nitt.edu/moodle38/course/view.php?id=50>

Laboratory Development

- Established an Internet of Things Lab in Computer Applications Department
- Established an Information Processing and Security Lab in Computer Applications Department.
- Developed lab exercise for Information security lab and CASE Tools lab introduced for the first time. Used IBM great mind challenge problems for case tools lab and Google Code Lab exercise for Information security.
- Used Open source simulators for learning about information security in the Lab.

Courses taught at Postgraduate and Undergraduate levels

Undergraduate:

- Python Programming

Postgraduate:

- Computer Organisation and Architecture
- Information Security
- Deep Learning
- Internet of Things

Laboratory:

- FOSS Lab
- Information Security Lab

Select Project Titles guided at Postgraduate level

Project Title	Name	Year
Joseph Mathew & Byju N B	Arduino based audio transmission using LiFi	2019
Krishna Kumar	Online opinion voting system	2019
Shubham Vishwakarma	Sales Prediction	2019
Kapil Jaiswal	Identity Blockchain	2019
Ashok Patidar	Convert word file to HTML	2019
Tonmoy Golder	Mood Swinger	2019
Ankit Gupta	Restaurant Rating Prediction	2019
Aman	L-Earn	2019
Tanmay Yadav	Movies Recommendation	2019
Shaikha Khan	Chatbot using Deep Learning	2019

Outreach in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools

Date (s)	Title of Activity	Level of Event	Role	Event Organized by	Venue
5 th to 9 th October 2020	Virtual Global Summit on Artificial Intelligence: Responsible AI for Social Empowerment	National	Participant	MIET and Digital India, NITI Ayog, RAISE 2020	Virtual
27 th January 2020	UGC Sponsored Seminar on Cyber Feast	Local	Session Speaker	SRC College, Trichy	SRC College, Trichy
14 th December 2019	9th IEEE International Advance Computing Conference IACC 2019	International	Session chair	MAM College of Engineering Sirugunur	Ramyas, Trichy
11 th July 2018	Inauguration of First years Program	Local	Chief Guest address	Holy Cross College	Holy Cross College
27 th February 2018	CHITS, State level Technical Symposium	State	Chief Guest address	Department of Computer Science	Bishop Heber College, Trichy
24 th and 25 th	Two day National Conference on	National	Session Speaker	Srimad Andavan Arts and	Srimad Andavan Arts and

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January 2018	Transforming Technology			Science College	Science College
6 th to 9 th November 2017	AICET Sponsored FDP on IOT	National	Session Speaker	MAM College of Engineering Sirugunur	MAM College of Engineering, Sirugunur
25 th and 26 th September 2017	Multimedia Information Retrieval Issues and tools	National	Session Speaker	MAM College of Engineering, Sirugunur	MAM College of Engineering, Sirugunur
31.08.2017 and 01.09 2017	MCA and MSc Orientation Program	Local	Speaker	NIT, Trichy	NIT, Trichy
27 th to 29 th July 2015	MCA and MSc Orientation Program	Local	Speaker	NIT, Trichy	NIT, Trichy
05.08.2016	Orientation course of I year B. Tech	Local	Speaker	NIT, Trichy	NIT, Trichy
13 th to 15 th June 2014	International Mechanical Engineering Congress	International	Organizing committee member	NIT, Trichy	NIT, Trichy
30 and 31, August, 2014	Version, (Two day National MCA Symposium) paper presentation	National	Judge	Department of CA	NIT, Trichy
17 and 18, March 2013	Infotreck, UI Design, Annual ACM Student chapter	Local	Judge	Department of CA	NIT, Trichy
8 th March, 2013	Women's day celebrations of Sadhana	Local	Chief Guest address	Bishop Heber College	BHC
9 th and 10 th of May 2013	Two day workshop on Perspectives on Curriculum	Local	Participant	NITT	NITT
05.08.2013	Programming principles	Local	Lecture	NIT Trichy	NIT Trichy
13 th and 14 th December 2012	Paper Presentation Session of INCOSET 2012	Local	Session Chair	JJCET, Trichy	JJCET, Trichy
6 th and 7 th December 2012	FACT 2012	National	Technical committee member	Department of Mathematics and CA	NITT
10 th and 11 th	Two day ISTE workshop on Akash	National	Participant	IIT Bombay	NITT

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November, 2012	for education conducted by IIT, Bombay				
13.03.2010	Paper Presentation event Infotreck Annual ACM Student chapter	Local	Judge	Department of CA	NIT, Trichy
25 and 26, February, 2010	National conference on Advanced pattern mining and Multimedia Computing	National	Organizing committee Member	Department of CA	NIT, Trichy
26.03.10 to 27.03.10	BAIP 2010	International	Session Chair	Trivandrum	Trivandrum
28 and 29, August 2010	Version (Two day National MCA Symposium) paper presentation	Local	Judge	Department of CA	NIT, Trichy
14 and 15 March, 2008	2 day workshop on Data Analytics and Data Mining	National	Participant	Department of Maths and Department of CA	NIT, Trichy
6 and 7 October, 2008	3 day Training Programme on Thesis Preparation using LaTeX Software	Local	Participant	Department of CSE	NIT, Trichy
7, 8 and 9 November, 2008	3 day workshop on Digital Image and Video Processing	National	Participant	Department of Maths and Department of CA	NIT, Trichy
8,9,10 August 2008	3 day workshop on Algorithms	National	Participant	Department of Maths and Department of CA	NIT, Trichy
14 August, 2008	Workshop on Mobile and Pervasive Computing	National	Participant	Department of CA	NIT, Trichy
13th to 17th March, 2007	Short term course under QIP for Engineering College Teachers on Recent trends in Processor Architecture	Local	Participant	Department of CSE	NIT Trichy

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22 nd December 2006	Seminar on Research Directions in Information Technology and Applications	National	Participant	Department of Managemen t Studies	NIT Trichy
9 to 11 March, 2006	TANSICHE and UGC Sponsored 3 day Workshop on Curriculum development and Evaluation	Regional	Participant	Academic Staff College, Bharathidas an University	BHC, Trichy
27.06.2003 to 29.06.2003	Workshop on Christian Studies Sponsored by AIACHE	Local	Participant	BHC, Trichy	BHC, Trichy

Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized

Title of Activity	Level of Event	Dates	Role	Venue
TechnoFania	Local	24 th and 25 th , April 2021	Faculty Advisor	NIT, Trichy
Effective Online Teaching Learning Strategies Batch - 1	National	26 th to 31 st May 2020	Coordinator	Online
Effective Online Teaching Learning Strategies Batch - 2	National	22 nd to 27 th June 2020	Coordinator	Online
Effective Online Teaching Learning Strategies Batch - 3	National	03 rd to 8 th August 2020	Coordinator	Online
OPTIMA	National	19 th and 20 th October 2019	Faculty Advisor	NIT, Trichy
Cyber Security	National	1 st to 5 th July 2019	Coordinator	NIT, Trichy
TechnoFania	National	23 rd and 24 th March 2019	Faculty Advisor	NIT, Trichy
Recent Trends in Computer Applications	National Conference	26 th ,27 th April 2019	Secretary	NIT Trichy
Internet of Things	National	3 rd to 7 th December 2018	Coordinator	NIT Trichy
OPTIMA	National	27 th , 28 th October 2018	Faculty Advisor	NIT, Trichy
TechnoFania	National	11 th March 2018	Faculty Advisor	NIT, Trichy
OPTIMA	National	13 th October 2017	Faculty Advisor	NIT, Trichy

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OSOC	Local	29 th and 30 th September 2017	Faculty Advisor	NIT, Trichy
Master your Moodle	Local	15 th and 16 th March 2017	Coordinator	NIT, Trichy
Internet Protocol standards with CDAC	Regional	29.07.2016	Coordinator	NIT, Trichy
Application of ICT Tools for Pedagogy development to technical education Teachers	National	4 th to 8 th April 2016	Coordinator	NIT, Trichy
Leadership Training	Local	11.03.2016	Coordinator	NIT, Trichy
Visual Sensor Networks	National	November 2015	Coordinator	NIT, Trichy
Tools and Techniques for Information Processing Research	Local	11 th and 12 th September 2015	Coordinator	NIT, Trichy
IBM Cloud workshop	Local	9.11.2013	Coordinator	NIT, Trichy
OSOC Workshop	Local	19.04.2013	Faculty Advisor	NIT, Trichy
OSOC Workshop	Local	17.10.2013	Faculty Advisor	NIT, Trichy
OSOC Workshop	Local	19.10.2013	Faculty Advisor	NIT, Trichy
OSOC Workshop	Local	22.10.2013	Faculty Advisor	NIT, Trichy

Invited Talks Delivered

Topic	Date	Inviting Organization
Bio Plausible Neural Networks	28.12.2021	(ATAL) Faculty Development Program on Advances in fuzzy logic and neural networks in artificial Intelligence, NIT Trichy
Applications of Artificial Intelligence in Mechanical Engineering	16.11.2020	AICTE sponsored online short term training program on “Smart Materials, Automation and its Future Impact on Humans” Sree Buddha College of Engineering, Pattoor
Applications of Big Data Analytics	18.11.2020	AICTE sponsored six day online Short Term Training Program (STTP3) on Big Data Analytics, Saranathan Engineering College, Trichy
Cyber security tools	August 2020	AICTE sponsored online short term training program on Cyber security tools, NIT Trichy

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Introduction to Deep Learning	8 th to 12 th June 2020	Rajeswari College of Engineering Bangalore
Python Programming	29.08.2019	MAM College of Engineering, Sirugunur
Chief Guest Address	27 th February 2018	Bishop Heber College
Disruptive Technologies	24 th January 2018	Srimad Andavan Arts and Science College
IoT and Security	8 th November 2017	MAM College of Engineering, Sirugunur
Multimedia Information Retrieval Issues and tools	25 th September 2017	MAM College of Engineering, Sirugunur
Indexing Textual Data	25.05.2009 to 6.06.2009	FDP on “Data Warehousing and Data Mining conducted by the Department of Computer Applications, NIT, Trichy -15
Motivation for Fresher’s	July 9, 2010	Bishop Heber College
C Programming	22.08.13	Orientation Programme of Bridge Course, NIT, Trichy
Motivation to Fresher’s	7.8.2016	NIT, Trichy
Academic Ethics	07.08.2014 (every year)	NIT, Trichy
Lectures on Programming Languages	7.12.12 and 11.12.12	Finishing school students in the UKIERI Projects on Preparing Graduates for Business Life, in NIT, Trichy

Membership of Learned Societies

Sl. No.	Type of Membership	Organization	Membership No.
1.	Life Member	ISC	L24000
2.	Senior Member	IEEE	91092990
3.	Professional Member	ACM	7800754
4.	Life Member	CSI	01153035
5.	Life Member	ISTE	LM95869
6.	Life Member	IAENG	109374
7.	Life Member	IACSIT	80337721
8.	Member	IBM Academic Initiative	
9.	Member	Open Source Initiative	

Academic Foreign Visits

Country	Duration of Visit	Programme
Malaysia	05.12.2010 to 07.12.2010	Paper presentation for Conference

Scopus Author ID: 35786218500

Web of Science ResearcherID: Q-6316-2019

ORCID ID: 0000-0001-7030-9634

Journal Publications

Sl. No	Authors	Title of Paper	Journal	Vol. (No.)	Page no.	Year	DOI / ISSN
26	Srinadh Swamy Majeti, B. Janet, Narendra P Dhavale	Attribute Based Usability Metric Framework for Mobile Applications	International Journal of Future Generation Communication and Networking	14 (1)	1298–1306	2021	http://sersc.org/journals/index.php/IJFGCN/article/view/36198/19994
25	Abdul Jamsheed V, Janet B	Deep Fake video detection using Recurrent Neural Networks	International Journal of Scientific Research in Computer Science and Engineering	9 (2)	22-26	2021	https://www.isroset.org/pdf_paper_view.php?paper_id=2342&4-ISROSET-IJSCSE-05540.pdf
24	Muraleedharan, N., Janet, B.	Flow-based machine learning approach for slow HTTP distributed denial of service attack classification	International Journal of Computational Science and Engineering	24 (2)	147–161	2021	https://doi.org/10.1504/IJCSE.2021.115101
23	Srinadh S. Majeti, B. Janet, Narendra P Dhavale	Security Capability Maturity Model for Mobile Applications	International Journal of Modern Agriculture	9 (4)	815-843	2020	https://www.modern-journals.com/index.php/ijma/article/view/443

22	Santhadevi D, Janet B	IoT Malware Detection Using Machine Learning Ensemble Algorithms	International Journal of Advance Science and Technology,	29 (10)	8006-8016	2020	http://sersc.org/journals/index.php/IJAST/article/view/24250/12691
21	Sheela J, Janet B	An abstractive summary generation system for customer reviews and news articles using deep learning	Journal of Ambient Intelligence and humanized computing			2020	https://doi.org/10.1007/s12652-020-02412-1
20	Karthika, N., Janet, B.	Deep convolutional network for urbansound classification	Sadhana - Academy Proceedings in Engineering Sciences,	45 (1)	210	2020	https://doi.org/10.1007/s12046-020-01442-x
19	Ranjan, J.A.K., Sigamani, T., B., Janet.	A novel and efficient classifier using spiking neural network	Journal of Supercomputing	76 (9)	6545–6560	2020	https://doi.org/10.1007/s11227-019-02881-y
18	Muraleedharan, N., Janet, B.	A Deep learning based HTTP slow DoS classification approach using flow data	ICT Express			2020	https://doi.org/10.1016/j.ict.2020.08.005
17	Karthika, N., Janet, B.	Feature pair index graph for clustering	Journal of Intelligent Systems	29 (1)	1179–1187	2020	10.1515/jisys-2018-0338 Authors:
16	Nirmal, K., Janet, B., Kumar, R.	Analyzing and eliminating phishing threats in IoT, network and other Web applications using iterative intersection	Peer-to-Peer Networking and Applications			2020	https://doi.org/10.1007/s12083-020-00944-z
15	Muraleedharan N, B Janet	SCAFFY- A Slow Denial of Service attack classification model using Flow Data	International Journal of Information Security and Privacy (IJISP)	15 (3)	7	2020	ISSN: 1930-1650

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14	Nirmal K, Janet B, Kumar R	Enhancing online security using selective DOM approach to counter phishing attacks.	Concurrency Computat Pract Exper		e5525	2019	https://doi.org/10.1002/cpe.5525
13	T. Ravi Chandran, A. V. Reddy, and B. Janet	A novel variant of social spider optimization using enhanced mating and single cluster representation for data clustering	Peerj Computer Science	5	e201	2019	https://doi.org/10.7717/peerj-cs.201
12	Sheela J , Janet B	Context-sensitive sentimental based text summarization and classification based on the occurrence of trigger term in a sentence	International Journal of Engineering and Advanced Technology	8 (5)	1622–1626	2019	ISSN 22498958
11	T. Ravi Chandra, A. V. Reddy, and B. Janet	A Novel Data Classifier using Social Spider Optimization	International Journal of Innovative Technology and Exploring Engineering	8 (8)	1756–1773	2019	https://www.ijitee.org/wp-content/uploads/papers/v8i8/H6600068819.pdf
10	Karthika, N., Janet, B., Shukla, H.	A novel deep neural network model for image classification	International Journal of Engineering and Advanced Technology	8 (6)	3241–3249	2019	https://www.ijeat.org/wp-content/uploads/papers/v8i6/F8832088619.pdf
9	N. Karthika and B. Janet	Feature Pair index graph for clustering	Journal of Intelligent Systems	29 (1)	1179–1187	2019	10.1515/jisys-2018-0338
8	T. Ravi Chandran, A. V. Reddy, and B. Janet	A Novel Bio-inspired algorithm based on Social spiders for improving performance and efficiency of data clustering	Journal of Intelligent Systems	29 (1)	311–326	2017	https://doi.org/10.1515/jisys-2017-0178
7	T. Ravi Chandra,	Text Clustering quality	International Journal of	12 (6)	995-1008	2017	https://www.rpublication.c

	A. V. Reddy, and B. Janet	improvement using a hybrid Social Spider Optimization	Applied Engineering Research				om/ijaer17/ijaerv12n6_31.pdf
6	Janet B. and A.V. Reddy	Index Model for Image Retrieval using SIFT Distortion	Intelligent Information and Database Systems	6 (3)	289-306	2012	10.1504/IJIDS.2012.047006
5	Janet B., A.V. Reddy and S. Domnic	Locally Global Codebook for Image Retrieval and Clustering using Vector Quantization	ICTACT Journal on Image and Video Processing	2 (4)	397-404	2012	10.21917/ijivp.2012.0056
4	Janet B. and A.V. Reddy	Cube Index for Text and Image Information Retrieval and Mining	Advances in Computing	1 (1)	1-7	2011	DOI: 10.5923/j.ac.20110101.01
3	Janet B. and A.V. Reddy	A Study on the Effect of Codebook and Codevector Size on Image Retrieval Using Vector Quantization	Computer Science and Engineering	1 (1)	1-7	2011	DOI: 10.5923/j.computer.20110101.01
2	Janet B. and A.V. Reddy	Wordpair Index: A Nextword Index Structure for Phrase Retrieval	Special Issue of IJRTE	3 (2)	147-149	2010	URI: http://www.searchdl.org/index.php/journalclient/viewthispaper/6/6/15/131
1	Janet B. and A.V. Reddy	Cube Index: A Text Index Model for Retrieval and Mining	IJCA	9 (20)	192-330	2010	http://www.ijcaonline.org/archives/number9/

International Conference Proceedings

Sl. No.	Author(s)	Title of Paper	Title of the Proceedings	Page no.	Venue	Year
36.	A. Kalaiselvan, B. Janet, Rahul B., N. Sivakumaran,	Opinion mining based Crime Classification Model for Emergency Data	<i>3rd International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV 2021) (IEEE explore)</i>	1544-1547	Tirunelveli, India	2021
35.	Shantanu, B. Janet,	Malicious URL Detection: A Comparative Study	<i>International Conference on Artificial Intelligence and Smart Systems (IEEE explore)</i>	1147-1151	Coimbatore, India	2021
34.	Kalaiselva, Nimmi, Janet, Sivakumaran	Comparison of SPAM detection using machine learning and deep learning techniques	International Conference on Instrumentation and Control Engineering 2019	1-5	Trichy, India	2020
33.	Jitendra K., Balaji Rajendran, A. Santhanavijayan, Bindhumadhava BS	Phishing Website Classification and Detection Using Machine Learning	<i>2020 International Conference on Computer Communication and Informatics (ICCCI) (IEEE explore)</i>	1-6	Coimbatore, India	2020
32.	Yazhmozhi, V.M., Janet, B., Reddy, S.	Anti-phishing system using LSTM and CNN	<i>2020 IEEE International Conference for Innovation in Technology INOCON)(Best Paper Award) (IEEE explore)</i>	1-5	Bangalore, India	2020
31.	Abdul Jamsheed, V., Janet, B., Reddy, U.S.	Real time detection of driver distraction using CNN	<i>Proceedings of the 3rd International Conference on Smart Systems and Inventive Technology, ICSSIT 2020 (IEEE explore)</i>	185–191	Tirunelveli, India	2020

30.	Muraleedharan N, B Janet	An HTTP DDoS detection model using machine learning techniques for the cloud environment	<i>The Fourth International Conference on Computing and Network Communications (CoCoNet'20)</i>	685	India	2020
29.	Majeti, S.S., Habib, F., Janet, B., Dhavale, N.P.	Analysis of Inappropriate Usage of Cryptographic Primitives in Indian Mobile Financial Applications”	<i>AICTE Sponsored 3rd International Conference on Computational Intelligence & Data Engineering (ICCIDE - 2020) (Springer, SCOPUS Indexed)</i>	211-220	Hyderabad, India,	2020
28.	Rohit Kumar, Janet Barnabas Santhadevi,	Outcome Classification in Cricket Using Deep Learning	<i>EEE International Conference on Cloud Computing in Emerging Markets (CCEM) (IEEE explore)</i>	55-58	Bangalore, India	2019
27.	R. Monika, B. Janet	Sentiment Analysis of US Airlines Tweets using LSTM/RNN	<i>9th IEEE International Advance Computing Conference (IACC 2019) (IEEE explore)</i>	92-95	Trichy, India	2019
26.	Sanjeev Kumar, B. Janet	Multiplatform Honeypot for generation of cyber threat intelligence	<i>9th IEEE International Advance Computing Conference (IACC 2019) (IEEE explore)</i>	25-29	Trichy, India	2019
25.	Srinadh S. Majeti, Arjun Basu, N. P Dhavale and B. Janet,	Automated Extraction and Analysis of Usability attributes from PlayStore Reviews	<i>IndiaHCI 2019</i>		Hyderabad, India	2019
24.	Joshua Arul Kumar Ranjan, Titus Sigamani and Janet Barnabas	A Bio-plausible Network Model for Classification of images	<i>AISGSC 2019</i>		Coimbatore, India	2019
23.	Swathika, E Karthika, N Janet, B	Image Encryption and Decryption Using Chaotic System	<i>IEEE 9th International Conference on Advanced Computing</i>	30-37	Tiruchirappalli, INDIA	2019

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22.	Sanjeev Kumar, Mrs. B. Janet, and Mrs. R. Eswari	Automated Cyber Threat Intelligence Generation from Honeypot Data	<i>International Conference on Inventive Communication and Computational Technologies (Springer, SCOPUS Indexed)</i>	591-598	Namakkal, India	2019
21.	Nimmi K. , B. Janet	An analysis of the balance between security and utility of mobile applications	<i>IEEE International Conference on Circuits and Systems in Digital Enterprise Technology (IEEE explore)</i>	1-4	Kerala	2019
20.	Muraleedharan N., and B. Janet	A flow based anomaly detection system for slow DDoS attack on HTTP	<i>International Conference on Machine Learning, Image Processing, Network Security and Data Sciences (Springer)</i>	29-45	NIT Kurukhetra	2019
19.	Joshua Arul Kumar Ranjan, Titus Sigamani and Janet B	A Novel and Efficient Classifier using Spiking Neural Network	AICV'18	1-7	Chennai India	2018
18.	Santhadevi, B. Janet	Security Challenges in Computing System, Communication Technology and protocols in IoT system	<i>IEEE- International Conference on Circuits and Systems in Digital Enterprise Technology (IEEE explore)</i>	1-7	SAINT GITS, Kerala	2018
17.	Srinadh Swamy Majeti, B. Janet, N. P. Dhavale, Faheem Habib	Study and Ranking of Vulnerabilities in the Indian Mobile Banking Applications using Static Analysis and Bayes Classification	<i>International Conference on Computational Intelligence and Informatics (Springer)</i>	49-63	JNTU Hyderabad	2018
16.	N. Karthika B. Janet	Clustering Performance Analysis	<i>International Conference on Advanced Computing and Intelligent Engineering (Springer)</i>	25-39	Bhubaneswar, India	2018

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15.	T. Ravi chandran, A.V. Reddy, B.Janet,	An effective implementation of Social Spider Optimization for text document clustering using single cluster approach	<i>International Conference on Inventive Communication (IEEE explore)</i>	508-511	Chennai	2018
14.	K Nirmal B. Janet R. Kumar	It's more than stealing cookies – exploitability of XSS	<i>International Conference on Inventive Research in Computing Applications (IEEE Explore)</i>	490-493	Madurai, India	2018
13.	K Nirmal B. Janet R. Kumar	Web Application Vulnerabilities – The Hacker's Treasure	<i>International Conference on Inventive Research in Computing Applications (IEEE explore)</i>	58 - 62	Coimbatore, India	2018
12.	T. Ravi Chandran, A. V. Reddy, and B. Janet	An effective implementation of Social Spider Optimization for text document clustering using single cluster approach	<i>ICICCT 2018 (IEEE explore)</i>	508-511	Coimbatore, India.	2018
11.	T. Ravi Chandran, A. V. Reddy, and B. Janet	Performance comparison of social spider optimization for data clustering with other clustering methods	<i>Proceedings of the 2nd International Conference on Inventive computation technologies (IEEE explore)</i>	1119-1125	Coimbatore, India	2018
10.	N. Karthika, B. Janet	Word pair Index Structure for Information Retrieval using terrier 3.5	<i>International Conference on Computational Intelligence in Data Science (IEEE explore)</i>	1-6	Chennai, India	2017

9.	Muraleedharan N and B. Janet	Behaviour Analysis of HTTP based Slow Denial of Service Attack	<i>International Conference on Wireless Communications Signal Processing and Networking (IEEE explore)</i>	1851-1856	Kalavakkam, Tamil Nadu	2017
8.	T Ravi Chandran, AV Reddy, B Janet	A social spider optimization approach for clustering text documents	<i>International Conference on advances in Electrical, Electronics, Information, Communication and Bio-Informatics (IEEE explore)</i>	22-26	Chennai, India	2016
7.	K Nirmal, B Janet, R Kumar	Phishing-the threat that still exists	<i>Computing and Communications Technologies (ICCCT) (IEEE explore)</i>	139-143	Chennai, India	2015
6.	B. Janet, R. Roslin Mary	Proposal of a new Patient specific Open CAD Architecture for Thoracic Aortic Aneurysm (TAA)	<i>Emerging Research in Computing, Information, Communication and Applications (Elsevier)</i>	243-248	Bangalore, India	2014
5.	B. Janet, R. Roslin Mary	A Novel Computer Aided Diagnosis System For Thoracic Aortic Anurysm	<i>Eighth International Conference on Image and Signal Processing (Elsevier)</i>	331-336	Bangalore, India	2014
4.	Janet B., Reddy A.V	Cube Index for Unstructured Text Analysis and Mining	<i>Proceedings of ICCCS(IEEE Explore)</i>	397-402	Odisha, India	2011
3.	Janet B., Reddy A.V., Domnic S	Vector Quantization Based Index Cube Model for Image Retrieval	<i>Proc. of Fourth Pacific-Rim Symposium on Image and Video Technology (IEEE explore)</i>	27-32	Singapore,	2010
2.	Janet B., Reddy A.V.,	Image Index Model for Retrieval using Hadusdorff Distance	<i>Proceedings of Int. Conf. on Computer Applications and Industrial Electronics (ICCAIE) (ACM Digital library)</i>	85-89	Kuala Lumpur, Malaysia,	2010

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1.	Janet B., Reddy A.V., Domnic S	Incremental Codebook Generation for Vector Quantization in Large Scale Content Based Image Retrieval	<i>Proceedings of IEEE Int. Conf. CISR (IEEE explore)</i>	223- 226	Coimb atore, India	2010
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National Conference Proceedings

Sl. No.	Author(s)	Title of Paper	Title of the Proceedings	Page no.	Year	Venue
1.	Karthika.N Janet.B Preyas pohre	Cube index visualization using TensorBoard	Recent Trends in Computer Applications	114- 117	2019	NIT ,Trichy
2.	Sanjeev Kumar, Mrs. B. Janet, Mrs. R. Eswari and Amit Kumar	Honeypot for Embedded and IoT Devices	National Conference on Recent Trends in Computer Applications	52- 56	2019	NIT Trichy
3.	Hiran Nandy, B. Janet	A Comparative Analysis of Performances of Various Deep Learning Based Models on IMDB Dataset	Recent Trends in Computer Applications	1-4	2019	NIT ,Trichy
4.	Guru Prasad R.Jadhav, B. Janet	Credit Card Fraud Detection Using Auto Encoder with Random Forest	Recent Trends in Computer Applications	40- 43	2019	NIT ,Trichy
5.	K Mutureka, U. Srinivasulu Reddy, B. Janet	Multiclass Classification for Question-Answering Forum using RNN	Recent Trends in Computer Applications	87- 90	2019	NIT ,Trichy
6.	Upendra Cheedella, B. Janet	Classification of Toxic Comments using Neural Networks - GRU's	Recent Trends in Computer Applications	91- 94	2019	NIT ,Trichy
7.	R. Swamy Sriharsha, B. Janet	Demand Prediction of Taxi Pickups in New York	Recent Trends in	95- 97	2019	NIT ,Trichy

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			Computer Applications			
8.	Phani Raj R., B. Janet, U. Srinivasulu Reddy	Developing a Predictive Keyboard using Recurrent Neural Networks	Recent Trends in Computer Applications	98-101	2019	NIT ,Trichy
9.	Anirban Pathak, B. Janet	Music Generation Using LSTM	Recent Trends in Computer Applications	102-105	2019	NIT ,Trichy
10.	Sharfuddin Waseem Mohammed, B. Janet, M. Brindha	A Hybrid Neural Network Model for Intruder Detection using GRU and Modified Kernel of SVM	Recent Trends in Computer Applications	106-109	2019	NIT ,Trichy
11.	Pratik Pawade, B. Janet	Product Recommendation Engine	Recent Trends in Computer Applications	110-113	2019	NIT ,Trichy
12.	Nimmi K, B Janet	Communication-enabled sanitary napkins for paralyzed and autism	Recent Trends in Computer Applications	85-86	2019	NIT ,Trichy

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Sl. No.	Author(s)	Title of Book/ Chapter	Name of Publisher	Year of Publication
10.	Joshua Arul Kumar R, Titus S, Janet B	Enterprise Digital Transformation: Technology, Tools, and Use Cases	Elsevier	2021
9.	Majeti, S.S., Janet, B., Dhavale, N.P.	Analysis of Inappropriate Usage of Cryptographic Primitives in Indian Mobile Financial Applications	Springer Nature	2021
8.	Barnabas, J., Raj, P.	The human body: A digital twin of the cyber physical systems	CRC Press	2020
7.	Sanjeev, K., Janet, B., Eswari, R.	Automated cyber threat intelligence generation from honeypot data	Springer	2020
6.	N. Karthika, B. Janet	Clustering Performance Analysis	Springer Nature	2020

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5.	Muraleedharan N, B Janet	A flow based anomaly detection system for Slow DDoS attack on HTTP	CRC Press, Taylor & Francis	2020
4.	B. Janet and Pethuru Raj	Smart City Applications: The Smart Leverage of the Internet of Things (IoT) Paradigm	IGI Global	2019
3.	Nimmi K, Janet B, Akshi Kumar, Varun G Menon	Handbook of Research on Emerging Trends and Applications of Machine Learning	IGI Global	2019
2.	N. Karthika, B. Janet	Performance Analysis of Information Retrieval Models on Word Pair Index Structure.	Springer, Singapore	2018
1.	Janet B., Reddy A.V., Domnic S.	An Image Index Model for Retrieval	Springer-Verlag Berlin Heidelberg	2010

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