

## FACULTY PROFILE



**1. Name and Designation :** Dr.C.Deisy, Professor

**2. Department :** Information Technology

**3. Date of Birth :** 07.06.1973

**4. Unique id :** 1-481532493

**5. Education Qualification:**

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	B.E.	EEE	1994	Thiagarajar College of Engineering	Anna University, Chennai	68.35	First Class
PG	M.E.	CSE	2000	MEPCO Schlenk Engineering College	Anna University, Chennai	72	First Class
Ph.D		CSE	2010	Anna University, Chennai	Anna University, Chennai		

**6. Work Experience :**

**Teaching :**

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Thiagarajar College of Engineering		12		
Thiagarajar College of Engineering			4	
Thiagarajar College of Engineering				1.3

**Research :**

**Industry :**

**7.Area of Specialization :** Data Analytics

**8.Courses Taught at:**

UG Level : Data Mining techniques, Database Management System, Knowledge Management System, Information Retrieval, Big Data Analytics.

PG Level : Information Retrieval, Data Sciences and Analytics.

**9.Research/Project Guidance :**

**Master :**

S.No	Name of the Dissertations	Academic year	Student Name
1	Text Generation	2019	Venkatesh
2	Summarization Using Lexrank	2018	Priyanka
3	Image Segmentation	2018	Sindhuja
4	Data Analytics	2017	Lavanya

**Ph.D :**

Name of the Scholar	Course	Area of Research	Status
Diana Moses	Ph.D	Medical Data Mining	Completed
K.Arul Deepa	Ph.D	Resolving Pronominal References For Tamil Documents	Completed
D.Anitha	Ph.D	Data mining & E-learning	Completed
K.Murugeswari	Ph.D	Data Mining	Completed
A.M.Rajeswari	Ph.D	Data Mining	Ongoing
B. Subbulakshmi	Ph.D	Data Mining	Ongoing
M.Pradeepa	Ph.D	Web Mining	Ongoing

S.Illankumaran	Ph.D	Data Mining	Ongoing
S.Nagarajan	Ph.D	Data Mining	Ongoing
Merceline Fransis	Ph.D	Deep Learning	Ongoing
Pon Abisheka	Ph.D	Text Mining	Ongoing
P. Sharmila	Ph.D	Web Mining	Ongoing

#### 10. Projects Carried out :

Title	Sponsoring Agency	Amount	Responsibility
Mobile Based Cardio Vascular Disease Diagnosis System For Rural India	AICTE	Rs.5,64,000/-	Principal Investigator

#### 11. Patents : Obtained :                      Applied :

#### 12 : Technology Transfer :

Topic	Delivered At	Period
Text Analytics using R	AICTE-QIP Sponsored Two Weeks STTP on Deep Learning with Applications in Language, Vision & Control organized by TCE	05-12-2017 to 05-12-2017
Text Mining Using R Tool	Teqip Sponsored Faculty Development Programme, College Of Engg, Adoor, Kerala	22-03-2017 to 22-03-2017
Demonstration on Moodle Content Management Systems	TEQIP Sponsored One day FDP on Content Management Systems, organised by CSE Department, TCE	29-08-2016 to 29-08-2016
TEXT Analytics for Business Intelligence	TEQIP Sponsored six days Faculty Development Programme on Data Analytics for Business Intelligence	11-08-2016 to 13-08-2016
Internet of Things and Its Applications	TEQIP Sponsored Workshop on "Advances in Mobile And Web applications, AC Tech, Karaikudi	23-02-2016 to 23-02-2016
Demonstration on data mining weka tool	Faculty development programme at KLNCE, Madurai	01-10-2015 to 01-10-2015
Key note speech on Big Data	Sethu Institute of Technology, International	09-04-2015 to 09-

Topic	Delivered At	Period
	Conference	04-2015
Motivating the Young students on Chrysalis Event	Vikasa Matriculation School,Madurai	30-01-2015 to 30-01-2015
Demonstration on data mining Classification Tools	UGC Sponsored programme, Meenakshi College ,Madurai	20-01-2015 to 20-01-2015
Finding Near duplicates in Text Retrival	Kamaraj College of Engineering	06-09-2014 to 06-09-2014
Memory Hierarchy	Anna University sponsored seven days FDTP on Computer Architecture Thiagarajar College of Engineering,Madurai08-07-2014 to 15-07-2014	08-07-2014 to 15-07-2014
Text Compression and finding near duplicates	PSG Tech-Coimbatore	28-04-2014 to 28-04-2014
Women Empowerment	Mother Teresa University-Kodaikanal	21.3.2011
Classification Clustering Techniques	KLN College of Engineering-Madurai	
Faculty development Programme on Recent Trends in Data Mining	Thiagarajar College of Engineering	
Interactive Algorithms for Feature Selection	Cresant Engineering College -Chennai	18/9/10
Currency Recognition System By Svm	Fdp On Multi Media Data Types And Formats,Dept.Of Cse,Thiagarajar College Of Engineering	20/11/2007
Ant Colony Optimization	Short Term Course On Application Of Evolutionary Computation To Engineering Optimization Problems, Dept.Of Eee, Tce	30 th MAY 2007
Operating Systems	Rvs College Of Engineering,Dindigul	Dec .2 ,2006
Cryptography and Network Security.	Thiagarajar College of Engineering, Madurai	Cryptography and Network Security.

Topic	Delivered At	Period
Application of Six Sigma Process	Thiagarajar College of Engineering, Madurai	
Data Mining Decision Tree Algorithm	Faculty Development Programme - Kongu Engineering College	November 2005
Emac Os and its applications	Thiagarajar College of Engineering, Madurai	
Data Mining For Classification	Quality Improvement Programme In Computer Science,Fatima College ,Madurai	18/1/2005
Communication Skill Development	Thiagarajar College of Engineering, Madurai	
Data Mining Algorithms	Faculty Development Programme - Kongu Engineering College	November 2004

### 13. Research Publications :

#### National Journals :

#### International Journals :

1. Rajeswari, A.M. and Deisy, C, 'Prediction of risk factors for pre-diabetes using a frequent pattern-based outlier detection', International Journal of Biomedical Engineering and Technology, in press., S.No: 4858, ISSN: 1752-6426 (Annexure I- Sl. No. 4858).
2. A.M.Rajeswari and C.Deisy," Frequent Pattern Based Optimal Fuzzy Logic System for Slow Learners Classification" accepted for Publication in International Journal of Intelligent and Fuzzy Systems
3. C. Deisy and Illankumaran , Multi-biometric authentication system using finger vein and iris in cloud computing,, Published 2018 in Cluster Computing, DOI:10.1007/s10586-018-1824-9 ISSN : 1386-7857
4. M.Pradeepa, Dr.C.Deisy," Enhancing Purchase Decision using Multi-word Target Bootstrapping with Part-of-Speech Pattern Recognition Algorithm" Accepted for publication in International Journal of Business Intelligence and Data Mining, ISSN - 1743-8187

5. B Subbulakshmi, C.Deisy, 'An improved incremental algorithm for mining weighted class-association rules', Accepted for publication in International Journal of Business Intelligence and Data Mining, ISSN - 1743-8187
6. K.Murugeswari and C.Deisy , "An optimized approach to detect the identity of hidden information in gray-scale and color images ",International Journal of Business Intelligence and Data Mining, Accepted for Publication ISSN:17438187
7. M.Diana and C.Deisy,"Android Based Real Time Cardiovascular Disease Diagnosis using Novel Feature Selection", International Conference on Recent Trends in Engineering,Science and Technology, Science Direct -Energy Procedia,- (2016) 568 - 578 .
8. An adaptive algorithm for frequent pattern mining over data streams using diffset strategy, B.Subbulakshmi and C.Deisy, Accepted in Int. J. Business Information Systems RG Journal Impact: 1.43
9. Anaphora Resolution In Tamil Through Decision Tree Learning - Challenges And Tackles " K.Arul Deepa and C.Deisy, International Journal of Advanced Engineering Technology , Vol. VII/Issue I/Jan.-March,2016/533-538
10. K Murugeswari and C.Deisy , "A novel approach to data hiding scheme",International Journal of Advanced Engineering Technology 2016,Vol. VII/Issue II /454-456 E-ISSN 0976-3945
11. K.Arul Deepa and C.DEISY,"Statistical Pair Pruning towards Target Class in Learning Based Anaphora Resolution for Tamil ",International Journal of Advanced Intelligence Paradigms, 2015, Accepted Inderscience Publishers.
12. A.M.Rajeswari, C.Deisy,S. NithyaShalini,Discovery of Temporal Association Rules Using Train and Test Approach ,International Journal of Decision Making in Supply Chain and Logistics - 2011,Pg:97-109, Vol 2, No:2
13. Anitha, D., and C. Deisy. "A novel approach for selection of Learning Objects for personalised delivery of elearning Content." Computer Science & Information Technology: (Feb 2013) 413-420
14. Diana, M., Deisy. C., m-CADE -A mobile-based Cardiovascular Abnormality Detection Engine using Efficient Multi-Domain Feature Combination, Intelligent Data Analysis, IOS Press, Article in Press
15. Diana, M., Deisy. C., Lossless Compression for Transmitting ECG in SMS with High Quality for Mobile Telecardiology Systems, International Journal of AdHoc and Ubiquitous Computing, Inderscience, Article in Press.
16. M.Diana and C.Deisy, "A Survey of Data Mining Algorithms Used In Cardiovascular Disease Diagnosis from Multi-Lead ECG Data" Pre press Kuwait Journal of Science,2015,ISSN 2307-4116 .
17. D.Anitha and C.Deisy,A novel approach for classification and sequencing of Learning Objects in E-Learning System based on Learning style", prepress, International Journal of

18. B.Subbulakshmi and C.Deisy, "Mining Frequent Patterns with Screening of Null Transactions Using Different Models", International Journal of Innovative Research in Science, Engineering and Technology Volume 3, Special Issue 3, March 2014
19. K.Murugeswari and C.Deisy , "Enhanced Version of StegGen: An Optimized Steganographic Tool based on GA", International Journal of Computer Application, NCACSA(4):9-12, 2012.
20. Analyzing Distillation Process of Hidden Terms in Web Documents for IR" C. Deisy and M. Pradeepa , Science Direct –Procedia Engineering ,2012, Vol. 38, Pages 3215–3221
21. C.Deisy, D. Anitha, Proposing a Knowledge Management Solution for E-learning, International Journal of Management in Education, Volume 4, No. 3, 2010 , pp. 316-332
22. S.Baskar, C.Deisy, N.Ramaraj, Kalaiarasi, A Novel Term Weighting Scheme Midf For Text Categorization, Journal -Journal of Engineering Science and Technology, Vol. 5, 94 to 107,2010.
23. S Baskar, C.Deisy, N.Ramaraj, J.Saravanan Koori, P.Jeevanandham, N.Ramaraj, J.Saravanan Koori, P.Jeevanandham A Novel Information Theoretic-Interact Algorithm (It-In) For Feature Selection Using Three Machine Learning Algorithms Journal-Science Direct-Expert Systems with Applications Vol.37, Issue 12, pp7589-7597, 2010.
24. C.Deisy, D. Anitha, Deriving A Prototype For The Dynamic Generation Of Learning Path In An E-Learning Environment Using Genetic Algorithm, International Journal of Innovation and Learning,

#### **Conferences :**

1. S. Ilankumaran<sup>1</sup> , Dr. C. Deisy " Multi Biometric Security Pattern Using finger vein and finger print", International Journal of Scientific Research in Science and Technology - 22 & 23.04.2017
2. A.M.Rajeswari, M.Sumaiya Sidhika, M.Kalaivani and C.Deisy, "Prediction of Prediabetes using Fuzzy Logic based Association Classification", International Conference on Inventive Communication and Computational Technologies - ICICCT, 2018, pp. 780-785.
3. Mrs.B.Subbulakshmi, T.vijayalakshmi, Dr.C.Deisy, " Top Rank-K Frequent Itemset Mining using Diffnodeset:, in Research Conference on Data & Decision Science, Mar 2018
4. S. Parasuraman, I. Elamvazhuthi, D. Deisy.C and S.Padmavathy , "Effects of Aging on Human Gait Stability", 2017 IEEE International Conference on Computational Intelligence and Computing Research (IEEEICIC17)
5. S. Parasuraman, I. Elamvazhuthi, D. Deisy.C and S.Padmavathy , " Image Analysis of Spine and Related Mechanical Investigations" 2017 IEEE International Conference on Computational Intelligence and Computing Research (IEEEICIC17)

6. S. Parasuraman, I. Elamvazhuthi, D. Deisy.C and S.Padmavathy ,”Vision Guided Soccer Robot”, 2017 IEEE International Conference on Computational Intelligence and Computing Research (IEEEICIC17)
7. M.Pradeepa, Dr.C.Deisy ,”Aspect Based Opinion Extraction for Increasing Customer Purchase Decision”, TEQIP-II Sponsored International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017)
8. C.Deisy and K.Lavanya, Twitter sentiment analysis using multi-class SVM, IEEE sponsored, International Conference on Intelligent Computing and Control (I2C2), 2017, DOI: 10.1109/I2C2.2017.8321798
9. Mrs.B.Subbulakshmi,Dr.C.Deisy,B.Dharani," Recent Weighted Maximal Frequent Itemsets Mining", in IEEE International Conference on I-SMAC, 10-11 Feb 2017
10. Mrs.B.Subbulakshmi,C.Deisy, B.Dharani, M.Monisha, "An efficient algorithm for associative classification using interestingness measures" in Fourth International Conference on Business Analytics and Intelligence, 19-21,December, 2016
11. C.Deisy et.al,”A Novel Relation Based Probability Algorithm for Page Ranking in Semantic Web Search Engine’, Springer , Communication in Computer and Information Science, vol.141,3,138 to 148,2011.
12. A.M.Rajeswari, M.Sridevi and C.Deisy, "Outliers Detection on Educational Data using Fuzzy Association Rule Mining", International Conference on Advances in Computing, Communication and Information Science - 2014
13. B.Subbulakshmi,A.Periya Nayaki,and C.Deisy, ”Frequent Item set Mining with Elimination of Null Transactions Over Data Streams” Artificial Intelligence and Evolutionary Algorithms in Engineering Systems,Volume2 ,Springer 353-360.
14. Diana M, Deisy C, “A Novel Lossless ECG Compression Technique for Transmission in GSM Networks”, Advances in Intelligent Systems and Computing, Springer, Vol 259, 2014, pp 947-958
15. K.Arul Deepa and C.Deisy,"A Rule Based Converter of Formal Tamil to Colloquial Tamil (FT2CT) – An Application of Turing Machine",12 th international Tamil Internet Conference , Kuala Lumpur, Malaysia, august 15-18, 2013.
16. A Novel Approach for Selection of Learning Objects for Adaptive Delivery of Learning Content in E-Learning Systems using Rule Based Classification, AIRCCE
17. D.Anitha and C.Deisy,”A Novel Approach for Selection of Learning Objects for Personalized Delivery of E-Learning Content “,Third International Conference on Computer Science & Information Technology (CCSIT 2013), Feb 18~20, Bangalore, India
18. A.M.Rajeswari, C.Deisy, V.Abirami Nachammai, G.V.Aishwarya, Temporal Outlier Detection on Quantitative Data using Unexpectedness Measure, 12th International Conference on Intelligent System Design and Applications-2012, IEEE Proceedings Pg:420-424



19. Temporal Outlier Detection on Quantitative Data using Unexpectedness Measure”, A.M.Rajeswari, C.Deisy, V.Abirami Nachammai, and G.V.Aishwarya, 12th International Conference on Intelligent System Design and Applications-2012, IEEE Proceedings Pg:420-424
20. C.Deisy, K.Arul Deepa, A Self Appreciating Approach of Document Classification Based on Concept Mining, IEEE conference ICCCI’12, SIET, Coimbatore, 10 Jan 2012,
21. C.Deisy, M.Pradeepa, Using Unexpected Mining Process To Detect Drugs Side Effects, International Conference (IISM’11) RVS Coimbatore, July 2011.,
22. C.Deisy, SPAM MAIL CATEGORIZATION WITH DIFFERENT TERM WEIGHTING AND FEATURE SELECTION USING SVM, IEEE International Advance Computing Conference, 2009,
23. C.Deisy, Feature Selection And Parameters Optimization For Support Vector Machines Using An Evolutionary Approach, National Conference On Research Prospects In Knowledge Mining(NCKM) Organized by Annamalai University, 2008
24. C.Deisy, Paper Currency Recognition Using Support Vector Machines , National Conference On Research Prospects In Knowledge Mining(NCKM)Organized by Annamalai University , 2008
25. S.Baskar, C.Deisy, An Efficient Feature Selection Method For Classification, RCCST University Malaysia Sabah, Kota Kinabalu, Malaysia, International conference, 2007
26. C.Deisy, Cluster Identification In Subspaces Using Entropy Method And Decision Tree, National Conference at GCE Tirunelveli , 2006
27. C.Deisy, Ant Colony Optimization For Intrusion Detection Using Data Mining , National Conference On Recent Trends In Networking And Distributed Computing - PABCET ,Trichy, 2005
28. C.Deisy, An Efficient Method For Intrusion Detection Using Intelligent Data Mining , National Conference On "Intelligent Computing In Communication, 2005
29. C.Deisy, A Generic Approach For Paper Currency Recognition Based On Binary Decision Tree, International Conference On Resource Utilization And Intelligent Systems , Kongu Engineering College ,Erode , 2005
30. C.Deisy, Data Mining In Customer Relationship Management For E-Business, AICTE Sponsored National Conference On Uml Based Environment For Interactive Application, Organized By Dept. Of It , Organized By Thiagarajar College Of Engg. Madurai, 2004
31. K.Murugeswari, ”StegGen: An Optimized Steganographic Tool Based on GA”, Proceedings of the International Conference in Computer Applications (ICCA) published in the journal IJCA, Volume 3, 2012, pages : 23-25
32. Dr. C.Deisy, Mrs. B.Subbulakshmi, and Dr. S. Baskar, Efficient Dimensionality Reduction Approaches for Feature Selection, IEEE Conference Indian International Conference On Computational Intelligence And Multimedia Applications , 2007, Dec 2007

33. Dr. C.Deisy, , Dr.S. Baskar, Mrs. B.Subbulakshmi, A Novel Multi Thread Based Feature Selection For Dimensionality Reduction, DBLP ISBN 978-0-9727412-2-4,Proceedings of the 3rd Indian International Conference on Artificial Intelligence, Pune, India(IICIA),1108 to1123,Dec 2007
34. Dr. C.Deisy,Mrs. B.Subbulakshmi, Mrs. Parvathy, Correlation Based Consistency Measure Algorithm For Feature Reduction,IEEE International Advance Computing Conference,2009,March 2009

#### **14. No of Books Published with details :**

1. Dr. C. Deisy, and Mercelin Francis,” Implementation of Data mining algorithm with R”, IGI Book Sentiment Analysis and Knowledge Discovery in Contemporary Business, Chapter 7, ISBN10: 1522549994 DOI: 10.4018/978-1-5225-4999-4
2. C Deisy, and Mercelin Francis , Image Segmentation for Feature Extraction: A Study on Disease Diagnosis in Agricultural Plants232-257, IGI Global Book Feature Dimension Reduction for Content-Based Image Identification, chapter13, DOI: 10.4018/978-1-5225-5775-3.
3. Mrs. B.Subbulakshmi, Ms. A. Periyanyaki, Dr. C.Deisy, Frequent Itemset Mining with elimination of null transactions over data streams, Springer - Artificial Intelligence and Evolutionary Algorithms in Engineering Systems, Advances in Intelligent Systems and Computing Volume 2, 2015, pp 353-361.

## FACULTY PROFILE

**1. Name and Designation :** Dr.S.Padmavathi, Professor

**2. Department :** Information Technology

**3. Date of Birth :** 26.10.1976

**4. Unique id :** 1-487958585

**5. Education Qualification:**



Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	B.E.	EEE	1999	Thiagarajar College of Engineering	Anna University, Chennai	76.67	First Class with Distinction
PG	M.E.	CSE	2002	Arulmigu Kalasalingam College of Engineering, Krishnankoil	Anna University, Chennai	84.90	First Class with Distinction
Ph.D	Ph.D	ICE	2011	Anna University, Chennai	Anna University, Chennai		First Class with Distinction

**6. Work Experience :** 18 years 3 months

**Teaching :**

Name of the College	Years of Experience				
	As Lecturer	As Senior Lecturer	As Asst. Professor	As Associate Professor	As Professor
Government College of Engineering, Thirunelveli	1				
Arulmigu Kalasalingam College of Engineering, Srivilliputhur	1				
Thiagarajar College of Engineering	5	3	3	4	1.3

**Research :**

**Industry :** NIL

**Others :**

**7. Area of Specialization :** High Performance Computing, Fog and Cloud Computing, Algorithms, Artificial Intelligence

**8. Courses Taught at:**

**UG Level :** Design and Analysis of Algorithms, Grid Computing, Artificial Intelligence, Parallel Computing, Service Oriented Architecture, Free Open Source Software, Data Structures and Algorithms, Computer Architecture, Digital Systems, Theory of Formal Languages, Green Data Center, Cloud Computing

**PG Level :** Cloud Security, Parallel Computer Systems, Computer Architecture, Data Structures and Algorithms

**9. Research/Project Guidance :**

**Master :**

Name of the scholar	Course	Area of Project	Status
S. Selvakumar	CSE	Matrix Multiplication on MPI Cluster of Workstations	Completed
G.Mercy	CSE	Health Monitoring Using X10 Protocol	Completed
M. Suguna	CSE	DAG Scheduling on Cluster of Workstations using Hybrid Particle Swarm Optimization	Completed
R.Shanmugapriya	CSE	Contention Awareness in Task Scheduling using Tabu search	Completed
R.Dolores Scholastica	CSE	Dynamic Critical Path Scheduling of Highly Communicative Task Graphs	Completed
D.Kavin Nithya	CSE	An Integrated Approach for Processor Allocation and Scheduling of Parallel Application with Space sharing Algorithm	Completed
T. Saranya	CSE	Scheduling of Sporadic Tasks using Limited Preemption Technique	Completed

M. Pradeepa Meenakshi	CSE	An Availability aware Scheduling of Dependent tasks in Cluster Computing Environment	Completed
Adline George	CSE	Multilevel Hybrid Graph Partitioning Algorithm	Completed
R.Sindhuja	CSE	Agent Based Cloud Service Composition using Genetic Algorithm	Completed
A.Ramya	CSE	Double Auction Mechanism for VM Provisioning in Cloud	Completed
Shruthi Shivakumar	CSE	Decision Support Framework Prediction Health Disorder using Bayesian Classifier	Completed
G. Jeya shree	CSE	An Adaptive ARP Approach for Fog-based RSU Utilization	Completed
Sindhiya, P	CSIS	Energy Aware Resource Management in Cloud Data Center	Completed
F. Mohamed Shakir	CSIS	An Intelligent Framework for Health Monitoring System	Completed

#### **Ph.D :**

Name of the scholar	Course	Area of Research	Status
E.Ramanujam	Ph.D	Data Mining	Ongoing
C.Santhiya	Ph.D	Cloud Computing	Ongoing
T.Manju	Ph.D	Virtual Reality	Ongoing
G.Jeyashree	Ph.D	Fog Computing	Ongoing
D.Malarvizhi	M.S(By Research)	Industrial IoT Automation system	Ongoing

**10. Projects Carried out :**

<b>Title</b>	<b>Sponsoring Agency</b>	<b>Responsibility</b>
An Agent Based Cloud Revenue Model for Women Empowerment in Rural areas	AICTE	Principal Investigator
Designing a Resource Aware Map Reduce Scheduler	Yahoo, Bangalore	Member
Design of Parallel Scheduling Algorithm for Cluster Computing Environment	Computer Society of India	Principal Investigator

**11. Patents : Obtained :                      Applied :****12 : Technology Transfer :**

<b>Topic</b>	<b>Delivered At</b>	<b>Period</b>
KerasR Package for Deep Learning Models	AICTE-QIP Sponsored One Week STC on “Deep Learning for Visual Computing”, TCE	28-01-2019 to 03-02-2019
Cloud IoT Architectures	TEQIP Sponsored Two days Workshop on "Festival of Learning IoT & Cloud", TCE	15-11-2018 to 16-11-2018
Intended Learning Outcome to enhance competencies among Engineering Graduates through Thinking Maps	AICTE-ISTE Sponsored One Week Training in Creative Learning and Innovative Teaching Methodologies, Department of CSE, K.L.N College of Engineering	24-04-2018 to 24-04-2018
Deep Learning using Keras	AICTE-QIP Sponsored Two Week Short Term Course on Deep Learning with Applications in Language, Vision and Control, Thiagarajar College of Engineering, Madurai-15	06-12-2017 to 06-12-2017
Guest Lecture on Shared Memory Programming with OpenMP	IIPC Sponsored Two Days Faculty Development Programme on Multi-core Architecture and Programming in Department of CSE, K.L.N.College of Engineering, Madurai	06-01-2017 to 06-01-2017
Content Generation in	TEQIP II Sponsored One Day Workshop on	29-08-2016 to 29-08-2016

Topic	Delivered At	Period
KerasR Package for Deep Learning Models	AICTE-QIP Sponsored One Week STC on “Deep Learning for Visual Computing”, TCE	28-01-2019 to 03-02-2019
Activity Based Learning - Flipped Classroom	Content Management Systems	
ComPipelining and its Hazards	Guest Lecture on Pipelining and its Hazards in Department of CSE, Kamaraj College of Engg., Virudhunagar	26-08-2016 to 26-08-2016
Virtualization, Cloud Computing & Cloud Sim - Hands on	TEQIP -II Sponsored Four Days Hands on Workshop, Department of Information Technology, Thiagarajar College of Engineering, Madurai	15-10-2015 to 15-10-2015
Pipelining and Data Hazards and Handled Tutorial session	Anna University sponsored seven days FDTP on Computer Architecture Thiagarajar College of Engineering, Madurai	08-07-2014 to 15-07-2014
Challenges in Cloud Computing	PSR Engineering College, Sivakasi	National Level Technical Projectmania, 15th March 2013
Guest Lecture on Energy Efficient Data Center	DRDO and ACCS Sponsored One Day Seminar on Energy Aware Computing	Feb 1st 2013
Guest Lecture on Security and Privacy in Cloud Storage	KLN College of Information Technology, Madurai	DRDO Sponsored Workshop on Security and Privacy in Cloud Computing, 11th August 2012
Keynote Address on Scheduling in C luster Computing	National Seminar on Emerging Trends in Distributed Computing, Kalasalingam University, Srivilliputhur	October 14th, 2011
Parallel Computing	Fatima College, Madurai	19-01-2005

### 13. Research Publications :

#### International Journals :

1. S.Padmavathi, Shruthi Sivakumar, "An E-health Decision Support framework to predict the heart disorders", International Journal of Business Information Systems,(In Press), 2018
2. E. Ramanujam, S. Padmavathi, "Multi-objective genetic motif discovery technique for time series classification". International Journal of Business Intelligence and Data Mining, 11(4), 318-337. **IF. 1.161**
3. E. Ramanujam, S. Padmavathi, "Genetic Time Series Discovery for Time Series Classification" International Journal of Biomedical Engineering and Technology, (InPress), 2017
4. T.Manju, Dr.S.Padmavathy and Dr.D.Tamilselvi, "'A Rehabilitation Therapy For Autism Spectrum Disorder Using Virtual Reality", International Conference on Intelligent Information Technologies - 2017, Springer - Communication in Computer and Information Science 808, pp. 328–336, 2018.[https://doi.org/10.1007/978-981-10-7635-0\\_26](https://doi.org/10.1007/978-981-10-7635-0_26)
5. "Autism Spectrum Disorder Treatment Through Virtual Environment: A Survey", Asian Journal of Convergence in Technology, Volume III, Issue III ISSN No.:2350-1146, **Impact Factor - 2.71**, April 2017.
6. S.Padmavathi, Arcckia Bazil raj Anthonisamy, Lancelot James Paul, " Performance analysis of free space optical communication in open-atmospheric turbulence conditions with beam wandering compensation control", IET Communications, Vol. 10, No:9, pp: 1096-1103, June 2016, **Impact Factor: 0.809**.
7. S.Padmavathi, A.Arockia Bazil Raj, " Quality Metrics and Reliability Analysis of Laser Communication Systems", Defense Science Journal, Vol.66, No:2, pp: 175-185, March 2016, **Impact Factor: 0.428**.
8. S.Padmavathi, A . Arockia Bazil Raj, "Statistical analysis of accurate prediction of local atmospheric optical attenuation with a new model according to weather together with beam wandering compensation system: a season-wise experimental investigation", Journal of Modern Optics, Vol.63, No: 13, Feb 2016. **Impact Factor: 1.267**.
9. S.Padmavathi, A.V.Monisha , K.Sindhuja, "Performance Analysis of Agent-based framework" , Procedia Computer Science, Elsevier, Vol.47,pp: 37-44,2015
10. S.Padmavathi, AT.Saraswathi, Y.Ra.Kalaashri, "Dynamic Resource Allocation Scheme in Cloud computing", Procedia Computer Science, Elsevier, Vol.47, pp:30-36, 2015
11. S.Padmavathi, E.Ramanujam, "Naive Bayes Classifier for Abnormality Detection using Maximal Multivariate Time Series Motif", Procedia Computer Science, Elsevier, Vol.47,pp:222-228, 2015
12. S.Padmavathi, B.Sharmila and V.M.Shivani, "Power - Aware Agent Based Scheduling in Cluster Computing Environment", Jokull Journal, Vol.63, No:11, pp: 327-336, November 2013.
13. S.Padmavathi, Mohit Golchha and A.Seeni Mohamed, " Memetic Algorithm based Task Scheduling using Probabilistic Local Search",Springer-Verlag, Lecture Notes on Computer Science, Volume 7677,pp:224-231, 2012. **Impact Factor - 0.51**
14. S.Padmavathi, An Integrated Approach of Task Scheduling with Space Sharing Algorithm for Effective Processor Allocation and Scheduling of Parallel Application, International Journal of Research and Reviews in Electrical and Computer Engineering, Volume 1 ,No.1, pp: 27-31, March 2011
15. S.MercyShalinie, S.Padmavathi, D.Kavinnithya, D.Kavinnithya, An Integrated Approach to Performance Effective Task Scheduling using Aggregated Backfilling Technique , International Journal of Software Engineering Research & Practices , Volume 1, No.1, pp:25-28, January 2011



16. S.MercyShalinie, S.Padmavathi, Scalable, Low Complexity Task Scheduling Algorithm for Cluster of Workstations, Journal of Engineering Science and Technology, Volume 5, No.3, pp:354-363, September 2010
17. S.MercyShalinie, S.Padmavathi, Tabu Search Based Memetic Algorithm for Task Scheduling, Journal of Computational Information Systems, Volume 6, No.4, pp:1017-1025, August 2010
18. S.MercyShalinie, S.Padmavathi, A Memetic Algorithm Based Task Scheduling considering Communication Cost on Cluster Workstations, International Journal of Advances in Soft Computing & Applications, Volume 2, No.2, pp:174-190, July 2010
19. S.MercyShalinie, S.Padmavathi, DAG Scheduling on Cluster of Workstations using Hybrid Particle Swarm Optimization, International Journal of Simulation-Systems, Science and Technology, Volume 10, No.6, pp:50-55, July 2009
20. E. Ramanujam, S. Padmavathi, "A Comprehensive Review on Time Series Motif Discovery using Evolutionary Techniques " International Journal of Advanced Intelligence Paradigms, 2017. **IF - 0.78**
21. S.Padmavathi, Machine Learning Based Profile Driven Scheduling Algorithm, International Journal of Engineering Business and Enterprises Application, February 2013
22. S.MercyShalinie, S.Padmavathi, Enhanced Memetic Algorithm for Task Scheduling, Springer-Verlag, Lecture Notes in Computer Science Volume 6466, pp:448, 2010. **Impact Factor- 0.51**

#### **Conferences :**

1. S.Thiruchadai Pandeewari, S.Padmavathi, "Fog based Architectures for IoT : A survey on Motivations, Challenges and Solution Perspectives", Springer International Conference on Remote Engineering and Virtual Instrumentation 2019, BMSCE, Bangalore.
2. S.Thiruchadai Pandeewari, S.Padmavathi, "Role and Impact of Softwarization of Networks and Network functions in Fog based IoT Application Architectures", IEEE International Conference on Computational Intelligence and Computing technologies, ICCIC 2018, TCE, Madurai
3. S.Padmavathi, G.Jeyashree and F.Mohamed Shakir " An Intelligent Architectural Framework for Fog Computing Supported IoT Applications", in 2018 IEEE 4th International Symposium in Robotics and Manufacturing Automation (ROMA) 10th to 12th December 2018.
4. T.Manju, Dr.S.Padmavathi and Dr.D.Tamilselvi, "A Virtual Reality Therapy for Autism Spectrum Disorder" in 2017 International Conference on Computational Intelligence: Theories, Applications, and Future Directions (ICCI-2017) at Indian Institute of Technology Kanpur, India during December 6th - 8th, 2017.
5. S.Padmavathi and T.Manju, "A Rehabilitation therapy for Autism Spectrum disorder", 2017 Second International Conference on Intelligent Information Technologies, Anna University, CEG Campus, Chennai, Dec 20th, 2017
6. S.Padmavathi and Sruthi Sivakumar, "HAAS: Intelligent Cloud for Smart Health Care Solutions", 1st International Conference on Smart Systems, Innovations & Computing (SSIC-2017), Manipal University Jaipur, 14th to 16th April 2017.
7. S.Padmavathi and Sruthi Sivakumar, "Private Cloud Services for Healthcare Analytics using Hybrid Classifiers", National Conference on Big Data Analytics and Mobile Technologies (NCBM-2017), 24th to 25th March 2017

8. S.Padmavathi, N.Soundarya,P.K.Soniha and S.Srimathi, " Dynamic Resource Provisioning and Monitoring in Cloud Computing",2017 IEEE International Conference on Intelligent Techniques in Control, Optimization & Signal Processing (INCOS'17), 23rd to 25th March 2017.
9. S.Padmavathi, A.Ramya , "Efficient Hierarchical Algorithm for Document Clustering using Spherical K-Means in Cloud Storage" Ist International Conference on Recent Trends in Engineering and Technology,ICRTET, 28th and 29th April 2016.
10. S.Padmavathi,"Multi-Agent Framework for Cloud Service Composition",2016 International Conference on Emerging Trends in Engineering, Technology and Science,ICETETS- 2016,24-26 February 2016
11. S.Padmavathi,"Hierarchical Algorithm for Document Clustering in Cloud Storage", National Conference on Research Challenges in SMAC,NCSMAC2016,Thiagarajar College of Engineering, 29th to 30th January 2016
12. S.Padmavathi, Adline George, " Harmony Search Based Multilevel Graph Partitioning Algorithm", Second International Conf.on Emerging Research in Computing,Information, Communications and Applications, ERCICA 2014
13. S.Padmavathi, G.Sindhuja, R.Shanmathi, " Genetic Algorithm approach for dynamic request processing in agent cloud platform", 2015 IEEE International Advance in Computing Conference (IACC 2015), Bangalore, 12th to 13th June 2015. (Available in IEEE Xplore Digital Library)
14. S.Padmavathi, M.Pradeepa Meenakshi, "Study of Availability Awareness in Task Scheduling Problem", in International Conference on Innovative Trends In Computing and Technology (ICITCT 2013), March 7th and 8th 2013, The Rajaas Engineering College, Vadakkankulam
15. S.Padmavathi, M.Pradeepa Meenakshi, "Scheduling of Tasks in Cluster Computing Environment based on Availability Characteristics", in National Conf. on Information & Network Management (NCINM 2013), Thiagarajar College of Engineering, Madurai.
16. S.Padmavathi, E.Ramanujam, "Naive Bayes Classifier for Abnormality Detection using Maximal Multivariate Time Series Motif", International Conference on Graph and High Performance Implementation and Applications (ICGHIA2014), CIT, Coimbatore.
17. S.Padmavathi,Monisha , K.Sindhuja, "Performance Analysis of Agent-based framework", Int'l Conf. on Graph and High Performance Implementation and Applications (ICGHIA2014), CIT, Coimbatore
18. S.Padmavathi, Saraswathi, Kalaashri, "Dynamic Resource Allocation Scheme in Cloud computing", Int'l Conf. on Graph and High Performance Implementation and Applications (ICGHIA2014), CIT, Coimbatore
19. S.Padmavathi, Shanmathi.Ra, Sankareshwari.G, "An Agent based Cloud Framework for Small scale Industries", Int'l Conf. on Graph and High Performance Implementation and Applications (ICGHIA2014), CIT, Coimbatore
20. S.Padmavathi, Adline George , "Multilevel Hybrid Graph Partitioning Algorithm", 4th IEEE International Advance Computing Conference, IACC, pp: 85-89, Feb 2014 available in IEEE Digital Library
21. S. Padmavathi, E. Ramanujam, "Naive Bayes Classifier for ECG Abnormalities using Multivariate Maximal Time Series Motif", ICGHIA 2014, 17 Dec 2014.
22. S.Padmavathi, Memetic Algorithm Based Task Scheduling Using Probabilistic Local Search, SEMCCO2012,Springer, LNCS 7677

23. E.Ramanujam, S.Padmavathi, "Constraint Frequent Motif Detection in Sequence Datasets",Fourth International Conference on Advanced Computing(ICOAC'12),Anna University, Chennai.
24. S.Padmavathi, Scheduling of Sporadic Tasks Using Limited Preemption Technique, National Conference on VLSI,Embedded and Communication Systems,NCVEC 2012, 24th to 25th January 2012
25. S.Padmavathi, S.MercyShalinie, Enhanced Memetic Algorithm for Task Scheduling, International Conference on Swarm, Evolutionary and Memetic Computing, Dec-2010
26. S.MercyShalinie, S.Padmavathi, Hybrid Approach for Task scheduling with Selective Duplication under Memory and Time constraints, International Conference on Emerging Trends in Engineering Technologies ICETES 2010, 2010
27. S.MercyShalinie,S.Padmavathi Contention Awareness in Task Scheduling Using Tabu Search,IEEE International Advance Computing Conference IACC 09,2009 (Available in IEEE Xplore Library)
28. S.MercyShalinie, S.Padmavathi, Introduction of Contention Awareness in Task Scheduling, National Conference on Advanced Computing & Application NCACA-09, 2009
29. S.MercyShalinie, S.Padmavathi, DAG Scheduling On Cluster of Workstations using Hybrid Particle Swarm Optimization, International Conference on Emerging Trends in Engineering&Technology ICETET 2008, 2008
30. S.MercyShalinie, S.Padmavathi, Performance Effective Task Scheduling For Homogeneous Computing Environment, National Conference on Ubiquitous & Pervasive Computing NCUPC 2008, 2008
31. S.MercyShalinie, S.Padmavathi, Analyzing The Time Complexity Of Parallel Algorithms For Knapsack Problem, International Conference On Signal Processing,Communications And Networking, Feb-22 to 24 , 2007
32. S.Padmavathi, R.Selvakumar, Implementing Matrix Multiplication on Linux Cluster Under MPI Environment, National Conference on Current Trends in Computer Technology, SRMIST, Tamilnadu, Feb 10 to 11, pp:86,2006
33. S.Padmavathi, Meeting The Challenges Of Load Balancing Between Heterogeneous Computing Clusters, Asia Pacific Conference On Parallel And Distributed Computing,OBCOMAPC, Dec13-15 , 2004
34. S.Padmavathi, Pervasive Computing for Medical Applications, International Conference on Emerging Technology,KIIT,Bhubaneswar,19-21 December,2003, 2003,
35. S.Padmavathi, Human Centered Vision of Ubiquitous Computing, International Conference on Information Technology, Center for Information Technology, Bhubaneshwar,Orissa, 2003
36. S. Padmavathi, E. Ramanujam, "Double Constrained Genetic Algorithm for ECG Signal Classification", ICETETS , 27 Feb 2016
37. S.MercyShalinie,S.Padmavathi, D.Kavinithya, Integrated Approach to Performance Effective Task Scheduling ,International Conference on Advanced Computing and Communication Technologies -ACCT'11,2011

#### **14. No of Books Chapters Published:**

1. E. Ramanujam & S. Padmavathi, "A Vision-Based Posture Monitoring System for the Elderly Using Intelligent Fall Detection Technique". In Guide to Ambient Intelligence in the IoT Environment (pp. 249-269). Springer, Cham, 2019
2. G. Jeya shree and S. Padmavathi. "An Adaptive ARP Approach for Fog-Based RSU Utilization." In Smart Intelligent Computing and Applications, Vol.2, pp. 1-10. Springer, Singapore, 2019.
3. S.Padmavathi, Dr.S.Mercy Shalinie, B.C.Someshwar and T.Sasikumar, "Enhanced Memetic Algorithm for Task Scheduling", in Swarm, Evolutionary and Memetic Computing , LNCS6466, Springer-Verlag Berlin-Heidelberg, pp.448-459,Dec.2010
4. S.Padmavathi, Mohit Golchha and Seenii Mohamad, "Memetic Algorithm Based Task Scheduling Using Probabilistic Local Search", in Swarm, Evolutionary and Memetic Computing, LNCS 7677, Springer-Verlag-Berlin-Heidelberg ,December 2012

## FACULTY PROFILE

**1. Name and Designation :** Dr. D.Tamilselvi, Associate Professor

**2. Department :** Information Technology

**3. Date of Birth :** 30.07.1970

**4. Unique id :** 1-487958589

**5. Education Qualification:**



Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	B.E.	Electronics and Communication Engineering	1991	Thiagarajar College of Engineering	Madurai Kamaraj University	65.8%	First
PG	M.E.	Computer Science and Engineering	2002	National Engineering College	Manonmanium Sundaranar University	74.8	First
Ph.D.		Information Communication Technology	2014	Anna University	Anna University	-	-

**6. Work Experience :**

**Teaching :**

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Thiagarajar College of Engineering	6	10	2	-

**Research : Ph.d. Title** “Agent Based path Planning for robot Navigation”

**Industry :**

Company Name	Nature of Work	Periods	Total No. of Years
Graphics Park Info Solutions, Madurai	Programmer cum Faculty	1993-1998	6
National Engineering College, Kovilpatti	System Programmer	1998-2000	3
Kewaunee Labway solutions	CSIR	2017-till date	2

- Others :

**7.Area of Specialization :** Cognitive Science, Artificial Intelligence, Mobile Robot Navigation

**8. Courses Taught at:**

UG Level : Artificial Intelligence, Computer Organization, Computer vision, Robotics, professional Ethics, Electronic Devices, Internet Programming, Advanced Networking, Communication systems, Human Computer Interaction, Robotics and Automation, Ecommerce

PG Level : Cognitive Science, Augmented Reality, Machine Learning

**9. Research/Project Guidance :**

**Master :**

Name of the scholar	COURSE	AREA OF Project	STATUS
Nithya	M.E. (CSE)	Robot Navigation	Completed
Nirmala	M.E.(CSE)	Reinforcement Learning for Optimal Navigation	Completed
Karthikeyan	M.E.(CSE)	Potential Field Algorithm for Optimal path selection	Completed
Deivendran	M.E.(CSE)	Mobile Robot Navigation using shortest path selection	Completed
Rajeswari	M.E.(CSE)	Mobile robot navigation in dynamic environment	Completed
Kiruba	M.E.(CSE)	DT algorithm for Mobile Robot Navigation	Completed
Sumathi	M.E.(CSE)	GA for optimal path selection using Firebird V robot	Completed
Sahana	M.Tech (CS & IS)	Driver Drowsiness and Distraction alert system	Completed
Manimala	M.Tech (CS & IS)	Psychology based interactive game development for autism rehabilitation	Completed
Priyanka	M.Tech (CS & IS)	Improving the Cognitive behaviour using virtual environment for autism children	In progress

**Ph.D : Nil**

Name of the scholar	COURSE	AREA OF RESEARCH	STATUS

**10. Projects Carried out :**

<b>S. No.</b>	<b>Project Title</b>	<b>Position</b>	<b>Organization</b>	<b>Duration</b>	<b>Amount Sanctioned</b>
1	Modelling and Optimizing a Multi Hypotheses Target Tracker for Maneuvering Targets in Clutter using Evolutionary and High Performance Computing Techniques	Investigator	AICTE Sponsored Project India	2 Years (National ) 2004 – 2006	9.5 Lakhs
2	International Virtual Laboratory on Mechatronics	Coordinator	European Union Sponsored Project Germany	2 Years (International) 2005 – 2007	25 Lakhs
3	Intelligent Algorithmic Approach for Mobile Robot Navigation in an Indoor Environment	Coordinator	Computer Society of India Mumbai	1 Year (National ) 2010 – 2011	Rs.40,000/-
4	Virtual Reality based cognitive rehabilitation for Autism Children to improve their social behavior	Co-Invstigator	Department of Science and Techonology-CSRI(Cognitive Science Research Initiative) Delhi	2018	Rs.33,78,800 (Thirty Three Lakh Seventy Eight Thousand and Eight hundred)

**11. Patents : Obtained : Nil      Applied :**

**12 : Technology Transfer :** Telematics project (Virtual Laboratory) demo in JMUW University(Wurzburg, Germany) under EU –IECCP (European Union – India Economic Cross Cultural Programme) , and Road Show Programme at Anna University, Guindy Campus and Ambedkar University, Bangalore in 2006

### 13. Research Publications :

#### National Journals :

#### International Journals :

S. No.	Journal Name	Title of the Paper	Volume, Page No.	Author
1	IJCSI (International Journal of Computer Science Issues)	Optimal path selection for mobile robot navigation using genetic algorithm	Vol. 8, No.4, No.1, pp.433-440, July 2011, ISSN (Online):1694-0814	Tamilselvi, D., Mercy Shalinie, S. Hariharasudan, M.
2	Springer LNCS	Optimal path selection for mobile robot navigation using genetic algorithm in an indoor environment	Volume 7125, pp.263-269, 2011	Tamilselvi, D., Mercy Shalinie, S. And Fathima Thasneem, A.
3	International Journal of Electronics, Electrical and Communication Engineering,	Reinforcement learning for mobile robot navigation in indoor environment	Vol.3, No.1, pp.35-39, 2011	Tamilselvi, D., Dr.Mercy shalinie and Nirmala, G
4	Control, Automation, Communication and Energy Conservation	Mobile Robot Navigation using Potential Field Algorithm	Vol.3, No.1, 157 – 161, 2009	D. Tamilselvi R.Arunkumar
5	Journal Advances in Natural and Applied Sciences	Hybrid Genetic Algorithm Approach for Mobile Robot Path Planning	Volume 8(17): pp. 41-47, 2014	D. Tamilselvi, S. Mercy Shalinie, S. Abinaya
6	Springer - Advances in Intelligent Systems and Computing	Human Cognition and Vision Based Earlier Path Determination System for Indoor Mobile Robot Path Planning	Vol.330, pp. 727-732, 2014	D.Tamilselvi, N.Nithya



7	Springer – CCIS	A Rehabilitation therapy for autism spectrum disorder using virtual laboratory	CCIC808,PP.328-338,2018	D.Tamilselvi T.Manju
8	Asian Journal of Convergence in Technology	Autism Spectrum Disorder Treatment Through  Virtual Environment: A Survey&quot	Volume III, Issue IIISSN  No.:2350-1146, Impact Factor - 2.71, April 2017.	T.Manju, Dr.S.Padmavathy and Dr.D.Tamilselvi,

#### Conferences :

##### International

S. No.	Conference Name	Title of the Paper	University / College
1	ICRTIT –International conference on Recent Trends in Information Technology	Q-learning for mobile robot navigation in indoor environment	MIT Chennai  Madras Institute of Technology, Chennai
2	IAMAS –Dynamic Programming Agent for Mobile Robot Navigation with Moving Obstacles”, International Conference of Intelligent Agent and Multi agent System	Dynamic Programming Agent for Mobile Robot Navigation with Moving Obstacles	Aarupadai Veedu Institute of Technology, Chennai
3	All India Seminar on Innovations in Electronics Technology for Futuristic Communications	IT enabled intelligent support system for visually challenging people”.	Institution of Engineers, Cochin
4	ICSCIS – International Conference on Soft Computing and Intelligent Systems	Soft computing approach for mobile robot navigation in and indoor environment	Jabalpur Engineering College, Jabalpur

5	International Conference on Computational Intelligence: Theories, Applications, and Future Directions (ICCI-2017)	A Virtual Reality Therapy for Autism Spectrum Disorder	Indian Institute of Technology Kanpur,

### National

S. No.	Conference Name	Title of the Paper	University / College
1	ICOM 2011- National Conference on Imaging, Computing Object and Mining	Optimal path selection using reinforcement learning for mobile robot navigation in indoor environment	Anna University of Technology, Trichy
2	NCACA – National Conference on Advanced Computing Applications	Dynamic path planning for mobile robot navigation	PSG College of Technology, Coimbatore
3	SCIS – National Conference on Soft Computing and Intelligent Systems	An algorithmic approach for mobile robot navigation using multi agent system	Bharathiar College of Engineering & Technology, Karaikal
4	NCVIT – National Conference on Computer Vision and Information Technology	Reconstruction Of Partially Occluded Object Boundaries For Clutter Indoor Environment Using Optimal Curve Segment Method	Government College of Technology, Coimbatore
5	NCINM 2013 -National Conference on Information and Network Management	Mobile Robot Path Selection using Potential Field Algorithm (PFA) in Static Environment	Thiagarajar College of Engineering, Madurai

**Reviewer**

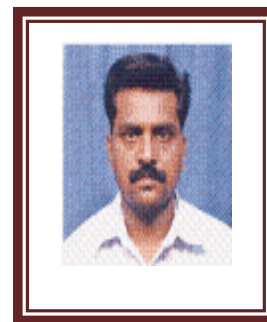
Journal/Conference	Name of the Conference	Year
Journal – Springer( Robotics and Autonomous System)	-	2014
National Conference – MINDS (Mind Internetworking and Data Security)	Alagappa University, Karaikudi	2014
International Conference on Computational Intelligence	Karpagam College of Engineering,	2013
NCINM – National Conference on Information and Network Management	Thiagarajar College of Engineering	2013
Chaired a Session in ICCI 2013 (International Conference on Computational Intelligence) in	Sethu Institute of Technology, Madurai	2013
International Conference on ICECI(International Confernece on Electronics, Communication and Information System)	Kalasalingam University	2012

**14. No of Books Published with details :**

S. No.	Book Name	Title of the Book	Author	Remarks
1	Intech	<p>Advances in Robot Navigation</p> <p>DOI: 10.5772/16778. Available from:  <a href="http://www.intechopen.com/books/advances-in-robot-navigation/hybrid-approach-for-global-path-selection-dynamic-obstacle-avoidance-for-mobile-robot-navigation">http://www.intechopen.com/books/advances-in-robot-navigation/hybrid-approach-for-global-path-selection-dynamic-obstacle-avoidance-for-mobile-robot-navigation</a></p> <p>Number of downloads 2,342</p>	D. Tamilselvi, S. Mercy Shalinie, M. Hariharasudan and G. Kiruba	Chapter published in the book with the title “Hybrid approach for Global Path Selection and obstacle avoidance for Mobile Robot Navigation using DT and GJK algorithm”



## FACULTY PROFILE



**1. Name and Designation :** Dr.S.Muthuramalingam ,Associate Professor

**2. Department :** Information Technology

**3. Date of Birth :** 14-03-1975

**4. Unique id :** 1-490595479

**5. Education Qualification:**

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	B.E	Computer Science and Engineering	1997	Shanmugha College of Engg	Bharathidasan University,	57	Second Class
PG	M.E	Digital Communication and Network Engineering	2002	Kalasalingam College of Engg	Madurai Kamaraj University	73	First Class
Ph.D.	Ph.D.	Information and Communication Engineering	2012	-	Anna University, Chennai	-	-

**6. Work Experience :**

**Teaching :**

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Irs,Annauniversity,Chennai	JRF(10 months)			
Psnacet,Dindigul	1.5			
Thiagarajar college of Engineering	7 Years 4 Months	3 Years 8 Months	5 yrs 8 months	

**Research :**

**Industry :**

Company Name	Nature of Work	Periods	Total No. of Years
GENYSIS INFOTECH	SOFTWARE ENGINEER	03-01-2000 to 03-01-2001	1

- Others :

**7. Area of Specialization:** Computer Networks, Mobile Communication, Mobile computing and Wireless networks.

**8. Courses Taught at:**

UG Level: Computer Networks, Management Theory and Practice, Network Security, Wireless and Mobile communication

PG Level: Wireless and Mobile Security.

**9. Research /Project Guidance:**

Master:

Name of the scholar	COURSE	AREA OF Project	STATUS

**Ph.D ;**

Name of the scholar	COURSE	AREA OF RESEARCH	STATUS
S.PUDUMALAR	Ph.D	DATA MINING	Ongoing
C.V.NISHA ANGELINE	Ph.D	IoT	Ongoing
PRAVEEN KUMAR	Ph.D	WIRELESS NETWORKS	Ongoing
N.GAYATHRI	Ph.D	SECURITY	Ongoing
RAKESH	Ph.D	SECURITY	Ongoing

**10. Projects Carried out:** Thiagarajar Telekom Solutions, Madurai . "Development of Software to integrate HMI for RFID based tracking System " 2015-16 , Rs.30,000

**11. Patents: Obtained:**                      **Applied: 3**

Sr. No.	CBR No.	Status	Application Number	Title/Remarks
1	22968	Applied	201841030822	NOVEL SYSTEM FOR AIR POLLUTION DETECTION AND CONTROL BY TRAFFIC MONITORING
2	22968	Applied	201841030823	NOVEL SYSTEM DESIGN FOR PREVENTION OF ACCIDENTS IN NO-MAN LEVEL CROSSINGS USING GPS MOBILE ALERTS
3	22968	Applied	201841030824	NOVEL SYSTEM FOR TRACKING OVERLOADED

				VEHICLES
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## 12: Technology Transfer:

S.No	Name of the Lecture	Period	Organizer, Venue
	TEQIP III Sponsored "Two days Training Programme on ICT Tools for Effective Teaching"	21-22 Jan 2019	TCE, Madurai
1.	International Conference on "Recent Trends in Engineering Education"	Oct 5 2018	PSRCET, Sivakasi
2.	Training Programme on " ICT for Education" For overseas Participants	Jan,2016	TCE, Madurai
3.	IEEE International Conference on Computational Intelligence and Computing Research (ICCIC) 2018	Dec 13-14 2018	TCE, Madurai
4.	Computer Networks-A research Perspective	Feb 2010,	Vick ram College of Engineering
5.	IEEE Sponsored international conference on Science, engineering and management "ICSEM 2013"	May' 17 2012	Srinivasan college of Engineering
6.	FDP on Mobile communication	30 Jan 2013	KLNCIT,EEE Dept
7.	Three days workshop on Advances in wireless communication	24 Jun 2013	KLNCIT, IT dept
8.	Guest Lecture on Stenography	25 March 2012	DSCET, Perambalur
9.	Research issues in wireless communication	6 SEP 2013	Kalasalingam University
8.	FDP on Advances in Wireless and Mobile Computing	20 Sep 2011	PSNACET, Dindigul
10.	Guest Lecture on Instructional Design and delivery	25 October 2014	Veltech University
11.	Recent trend in wireless network.	14 OCT 2013	Srinivasan college of Engineering
12.	National Seminar on " Research challenges in wireless communication"	November 2016	Mepco Engineering College
13.	Guest Lecture on IoT	June 2017	VCET, Madurai

## 13. Research Publications:

### National Journals:

1. Securing e-health records using keyless signature infrastructure blockchain technology in the cloud, Neural Computing, and Applications SPRINGER, Gayathri Nagasubramanian, Rakesh Kumar Sakthivel, Rizwan Patan, Amir H. Gandomi, Muthuramalingam Sankayya.
2. "A Transmission Range Based Topology Maintenance Algorithm for Manets".Australian Journal of Basic and Applied Sciences 8(18) December 2014, Pages: 361-366.

3. Stego anomaly detection in images exploiting the curvelet higher order statistics using evolutionary support vector machine” S. Muthuramalingam S. Geetha & Siva S. Sivatha Sindhu, Springer Multimedia Tools and Applications, DOI 10.1007/s11042-015-2984-8.
4. S.Muthuramalingam, A Modified weighted clustering algorithm for stable clustering using mobility prediction, Internetworking Indonesia journal., vol2/No 2.

#### **International Journals ;**

1. “An Enhanced Clustering Algorithm for Mobile Ad hoc Network to improve the Throughput” S.Muthuramalingam and R.Rajaram Published in International Journal of Mobile Network Design and Innovation 2011 – Vol. 3, No.4 pp. 191 – 197.
2. S.Muthuramalingam , Dr.R.RAJARAM,A Dynamic Clustering Algorithm for MANETs by modifying Weighted Clustering Algorithm International Journal IJCEE.
3. S.Muthuramalingam, An Enhanced Clustering Algorithm for Mobile Ad hoc Networks to improve the Throughput, International Journal of Mobile Network Design and Innovation , Vol. 3, No.4 pp. 191 – 197.
4. S.Muthuramalingam, A Transmission Range Based Clustering Algorithm for Topology Control Manet , International Journal on applications of graph theory in wireless ad hoc networks and sensor networks (GRAPH-HOC) , Vol 2/No 3.

#### **Conferences :**

1. Title: "A Comparative Analysis of Image Steganographic Techniques ", Conference Name: International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST'18), Venue: NIT, Tiruchirappalli.
2. R.Leena Sri,Dr.S.Muthuramalingam “A Novel Summative Grading Assessment strategy for Improving Students Performance”, 4th IEEE International Conference on MOOCs, Innovation and Technology in Education MITE 2016, Dec 2016.
3. "An innovative mobility based Self-stabilizing clustering algorithm for Manet"International Conference on Computing, Communication, Electrical, Electronics, Devices and Signal Processing (CCEEDS), Andhra Pradesh.
4. "An Energy-Conserving Topology Maintenance Algorithm in Manets",International Conference on Eco-friendly Computing and Communication Systems, NITK Surathkal.
5. S.Muthuramalingam, Reducing the cluster overhead by selecting optimal and stable cluster head, IEEE AMS 2008,KL,Malaysia, CD,IEEE Digital Library 2008.
6. S.Muthuramalingam, A Transmission based clustering Algorithm for MANET, NETCOM 09, IEEE, Digital Library 2010.
7. S.Muthuramalingam, An efficient Algorithm to maximize the lifetime of cluster head, NCCNS'09,VIT.
8. S.Muthuramalingam, Balance the load in manet by linking LET and guass markov model, NCACT,SASTRA.

#### **14. No of Books Published with details:**

1. IoT Based Intelligent Transportation System (IoT-ITS) for Global Perspective: A Case StudyMuthuramalingam, S. (et al.)Internet of Things and Big Data Analytics for Smart Generation,SPRINGER USA.
2. S. Muthuramalingam. M. Thangavel, S. Sridhar, Book Title: "Combating Security Breaches and Criminal Activity in the Digital Sphere" Book Chapter title: "A Review on Digital Sphere Threats and Vulnerabilities" ISBN: 150715-071743 Publisher: IGI Global, 2016.



3. S.Muthuramalingam,Raja Lavanya, C.V.Nisha Angeline "Lightweight Secure Architectural Framework for Internet of Things" Accepted to publish in "Countering Cyber Attacks and Preserving the Integrity and Availability of Critical Systems." Publisher: IGI Global.

## FACULTY PROFILE

**1. Name and Designation :** Dr.C Jeyamala ,Assistant Professor

**2. Department :** Information Technology

**3. Date of Birth :** 24/07/1978

**4. Unique id :** 1-490595529

**5. Education Qualification:**



Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	B.E	Electrical and Electronics Engineering	1999	Mohamed Sathak Engineering College, Kilakarai	Madurai Kamaraj University	78.6	First Class
PG	M.E	Computer Science and Engineering	2005	Thiagarajar College of Engineering, Madurai	Anna University, Chennai	8.6	First Class with Distinction
Ph.D.	Ph.D	Information and Communication Engineering	2018	Thiagarajar College of Engineering, Madurai	Anna University, Chennai		

**6. Work Experience :Teaching :**

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Thiagarajar College of Engineering	6 years	7 years		

**Research :**

**Industry :**

Company Name	Nature of Work	Periods	Total No. of Years

**Others :**

**7.Area of Specialization :** Information Security

**8.Courses Taught at:**

UG Level : Distributed Systems, Professional Ethics, Computer Networks, Data warehousing and Mining, Artificial Intelligence, Problem Solving using Computers, Computer Programming -1, Information Security and Assurance, Network Security, Data Structures

PG Level : Cryptography and Network Security (M.E (CS& IS)), Applied Cryptography (M.Sc (Applied Mathematics)) ,Analysis of Algorithms (M.Sc (Applied Mathematics))

**9.Research/Project Guidance :**

**Master :**

Name of the scholar	Course	Area of Project	Status
Ms.Anuja	M.E	Cloud Security	Completed
Ms.Dheepika	M.E	Security in Distributed Programming Model	Completed
Ms.V.Pavithra	M.E	Security Services for Telemedicine	On-going

**10. Projects Carried out :**

**11. Patents : Obtained :                      Applied :**

**12 : Technology Transfer :**

- Assistant Faculty for the online International Engineering Education Certification Program Conducted by IUCEE
- Learning Management Systems, TEQIP sponsored Two Day Training Programme on ICT Tools for Effective Teaching, Jan 2018, Thiagarajar College of Engineering, Madurai

- Collaborative Learning and Learning Management Systems, TEQIP Twinning Programme, Harcourt Butler Technical University, Kanpur, March 2018
- Mapping of Program Outcomes and Course Outcomes, Faculty Development Programme on Outcome Based Education, KLN College of Information Technology, Madurai, November 2017
- Collaborative Learning, Workshop on Pedagogical practices for 21<sup>st</sup> century Learners, Thiagarajar College of Engineering, March 2017.
- Assessment Tools and Techniques, MS Ramaiah Institute of Technology, Bengaluru, 2016
- Active Learning and usage of ICT Tools in Engineering Education, MS Ramaiah Institute of Technology, Bengaluru, 2015
- Public Key Cryptosystems in Workshop on Mathematical Essentials of Cryptology Research, Thiagarajar College of Engineering, October 2014
- One way Functions in Faculty Development Programme on Cryptography and Network Security at KLN College of Information Technology, March 2012

### **13. Research Publications :**

#### **National Journals :**

#### **International Journals : 6**

- Assessing and Enhancing Creativity in a laboratory course with Project Based Learning, Anitha D, Jeyamala C, Kavitha D, Journal of Engineering Education and Transformation, Volume 32, Issue 2, October 2018.
- A Hybrid Chaotic and Number Theoretic Approach for Securing DICOM Images, Jeyamala Chandrasekaran, SJ Thiruvengadam, Security and Communication Networks 2017, Wiley Inc.,
- Ensemble of chaotic and naive approaches for performance enhancement in video encryption, Jeyamala Chandrasekaran, & SJ Thiruvengadam, Special Issue on Recent Trends in Computational Intelligence, The Scientific World Journal 2015, Article ID 458272.
- A Survey on security issues and solutions for storage and exchange of medical images in cloud, M Anuja, C Jeyamala, International Journal of Emerging Trends in Electrical and Electronics , 2016, vol.11.

- Ensemble of blowfish with chaos based s box design for text and image encryption, Jeyamala Chandrasekaran, B Subramanyan, GS Raman, International Journal of Network Security & Its Applications 2011, 3 (4), 165-173
- Application of Logistic Equations in generation of symmetric keys in Cryptography, Jeyamala C, Selva meena S, Subhasri, Rajanika TSR, International Journal of Networking and Communication Engineering December 2012, DOI:NCE122012004

#### **Conferences : 9**

- A survey on the techniques of Medical Image Encryption, Pavithra V, Jeyamala.C , IEEE International Conference on Computational Intelligence and Computing Research, December 2018.
- A Review on Confidentiality of Medical images , Jeyamala C, Deepika B, International Conference on IoT, Data Science and Security , December 2017
- A fast and secure image encryption algorithm using number theoretic transforms and discrete logarithms, Jeyamala Chandrasekaran, SJ Thiruvengadam, IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems, 2015
- Ensemble of logistic maps with genetic algorithm for optimal pixel selection in image steganography, Jeyamala Chandrasekaran, G Arumugam, D Rajkumar IEEE International Conference on Electronics and Communication Systems (ICECS), 2015
- A chaos based approach for improving non linearity in S box design of symmetric key cryptosystems, Jeyamala Chandrasekaran, B Subramanyan, R Selvanayagam, International Conference on Computer Science and Information Technology, Springer – LNCS, 2010, 516-522
- Image Encryption Scheme Based on One Time pads- A chaos Based Approach, Jeyamala Chandrasekaran, Gopi Ganesh, IEEE International Conference on Computing, Communication and Networking Technologies, July 2010.
- A Real time Image Encryption Algorithm based on Discrete Logarithms, Jeyamala Chandrasekaran, International Conference on Information Processing, Bangalore, July 2010
- Proximal Support Vector Machine with Genetic Algorithm Based Feature Selection for Intrusion Detection, Jeyamala Chandrasekaran, Saranya, International Conference on Computer and Communication Technologies, December 2009

- Study on Integration of Zero Knowledge protocols in Kerberos Authentication, Jeyamala Chandrasekaran, International Conference on Sensors, Security and Intelligent Systems, January 2009

**14. No of Books Published with details :**

## FACULTY PROFILE



1. Name and Designation : Dr.S.Sridevi, Associate Professor

2. Department : Information Technology

3. Date of Birth : 28.07.1983

4. Unique id : 1-488132553

5. Education Qualification:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
<b>UG</b>	B.E.	ECE - Electronics and Communication Engineering	2004	Mepco Schlenk Engineering College	Madurai Kamaraj University	83.17	First class with distinction
<b>PG</b>	M.E	Multimedia Technology	2006	College of Engineering, Anna University	Anna University	7.7	First class
<b>Ph.D.</b>	Ph.D.	ICE – Information and Communication Engineering	2015	Anna University	Anna University	-	-

6. Work Experience:

**Teaching:**

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Thiagarajar College of Engineering, Madurai	5 years 1 Month	6 Years 3 Months	I Year 2 Month (Till now 28.02.2019)	-

**Research: -**

**Industry: -**

Company Name	Nature of Work	Periods	Total No. of Years

- Others : -

**7.Area of Specialization :** Data Analytics, Computer Graphics

**8. Courses Taught at:**

**UG Level:**

Professional Ethics	Software Engineering
Data Structure with OOPS	Animation Tools: Theory and Practice
Personal Computer Systems	Digital Circuits
Database Systems	Java Programming
Computer Architecture	Object Oriented Programming
Electrical Circuits	Data Mining Techniques
Control Systems	Operating Systems: Principles And Design
Computers and Programming	
Graphics and Visualization	

**PG Level:**

Data Mining Techniques
Software Engineering Theory and Practice
Computational Geometry

**9. Research/Project Guidance:**

**Master:**

Name of the scholar	COURSE	AREA OF Project / Title	STATUS
G Freethy	M.E - CSE	Image Processing / Rotation Invariant and Scale Invariant Texture Image Retrieval	Completed



K S Pradeep Kumar	M.E - CSE	Image Processing / Image Retrieval Using Genetic Programming	Completed
G Akil Arasu	M.E - CSE	Data Mining / Pattern Discovery of Time Series Data Using Correlation Mining	Completed
A.Thileepan	M.E - CSE	Image Processing / An Intelligent Forest Fire Detection System Using Dynamic Characteristics of Fire	Completed
S.Abirami	M.E - CSE	Data Mining / Detection of Outliers in Temporal Database	Completed
P.Saranya	M.E - CSE	Data Mining / Mining Complex Periodic Patterns Using KMPP and BMP Algorithms	Completed
V. Veera Anusuya	M.E - CSE	Data Mining / Prediction of Time Series Data Using LSSVM and ARMAX	Completed
G.Mahalakshmi	M.E - CSE	Data Mining / Forecasting of Time Series Data Using Improved Particle Swarm Optimization	Completed
U.Abirami	M.E - CSE	Data Mining / Map Reduce Based Feature Selection for Predicting the Diabetes Melitus With CART and RF Algorithms	Completed
M Yalini	M.E - CSE	Data Mining / An Approach for Storing and Retrieving Health Informatics Big Data	Completed
S.Meena	M.E -CSIS	Networks/ File and Printer Sharing Using Samba for Residential Gateways	Completed

Ph.D ; -

Name of the scholar	COURSE	AREA OF RESEARCH	STATUS

#### 10. Projects Carried out:

Nature of work	Interacted Industry /Institute	Year	Role	Facilities utilised / co-workers	Revenue Earned
3D Modelling, Avatar Creation and Animation using Opensim and SecondLife	Amadasoft	01-01-2008 to 25-04-2010	Investigator for the Multimedia Project	Use of Multimedia Softwares, Industrial Visit	Students received Stipend for the work completed.
Pilot Proficiency Measurement System	AerX Lab Inc, Bangalore	01-09-2015 to 30-06-2016	Investigator for the Project	Utilization of Flight Simulator	Received Appreciation Certificate.

11. Patents: Obtained :                      Applied : -

12: Technology Transfer: Handled sessions at NIT, Trichy and AC Tech, Karaikudi in the area of  
“Data Analytics”

13. Research Publications:

**National Journals : 1**

1. C. Muruganantham, Dr.N. Jawahar, K. Chockalingam, S.Sridevi , “Orthogonal Array based Regression equation for accuracy of vision camera calibration”, Journal of Indian Institution of Production Engineering, Vol .3, No.1, pp.3 - 13, 2008.

**International Journals: 6**

1. Dr.S.Sridevi, Dr.S.Parthasarathy, Dr.S.Rajaram, “AN EFFECTIVE PREDICTION SYSTEM FOR TIME SERIES DATA USING PATTERN MATCHING ALGORITHMS" got accepted to publish in "International Journal of Industrial Engineering: Theory, Applications and Practice", 2018.Publication Status: In Press. **SCIE Impact Factor: 0.537**
2. Sridevi, S, Veera Anusuya, V & Maha Lakshmi, ‘Prediction of time series data using SVM and ARMAX’, International Journal of Applied Engineering Research, ISSN: 1087-1090, vol. 10, no. 20, pp. 19171-19175, 2015. (Scopus Indexed)
3. S.Sridevi, Dr.S.Rajaram , ‘Improving Performance of Electricity Demand Forecasting using variants of Particle Swarm Optimization’, Middle-East Journal of Scientific Research, vol. 22, no. 3, pp. 458-463, 2014. (Scopus Indexed)
4. S.Sridevi, Dr.S.Rajaram, “"An Efficient Method for Mining Periodic Transitional Patterns in Transaction Database", Journal of Theoretical and Applied Information Technology, ISSN 1992-8645 Vol.55, No.1, pp.74-83, September 2013. (Scopus Indexed)
5. S.Sridevi, S.Abirami, Dr.S.Rajaram, “Detecting and Revamping of X-Outliers in Time Series Database”, International Journal of Computer Applications, ISSN-0975-8887, Vol.60, No.19, pp.28-33, Dec 2012.
6. A.Thileepan, S.Sridevi, “An intelligent forest fire detection system based on dynamic characteristics of fire”, International Journal of Computational Intelligence and Telecommunication Systems, ISSN: 2229-3078, Vol. 2, No.1, pp.63-68, 2011.

**Conferences: 15**

1. M.Yalini, S.Sridevi, "An Approach for Storing and Retrieving Health Informatics Big Data", Proceedings of the IEEE International Conference on Inventive Communication and Computational Technologies, ICICCT 2018. (Scopus Indexed)
2. S.Sridevi, U.Abirami, "Traffic flow prophecy with Map Reduce job for Big Data driven Approach", Eighth International Conference on Advanced Computing (ICoAC'17) at **MIT, Anna University, Chennai** during 19- 21 January, 2017. (Scopus Indexed)
3. Dr.S.Sridevi, G.Mahalakshmi, Dr.S.Rajaram, "Forecasting of time series data using improved Particle Swarm Optimization" presented at the Third International Conference on BAI conducted by **IIM, Bangalore** during 17 and 19 dec'15.
4. G.MahaLakshmi, S.Sridevi, "Forecasting of Fuzzy Time Series Data using Improved Genetic Algorithm", in National Conference on Research Challenges in SMAC organized by **TCE** during 29 January to 30 January, 2016.
5. Dr.S.Sridevi, G.Mahalakshmi, Dr.S.Rajaram, "A Survey on Forecasting of time series data" in the IEEE International Conference on ICCTIDE'16 organized by **NEC, Kovilpatti** during 7 and 9th January'2016. (Scopus Indexed)
6. S.Sridevi, Dr.S.Rajaram, "Comparison of fuzzy based forecasting methods of time series data", ICDMSCT 2013 held at Sastra University, Tanjore.
7. S.Sridevi, Dr.S.Rajaram, C.Parthiban, S.SibiArasan, C.Swadhikar, "Imputation for the analysis of missing values and prediction of time series data", ICRTIT'11 available in IEEE Explore digital Library , ISSN-978-1-4577-0588-5, pp.1158-1163,2011 held at **MIT, Anna University, Chennai**. (Scopus Indexed)
8. G.Akil Arasu, S.Sridevi, , "Pattern discovery of time series using correlation mining", ICOM'10, pp. 551-556, 2010 held at **Anna University, Trichy**.
9. S.Sridevi, Dr.S.Rajaram, C.Swadhikar, "An intelligent prediction system for time series data using Periodic Pattern Mining in Temporal Databases", IITM'10, Indexed in ACM Digital Library, ISBN: 978-1-4503-0408-5, Pp163-171, 2010 held at **IIT, Allahabad**. (Scopus Indexed)
10. G.Freethy , S.Sridevi, M.Sivakumar , "Steerable pyramid decomposition for Rotation, scale and Illumination invariant texture image retrieval", ICACC'09 , pp.2290 - 2295, organized by **Thapar University, Patiala**.
11. S.Sridevi, G.Freethy , "Steerable pyramid decomposition for rotation and scale invariant texture image retrieval", NCACA'09 , pp.361 -366, organized by **PSG College of Technology, Coimbatore**.

12. S.Sridevi, A.Kannan, “Weather Prediction using Asynchronous Periodic Pattern Mining in Temporal Databases”, ICOREM’09 ,pp.2901 -2919, 2009, held at **Anna University, Trichy**.
13. S.Sridevi , K.S.Pradeep Kumar , “Image Retrieval using Linear Genetic Programming”, NCRTIT’08, pp. 58-63, organized by KCET, Virudhunagar.
14. S.Sridevi, G.Freethy ,M.Sivakumar , “Rotation invariant texture image retrieval with steerable pyramid decomposition”, NCMIPMV’08 , pp. 45 – 49, organized by Rajalakshmi Engg College, Chennai.
15. S.Sridevi , Khanna Nehemia , Dr.A.Kannan , “Temporal Rule Mining in Clinical Databases”, NCDMA’06, pp.111 -116, organized by Annamalai University, Chidambaram.

14. No of Books Published with details:

Book Chapter: 1

P.Saranya, S.Sridevi, Dr.S.Rajaram, “Mining undemanding and intricate patterns with periodicity in time series databases”, Advances in Intelligent Systems and Computing, Springer, vol.1, pp.785 – 792, 2014.

## FACULTY PROFILE

**1. Name and Designation :** Dr.R.Suganya, Associate Professor

**2. Department :** Information Technology

**3. Date of Birth :** 28 June, 1982

**4. Unique id :** 1-488277141

**5. Education Qualification:**



Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	BE	Computer Science and Engineering	2003	R.V.S.College of Engineering	Madurai Kamaraj University	79.5%	First Class
PG	ME	Computer Science and Engineering	2005	P.S.N.A College of Engineering	Anna University	81%	First Class
Ph.D.	Ph.D	Information and Communication Engineering	2014	Thiagarajar College of Engineering	Anna University	9.95	-

**6. Work Experience:** 14 years 2 months

**Teaching :**

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Thiagarajar College of Engineering	3	8	2 year 2 months	-
P.S.N.A College of Engineering	1	-	-	-

**Research :** Medical Image Processing

**Thesis Title:** Classification and Retrieval of Ultrasound Liver Images Using Machine Learning Techniques

**Industry :**

Company Name	Nature of Work	Periods	Total No. of Years
-	-	-	-

- Others :

**7.Area of Specialization :** Medical Image Processing, Big data Analytics, Theory of Computations

**8.Courses Taught at:**

UG Level : Big Data Technologies, Software Engineering, Theory of Computations, Operating System, Graphics and visualization, Compiler Design, Data Base Management System

PG Level: Software Engineering, Information Audit and Control,

**9.Research/Project Guidance :**

**Master:** 12

Name of the scholar	Course	Area of Project	Status
P.Deepa	Computer Science and Information Security	Medical image Classification	On-going
R.Vinodhini	CS&IS	Image registration	Completed
P.Yogapriya	CS&IS	Stegnography	Completed
Kirubakaran	CSE	Dental Image classification	Completed
Ramya	CSe	Image Retrieval	Completed
Shalini	CSE	Image feature extraction	Completed
Hameed sulthan	CSE	Pattern recognition	Completed
K.Priyadharsini	CSE	Image pre-processing	Completed

**Ph.D ;** DC member for 1 Candidate

Name Of The Scholar	Course	Area Of Research	Status
A. Jesurai	ICE	Data Engineering	On-going

**10. Projects Carried out :** Nil ,

**11. Patents : Obtained :**                      **Applied :** E-2/2270/2018-CHE No: **201841028531** Date: 30.7.18

**12 : Technology Transfer :** Delivered more that 20 Key note lectures, guest lecture's in colleges and International conferences

### **13. Research Publications :**

**National Journals : 5**

**International Journals : 14**

**Conferences : 25 ( National & International Conferences)**

### **14. No of Books Published with details: 2 Books and 6 Book chapters**

#### **Books**

1. R.Suganya, S.Rajaram, A.Sheik Abdullah, “Big Data in Medical Image Processing”, CRC Press, Taylor & Francis Group, ISBN: 9781138557246 – CAT# K43320, Published on Jan 31, 2018.
2. R.Suganya, S.Rajaram, “Classification of US liver images using Machine learning Techniques”, LAMBERT Academic Publishing, Germany, ISBN: 978-3-659-59651-3, Germany. 2014.(Book).

#### **Book Chapters**

1. R.Suganya, A.Shiek Abdullah, S.Selvakumar, R.Parkavi, “Survival Analytics” Biomechanics, Intechopen.
2. R.Suganya, S.Sujitha, Security based protocol for Cloud based Communications” Book chapter for Wiley Publications (Book chapter under production)
3. A.Sheik Abdullah, S.Selvakumar, R.Parkavi, R.Suganya, A.M.Abirami, “Big Data Analytics in Healthcare Sector” Chapter 5: Machine Learning Techniques for improved Business Analytics.
4. A.Sheik Abdullah, R.Suganya, Selvakumar, S.Rajaram“Big Data Analytics in Healthcare Sector” Chapter 5: Machine Learning Techniques for improved Business analytics (291117-121631).IGI Global Publisers.2018. (Book Chapter under Production).
5. R.Suganya&S.Karthiga, “Importance of Big Data and Hadoop in E-Servicing”, E-Manufacturing and E-Service Strategies in Contemporary Organizations, IGI Global Publishers.March 14th2018. DOI: 10.4018/978-1-5225-3628-4.ch002. A volume in the Advances in E-Business Research (AEBR) Book Series.
6. R.Suganya&S.Rajaram“Applying Big Data Analytics in Bioinformatics and Medicine”,Image Processing including Medical Liver Imaging: Medical Image Processing from Big data Perspective, Ultrasound liver images, Challenges.(011216-120742) IGI Global Publishers, 2017.(Book Chapter).
7. A.Sheik Abdullah, R.Suganya, Selvakumar, S.Rajaram“Hand book of Research on Advanced Data Mining Techniques and Applications for Business Intelligence” Chapter 3: Data Classification: Its Techniques and Big Data IGI Global Publisers.2016. (Book Chapter).

## FACULTY PROFILE

1. **Name and Designation :** Dr.P.KARTHIKEYAN, Associate Professor

2. **Department :** Information Technology

3. **Date of Birth :**08.01.1981

4. **Unique id :** 1-490595537

5. **Education Qualification:** M.E., Ph.D.



Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	B.E.	CSE	2002	Raja College of Engineering and Technology, Madurai.	Madurai Kamaraj University	63	First
PG	M.E.	CSE	2004	P.S.N.A.College of Engineering and Technology, Dindigul	Anna University	71	First
Ph.D.	Ph.D.	ICE	2015	Anna University	Anna University	NA	NA

6. **Work Experience :**

**Teaching :**

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
P.S.N.A.College of Engineering and Technology, Dindigul	3	-	-	-
Thiagarajar College of Engineering, Madurai	3	7	1	-

**Research :**

**Industry :**

• **Others :**

7.**Area of Specialization :** Mobile Computing, Evolutionary Computation, Educational Tech.

8.**Courses Taught at:**

**UG Level :** All Programming Courses (C, C++, Java, Python, Web based, Mobile based),



Operating Systems, Wireless and Mobile Communication,

**PG Level :** Data Structure, Operating System, Web Technology

**9. Research/Project Guidance :**

Master :

Name Of The Scholar	Course	Area Of Project	Status
D.Dhipikaa Sri	M.E.	Genetic Algorithm for Wireless Sensor Networks	Completed
B.Jeya Priya	M.E.	Virtual Machine Live Migration	Completed
R.Monika Grace	M.E.	Genetic Algorithm for Land Partitioning	Completed
D.K.Sri Subarnaa	M.E.	Weed Identification in Agriculture using ML	Ongoing

Ph.D ;

Name Of The Scholar	Course	Area Of Research	Status
M.Manikandakumar	Ph.D	IoT Framework for Agriculture	Ongoing
T.M.Devi	Ph.D	Intelligent Health Care System	Ongoing
K.Deepalakshmi	Ph.D	Big data	Ongoing
R.Parkavi	Ph.D	M-Learning	Ongoing
J.John Shiny	Ph.D	Cloud Computing	Ongoing
R.Sasikumar	Ph.D	Security in IoT	Ongoing

**10. Projects Carried out :** Aakash R&D Project funded by MHRD through IIT Bombay Aakash Project

**11. Patents :**   **Obtained :** NIL                      **Applied :** 4

**12 : Technology Transfer :** Handled Sessions on various Colleges and University - IoT,

Mobile Application Development.

**13. Research Publications :**

**National Journals :** NIL

**International Journals :**

- Impacts of Smart Devices in Education, International Journal of Mobile Learning and Organization, vol.12, no.2, 2018
- Impact of Massive Open Online Courses and Best Practices: A Case Study on Social Network Analysis Course, National Journal of Engineering Education Transformations, vol. 31, no.3, 2018
- "Improvement in Genetic Algorithm with Genetic Operator Combination (GOC) and Immigrant Strategies for Multicast Routing in Ad Hoc Networks", LNCS - 8297, PP.481-491, 2013
- Improved genetic algorithm using different genetic operator combinations (GOCs) for multicast routing in ad hoc networks, Soft Computing (2013)17 (9), 1563-1572
- Genetic algorithm with ensemble of immigrant strategies for multicast routing in Ad hoc networks, Soft Computing, 19 (2), February (2015), 489-498

## **Conferences :**

- EIAT:Enhanced Indirect Assessment Tool for Assessing the Graduate Degree Programme Outcomes, IEEE International Conference on MITE, 2016
- Bonafide Issuing Portal in Technical Institution to Support Outcome Based Education, IEEE International Conference on MITE 2016.
- Effectiveness of Mobile Learning at TCE, India: A Learner Perspective, IEEE International Conference on T4E, 2015.
- A Mobile App in Cross Platform: G3 - Gain Grip for GRE, IEEE International Conference on T4E, 2014.
- A topology control simulator for a mobile ad hoc network, National Conference on IT, 2007.
- Home automation with security through cellular phone under GSM technology, National Seminar on Network Security, 2006.
- ETCP: Enhanced TCP for heterogeneous wireless networks, National conference on IT, 2007.
- QoS based energy efficient routing in ad hoc networks using GA, National conference on Soft Computing, 2011.
- Deployment and power assignment problem in WSN for intruder detection application using MOEA, IEEE International conference on PRIME, 2012.
- Word Poser: A mobile application using Android, IEEE International conference on HCI, 2013.
- An Efficient Prediction Model using Multi Swarm Optimization Empowered by Data Classification for Type-II Diabetes, ICBAI, Indian Institute of Management (IIM) Bangalore.
- Improving the performance of genetic zone routing protocol using genetic operators, IEEE International conference on CICR, 2011.

## **14. No of Books Published with details :**

Editor of Book titled "Applications of Security, Mobile, Analytic, and Cloud (SMAC) Technologies for Effective Information Processing and Management", IGI Global Book Publishers  
(<https://www.igi-global.com/book/applications-security-mobile-analytic-cloud/182365>)

## FACULTY PROFILE



**1. Name and Designation :** K.V.Uma & Assistant Professor

**2. Department :** Information Technology

**3. Date of Birth :** 13-02-1981

**4. Unique id :** 1-490595563

**5. Education Qualification:**

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	B.E	Computer Science and Engineering	2002	Sona College of Technology	Periyar University	75.167	First Class with Distinction
PG	M.E	Computer Science and Engineering	2010	Thiagarajar College of Engineering	Anna University	9.27	First Class with Distinction
Ph.D.	Pursuing	Information and Communication Engineering			Anna University		

**6. Work Experience :**

**Teaching :**

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Thiagarajar College of Engineering		8 years 9 months		

**Research :** 7 years in the area of Data Mining

**Industry :**

Company Name	Nature of Work	Periods	Total No. of Years

- Others :

**7.Area of Specialization :** Data Mining, Database Management System, Design and Analysis of Algorithms,

**8.Courses Taught at:**

UG Level :Digital System Design,Computer Organization,Database Management System,Data Mining,Design and Analysis of Algorithms,Compiler Design,Software Testing

PG Level :-Nil

**9.Research/Project Guidance :**

**Master ;**

Name of the scholar	Course	Area Of Project	Status
V.Shanmathy(14IS11)	M.E(Computer Science and Information Security)	A Combined Classification Algorithm based on C5.0 and NB to predict Lung Cancer	Completed
K.Pandiselvi(15IS009)	M.E(Computer Science and Information Security)	Classification of Noisy dataset using Credal C4.5 Algorithm	Completed
E.Sharon Blessie(17IS006)	M.E(Computer Science and Information Security)	Detection of Chronic Kidney disease using Feature selection and Classification algorithms	Ongoing

Ph.D ;

Name Of The Scholar	Course	Area Of Research	Status

**10. Projects Carried out :Nil**

**11. Patents : Obtained : Nil                      Applied :Nil**

**12 : Technology Transfer :**

a."Innovative Teaching Methods" for Polytechnic Faculties in AICTE Sponsored one week STC on Design Thinking for Academic Excellence through Language at Thiagarajar College of Engineering held during 02-02-2018 to 02-02-2018

b."Combinational Logic" at Anna University Regional Centre Madurai held during 12-12-2013 to 12-12-2013

### **13. Research Publications :**

#### **National Journals :**

1.Classification of Adverse Event Thyroid Cancer using Naïve Entropy and Association Function, Indian Journal of Science and Technology, Vol 9(4), DOI: 10.17485/ijst/2016/v9i4/87042, January 2016, ISSN (Print) : 0974-6846ISSN (Online) : 0974-5645

#### **International Journals ;**

1.Improving the Classification accuracy of Noisy Dataset by Effective Data Preprocessing ,IJCA,Volume 180 - Number 36,DoI : 10.5120/ijca2018916908

2. Classifier Model Using Renyi Entropy for Prediction of Adverse Event Thyroid Cancer International Journal of Printing, Packaging & Allied Sciences, Vol. 4, No. 3, December 2016, ISSN 2320-4387 |

3. K.V.Uma Prediction of Adverse Drug Reactions due to Drug-Drug Interactions Using Probability Analysis,International Journal of Data Mining and Knowledge Engineering,2012- ISSN 0974 9683

#### **Conferences :**

1.K.V.Uma,"Set based Similarity Measure for user based collaborative filtering Recommendation System",Springer -International Conference on Computer Networks,Big data and IOT,December 19-20,2018

2.K.V.Uma,S. Pudumalar,E.Sharon Blessie,"A Combined Classification Algorithm based on C5.o and NB to predict Chronic Obstructive Pulmonary disease",IEEE International Conference on Computational Intelligence and Computing Research,December 13-15,2018

3.K.V.Uma,E.Sharon Blessie ,"Survey on Android Malware detection and protection using Data Mining algorithms",International conference on I-SMAC(IOT in Social,Mobile,Analytics,Cloud),30-31 August 2018

4. K.V.Uma, S.Haseena Banu,E.Krishnapriya, K.S.Ramya , ”A Survey on Various Entropies Used in Classification algorithms “ National Conference on Big Data Analytics and Mobile Technologies (NCBM 2017),24-25 March2017.

5.K.V.Uma , K.Pandiselvi,“Enhancement of AHP-Apriori Algorithm for Association Rule Mining of the Healthcare Data” International Conference On IoT, Data Science and Security, 5-7 January, 2017

6. K.V.Uma,S.Pudumalar,T.S.B.Akshara,R.Nandhini,”Predicting the chances of offering scholarship to students, International Conference on Business Analytics and Intelligence”, IISc, Bangalore during 19th – 21st Dec 2016

7. P.Karthikeyan ,K.V.Uma,A.M.Abirami,M.Thangavel “Efficient Assessment Methods for Improving the Programme Outcomes of Undergraduate - Information Technology Programme in India” Fourth IEEE International Conference on MOOCs, Innovation and Technology in Education (MITE'16),9-10 Dec,2016

8. K.V.Uma,C.R.Shiyamala Devi,Vinmugil ,“Analyze Various Data Mining Clustering Algorithms For Pharmacy Dataset”, International Conference on Business Analytics and Intelligence, IISc, Bangalore during 19th – 21st Dec 2016
9. K.V.Uma,K.Pandiselvi, “Survey on Association Rule Mining Algorithms “,International Conference on Engineering and Technology (ICET),Dec2016
10. PREDICTION OF STUDENTS PLACEMENT USING LOGISTIC REGRESSION,Third International Conference on Business Analytics and Intelligence ,26-12-15 to 28-12-15,IIM Bangalore
11. Effectiveness of Mobile Learning at TCE, India: A Learner Perspective, IEEE International Conference on T4E, 2015.
12. Identification of Factors causing Breast Cancer using Maximum Likelihood Estimation and Varimax Rotation,National conference onFrontiers in Applied Sciences and Computer Technology,NIT,Trichy,March -2015
13. Classification of Adverse drug reactions using Improved decision tree algorithm,Second International conference on Big data and analytics in healthcare- 2014
14. Enhancing the accuracy of Improved ID3 Algorithm Using Feature Selection Technique, ICEISMS 2013
15. K.V.Uma Enhancing the Prediction of Adverse Drug Reactions by Data Pre-processing and Feature Selection,International Conference on Design and Application of Structures, Drives, Communicational and Computing Systems ,Vol-1
16. K.V.Uma Classification of unanticipated episodes by temporal association,National Conference on Imaging,Computing,Object and Mining ,511-517
17. K.V.Uma Mining unexpected temporal association detecting adverse drug reactions,International Conference on Bio Informatics and Systems Biology ,34
18. K.V.Uma Associative Classification Of Infrequent Items On Temporal Data,NCKDDM 11,

**14. No of Books Published with details :Nil**

## FACULTY PROFILE

**1. Name and Designation :** Dr.A M Abirami, Assistant Professor

**2. Department :** Information Technology

**3. Date of Birth :** 09-May-1977

**4. Unique id :** 1-1556323671

**5. Education Qualification:**



Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	BE	Computer Science	1999	Govt. College of Technology, Coimbaore	Bharathiyar University	84%	First class with Distinction
PG	ME	Computer Science	2010	Raja College of Engineering, Madurai	Anna University of Technology Tirunelveli	86%	First class with Distinction
Ph.D.	ICE	Computer Science	2018	Anna University Chennai	Anna University Chennai	Degree Awarded	Anna University Chennai

**6. Work Experience:**

**Teaching :**

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
KLN College of Engineering	1	NA	NA	NA
Thiagarajar College of Engineering Madurai		8 years 9 months		

**Research :**

**Industry :**

Company Name	Nature of Work	Periods	Total No. of Years
Tata Consultancy Services Ltd	IT Analyst	June 1999 to June 2006	7

- Others :

## 7.Area of Specialization :

## 8.Courses Taught at:

UG Level :

Data Structures and Algorithms, Free Open Source Software:Practice,  
Engineering Design, Software Engineering, Software Testing

PG Level :

## 9.Research/Project Guidance :

Master ;

Name of the scholar	Course	Area Of Project	Status
C.Mahalakshmi	Project	Text Analytics	Completed
V. Gayathri	Project	Recommender Systems	Completed

Ph.D ;

Name Of The Scholar	Course	Area Of Research	Status

## 10. Projects Carried out :

## 11. Patents : Obtained :                      Applied :

## 12 : Technology Transfer :

## 13. Research Publications :

### National Journals:

- A.M.Abirami, A.Askarunisa, M.Gowsalya Jeyalakshmi, K.Gayathri, Paper titled “Social Media Sentiment Analysis for TamilNadu tourism using VIKOR approach”, International Journal of Artificial Intelligent Systems and Machine Learning”, May 2015
- M Palaninatha Raja and A M Abirami, Performance Excellence Model for Engineering Education - An Enabler for Sustaining Quality, The Journal of Engineering Education Transformations, Vol.No.28,No.2,2015,pp.122-130
- M Palaninatha Raja, AM Abirami, Measurement of Ethics among Engineering Students, Journal of Engineering Education Transformations, vol. 30 (3), pp. 293-303, 2017



- AM Abirami, P Kiruthiga “Collaborative Learning Tools for Data Structures”, Journal of Engineering Education Transformations, vol. 31 (3), pp. 79-83, 2018.
- A Sheik Abdullah, N Gayathri, AM Abirami, R Parkavi, “A Statistical Approach for setting SLO Targets over Outcome Based Education-A Case Study”, Journal of Engineering Education Transformations, 2018.
- AM Abirami, A Askarunisa, TSB Akshara, G Prasannashree, K Priyanga, K Sarika, “Context-based Feature Extraction Technique–LSI vs LDA”, Data Mining and Knowledge Engineering, vol. 10 (5), pp. 85-92.

#### **International Journals:**

- Abirami, AM & Askarunisa, A 2016, ‘Feature based sentiment analysis for service reviews’, Journal of Universal Computer Science, vol. 22, no. 5, pp. 650-670. ISSN: 0948-695X. Impact Factor - 0.684.
- Abirami, AM & Askarunisa, A 2017, ‘Sentiment analysis model to emphasize the impact of online reviews in healthcare industry’, Online Information Review, Emerald Publishing, vol. 41, no. 4, pp. 471-486. ISSN: 1468-4527. Impact Factor - 1.919.

#### **International Conferences**

- P.Karthikeyan, A M Abirami, M Thangavel, “Blended learning practices for improving the affective domain of K-12 learners of Madurai District, TN”, 16th International Conference on Remote Engineering and Virtual Instrumentation, Bengaluru, Feb 3-6, 2019, pp. 587-598.
- Divya Asok, AM Abirami, Nisha Angeline, Raja Lavanya, “Active Learning Environment for Achieving Higher-Order Thinking Skills in Engineering Education”, IEEE Conference MITE 2016
- A.Sheik Abdullah, A.M.Abirami, M.Lavanya, "Efficient predictive model for the attainment of learning objectives using statistical techniques" Fourth International Conference on Business Analytics and Intelligence, ICBAI -2016, 19 - 21 December, IISC Bangalore
- Abirami, AM, Askarunisa, A, SanthanaPreethi, J & Sathyapriya, G 2015a, ‘Sentiment Analysis for strategic service quality approach using online user reviews’, Third International Conference on Business Analytics and Intelligences at IIM Bangalore BAICONF 15.
- Abirami, AM, Askarunisa, A, Santhana Preethi, J & Sathyapriya, G 2014 ‘Resolving conjunctions in Sentiment Analysis for Online Customer Reviews’, Second International Conference on Business Analytics and Intelligence at Indian Institute of Science IISC Bangalore.
- Abirami, AM, Askarunisa, A, Nithish, R, Sabarish, S & Navaneethkishen, M 2013, ‘An Ontology based Sentiment Analysis for mobile products using tweets’, Fifth International Conference on Advanced Computing (ICoAC), Anna University Chennai.

#### **14. No of Books Published with details:**

- AM Abirami, A Askarunisa, Shiva Shankari RA, R Revathy, “Ontology Based Feature Extraction From Text Documents”, Book Chapter in Applications of Security, Mobile, Analytic, and Cloud (SMAC) Technologies for Effective Information Processing and Management, IGI Global, pp. 174-195, 2018.
- AM Abirami, A Sheik Abdullah, A Askarunisa, S Selvakumar, C Mahalakshmi, “Sentiment Analysis”, Book Chapter in Handbook of Research on Advanced Data Mining Techniques and Applications for Business Intelligence, pp. 162-174, IGI Global, 2017.
- A Sheik Abdullah, S Selvakumar, AM Abirami, “An Introduction to Data Analytics: Its Types and Its Applications”, Book Chapter in Handbook of Research on Advanced Data Mining Techniques and Applications for Business Intelligence, pp. 1-14, IGI Global, 2017.

## FACULTY PROFILE

1. Name and Designation : S.Karthiga Assistant Professor

2. Department : IT Department

3. Date of Birth : 26.06.1988

4. Unique id : 1-1556352901

5. Education Qualification:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	B.E	CSE	2009	Karunya university	Karunya university	76	A
PG	M.E	CSE	2011	SNS College of Technology	Anna University	92	A
Ph.D.		I&E	Pursuing				

6. Work Experience : 7

Teaching :

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Bannari Amman College of Engineering		1		

Research :

Industry :

Company Name	Nature of Work	Periods	Total No. of Years

Others :

7.Area of Specialization : Data Mining, Big Data Analytics

8.Courses Taught at:



**UG Level :**

- Java Programming
- Android Mobile Application Development
- Web Technologies
- Data Mining

**PG Level :****9. Research/Project Guidance :****Master ;**

<b>Name of the scholar</b>	<b>COURSE</b>	<b>AREA OF Project</b>	<b>STATUS</b>
R.Vinoth	M.E CSIS	Data Mining	Completed
A.Susmitha	M.E CSIS	Recommender Systems	Completed
K.Priyanka	M.E CSIS	Big Data Analytics	Completed

**Ph.D ;**

<b>Name of the scholar</b>	<b>COURSE</b>	<b>AREA OF RESEARCH</b>	<b>STATUS</b>

**10. Projects Carried out : 2****11. Patents : Obtained :                      Applied :****12 : Technology Transfer :**

1. Anna University Approved FDTP "IT 6006 - Data Analytics" at PSNA College of Engineering and Technology on 23.06.2017
2. Two Days Workshop on "Android Development" at MS University, Tirunelveli on 06.11.2017 - 07.11.2017
3. Anna University Sponsored Faculty Development Programme on "CS 6501 - Internet Programming" at University College of Engineering, Dindugal on 22.5.2017 - 25.5.2017
4. TEQIP Sponsored FDP on "Hands Training on Hadoop" 15 – 16th July 2016 at TCE on 15 – 16th July 2016

5. DST - SERB Sponsored 5 days Short Term Training on "Big Data and IoT : The Strategies for Smart Environments" at TCE on 17.2.2017 - 21.02.2017

**13. Research Publications :**

**National Journals : 3**

**International Journals ; 3**

**Conferences : 6**

**14. No of Books Published with details :**

1. S.Karthiga and Dr.R.Suganya, "Importance of Big Data and Hadoop in E-Servicing", E-Manufacturing and E-Service Strategies in Contemporary Organizations, IGI Global

## FACULTY PROFILE



1. **Name and Designation** : K.Indira, Assistant Professor
2. **Department** : Information Technology
3. **Date of Birth** : 21.02.1985
4. **Unique id** : 1-1556323676
5. **Education Qualification** : M.E., (Ph.D)
6. **Work Experience:**

### Teaching:

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Thiagarajar College of Engineering	0	6 years 8 months	0	0

**Research:** 7 years in the area of Cloud Computing and Datamining

### Industry:

COMPANY NAME	NATURE OF WORK	PERIOD	DETAILS
Reliance Jio,Bangalore	Resource person in IOT-Cloud Workshop	November 2018	Worshop
Mirox Cybersecurity & Technology Private Limited, Kerala	UG : II Year, PG: I & II Year, Other College Students	17-03-2017 to 17-03-2017	Workshop & Guest Lecture - Tecuthsav'17

7.**Area of Specialization:** Cloud Computing, Data analytics with Java Programming

### 8.Courses Taught at:

#### UG Level:

- C# and NET Framework
- Cloud Computing
- System Administration
- Java Programming and Distributed System

## 9. Research/Project Guidance :

Name of the scholar	COURSE	AREA OF Project	STATUS
Archana	M.E CSIS	Cloud computing	Completed
Vennilla	M.E CSIS	Recommender System	Completed
Ramaya	M.E CSIS	Cloud Computing and Recommender system	Completed

**10. Projects Carried out :Nill**

## 12. Technology Transfer :

Topic	Deliverd At	Period
Open-MP programming in Windows and Open Source	Thiagarajar College of Engineering	15-10-2015 to 16-11-2015

### National Journals:

1. **International Journals ; UPRS: User Preferences-based Recommendation System for Big Data Application in I J C T A**, (International Journal of Control Theory and Applications, 9(2) 2016, pp. 1-13
2. K.Indira "Stateof Art Survey on Recommender System:Techniques and Issues", International Journal of Scientific Progress and Research (IJSPR) Vol.16,October 2015.
3. K.Indira, Performance Analysis and Optimization in Multi Cloud Loosely MTC Applications, Asian Journal of Computer Science and Technology (AJCST) Asian Journal of Computer Science and Technology (AJCST), Jan-July 2012 Edition.

1. Title: Identification of Profile-Injection Attacks in Recommendation System, Conference Name: International Conference on Intelligent Data Communication Technologies an Internet of Things (ICICI),2018

2. Title: "A novel framework for cloud service recommendation", Conference Name:2017 IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI)
3. Paper Published in IEEE Conference named as "Systematic Approach for Cold Start Issues in Recommendations System" in Fifth International Conference On Recent Trends In Information Technology April 08 & 09, 2016(Friday & Saturday)
4. A Survey To Alleviate An Effective Recommender System,IEEE Conference organised by Rathinam Engineering College,Coimbatore ,17-03-2016 to 18-03-2016
5. In IEEE 2016 International Conference on Recent Trends in Information Technology (ICRTIT) published a paper named as "Systematic approach for cold start issues in recommendations system"
6. "Effective Integrated Parallel Distributed Processing Approach in Optimized Multi-cloud computing Environment", Proceeding on Sixth International Conference on Advanced Computing (ICoAC), MIT Chennai, pp.1-10, 2014

#### **14. No of Books Published with details :**

1. Chapter Title Identification of Profile-Injection Attacks in Recommendation System,Copyright Year 2019,Copyright HolderName Springer Nature Switzerland AG,© Springer Nature Switzerland AG 2019.[https://doi.org/10.1007/978-3-030-03146-6\\_169](https://doi.org/10.1007/978-3-030-03146-6_169)
2. Book Chapter title: "Monitoring and Auditing in the Cloud" (DOI:10.4018/978-1-5225-3038-1.ch005), Book Title: Cloud Computing Technologies for Green Enterprises, IGI Global <https://www.igi-global.com/chapter/monitoring-and-auditing-in-the-cloud/189380>
3. Book Chapter title: "Green Cloud Computing" (DOI:10.4018/978-1-5225-3038-1.ch005), Book Title: Cloud ComputingTechnologies for Green Enterprises, IGI Global Url: <https://www.igi-global.com/book/cloud-computing-technologies-green-enterprises/179339>
4. Published a chapter named as "Resource Scheduling for Big Data on Cloud:Scheduling Resources" in the Hand Book of "Managing and Processing Big Data in Cloud Computing" in IGI Publication, 2016



## FACULTY PROFILE

1. **Name and Designation** : A.Sheik Abdullah, Assistant Professor
2. **Department** : Information Technology
3. **Date of Birth** : 01/09/1987
4. **Unique id** : 1-1545390094
5. **Education Qualification:**



Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	B.E	Computer Science & Engineering	2010	Bharath Niketan Engineering College	Anna University	80	First Class with Distinction
PG	M.E	Computer Science & Engineering	2012	Kongu Engineering College	Anna University	8.6	First Class with Distinction
Ph.D.							

6. **Work Experience:** 6.2 Years

**Teaching :**

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Thiagarajar College of Engineering		6.2		

**Research :** Pursuing

**Industry :**

Company Name	Nature of Work	Periods	Total No. of Years

**Others :**

7. **Area of Specialization :** Data Analytics, Machine Learning, Soft Computing

8. **Courses Taught at:**

**UG Level :**

- Data Warehousing
- Information Systems
- Computer Programming II
- Free Open Source Software (FOSS)
- Object Oriented Programming with C++
- Data Analytics (T/P)
- Data Science
- Object Oriented Systems Design
- Big Data Technologies
- Information Retrieval
- Engineering by Design

**PG Level :**

- Data Analytics
- Algorithm Design Techniques

**9. Research/Project Guidance :****Master ;**

Name of the scholar	COURSE	AREA OF Project	STATUS
Ramya C	CSIS	Machine Learning	Completed
Aparna Preethi K	CSIS	Machine Learning	Completed

**Ph.D ;**

Name of the scholar	COURSE	AREA OF RESEARCH	STATUS

**10. Projects Carried out : e-Governance Projects****11. Patents : Obtained :                      Applied :****12 : Technology Transfer :****13. Research Publications :****National Journals :****International Journals ;**

1. A.Sheik Abdullah, N.Gayathri, S.Selvakumar, "Identification of the Risk Factors of Type II Diabetic Data Based Support Vector Machine Classifiers upon Varied Kernel Functions", Lecture Notes in Computational Vision and Biomechanics, (LNCVB, volume 28), 20 February 2018.
2. Suganya. R, Rajaram. S, Sheik Abdullah. A & Rajendran. V, "A Novel Feature Selection method for Predicting Heart Diseases with Data mining Techniques", paper published in Asian Journal of Information Technology (AJIT), volume:15, Issue:8, PP.NO: 1314- 1321, 2016. DOI: 10.3923 [Scopus Indexed]
3. R.Suganya, S.Rajaram, A. Sheik Abdullah, "Prediction of heart diseases using hybrid feature selection and modified Laplacian pyramid non-linear diffusion with soft computing methods", International Journal of Biomedical Engineering and Technology, INDERSCIENCE, 2017 DOI: 10.1504/IJBET.2017.10007482 Impact Factor 0.6. [SCI Expanded Scope]
4. A. Sheik Abdullah, N. Gayathri, A. M. Abirami, R. Parkavi, "A Statistical Approach for setting SLO Targets over Outcome Based Education-A Case Study", Journal of Engineering Education Transformations, 2018.
5. R. Parkavi,P. Karthikeyan, A. Sheik Abdullah, "Impact of Massive Open Online Courses and Best Practices: A Case Study on Social Network Analysis Course", Journal of Engineering Education Transformations, Vol.31, No.3, 2018.
6. A.Sheik Abdullah, S.Sridhar, "AN AUTOMATION SYSTEM FOR TRACKING COMMUNITY CERTIFICATE", International Journal on Computational Sciences & Applications (IJCSA) Vol.5, No.2, April 2015.
7. A.Sheik Abdullah A Data Mining Model to predict and analyze the events related to Coronary Heart Disease using Decision Trees with Particle Swarm Optimization for Feature Selection,IJCA ,Vol. 55, No. 8, pp. 49-55, October 2012.
8. A.SheikAbdullah, R.R. Rajalaxmi A Data Mining Model for predicting the Coronary Heart Disease using Random Forest Classifier,IJCA ,Vol. 3, pp. 22-25, April 2012.

#### **Conferences :**

1. A.Sheik Abdullah, S.Selvakumar, R.Varshini, C.Nivetha Devi, "An Ensemble model for Predictive Analytics in Clinical data sets", Conference on Research Issues in Computing (CRIC 015), PSG College of Technology, Coimbatore - 641 004.
2. A.Sheik Abdullah, S.Selvakumar, P.Karthikeyan, M.Mahesh, "AN EFFICIENT PREDICTION MODEL USING MULTI SWARM OPTIMIZATION EMPOWERED BY DATA CLASSIFICATION FOR TYPE II DIABETES", Third International Conference on Business Analytics and Intelligence, **Indian Institute of Management**, Bangalore. [Date: 17 – 19 December 2015]
3. A.Sheik Abdullah, S.Selvakumar, S.Ramya, "Estimating the Predictive Performance Analysis of Medical Data Using Weight Based Decision Trees", Fourth International Conference on Business Analytics and Intelligence", **IISC Bangalore**, [19-21 December 2016].

4. A.Sheik Abdullah, S.Selvakumar, M. Jaganathan, C. Senthil, M. Selvaganesh, V. Siddarth, R.Suganya, "Classification in medical data using type 2 fuzzy logic system with adaptive swallow swarm optimization", Fourth International Conference on Business Analytics and Intelligence", **IISC Bangalore**, [19-21 December 2016].
5. A.Sheik Abdullah, V.Priyadharsini, C.Reshma,S.Vinojkannan, N.T.Tejas Prabhu, R.Suganya, S.Selvakumar, "A Hybrid Preddictive model using Feed forward Neural Network with swarm intelligence technique in medical data", ICBAI 2016, 19-21 December, **IISC, Bangalore**.
6. A.Sheik Abdullah, A.M.Abirami, M.Lavanya, "Efficient predictive model for the attainment of learning objectives using statistical techniques" Fourth International Conference on Business Analytics and Intelligence, ICBAI -2016, 19 - 21 December, **IISC Bangalore**.
7. R.Suganya, S.Rajaram, A.Sheik Abdullah, V.Rajendran, "Classification of Cardiac disease using hybrid Support Vector Machine", Fourth International Conference on Business Analytics and Intelligence, ICBAI -2016, 19 - 21 December, **IISC Bangalore**.
8. R.Suganya, K.Angaleeswari, A.Sheik Abdullah, S.Rajaram, T.Senthil Kumar, "Application of Big Data in Intelligent Transportation system using modified Kruskal's Algorithm, Fourth International Conference on Business Analytics and Intelligence, ICBAI -2016, 19 - 21 December, **IISC Bangalore**.
9. A.Sheik Abdullah, S.Selvakumar, C.Ramya, V.Priyadharsini, C.Reshma, "A Survey on Evolutionary Techniques for Feature Selection", ICEDSS 2017, during March 4, 2017. [**IEEE explore**].
10. A.Sheik Abdullah , N.Gayathri, S. Selvakumar "Predictive Performance analysis of Type II Diabetic data based Support Vector Machine Classifiers upon varied kernel functions **Springer - Lecture Notes in Computational Vision and Biomechanics [Scopus Indexed]**
11. A.Sheik Abdullah, N.Gayathri, S.Selvakumar, "Determination of the Risk of Heart Disease using Neural Network Classifier", National Conference on Big Data Analytics and Mobile Technologies (**NCBM 2017**) at Thiagarajar College of Engineering, during March 24-25, 2017, Madurai.
12. A.Sheik Abdullah, R.Varshini, J.P. Niveditha, "Sentiment Analysis of Movie Reviews using Twitter data", International Conference on Big data and Data Analytics, organized by the Department of Computer Science and Institute for Engineering Research and Publication, (SCSVMV) during April 12-13 2017.
13. A.Sheik Abdullah, S.Selvakumar, V.Rishi Kumar, M.Venkatesh, R.Parkavi, "A Hybrid Decision Support Model for Type II Diabetes", International Conference on Advances in Computing, Communications and Informatics (ICACCI), September 19 - 22, PES University, 2018 DOI: 10.1109/ICACCI.2018.8554514 **IEEE Xplore**.

14. A.Sheik Abdullah, K.Gokul Karthik, S.Selvakumar, "A Framework for Medical Big data Processing: An Art of Survey", 10th INTERNATIONAL CONFERENCE ON ADVANCED COMPUTING, Anna University MIT Campus, December 13-15, 2018, IEEE Xplore.

#### **14. No of Books Published with details :**

1. A.Sheik Abdullah, R.Suganya, S.Selvakumar, S.Rajaram, "Data Classification: Its Techniques and Big data", Handbook of Research on Advanced Data Mining Techniques and Applications for Business Intelligence, IGI Global, ISBN: 978-1-5225-2031-3 eISBN: 978-1-5225-2032-0 DOI: 10.4018/978-1-5225-2031-3.ch003.
2. R.Suganya, S.Rajaram, A.Sheik Abdullah, "Big data in Medical Image Processing", CRC Press, Taylor and Francis, ISBN 9781138557246 - CAT# K43320, March 2018.
3. A.Sheik Abdullah, S.Selvakumar, A.M.Abirami, "An Introduction to Data Analytics: Its Types and Its Applications", Handbook of Research on Advanced Data Mining Techniques and Applications for Business Intelligence, IGI Global, ISBN: 978-1-5225-2031-3, DOI: 10.4018/978-1-5225-2031-3.ch001.
4. A.Sheik Abdullah, S.Selvakumar, C.Ramya, "Descriptive Analytics", Applying Predictive analytics within the service sector, IGI Global, DOI: 10.4018/978-1-5225-2148-8.ch006.
5. A.M.Abirami, A.Sheik Abdullah, S.Selvakumar, "Sentiment Analysis", Handbook of Research on Advanced Data Mining Techniques and Applications for Business Intelligence, IGI Global, ISBN: 978-1-5225-2031-3 DOI: 10.4018/978-1-5225-2031-3.ch009
6. R.Parkavi, A.Sheik Abdullah, "Mobile Devices in the Classroom", Handbook of Research on Mobile Devices and Smart Gadgets in K-12 Education, DOI: 10.4018/978-1-5225-2706-0.ch012. [Scopus Indexed]
7. R.Parkavi, A.Sheik Abdullah, C.Priyanka, "Cloud Computing Technologies for Green Enterprises: Fundamentals of Cloud Computing for Green Enterprises, IGI Global, DOI: 10.4018/978-1-5225-3038-1.ch001
8. R.Parkavi, C.Priyanka, S.Sujitha, A.Sheik Abdullah, "Mobile Cloud Computing: Applications and Prespectives", IGI Global, DOI: 10.4018/978-1-5225-4044-1.ch006.
9. A.Sheik Abdullah, S.Selvakumar, AM.Abirami, R.Parkavi, R.Suganya, "Big data Analytics in Healthcare Sector", for the book Machine Learning Techniques for Improved Business Analytics, IGI Global, DOI: 10.4018/978-1-5225-3534-8.ch005.
10. A.Sheik Abdullah, S.Selvakumar, R.Parkavi, R.Suganya, M.Venkatesh, "An Introduction to Survival Analytics, Types, and Its Applications", Biomechanics, Intech Open Publishers, UK. DOI: <http://dx.doi.org/10.5772/intechopen.80953>, 2019.

## FACULTY PROFILE



1. **Name and Designation** : R. Parkavi, Assistant Professor
2. **Department** : Information Technology
3. **Date of Birth** : 28/03/1989
4. **Unique id** : 1-1543338343
5. **Education Qualification** :

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks/ Grades Obtained	Class Obtained
UG	B.Tech	IT	2010	Sree Sowdambika College of Engineering	Anna University	80	First Class with Distinction
PG	M.E	CSE	2012	Thiagarajar College of Engineering	Anna University	9.2	First Class with Distinction
Ph.D	Ph.D	ICE					

### 6. Work Experience:

#### Teaching:

Name of the College	Years of Experience			
	As Lecturer	As Assistant Professor	As Associate Professor	As Professor
Thiagarajar College of Engineering	-	6	-	-

**Research:** 2 years

**Industry :**

**Others :**

### 7. Area of Specialization:

- Biometrics,
- Educational Technology,
- Learning Analytics

## 8. Courses Taught at:

### UG Level:

- Digital System Design
- Computer Organization
- Computer Networks
- Computer Forensics
- Social Network Analysis
- Information Security & Auditing Management.

### PG Level:

- Network Security

## 9. Research/Project Guidance:

### Master:

Name of the Scholar	Course	Area of Project	Status
Vinoth Kumar	M.E (CSIS)	Security	Completed
C.Priyanka	M.E (CSIS)	Cloud Computing	Completed

### Ph.D ;

## 10. Projects Carried out:

## 11. Patents: Obtained:                      Applied:

## 12. Technology Transfer:

## 13. Research Publications:

### National Journals:

### International Journals;

1. R. Parkavi, P. Karthikeyan, S. Sujitha, A. Sheik Abdullah, "Impact of Massive Open Online Courses and Best Practices: A Case Study on Social Network Analysis Course", Journal of Engineering Education Transformations, Vol.31, No.3, Jan 2018.
2. A. Sheik Abdullah, N. Gayathri, A. M. Abirami, R. Parkavi, "A Statistical Approach for setting SLO Targets over Outcome Based Education-A Case Study", Journal of Engineering Education Transformations, Jan, 2018.

3. R. Parkavi, K. R. Chandeesh Babu, "Cancelable Biometrics Using Geometric Transformations and Bio Hashing", Lecture Notes in Computational Vision and Biomechanics, (LNCVB, volume 28), 20 February 2018.

**Conferences:**

1. Energy Audit-Forecasting Energy by Implementing ARIMA Model to the Energy Consumption Dataset in 2<sup>nd</sup> International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-2019), NIT, Warangal, February 15-16, 2019.
2. A Social Network Analytic Model for exploring the behavioral interactions among School Students, 6<sup>th</sup> International Conference on Business Analytics and Intelligence (ICBAI), IISc Bangalore, Dec 20-22, 2018.
3. Comparison of Machine Learning Algorithms- Opinion Mining for Social Network Data, Ninth International Conference On Advanced Computing (ICOAC), MIT Campus, Anna University, Chennai, Dec 14-16, 2017.
4. Analysing Human Social Relationships Based on Call Detail Record ,4th International Conference on Advancement in Engineering, Applied Science and Management (ICAEASM-2017), Centre for Development of Advanced Computing, Juhu, Mumbai, Maharashtra, 08 October 2017.
5. Cancelable Biometrics Using Geometric Transformations and Bio Hashing, International Conference on Computer Vision and Bio Inspired Computing Organized by Inventive Research Organization and RVS Technical Campus, Coimbatore, India. September 21-22, 2017.
6. Simulator for Teaching Computer Organization: EDUMIPS, National Conference on Big Data Analytics and Mobile Technologies (NCBM 2017), Mar 24-25, 2017
7. A Survey on Handover Authentication for Mobile Cloud Computing, International Conference on Computing Technologies, (ICONCT'17), Mar 16-17, 2017
8. Multimodal Biometrics for User Authentication, 11th International Conference on Intelligent Systems and Control (ISCO), Jan 5-6, 2017. Published in IEEE.
9. ICT and ALS for Information Technology Programme Courses to Implement OBE: A Survey in the Fourth IEEE International Conference on MOOCs, Innovation and Technology in Education - MITE2016, held at Thiagarajar College of Engineering, Madurai, Dec 9-10, 2016, Published in IEEE.



10. A Weblet Scheduler Model for Augmenting the Computing Capabilities of Mobile Devices with Cloud Computing, International Conference on Modeling, Optimizing and Computing, ICMOC,2012
11. Ant Colony Optimization with Genetic Programming for Web Mining in the National Conference on Recent Trends in Soft computing, held at Thiagarajar School of Management, Feb 27, 2010.

**14. No of Books Published with details:**

1. Book Title: Cloud Computing Technologies for Green Enterprises, Book Chapter Title: Fundamentals of Cloud Computing for Green Enterprise, ISBN: 9781522530398, Publisher: IGI Global,2018.
2. Book Title: Applications of Security, Mobile, Analytic and Cloud (SMAC) Technologies for Effective Information Processing and Management, Book Chapter Title: Mobile Cloud Computing-Applications Perspective, ISBN: 280517-043241, Publisher: IGI Global,2018. (Accepted for Publication)
3. Book Title: Handbook of Research on Program Development and Assessment Methodologies in K-20 Education, Book Chapter Title: Implications for E-Learning in Adult Education Curriculum, ISBN: 9781522531333, Publisher: IGI Global,2018.
4. Book Title: Handbook of Research on Mobile Devices and Smart Gadgets in K-12 Education, Book Chapter Title: Mobile Devices in the Classroom, ISBN: 9781522527077, Publisher: IGI Global,2018. (Indexed in SCOPUS)
5. Book Title: Cybersecurity Breaches and Issues Surrounding Online Threat Protection, Book Chapter Title: Cybercrime Investigation, ISBN: 9781522519423, Publisher: IGI Global,2017. (Indexed in SCOPUS)

## FACULTY PROFILE



1. **Name and Designation** : T.Manju, Assistant Professor
2. **Department** : Information Technology
3. **Date of Birth** : 27-08-1988
4. **Unique id** : 1-1545321619
5. **Education Qualification** :

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	B.E	Computer Science and Engineering	2010	Vins Christian college of Engineering	Anna University	79%	First class with Distinction
PG	M.E	Computer Science and Engineering	2012	Thiagarajar college of Engineering	Anna University	8.7 CGPA	First class with Distinction
Ph.D.		Information and communication Engineering	Pursuing	Thiagarajar college of Engineering	Anna University	-	-

### 6. Work Experience:

#### Teaching:

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Vickram college of Engineering	0.5	-	-	-
Thiagarajar college of Engineering	-	6	-	-

#### Research :

#### Industry :

Company Name	Nature of Work	Periods	Total No. of Years
Kewaunee Labway solutions	Corporate social Relationship	Monthly	2 years

- Others :

7. **Area of Specialization:** Cognitive Sciences  
Virtual Reality

8. **Courses Taught at:**

**UG Level:**

- Artificial Intelligence,
- Computer Vision,
- Virtual Reality & its Advancements

**PG Level:**

- Multimedia Mining

9. **Research/Project Guidance:**

**Master ;**

Name of the scholar	COURSE	AREA OF Project	STATUS
K. Suveetha	Ensuring confidentiality of cloud data using homomorphic encryption	Cloud Computing	Published paper in Indian Journal of Science and Technology.

**Ph.D ;**

Name of the scholar	COURSE	AREA OF RESEARCH	STATUS

10. **Projects:** Carried out: DST-CSRI funded project on “Virtual reality based treatment to improve social behavior of autism children”

11. **Patents: Obtained :**                      Applied :

12. **Technology Transfer:**

13. **Research Publications:**

**National Journals:**

1. K.Suveetha, T.Manju, "Ensuring Confidentiality of Cloud Data using Homomorphic Encryption", Indian Journal of Science and Technology, Vol 9(8), DOI: 10.17485/ijst/2016/v9i8/87964, February 2016.

### **International Journals:**

1. T.Manju, Dr.S.Padmavathy and Dr.D.Tamilselvi, "A Rehabilitation Therapy For Autism Spectrum Disorder Using Virtual Reality", International Conference on Intelligent Information Technologies - 2017, Springer - Communication in Computer and Information Science 808, pp. 328–336, 2018.
2. T.Manju, Dr.S.Padmavathy and Dr.D.Tamilselvi, "Autism Spectrum Disorder Treatment Through Virtual Environment: A Survey", Asian Journal of Convergence in Technology, Volume III, Issue III ISSN No.:2350-1146, Impact Factor - 2.71, April 2017.

### **Conferences :**

1. "A Virtual Reality Therapy for Autism Spectrum Disorder" in 2017 International Conference on Computational Intelligence: Theories, Applications, and Future Directions (ICCI-2017) at Indian Institute of Technology Kanpur, India during December 6th - 8th, 2017.
2. "A Rehabilitation Therapy For Autism Spectrum Disorder Using Virtual Reality", International Conference on Intelligent Information Technologies (ICIIT- 2017) at Anna University, December 20<sup>th</sup> - 22<sup>nd</sup> 2017.

### **14. No of Books Published with details :**

## FACULTY PROFILE

1. **Name and Designation :** C.Santhiya , Assistant Professor

2. **Department :** Information Technology

3. **Date of Birth :** 29.06.1986

4. **Unique id :** 1-1545365129

5. **Education Qualification:**



Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	B.Tech	Information Technology	2007	Periyar Maniammai College of Technology For Women ,Thanjavur	Anna University	83%	First Class with Distinction
PG	M.E	Computer Science	2009	Velammal College of Enginnering, Chennai	Anna University	79%	First Class with Distinction
Ph.D.	Ph.D (Pursuing)	Cloud Computing	-				

6. **Work Experience :**

**Teaching :**

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
National Engineering College,Kovilpatti	Lecturer (06.06.2009 to 31.05.2010)	---	-----	-----
Unnamalai Institute of Technology, Kovilpatti	---	Assistant Professor (10.08.2011 to 26.12.2012)	-----	-----

Thiagarajar College of Engineering		Assistant Professor  (24.12.2012 to tilldate)		
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**Research :**

**Industry :**

Company Name	Nature of Work	Periods	Total No. of Years

- Others :

7. **Area of Specialization:** Distributed Systems, Software Engineering.

8. **Courses Taught at:**

**UG Level:** Operating System, Web Technology, Information Storage Management, Management Theory and Practice, System Administration, Software Quality Assurance.

**PG Level:** Cloud Security

9. **Research/ Project Guidance :**

**Master ;**

Name of the scholar	Course	Area of Project	Status
S.Ajay Thomas	ME(CSIS)	Cloud Computing	Completed
R.Ramya	ME(CSIS)	Website Recommendation	Completed

**Ph.D ;**

Name of the scholar	COURSE	AREA OF RESEARCH	STATUS

10. **Projects Carried out:**

11. **Patents: Obtained:**                      **Applied:**

12: **Technology Transfer :** Handled Various Sessions on Web Technology in TCE ,Government College of Engineering, Thindukal.

### **13. Research Publications :**

#### **National Journals :**

#### **International Journals :**

1. C.Santhiya , T.Manju , "Avoidance of Duplicate Messages in P2P network by Cycle Minimization Techniques, International Journal of Computer Science and Network, April 2016.
2. T.Manju, C.Santhiya, "Fault Localization for Cots Using Dynamic Analysis Technique", International Journal of Advanced Research In Engineering Technology & Sciences, Feb 2015.
3. C.Santhiya, K.Indra,"Identification of Profile-Injection Attacks in Recommendation System", Springer Nature LNDECT 26, pp, 1-7, 2019.

#### **Conferences :**

1. C.Santhiya, S.Ajay Thomas,"A Survey on Resource Scheduling Under Concave Pricing in Cloud Environment", ICET 2016, Karpagam College of Engineering, Coimbatore.
2. C.Santhiya, S.Ajay Thomas," A Randomized Stack Centric Resource Scheduling Algorithm for Cloud Environment", ICCCC 2017, Kerala.
3. C.Santhiya, S.Ajay Thomas,"Dynamic Resource Scheduling using Delay Time Algorithm in Cloud Environment", 978-1-5090-6221-8/17/\$31.00 c 2017 IEEE.
4. C.Santhiya, K.Indra, R."A Novel Framework For Cloud Service Recommendation" 2017 IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI).
5. C.Santhiya, K.Indra," Identification of Profile-Injection Attacks in Recommendation System", International Conference on Intelligent Data Communication Technologies an Internet of Things, ICICI 2019.

### **14. No of Books Published with details: ---**

## FACULTY PROFILE

1. **Name and Designation** : S.Sujitha, Assistant Professor
2. **Department** : Information Technology
3. **Date of Birth** :17.04.1988
4. **Unique id** : 1-1545365124
5. **Education Qualification** :



Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
<b>UG</b>	B.Tech	Information Technology	2009	National Engineering College, Kovilpatti	Anna University, Chennai	75%	First Class with Distinction
<b>PG</b>	M.E	Computer Science and Engineering	2011	Government College of Engineering, Tirunelveli	Anna University, Chennai	8.5	First Class
<b>Ph.D.</b>	Ph.D (Pursuing)	SDN Security	-	Anna University, Chennai	Anna University, Chennai	-	-

### 6. Work Experience :

#### Teaching :

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Unnamalai Institute of Technology, Kovilpatti	-	1 year 6 months		

#### Research:

#### Industry:

#### Others:



**7.Area of Specialization:** Network Security

**8.Courses Taught at:**

**UG Level:**

- Fundamentals of Computing,
- Data Structures and Algorithms,
- Software Testing,
- Internet Programming,
- Software Engineering,
- Object Oriented System Design and Development,
- Network Security,
- Computer Forensics,
- Information Systems,
- Information Storage Management

**PG Level:**

- Secure Software Engineering

**9.Research/Project Guidance :**

**Master:**

Name of the scholar	Course	Area of Project	Status
M. ThakshinaMoorthy	M.E CSIS	Wireless Sensor Networks	Completed
G. Ashwini	M.E CSIS	Software Defined Networks	Completed
R. GuruRoja	M.E CSIS	Software Defined Networks	Completed

**Ph.D:**

**10. Projects Carried out: -**

**11. Patents: Obtained : -      Applied : -**

**12. Technology Transfer :** Handled session on “Introduction to Software Defined Networking” at VPV College of Engineering, Periyakulam.

**13. Research Publications :**

**International Journals**

1. S.Sujitha, M.S.K.Manikandan, R.Gururoja, “Evaluating Resource Saturation Attack During Controller-Switch Communication in SDN”, Lecture Notes on Data Engineering and Communications Technologies(LNDECT, volume 26) Pages 1548-1556, Dec 2018.
2. R. Parkavi,P. Karthikeyan, S.Sujitha, A. Sheik Abdullah, "Impact of Massive Open Online Courses and Best Practices: A Case Study on Social Network Analysis Course", Journal of Engineering Education Transformations, Vol.31, No.3, Jan 2018.
3. S.Sujitha, Pallavipriya, Pragathi, “Fault Tolerant SDN Controller: A Survey”, International Journal of Advance Researches in Management Architecture Technology and Engineering, April 2016, Volume 2, Special Issue 12.

**Conferences**

1. S.Sujitha, G.Ashwini, “A detailed study of Fault tolerance in SDN Controller”, ICIDS-2017, PSG College of Technology, Coimbatore.
2. S.Sujitha, M.ThakshinaMoorthy, “A survey on Reprogramming Protocol for Wireless Sensor Networks”, International Conferences on Advances in Engineering, Science and Technology, March 2016.

**14. No of Books Published with details:**

1. S.Sujitha, M.S.K.Manikandan, G.Aswini, Book Title: , Book Chapter Title:SDNController, ISBN: 010417-020046, Publisher: IGI Global, 2018.
2. R.Parkavi, C.Priyanka, S.Sujitha, A.Sheik Abdullah, Book Title: Applications of Security, Mobile, Analytic and Cloud (SMAC) Technologies for Effective Information Processing and Management, Book Chapter Title: Mobile Cloud Computing-Applications Perspective, ISBN: 280517-043241, Publisher: IGI Global, 2018.
3. R.Parkavi, P.Karthikeyan, A.Sheik Abdullah, S.Sujitha, Book Title: Handbook of Research on Mobile Devices and Smart Gadgets in K-12 Education, Book Chapter Title: Mobile Devices in the Classroom, ISBN: 9781522527077, Publisher: IGI Global, 2018. (Indexed in SCOPUS)
4. S.Sujitha, R.Parkavi, Book Title: Cybersecurity Breaches and Issues Surrounding Online Threat Protection, Book Chapter Title: Cybercrime Investigation, ISBN: 9781522519423, Publisher: IGI Global, 2017. (Indexed in SCOPUS)

## FACULTY PROFILE



1. **Name and Designation** : J. John Shiny, Assistant Professor
2. **Department** : Information Technology
3. **Date of Birth** : 25-01-1990
4. **Unique id** : 1-2186105756
5. **Education Qualification** :

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	B.Tech	Information Technology	2011	Hindustan College of Engineering	Anna University	81	First class
PG	M.E	Computer Science and Engineering	2013	SSN College of engineering	Anna University	8.45	First class
Ph.D.	Pursuing	Information and Communication Engineering			Anna University		

### 6. Work Experience :

#### Teaching :

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Thiagarajar College of Engineering		5.2		

#### Research :

#### Industry :

Company Name	Nature of Work	Periods	Total No. of Years

#### Others :

7. **Area of Specialization** : Cloud resource allocation and scheduling, distributed systems

8. **Courses Taught at:**

**UG Level :** System administration, distributed systems, cloud technologies, free open source software, essentials of Information technology, Engineering Exploration

**PG Level :** Network security, wireless security, multimedia security

**9. Research/Project Guidance :**

**Master ;**

Name of the scholar	COURSE	AREA OF Project	STATUS
S.Vignesh	M.E computer science and Information Security	Cloud resource allocation	Completed

**Ph.D ;**

Name of the scholar	COURSE	AREA OF RESEARCH	STATUS

**10. Projects Carried out :**

**11. Patents : Obtained :                      Applied :**

**12. Technology Transfer :**

**13. Research Publications :**

**National Journals :**

**International Journals ;**

1. A.Anitta, J. John Shiny, "A Novel method for diagnosing multiple faults based on robust optimization technique", International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015)

**Conferences :**

1. J. John shiny, S. Vignesh, " A Comprehensive review on QoS measures for Resource Allocation in Cloud Environment", International conference on Advanced Computing (ICoAC), Jan 19-21, 2017

2. J. John Shiny ; P. Gowri Manohari , “A time series based Hotspot detection in virtualized environment”, International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), DOI: 10.1109/ICCICCT.2015.7475348
3. S.V.Jansi Rani, Dr.P.Narayanasamy, J.John Shiny,”A Cross Layer Approach for Improving TCP Performance Using Channel Access Information” , International conference on Communication and Signal Processing, April 3-5, 2013, IEEE Explore Digital Library, 978-1-4673-4866-9, pp 587-591 ©2013 IEEE.DOI: [http://dx.doi.org/ 10.1109/iccsp.2013.6577122](http://dx.doi.org/10.1109/iccsp.2013.6577122).

**14. No of Books Published with details :**

1. A Comprehensive Survey on Techniques Based on TPM for Ensuring the Confidentiality in Cloud Data Centers”pp- 366-379, A book chapter in IGI Global, USA,2017
2. A comprehensive survey on techniques based on TPM for ensuring the confidentiality in Cloud data centers” – A book chapter in IGI Global, USA,2017
3. Recent Trends in cloud based data processing for IoT era”, A book chapter in IGI Global, USA,2018 approved

## FACULTY PROFILE



1. **Name and Designation** : Mrs.S.Pudumalar,AP
2. **Department** : Information Technology
3. **Date of Birth** : 29/04/1983
4. **Unique id** : 1-2186106434
5. **Education Qualification** :

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	B.E	Computer Science	2004	Mohamed Sathak Engineering College	Madurai Kamarajar University	82	FIRST WITH DISTINCTION
PG	M.E	Computer Science	2012	Raja College of Engineering and Technology	Anna University	91	FIRST WITH DISTINCTION
Ph.D.	Ph.D.	ICE	Pursuing	Anna University	Anna University	NA	NA

### 6. Work Experience:

#### Teaching:

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Prince Sri Venkateshwara Padmavathy Engineering College	1.5	-	-	-
Raja College of Engineering & Technology, Madurai	2	2.6	-	-
Thiagarajar College of Engineering	-	4.11	-	-

**Research** :NIL

**Industry**:-NIL

**Others** : --

**7.Area of Specialization:** Software Engineering, Data mining

**8.Courses Taught at:**

- UG Level:** 1. Information Storage and Management  
2. Database Management Systems.  
3. Software Engineering  
4. Information Systems.  
5. Software Quality Assurance  
6. Management Theory and Practice

**PG Level:** -

**9.Research/Project Guidance:**

**Master:**

Name of the scholar	COURSE	AREA OF Project	STATUS
K.Suriya	ME(CSIS)	Pesticide recommendation system for cotton	Completed
K.Rohini	ME(CSIS)	Prediction of crop yield	Completed

Ph.D ; NA

**10. Projects Carried out :**

**11. Patents : Obtained :                      Applied : 2**

Sr. No.	CBR No.	Status	Application Number	Title/Remarks
1	22968	Applied	201841030822	NOVEL SYSTEM FOR AIR POLLUTION DETECTION AND CONTROL BY TRAFFIC MONITORING
2	22968	Applied	201841030823	NOVEL SYSTEM DESIGN FOR PREVENTION OF ACCIDENTS IN NO-MAN LEVEL CROSSINGS USING GPS MOBILE ALERTS

**12. Technology Transfer :**

**13. Research Publications :**

**Journals :**

**International Journals;**

1. "Pesticide recommendation system for cotton crop diseases due to the climatic changes," has been published in International Journal of Modern Research in Engineering & Management published in (IJMREM) ||Volume|| 1||Issue|| 1 ||Pages|| 25-32 ||September 2018||
2. "PREDICTION OF CROP YIELD USING DATA MINING ALGORITHMS Mrs.S.Pudumalar Ms.K.Rohini" published in VOL.05,ISSUE 02, APRIL 2018 (SPECIAL ISSUE II),INTERNATIONAL JOURNAL OF INNOVATION IN ENGINEERING RESEARCH AND MANAGEMENT ISSN 2348 – 4918
3. "A Comparative Analysis on Customer Feedbacks for KGCS" ,S.Pudumalar, K. Rohini, Journal of Computational Information Systems (2018)
4. S.Thiruchadaipandeeswari, S.Pudumalar. " Integration of ICT tools and active learning strategies for effective content delivery in Engineering education– An experimental study", Journal of Engineering Education Transformation published by IUCEE&RIT.

#### **Conferences :**

1. An Efficient Classification System for Grading Mushroom using Rapid Miner and WEKA " S.PUDUMALAR, SURIYA .S , K.Rohini 2017 International Conference on Innovations in information Embedded and Communication Systems (ICIIECS)
2. S.PUDUMALAR, SURIYA .S , S.THIRUCHADAI PANDEESWARI,"A SURVEY ON PREDICTION ALGORITHMS IN DATA MINING" ICET 2016,,IEEE INTERNATIONAL CONFERENCE ON ENGINEERING AND TECHNOLOGY
3. K.V.Uma,S.Pudumalar,T.S.B.Akshara,R.Nandhini,"Predicting the chances of offering scholarship to students, International Conference on Business Analytics and Intelligence", IISc, Bangalore during 19th – 21st Dec 2016
4. S. Pudumalar E. Ramanujam , "Crop Recommendation system for precision Agriculture", 8th International conference of Advanced Computing, ICAOC 2016, Dec 14-16, 2016
5. S.pudumalar, Graceline Abigail P, "Improved browser search precision using hybrid page rank algorithm ".,National Conference on Research Challenges in Social, Mobility, Analytics & Cloud (NCSMAC 2016) 29th – 30th Jan 2016
6. S.Pudumalar,Suriya .S ,S.Thiruchadaipandeeswari,"A SURVEY ON PREDICTION ALGORITHMS IN DATA MINING" IEEE International conference on Engineering and Technology.
7. Effectiveness of Mobile Learning at TCE, India: A Learner Perspective"Karthikeyan P, Uma K.V and Pudumalar S IEEE International ConferenceT4E2015Dec 10-12



**14. No of Books Published with details :**

1. Data Classification and Prediction, IGI Global Book Chapter "Applications of Security, Mobile, Analytic and Cloud (SMAC) Technologies for Effective Information Processing and Management".

## FACULTY PROFILE



1. **Name and Designation** : S. Thiruchadai Pandeewari, Assistant Professor
2. **Department** : Information Technology
3. **Date of Birth** : 09-02-1987
4. **Unique id** : 1-2186006197
5. **Education Qualification** :

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	B.E	Electronics and Communication Engineering	2008	Adhiparasakthi Engineering College, Melmaruvathur	Anna University, Chennai	84	First Class with Distinction
PG	M.E	Multimedia Technology	2012	College of Engineering, Guindy	Anna University, Chennai	8.5	First Class with Distinction
Ph.D.							

### 6. Work Experience :

#### Teaching :

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Thiagarajar College of Engineering	-	4 .11	-	-

#### Industry :

Company Name	Nature of Work	Periods	Total No. of Years
Accenture Inc.,	Software Engineer	June 2012 – July 2014	2.1 Years

7. **Area of Specialization** : Computer Networks, Software Defined Networks, Fog Computing

#### 8. Courses Taught at:

**UG Level** : Computer Networks, Web Technologies, Software Engineering, Software Defined

Networks, Digital Systems Design, Information Storage and Management

**PG Level** : Networking Technologies, IT Audit and Control

#### 9. Research/Project Guidance :

**Master ;**

Name of the scholar	COURSE	AREA OF Project	STATUS
Samuthira Devi	ME- CSIS	VoIP	Completed

**Ph.D ;**

Name of the scholar	COURSE	AREA OF RESEARCH	STATUS

**10. Projects Carried out :** EIAT – Enhanced Indirect Assessment Tool – An inhouse tool for Students Feedback

**11. Patents : Obtained :** - NA      **Applied :** - NA

**12. Technology Transfer :**

1. “Launching Course on Moodle – Hands on” in TEQIP III Sponsored Two day training programme on ICT Tools for Effective Teaching conducted by Department of IT, TCE
2. “HTML , CSS and Javascript for Front End” – in Summer Training Course on C and Python Programming with Hands-on for School Students conducted by Department of IT, TCE

**13. Research Publications :**

**National Journals :**

1. S.Thiruchadai pandeeswari, S.Pudumalar. " Integration of ICT tools and active learning strategies for effective content delivery in Engineering education– An experimental study", Journal of Engineering Education Transformation, An IUCEE & RIT Publication

**International Journals :**

1. Gayathri Lakshmanan, Ranjitha ,P.T.Kanmani, S.Thiruchadai Pandeeswari, “Preserving Data Privacy in Third Party Cloud Audit”, International Journal of Computer Science and Network, Volume 4, Issue 6, December 2015,ISSN: 2277 – 5420

**Conferences :**

1. S.Thiruchadai Pandeeswari, S.Padmavathi, “Fog based Architectures for IoT : A survey on Motivations, Challenges and Solution Perspectives”, Springer International Conference on Remote Engineering and Virtual Instrumentation 2019, BMSCE, Bangalore
2. S.Thiruchadai Pandeeswari, S.Padmavathi, “Role and Impact of Softwarization of Networks and Network functions in Fog based IoT Application Architectures”, IEEE International Conference on Computational Intelligence and Computing technologies, ICCIC 2018, TCE, Madurai

3. S.Thiruchadai pandeeswari, S.Pudumalar, "Team working skills among engineering students taking part in Academic team projects and assignments – An Experimental Study", Fifth International Conference on Transformations in Engineering Education , ICTIEE 2018, TCE, Madurai
4. Dr.P.Karthikeyan, S.Thiruchadai pandeeswari, IAS MichlinRuby Ruby, " EIAT: Enhanced Indirect Assessment Tool for Assessing the Graduate Degree Programme Outcomes", 4th IEEE International conference on Moocs, Innovation and Technology in Education
5. R.Samuthira Devi, S.Thiruchadai Pandeeswari, "Voice Communication on IP Networks: A Comprehensive analysis of security issues, challenges and solutions", National Conference on research challenges in SMAC, Thiagarajar College of Engineering, Madurai-15
6. R.SamuthiraDevi, S.Thiruchadai Pandeeswari, "A complete survey on VoIP issues and Solutions", ICETECH'2016 -IEEE International Conference
7. R.SamuthiraDevi, S.Thiruchadai Pandeeswari, "A Comparative analysis of RSA VS. ECC Algorithm in TLS over SIP server", ICIIECS' 2016- IEEE International Conference

**14. No of Books Published with details : -**

## FACULTY PROFILE



1. **Name and Designation** : C.V. Nisha Angeline & Assistant Professor

2. **Department** : Information Technology

3. **Date of Birth** : 12.2.1987

4. **Unique id** : 1-2186179683

5. **Education Qualification** : M.E. Computer Science

6. **Work Experience :**

- Teaching : 4 years
- Research : 1 year
- Industry : 2.2 Years
- Others :

7. **Area of Specialization** : Internet of Things

8. **Courses Taught at:**

**UG Level** : Java Programming, Object Oriented Programming with C++ & Java, Mobile Application Development, Human Computer Interaction, Internet of Things, Advanced Java, Object Oriented Analysis and Design.

**PG Level** : Security for Internet of Things

9. **Research/Project Guidance :**

**Master ; 1**

**Ph.D ;**

10. **Projects Carried out** : “Multi Factor Authentication for VPN” under ISRO

11. **Patents : Obtained :** **Applied :** 1 Dr.S.Muthuramalingam, Ms.C.V.Nisha Angeline ,  
“NOVEL SYSTEM FOR TRACKING OVERLOADED VEHICLES” Application No :  
201841030824

12. **Technology Transfer :**

1. Two day workshop on Android Development, Manonmaniam Sundaranar University, Tirunelveli. 6.11.17 to 7.11.17
2. One Week Short Term Hands on Training programme on Cloud Computing Technologies: Lecture on IoT Nov 29- Dec 4, 2016

### 13. Research Publications :

National Journals :1

International Journals ;

Conferences : 4

### 14. No of Books Published with details :2

1. Book Chapter (Chapter 3) titled “Fog Computing and Its Role in the Internet of Things” in *Advancing Consumer- Centric Fog Computing Architectures*, IGI Global publications, Sep, 2018, ISBN 9781522571490
2. S.Muthuramalingam, Raja Lavanya, C.V.Nisha Angeline "Lightweight Secure Architectural Framework for Internet of Things" –Accepted for publication in *Countering Cyber Attacks and Preserving the Integrity and Availability of Critical Systems, IGI Global Book Chapter*

## FACULTY PROFILE

1. Name and Designation : E. Ramanujam/ Assistant Professor
2. Department : Information Technology
3. Date of Birth : 13/10/1988
4. Unique id : 1-2334935305
5. Education Qualification :



Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	Marks / Grades Obtained	Obtained
UG	B.E.	Computer Science & Engineering	2006	SACS MAVMM Engg college, Madurai	Anna University	82%	class with distinction
PG	M.E	Computer Science & Engineering	2010	Raja College of Engineering and Technology, Madurai	Anna University	9.2	class with distinction
Ph.D.	Ph.D.	formation & communication Engineering	ursuing	Anna University	Anna University	●	NA

### 6. Work Experience :

#### Teaching :

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Fatima Michael College of Engineering and Technology	-	2	-	-
Thiagarajar college of Engineering	-	4.5	-	-

#### Research :

#### Industry :

Company Name	Nature of Work	Periods	Total No. of Years

- **Others :**

**7.Area of Specialization :** Data Engineering

**8.Courses Taught at:**

**UG Level :**

- Data Mining and Warehousing
- Compiler Design
- Decision Support Systems
- Data Science
- Data Structures and Algorithms
- Multimedia Mining
- Time Series Pattern Analysis

**PG Level :**

- Data base Security
- System Security

**9.Research/Project Guidance :**

**Master ;**

Name of the scholar	COURSE	AREA OF Project	STATUS
T. Kasirajan	M.E	ECG Signal Classification	Completed
J. Balachander	M. E	Rule based Medical Content Classification for Secure Remote Health Monitoring	Completed
Yaminie	M.E	Barcode detection to assisting blind people	Ongoing

**Ph.D ;**

Name of the scholar	COURSE	AREA OF RESEARCH	STATUS

**10. Projects Carried out :** NIL

**11. Patents : Obtained :** NIL      **Applied :** NIL

**12.Technology Transfer :** Handled Sessions on various colleges – Data Science and Machine Learning



### 13. Research Publications :

**National Journals : NIL**

**International Journals ;**

1. Ramanujam, E., and S. Padmavathi.(2017). ‘Genetic Time Series Motif Discovery For Time Series Classification’. *International Journal of Biomedical Engineering and Technology*, (In Press) – Inderscience.
2. Ramanujam, E., and S. Padmavathi.(2017). ‘A Comprehensive Review on Time Series Motif Discovery using Evolutionary Techniques’, *International Journal of Advanced Intelligence Paradigms*, (In Press) – Inderscience
3. Ramanujam, E., and S. Padmavathi.(2016) ‘Multi-objective genetic motif discovery technique for time series classification’. *International Journal of Business Intelligence and Data Mining* 11, no. 4 (2016): 318-337.
4. Ramanujam, E., 2015. Scalable Frequent Pattern Mining of Biological Sequences. *Data Mining and Knowledge Engineering*, 7(2), pp.63-68.
5. Ramanujam, E., and Balachander, J.,(2017) ‘Rule based Medical Content Classification for Secure Remote Health Monitoring’. *International Journal of Computer Applications (IJCA)*, 165(4), pp 21-26.

**Conferences :**

1. Ramanujam, E., and S. Padmavathi.(2012). ‘Constraint frequent motif detection in sequence datasets’. In *Advanced Computing (ICoAC), 2012 Fourth International Conference on*, pp. 1-5. IEEE, 2012.
2. Padmavathi, S. and Ramanujam, E., (2015). ‘Naïve Bayes Classifier for ECG Abnormalities Using Multivariate Maximal Time Series Motif’. *Procedia Computer Science*, 47 , pp.222-228.
3. Ramanujam, E., and S. Padmavathi.(2016) ‘Double constrained genetic algorithm for ECG signal classification’. In *Emerging Trends in Engineering, Technology and Science (ICETETS), International Conference on*, pp. 1-5. IEEE.
4. Ramanujam, E., and Pudumalar, S.,(2017), ‘Crop Recommendation System for Precision Agriculture’, *Advanced Computing (ICoAC), 2016 Eight International Conference on*, pp. 32-36. IEEE, 2016.

### 14. No of Books Published with details :

1. Manikandakumar, M., & Ramanujam, E. (2018). Security and Privacy Challenges in Big Data Environment. In *Handbook of Research on Network Forensics and Analysis Techniques* (pp. 315-325). IGI Global.

2. E. Ramanujam, M. Prianga, Side Channel Attack on Cloud computing, *In Handbook of Cognitive Social Mining Applications in Data Analytics and Forensics* ISBN13: 9781522575221, IGI Global (In Press)

## FACULTY PROFILE

1. **Name and Designation** : M. Thangavel, Assistant Professor

2. **Department** : Information Technology

3. **Date of Birth** : 07-June-1989

4. **Unique id** : 1-2335000592

### 5. Education Qualification:



Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	B.E.	CSE	2010	M.A.M COLLEGE OF ENGINEERING, TRICHY	ANNA UNIVERSITY, CHENNAI	86.4	FWD
PG	M.E.	CSE	2012	J.J. COLLEGE OF ENGINEERING & TECHNOLOGY, TRICHY	ANNA UNIVERSITY, CHENNAI	9.27	FWD
Ph.D.	Ph.D	INFORMATION AND COMMUNICATION ENGINEERING	PURSUING	ANNA UNIVERSITY, CHENNAI	ANNA UNIVERSITY, CHENNAI	-	-

### 6. Work Experience :

#### Teaching :

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Madras Institute of Technology, Anna University, Chennai	2 [As Teaching Fellow]			
Thiagarajar college of Engineering, Madurai	4.5			

**Research :** Pursuing Ph.D in Anna University, Chennai

**Industry :** - NA-

Company Name	Nature of Work	Periods	Total No. of Years
-	-	-	-

**Others : - NA -**

**7.Area of Specialization :** Cloud Computing, Data Security,  
Penetration Testing & Cyberforensics

**8.Courses Taught at:**

**UG Level :** Ethical Hacking, System Administration,  
Network Security, Database Administration,  
Problem Solving using Computers

**PG Level :** Cryptography, Ethical Hacking and Cyberforensics,  
Information Security Program Development and Management,  
Network Penetration Testing

**9.Research/Project Guidance :**

**Master ;**

Name of the scholar	COURSE	AREA OF Project	STATUS
S. Sridhar	M.E. CSIS	Cloud Security	Completed
R. Sindhuja	M.E. CSIS	Cloud Security	Completed
C Abinaya	M.E. CSIS	Cloud Security	Completed
M. Divyaprabha	M.E. CSIS	Cloud Security	Ongoing

**Ph.D ; - NA -**

Name of the scholar	COURSE	AREA OF RESEARCH	STATUS
-	-	-	-

**10. Projects Carried out :**

1. TEQIP - II & TCE sponsored “SMART AND SECURE e-HEALTHCARE FOR DIABETES- An Personnel Healthcare Assistantship”.
2. TEQIP - II & TCE sponsored SMART AND SECURE EDIFICE - A secure monitoring system for Home & Laboratories

3. CTDT, Anna University sponsored “EPPAMS: Enhancing Privacy Preservation for Academic Management System”
4. CTDT, Anna University sponsored Attaining Personalization by means of Web Prediction: Boosting and Bagging techniques

**11. Patents : -NA- Obtained : - Applied : -**

**12 : Technology Transfer :**

TOPIC	DELIVERED AT	PERIOD
Formative Assessment & Classmarker - ICT Tool	Title: TEQIP III Sponsored Two Day Training Programme on ICT Tools for Effective Teaching, Venue: Department of Information Technology Thiagarajar College of Engineering, Madurai - 625 015.	22-01-2019
Database Tuning & Data Science (DL, ML & AI)	Title: AICTE - QIP Sponsored Two Weeks Short term Course on “Research Perspectives in Data Management Schemes in Engineering Applications”, Venue: Alagappa Chettiar Government College of Engineering Technology, Karaikudi	06-12-2018
IoT and Cloud Computing	Title: Festival of Learning IoT and Cloud, Venue: Department of Information Technology, Thiagarajar college of Engineering, Madurai - 625015	14-11-2018
Big Data Analytics for Cybersecurity, Cyberforensic Analysis	Title: Big Data Analytics for Cybersecurity Solutions, Venue: Department of Information Technology, Thiagarajar college of Engineering, Madurai - 625015	19-09-2018
Hadoop & OpenStack - Hands-On	Title: Workshop on Cloud Computing, Venue: Kamaraj college of engineering and technology, Virudhunagar	04-08-2018 to 15-09-2018
Fog Computing - Fundamentals & Research Directions	Title: Three Days Workshop on Enabling High Performance Computing in Cloud, Venue: Department of CSE, Thiagarajar college of Engineering, Madurai - 625015	14-06-2018
Firewall & Secure Electronic Transactions	Anna University Sponsored Seven Days FDTP on Cyber Forensics (CS6004), 27th – 03rd December, 2017, Venue: Department of CSE, Kalasalingam Institute of Technology	01-12-2017

TOPIC	DELIVERED AT	PERIOD
Recommendation Essentials, Big Data - Apache Spark & No SQL with Python, Cloud & Fog Computing - Practical	Title: AICTE sponsored two weeks Faculty Development programme on "Context – aware recommender system in cloud environment", November 20th–December 3rd, 2017, Venue: Department of Computer Science and Engineering, Thiagarajar College of Engineering	29-11-2017 to 30-11-2017
JavaScript, Java Servlets & JDBC Connectivity	Title: Anna University Sponsored FDTP on CS6501 Internet programming, Venue: Computer Science and Engineering Department, University College Of Engineering Dindigul, Dates: May 22nd –28th 2017	24-05-2017
Unix - Commands, Shell & Utilities	Title: Learn From Home (Tech Mahindra), Venue: Kamaraj college of engineering and technology, Dindugal	12-05-2017
Ethical Hacking	Pre - Conference Workshop - DST-SERB and TEQIP - II Sponsored National Conference on Big Data Analytics and Mobile Technologies (NCBM - 2017)	23-03-2017
Emerging Trends in Computing	Title: Emerging Trends in Computing, College of Engineering, Adoor, Kerala	21-03-2017
NoSQL - Mongo DB, Hadoop, Virtualization - Vmware and Oracle Virtual Box, Eucalyptus - Hands-On & Introduction to Virtualization & Cloud Computing	Title: One-Week Short Term Hands-On Training Programme on "Cloud Computing Technologies" Venue: Department of Information Technology, Thiagarajar college of Engineering, Madurai - 625015	29-11-2016 to 04-12-2016
ICT Tools - Wikispaces & WordPress	TEQIP-II Sponsored workshop on "ICT Tools for Engineering Education", Conducted by: Centre for Engineering Education, Thiagarajar college of engineering, Madurai	09-11-2016
Big Data - Hadoop	Title: Cloud Computing, Venue: K.L.N College of Information Technology, Sivagangai	29-09-2016
Private Cloud Setup Tools	Title: Private Cloud Setup Tools, Venue: University college of engineering, Villupuram	31-07-2016
Grid Computing - Architecture, GT3 & GT4 Toolkit	TitleL Three days FDP on Grid and Cloud Computing, Venue: KLN college of Information Technology, Madurai	13-05-2016

TOPIC	DELIVERED AT	PERIOD
Cloud Computing - Hands on	Title: Two days Workshop on "Cloud Computing", Venue: Dr. Mahalingam college of engineering and technology, Pollachi	27-02-2016
Hadoop & Eucalyptus - Hands on	Title: Two days Workshop on "ECHO - Eucalyptus, CloudSim, Hadoop and Open Nebula", Venue: Dept. of CSE & IT, Sri Vidya College of Engineering & Technology, Virudhunagar.	26-09-2015
Research issues in Cloud Security & Simulation of Cyber attacks	Title: Three Days Workshop on Mathematical essentials for Cryptology Research, Venue: Department of Information Technology, Thiagarajar college of Engineering, Madurai - 625015	17-10-2014

### 13. Research Publications :

**National Journals :** -NA-

**International Journals ;**

1. M. Thangavel, P. Varalakshmi, R. Sindhuja, S. Sridhar, "Towards Secure DNA Based Cryptosystem", Communications in Computer and Information Science book series, Springer, Vol. 804, pp. 163-177, 2018 (ISSN: 1865-0929)
2. M. Thangavel, P Varalakshmi, "Improved secure RSA cryptosystem for data confidentiality in cloud", International Journal of Information Systems and Change Management, Inderscience, Vol. 9, No. 4, pp. 261-277, 2017. (ISSN online: 1479-313X, ISSN print: 1479-3121, IF: 0.53)
3. M Thangavel, P Varalakshmi, " Enhanced DNA and ElGamal cryptosystem for secure data storage and retrieval in cloud", Cluster Computing, Springer, pp. 1-27, 2017 (Available Online) (ISSN 1386-7857, IF: 2.040)
4. M Thangavel, P Varalakshmi, "Enhanced Schmidt-Samoa cryptosystem for data confidentiality in cloud computing", International Journal of Information Systems and Change Management, Inderscience, Vo. 8, No. 2, pp.160 – 188, 2016. (ISSN online: 1479-313X, IF : 0.53)
5. M Thangavel, P Varalakshmi, M Murralli, K Nithya, " An Enhanced and Secured RSA Key Generation Scheme (ESRKGS)", Journal of information security and applications, Elseiver, Vol. 20, pp. 3-10, 2015. (ISSN: 2214-2126, IF:1.25)

6. M Thangavel, P Varalakshmi, M Murralli, K Nithya, " Secure file storage and retrieval in cloud", International Journal of Information and Computer Security, Inderscience, Vol. 7, No. 2-4, 2015. (ISSN online: 1744-1773, IF: 0.28)

#### **Conferences :**

1. Title: "A Review on Information Security Program Development and Management", Conference Name: 2018 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC), Venue: Thiagarajar College of Engineering, Madurai
2. Title: "A Comparative Study on Road Safety Problems", Conference Name: 2018 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC), Venue: Thiagarajar College of Engineering, Madurai
3. Title: "CAMPUS PLACEMENT ASSISTANCE SYSTEM ", Conference Name: International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST'18), Venue: NIT, Tiruchirappalli
4. Title: "A Comparative Analysis of Image Steganographic Techniques ", Conference Name: International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST'18), Venue: NIT, Tiruchirappalli
5. Title: "SMART TRAFFIC SIGNAL AUTOMATION SYSTEM (STSAS)", Conference Name: International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST'18), Venue: NIT, Tiruchirappalli
6. Title: "A Review on Computing Technologies ", Conference Name: International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST'18), Venue: NIT, Tiruchirappalli
7. Title: "A Comparative Study of Attribute-Based Encryption Schemes for Secure Cloud Data Outsourcing", Conference Name: Nineth International Conference on Advanced Computing (ICoAC'17), Venue: Department of CT, MIT Campus, Anna University, Will be Published in IEEE.
8. Title: "Enhancing Secure DNA Cryptosystem for large volume of biological data" Conference Name: 4th IITM - Tokyo Tech Joint Symposium titled "Frontiers in Bioinformatics: Large scale data analysis, Resources and Drug design", Venue: IITM, Chennai
9. Title: "A Survey on Image Steganography and Steganalysis" Conference Name: DST-SERB and TEQIP - II Sponsored National Conference on Big Data Analytics and Mobile Technologies (NCBM - 2017), Venue: Department of Information Technology, Thiagarajar College of Engineering, Madurai - 625015, Tamil Nadu, India.



10. Title: "Smart and Secure e-Healthcare for Diabetes- A Personnel Healthcare Assistantship"  
Conference Name: DST-SERB and TEQIP - II Sponsored National Conference on Big Data Analytics and Mobile Technologies (NCBM - 2017), Venue: Department of Information Technology, Thiagarajar College of Engineering, Madurai - 625015, Tamil Nadu, India.
11. Title: "Smart and Secure Home using Internet of Things" Conference Name: DST-SERB and TEQIP - II Sponsored National Conference on Big Data Analytics and Mobile Technologies (NCBM - 2017), Venue: Department of Information Technology, Thiagarajar College of Engineering, Madurai - 625015, Tamil Nadu, India.
12. Title: "A Survey on Provable Data Possession in Cloud Storage ", Conference Name: ICoAC 2016, Venue: Department of CT, MIT Campus, Anna University, Will be Published in IEEE.
13. Title: "Towards Secure DNA based Cryptosystem", Springer CCIS - International Conference on Data Science Analytics and Applications, Venue: Dept. of CSE, CEG Campus, Anna University, Chennai
14. Title: "A Novel Public Key Cryposystem based on Merkle-Hellman Knapsack Cryptosystem", Conference Name: ICoAC 2016, Venue: Department of CT, MIT Campus, Anna University, Will be Published in IEEE.
15. Title: "Efficient Assessment Methods for Improving the Programme Outcomes of Undergraduate - Information Technology Programme in India", Fourth IEEE International Conference on MOOCs, Innovation and Technology in Education - MITE2016, Venue: Thiagarajar College of Engineering, Madurai
16. Title: "A Comparative study on DNA Cryptosystem", Fifth IEEE International Conference On Recent Trends In Information Technology, Venue: Department of Information Technology, Anna University, Madras Institute of Technology, Chennai.
17. Title: "SMCSRC - Secure Multimedia Content Storage and Retrieval in Cloud", Fifth IEEE International Conference On Recent Trends In Information Technology, Venue: Department of Information Technology, Anna University, Madras Institute of Technology, Chennai.
18. Title: "An Analysis of Privacy Preservation Schemes in Cloud Computing", IEEE International Conference on Engineering & Technology, Venue: Rathinam Technical Campus (RTC), Coimbatore, Tamilnadu.
19. Title: "A Review on Public Auditing in Cloud Environment", IEEE International Conference on Information Communication and Embedded System ICICES 2016, Venue: S.A. Engineering college
20. Title: A Survey on security over Data Outsourcing, Conference Name: ICoAC 2014, Venue: Department of CT, MIT Campus, Anna University, Published in IEEE.

21. Title: A Secure Data Transfer Mechanism Using Single-Handed Re-Encryption Technique, Conference Name: INCOSSET 2012, Venue: Department of CSE, JJCET, Trichy, Published in IEEE.
22. Title: EDSRPPC: An Efficient Data Storage and Retrieval through Personalization and Prediction in Cloud, Conference Name: ICoAC 2013, Venue: Department of CT, MIT, AU-C., Published in IEEE.

#### **14. No of Books Published with details :**

1. Book Chapter title: "Network Manipulation Using Network Scanning in SDN", (DOI: 10.4018/978-1-5225-7353-1.ch004), Book Title: Artificial Intelligence and Security Challenges in Emerging Networks, IGI Global, Url: <https://www.igi-global.com/chapter/network-manipulation-using-network-scanning-in-sdn/220548>
2. Editor of Book titled "Applications of Security, Mobile, Analytic, and Cloud (SMAC) Technologies for Effective Information Processing and Management", IGI Global Book Publishers (<https://www.igi-global.com/book/applications-security-mobile-analytic-cloud/182365>)
3. Book Chapter title: "Sniffers Over Cloud Environment: A Literature Survey" (DOI: 10.4018/978-1-5225-3029-9.ch006), Book Title: Critical Research on Scalability and Security Issues in Virtual Cloud Environments, IGI Global, Url: <https://www.igi-global.com/book/critical-research-scalability-security-issues/179336>
4. Book Chapter title: "Green Cloud Computing" (DOI:10.4018/978-1-5225-3038-1.ch005), Book Title: Cloud Computing Technologies for Green Enterprises, IGI Global Url: <https://www.igi-global.com/book/cloud-computing-technologies-green-enterprises/179339>
5. Book Chapter title: "Detection of Worms Over Cloud Environment: A Literature Survey" (DOI:10.4018/978-1-5225-3038-1.ch006), Book Title: Cloud computing technologies for Green Enterprises, IGI Global Url: <https://www.igi-global.com/book/cloud-computing-technologies-green-enterprises/179339>
6. Book Chapter title: "Privacy Preserving Public Auditing in Cloud: Literature Review" (DOI: 10.4018/978-1-5225-2013-9.ch006), Book Title: Advancing Cloud Database Systems and Capacity Planning With Dynamic Applications, IGI Global Url: <http://www.igi-global.com/book/advancing-cloud-database-systems-capacity/171015>
7. Book Chapter title: "Denial of Service (DoS) Attacks Over Cloud Environment: A Literature Survey" (DOI: 10.4018/978-1-5225-2013-9.ch012), Book Title: Advancing Cloud Database Systems and Capacity Planning With Dynamic Applications, IGI Global Url: <http://www.igi-global.com/book/advancing-cloud-database-systems-capacity/171015>

8. Book Chapter title: "Session Hijacking over Cloud Environment: A Literature Survey" (DOI: 10.4018/978-1-5225-2013-9.ch015), Book Title: Advancing Cloud Database Systems and Capacity Planning With Dynamic Applications, IGI Global Url: <http://www.igi-global.com/book/advancing-cloud-database-systems-capacity/171015>
9. Book Chapter title: "A Comparative Study on DNA-Based Cryptosystem" (DOI: 10.4018/978-1-5225-1785-6.ch019), Book Title: Handbook of Research on Recent Developments in Intelligent Communication Application, IGI Global Url: <http://www.igi-global.com/chapter/a-comparative-study-on-dna-based-cryptosystem/173256>
10. Book Chapter title: A Review on Digital Sphere Threats and Vulnerabilities (150715-071743), Book Title: Combating Security Breaches and Criminal Activity in the Digital Sphere, Publisher: IGI Global Url: <http://www.igi-global.com/book/combating-security-breaches-criminal-activity/142203>

## FACULTY PROFILE

1. **Name and Designation :** M. Manikandakumar, Assistant Professor

2. **Department :** Information Technology

3. **Date of Birth :** 26-04-1985

4. **Unique id :** 1-3359332449

5. **Education Qualification:** B. Tech - IT., M.E - CSE. (Ph.D).,



Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades Obtained	Class Obtained
UG	B.Tech	Information Technology	2009	Syed Ammal Engineering College	Anna University		FWD
PG	M.E	Computer Science & Engineering	2013	Pandian Saraswathi Yadav Engineering College	Anna University	8.72	FWD
Ph.D.							

6. **Work Experience :**

**Teaching :**

Name of the College	Years of Experience			
	As Lecturer	As Asst. Professor	As Associate Professor	As Professor
Pandian Saraswathi Yadav Engineering College		4.10		
Syed Ammal Engineering College		2.6		
Thiagarajar College of Engineering		2.2		

**Research :** Pursuing

**Industry :**

Company Name	Nature of Work	Periods	Total No. of Years

• Others :

7. **Area of Specialization :** Wireless & Mobile Communication, Security, IoT

8. **Courses Taught at:**

**UG Level :** Object Oriented Programming, Java Programming, Wireless & Mobile Communication, Engineering Design, Lateral Thinking

**PG Level :** Cloud & Distributed Computing, Network Security, Wireless Security

**9. Research/Project Guidance :**

**Master :** Nil

Name of the scholar	COURSE	AREA OF Project	STATUS

**Ph.D ;** Nil

Name of the scholar	COURSE	AREA OF RESEARCH	STATUS

**10. Projects Carried out :**

**11. Patents : Obtained :**                      **Applied : 4**

**12 : Technology Transfer :** Handled Sessions on IoT & ICT Tools in the training programmes conducted by TCE & Other colleges

**13. Research Publications :**

**National Journals :**

**International Journals ;**

1. A Survey on Data Warehousing and Data Mining Technology for Business Intelligence- International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.77 (2015).3
2. Analyzing Spam Messages and Detecting the Zombies Using Spam Count and Percentage Based Detection Algorithm - International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015)

**Conferences :**

1. Needs of Agricultural IoT in India: A Review, National Conference on Big data analytics and Mobile technologies (NCBM), 2017
2. Analyzing Spam Messages and Detecting the Zombies Using Spam Count and Percentage Based Detection Algorithm, International Conference on Advances in Applied Engineering and Technology (ICAAET)- 2015
3. A Survey on Data Warehousing and Data Mining Technology for Business Intelligence, ICGTEM – 2015

4. Analyzing the Performance of Security Techniques in MANET, National Conference on Advanced Computing Technologies (NCACT-2012)
5. Content Based Document Classification using word map systems, National Conference on Cryptology and Informatics Security (NCCIS-2012)
6. Flow based detecting DDOS attack in Large Scale Networks by using Entropy Variation Techniques, ICICES-2012
7. Reducing Packet Drop Ratio using Trust Model in AdHoc Networks, National Conference on Emerging Computational Technologies (SITCON-2011)

**14. No of Books Published with details : Nil**