

Research Profile
IT Department
2015

1. **Name of Faculty:** Dr.Y.Vijayalata(ID-619)

Designation: HOD & Professor of IT

Qualifications: Ph.D (CSE)

Experience: 18 years

Research Interest: Pattern Recognition

No. of Publication/Conferences: 16

Certifications:

No. of times invited for guest lectures: 30



Books Published:

- Dr. Y. Vijayalata, Anuradha R “ **Formal Languages and Automata Theory**”, CBS Publications, New Delhi
- Dr. Y. Vijayalata, “ **Data Structures through C and C++**”, Pearson Edition (in press)

Journal Publications:

International publications: (year wise –descending order)

1. “**A Better and Secure Cloud Storage for Public Auditing Using HLA**”, K. Vinod, Dr. Y. VijayaLata published in IJRECS, May – June 2014, V-1, I-2.

ISSN-2321-5484

2. “**An Advanced Approaches for 3d Face Recognition**”, B. NarendraBabu, Y. VijayaLata, published in IJRECS, June – July 2014, V-1, I-3.

ISSN-2321-5484

3. Y. Vijayalata, Anuradha K, “**ADistuributed Storage Integrity Auditing or Secure Cloud Storage Services**”, International Journal of Advanced Research in Computer Science and Software Engineering, Department of Computer Science 2013.

IF:2.08

4. Y. Vijayalata, A. Govardhan, “ **Query Based Face Retrieval from Automatic Reconstructed Images based on 3D Frontal View – Using EICA**”, Global Journal of Computer Science and Technology, Vol.11, Issue 8, Version 1.0, May 2011.

IF: 2014 Evaluation Pending.

5. Prof. Y. Vijayalata, Chandra KiranBharadwajTungathurthi, H. Ram Mohan Rao, Dr. A. Govardhan, Dr. L. P. Reddy, “**Facial Recognition using Eigen faces by PCA**”, International Journal of Recent Trends in Engineering, Vol. 1, No. 1, May 2009.

IF: 2014 Evaluation Pending.

National publications: (year wise –descending order)

1. Y. Vijayalata, AshlinDeepa R N, R. RajeshwarRao, “**A Multiset Approach for Recognition of Handwritten Characters using PUZZLE PIECES**”, CS & IT Journal.
2. Y. Vijayalata, A. Govardhan, “ **Impact of Image Resizing Factor in face Recognition System using PCA**”, Journal of Global Research in Computer Science Vol.2, No.4, April 2011, ISSN: 2229-371X.

IF: 0.60.

Conference Proceedings

International Conferences: (year wise –descending order)

1. Y. Vijayalata, Sk. AlthafHussainBasha, Y.R. Ramesh Kumar, KarthikNarla, “**Predicting Student Academic Performance using Temporal Association Mining – A Case Study on Educational Data**”, IEEE International Conference on Engineering for Humanity (ICEH-2013) August 2013, pp. 21-27.
2. Y. Vijayalata, Sk. AlthafHussainBasha, V. Anand, DonapatiSrikanth “**Study of Education Patterns using Rare Association Mining – A Case Study on Educational Data**”, IEEE International Conference on Engineering on Humanity (ICEH-2013), August 2013, pp. 53-61.

3. Y. Vijayalata, Sk. AlthafHussainBasha, V. Anand, “ **Study of Education Patterns using Rare Association Mining – A Case Study on Educational Data**”, International Conference on Engineering for Humanity 2013
4. Y. Vijayalata, Sk. AlthafHussainBasha, Y R RameshKumar ,” **Predicting Student Academic Performance using Temporal Association Mining – A Case Study on Educational Data**”, International Conference on Engineering for Humanity 2013.
5. Y.Vijayalata ,Dr.A.Govardhan , “**Interactive Content-Based Image Retrieval System**”,International Conference on International Conference- Geoinformatics for Rural Development 2006.

National Conferences: (year wise –descending order)

1. Y. Vijayalata, AshlinDeepa R N, R. RajeshwarRao, “ **Overview of Pattern Algorithms**”, National Conference on Emerging Trends of Computing, 18-19 March 2013.
2. Y. Vijayalata, Mounika D, Sk. AlthaHussainBasha, Y R Ramesh Kumar, “ **Study on Education Patterns using Rare Association Mining**”, National Conference on Emerging trends of Computing, 18-19 March 2013.
3. Y. Vijayalata,”**Recognition of Human Face by PCA using Scilab**”, Indian Conference on Computer Vision, Graphics ,Image & Video Processing ICCVGIVP 2009 by Department of Information Technology, Ministry of Communication & Information Technology, Government of India, 2009.

2. Name of Faculty: Dr. PadmalayaNayak(**ID-713**)

Qualifications: Ph.D (CSE)

Experience: 14 years

Research Interest: Computer Network

No. of Publication /Conferences: 24

Certifications:

No. of times invited for guest lectures: 5



Books Published:

- Dr. PadmalayaNayak, “ **Wireless Network and Mobile Computing (An Outcome based Education System)**”, Pearson Edition (under review).

Book Chapters

1. **Padmalaya Nayak** “**Impact of Cloud Gaming on Health Care, Entertainment, and Education System**” Submitted to IGI Global Publisher for the upcoming book Emerging Technologies and Applications for cloud based Gaming. (Abstract Accepted-Under Review)
2. **Padmalaya Nayak**, “**Internet of Things Issues, Challenges and Applications**” Submitted to IGI Global Publisher for the upcoming book Handbook of Research on Advanced WSN Applications, Protocols and Architecture. (Abstract Accepted-Under Review)

International Journal Publication:

International publications: (year wise –descending order)

1. **Padmalaya Nayak**, D. Anurag, “A Fuzzy Logic based Routing Protocol for WSN to extend the Network Lifetime” Accepted in **IEEE SENSOR JOURNAL** for publication.
2. **Padmalaya Nayak**, Bhabani V, B. Labanya, “Impact of Black-hole and Sink-hole Attack on Routing Protocols for WSN” International Journal of Computer Applications (0975-8887), Vol. 116, No. 4, pp. 42-46, April 2015.
3. A.Rupesh, **Dr. PadmalayaNayak**, “**Load Balancing Theory in Peer-Peer for Content Distribution Network**”, IJRECS June – July 2014, V-1, I-3ISSN-2321-5484.

4. **PadmalayaNayak, Pallavi Shree “Comparison of Routing Protocols in WSN using NetSim Simulator: LEACH Vs LEACH-C”** published in International Journal of Computer Applications (IJCA) (0975-8887) vol 106,No-11,PP.1-6, Nov 2014.
5. **PadmalayaNayak, SaraswatiBhakare, NaziaTabassum, “Comparative study of DSR, AODV Routing Protocol for WPAN Using NetSim Simulator”, International Journal of Advanced Research in Computer Sciences (IJARCS), Special Issue May 2013.
IF: 3.74**
6. **PadmalayaNayak, D. Anurag,GanjiSai Krishna, “ Performance Evaluation of LEACH Protocol for Wireless Sensor Network in a Mobile Environment”,International Journal of Advanced Research inComputer Sciences (IJARCS), Special Issue May 2013.
IF: 3.74**
7. **PadmalayaNayak, G. Ramamurthy, “Constrained based Path selection QoS Routing Algorithms – MCP and MCOP Problems”, BioInfo. Journal of Information Systems and Communications (JOISAC), (Peer reviewed), vol:4, Issue:1, Page: 384-390, ISSN: 0976-8742, , April 2013.
IF: 4.57.**
8. **M. Sujeethanada ,PadmalayaNayak, G. Ramamurthy,” Quality of Service Routing Algorithm for Cognitive Wireless Sensor Network”, Bonfring International Journal of Networking technologies and Applications,(Peer reviewed) Vol:2, No.1, March 2013.**
9. **PadmalayaNayak, Tata JaganadhaSwamy, G. Ramamurthy, “Optimal Secure Cluster Head Placement on Sensor Field through Source Coding”, submitted to American Journal of Sensor Letter, Aug, 2013. IF:1.58 .**
10. **PadmalayaNayak,G Rama Murthy, “Utilization of Novel Overlap Function in Wireless Sensor Fusion”, Sensors & Transducers Journal Vol 94, Issue 7,July 2008. IF: 2.27.**
11. **Padmalaya Nayak, “Wireless Sensor Network Security: Denial of Service Attack and Countermeasure” Submitted to International journal of Information Security, Jan 2015**

Conference Proceedings

International Conferences: (year wise –descending order)

1. **Padmalaya Nayak**, M Sowmya and Pranaya J “Integration of Sensor Node with Raspberry-Pi for Health Care Monitoring Application” in Proc. of International Conference on Advances in Electronics and Computer System (IAECS-2015), pp. ECS-048—ECS-052, ISSRD, Bangalore, India
2. **Padmalaya Nayak**, Pallavishree, “Comparision of two reactive routing protocols with random walk and random way mobility model using NetSim Simulator” in Proc. of International Conference of Communications and Informatics (ICCI-2015), (ieee explorer) Coimbatore, India.
3. **Padmalaya Nayak**, B. Labanya, V Bhavani, “Analysis of DSR protocol for MANET under black-hole and sink-hole attacks using NetSim Simulator” in Proc. of International conference on Innovations in Computing and Communications” (ICICC-2015), pp-25-30, BVRIT, Hyderabad .
4. **PadmalayaNayak**, D. Anurag, V.V.N.A. Bhargavi, “**Fuzzy Method Based Super Cluster Head Election for Wireless Sensor Network with Mobile Base Station**”, in proceedings of ICACM’13.
5. **Padmalaya Nayak**, Sujeethananda, G. Ramamurthy, “ **A novel Approach to Routing Protocol for WSNs-QoS Provisioning**”, in Proc. of International Conference on Advances in Computing and Communications (ICACC) 2012, IEEE Explorer, pg: 203-208, Cochin, Kerala, India 2012.
6. **PadmalayaNayak**, AkhilGoel, G Rama Murthy, “**Modified Priority Assignment Soft Reservation Medium Access Protocol for Mobile Adhoc Network**”, in proc. of 10th International Symposium on Wireless Personal Multimedia Communications, WPMC(Jaipur India), , Pg No:1059 to 1063, 2007.
7. **PadmalayaNayak**, A. K Banerjee, G. Ramamurthy, “ **A novel Approach to Energy Effiecient Routing Protocol in Wireless Sensor Networks**”, International Conference on Systemics, Cybernetics and Informatics, Hyderabad, 2010.
8. **PadmalayaNayak**,G Rama Murthy,”**Novel Overlap Functions:Wireless Sensor Fusion**”,International Conference on Sensor and Related Networks SENNET’ 07,Pg No 461-466, (Vellore, India),2007.

National Conferences: (year wise –descending order)

1. **Padmalaya Nayak, SaraswatiBhakare, NaziaTabassum, “Comparative study of DSR, AODV Routing Protocol for WPAN Using NetSim Simulator”, National Conference on Innovations and Advancements in Computing, GITAM University, Hyderabad, March 2013.**

2. **PadmalayaNayak, ,D. Anurag, GanjiSai Krishna, “ Performance Evaluation of LEACH Protocol for Wireless Sensor Network in a Mobile Environment”, National Conference on Innovations and Advancements in Computing, GITAM University, Hyderabad, March 2013.**

3. **Name of Faculty:** K. PrasannaLakshmi (ID-525)
Qualifications: M.Tech (CSE) (Ph.D)
Experience: 13 years
Research Interest: Data Mining
No. of Publication/Conferences:8



Journal Publications:

International publications: (year wise –descending order)

1. **“Fast Rule-Based Heart Disease Prediction using Associative Classification Mining”** in IEEE International Conference on Computer, Communication and Control, MGI Indore, INDIA. **Paper can be browsed from IEEE Explore. Sep 2015**
2. **“Fast Rule-Based Prediction of Data Streams using Associative Classification Mining”** in 5th IEEE International Conference on It Convergence And Security, Kuala Lumpur, Malaysia. August 24-27 2015. **Paper can be browsed from IEEE Explore.**
3. **“Efficient Classifier over Stream Sliding Window using Associative Classification”** in International Conference on Data Mining (DMIN15), Las Vegas, USA with ISBN. **Paper can be browsed from ACM Digital Library. July 2015**
4. **“Efficient mining of Data Streams using Associative Classification Approach”** in International Journal of Software Engineering and Knowledge Engineering Vol 25, Issue 2, June 2015 ISSN (Online) : 1793-6403. **Paper can be browsed online**
5. **“Efficient Classifier Generation over Stream Sliding Window using Associative Classification approach”** International Journal of Computer Appliances Vol 115, Issue 22, April 2015 ISSN : 0975 – 8887. **Paper can be browsed online**

6. **“Compact Tree for Associative Classification of Data Stream Mining”** in International Journal of Computer Science Issues Vol. 9, Issue 2, No 2, March 2012 ISSN (Online): 1694-0814”.
7. **“A survey on different trends in data streams”** in International Conference on Networking and Information Technology (ICNIT 2010), Manila, Philippines with ISBN : 978-1-4244-7577-3 sponsored by International Association of Computer Science and Information Technology (IACSIT).
8. **“Generation of Clusters for duplicate recording Union Find Alogorithm”**, International Conference on Advance Computing Technology 2008.

1. **Name of Faculty:** Y.J.NagendraKumar(ID-390)
Qualifications: M.Tech (CSE) Ph.D
Experience: 11 years
Research Interest: Web GIS Mining
No. of Publication/Conferences: 6
Certifications: -
No. of times invited for guest lectures : -



Journal Publications:

International publications: (year wise –descending order)

1. **“A Better Search Optimization for Multidimensional Queries over Cloud on Encrypted Data”**, M Chander, Y.J.Nagender Kumar, IJRECS, May-June 2014, V-1,I-2

Conference Proceeding:

International Conference

1. **“Performing Geo Coding on Address locators and Composite address locators”**, Y. J. Nagendra Kumar, Y. Vinay Kumar, P. K. Abhilash, V. Sujatha, International conference on Innovations in Computer Science and Engineering (ICICSE-2014) 8th - 9th August 2014, Guru Nanak Institutions Technical Campus, Hyderabad,
2. **“Managing Satellite Imaginery Using Geo Processing Tools and Sensors- Mosaic Data Sets”**, Y. JeevanNagendra Kumar, Dr. T.V. RajiniKanth, published in 1st International Conference on Rough Sets and Knowledge Technologies-2014.
3. **“Web GIS Mining for Effective Retrieval of Remote Sensed Data: A Survey Paper”** ,Y. JeevanNagendra Kumar, Dr. T.V. RajiniKanth.
4. **“Optimal Distribution of mobile network towers: an approach through Geo Spatial Data Mining”** Y. JeevanNagendra Kumar, Dr. T. V. Rajinikanth, Mohana Krishna.
5. V.Sujatha, Dr.G.AppaRao, M.Archana, Y.JeevanNagendra Kumar **“An Approach to integrate de-duplication with backup to cloud storage”** published in International Conference on Advanced Computing Methodologies (ICACM’11), Dec 2011. Pg: 301-305.

1. **Name of Faculty:** T.Veena(**ID-712**)
Qualifications: M.E (ComputerEngineering) Ph.D
Experience: 19 years
Research Interest: Web Mining
No. of Publication/Conferences: 2



Journal Publications:

International publications: (year wise –descending order)

1. Aruna Tiwari, Veena Trivedi, “**Estimating Similarity of XML Schemas using Path Similarity Measure**”, International Journal of Computer Applications & information Technology (IJCAIT-ISSN 2278-7720) ,Vol. 1, No.1, July 2012, pp 34-37.

IF: 0.405

Conferences:

International Conference:

1. T.Veena, Dr.T.Aruna “**An Approach for Reposition of XML data in Relational Repository using XML Schema**”, published in International Conference on Advanced Computing Methodologies (ICACM’11), Dec 2011. Pg: 295-29.

2. **Name of Faculty:** P. Gopala Krishna (**ID-558**)
Qualifications: M.Tech (CST),(PhD)
Experience: 12 years
Research Interest: Data Mining/Document Clustering
No. of Publication/Conferences: 04
No. of times invited for guest lectures : 05



Journal Publications:

International publications: (year wise –descending order)

1. Y. UshaJyothi, P Gopala Krishna “**Utilization of Mining Queries for Efficient Online Image Retrieval**”, International Journal for Research on Electronics and Computer Science” Aug – Sep 2014, V-1, I-5, ISSN-2321-5484 (Online)
2. P Gopala Krishna, Dr D LalithaBhaskari, P V S S Rahul, “**A Comparison between K-means and Hierarchical Algorithms**” International Journal of Advanced Computing” ISSN:0975-7686

Conference Proceedings

International Conferences

1. P Gopala Krishna, Dr D LalithaBhaskari “**Fuzzy C-means and Fuzzy TLBO for Fuzzy Clustering**”, 2nd International Conference on Computer and Communication Technologies (IC3T2015) SPRINGER proceedings

3. **Name of Faculty:** S. V Appaji (**ID-808**)
Qualifications: M.Tech (CST),(Ph.D)
Experience: 6 years6 months
Research Interest: Cryptography & Network Security
No. of Publication/Conferences: 03
No. of times invited for guest lecturers : 01



Journal Publications:

International publications: (year wise –descending order)

1. SangapuVenkata Appaji³, D Ranta Giri¹, T.V.Subbrao², PLN Raju⁴, “**Efficient implementation of fault prediction in Object-oriented systems based on conceptual cohesion of classes,**” International Journal of Computer Science & Communication Networks, Vol 1(3), 310-317, December - January 2011-2012.
2. SangapuVenkata Appaji³, ANL Kumar¹PLN Raju², D Ranta Giri⁴, “**Efficient design of static analysis tool for detecting web vulnerabilities,**” International journal of Engineering research and applications, Vol. 2, Issue 1, Jan-Feb.2012, pp.345-354.

Conference Proceedings

International Conferences

1. S. V. Appaji³, K. Santhisree¹, A Damodaram², D. Nagarjunadevi⁴, “**Web Usage Data Clustering Using Dbscan Algorithm and Set Similarities,**” DSDE '10 Proceedings of the 2010 International Conference on Data Storage and Data Engineering, pp: 220-224