
CURRICULUM VITÆ



Name : **Dr. H. HANNAH INBARANI**

Designation & Affiliation : Assistant Professor
Department of Computer Science
Periyar University

Postal Address : Department of Computer Science,
Periyar University
Salem 636 011, Tamil Nadu, India

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Educational Qualification

- ✦ Ph.D., (2012), Computer Science, Periyar University University, Salem, India.
- ✦ M.Tech., Computer Science and Engineering (2007), AAI Deemed University, India
- ✦ M.Phil., Computer science (2003), M.S University, Tamil Nadu.
- ✦ M.Sc., Computer Science (1991), Bharathidasan University, Trichy, India
- ✦ B.Sc. Computer Science (1989), Madurai Kamaraj University, Tamil Nadu, India.

Areas of Research

- ✦ Rough sets,
- ✦ Image Processing,
- ✦ Signal Processing,
- ✦ Web mining,
- ✦ E-Learning,
- ✦ Biometrics and Big Data Analytics

Research Projects

S.No	Title	Duration	Amount	Status	Role	Fund Agency
1	Web 2.0 Technology Enhanced Personalized E-Learning using Computational Intelligent Techniques	3 years	Rs. 11,88,800/-	Completed	Principal Investigator	UGC
2	Early diagnosis of cardiovascular disease and rehabilitative BCI for brain stroke patient	2 years	Rs. 3,25,600/-	Completed	Mentor	DST-NASI

Collaborators

- 1. Dr. Ahmad Taher Azar,**
IEEE Senior Member
Assistant Professor,
Faculty of Computers and Information,
Benha University, Egypt
- 2. Dr. Aboul Ella Hassanien**
Professor & Chair at Scientific Research Group in Egypt (SRGE),
Cairo University, Egypt

Professional Membership

1. IAENG (International Association of Engineers)
2. IACSIT (International Association of Computer science and IT)

Reviewer / Co-Editor in International Journals

1. Co-Editor in [International Journal on Computational Intelligence and Informatics\(IJCII\)](#)
2. International Editorial Review Board Member for [International Journal of Rough Sets and Data Analysis \(IJRSDA\)](#)
3. International Editorial Review Board Member for [International Journal of System Dynamics Applications \(IJSDA\)](#)

Membership in various Committees

- ✦ Member secretary of Anti sexual Harassment cell, Periyar University
- ✦ Academic council member of Womens' Studies, Periyar University
- ✦ Member of AISHE cell, Periyar University

Membership in Board of Studies

- ✦ Member of Board of Studies, Department of Computer Science, [Lady Doak college](#), Madurai for the academic year 2008-09.
- ✦ Member of Board of Studies, Department of Computer Applications- PG, [Vivekananda College of Arts and Sciences for Women](#) for the academic year 2013-14
- ✦ Member of Board of Studies, Department of Computer Science, [Sacred Heart college](#) for the academic year 2013-14
- ✦ Member of Board of Studies, Department of Computer Science, [Periyar University](#) from 2005 to till date.
- ✦ Member of Board of Studies, Department of Computer Science, [Bishop Heber college](#) from 2013-2015
- ✦ Member of Board of Studies , Department of Computer Science and Applications, [The American College](#) Madurai,2016-2018

Recognitions & Awards

- ✦ Received [Outstanding Faculty Award](#) (Science / Computer) -VIFFA 2015-- by Venus International Foundation , Chennai.

Best Paper Awards received

1. Received Best research paper award in the IEEE International Conference on Advances In Engineering, Science And Management at E.G.S Pillay Engineering College, 22-24 Feb 2012.
Title: [Unsupervised feature selection using Tolerance Rough Set based Relative Reduct.](#)
2. Received Best research paper award in the National Conference on Computer & Communication Technology organized by Department of computer application, Easwari Engineering College, 5th and 6th May 2011.
Title: [Comparative Analysis of Spectral Clustering with K-means clustering for cancer data.](#)

Research Supervision

Doctor of Philosophy : 10 students (2 Awarded, 1 Submitted, 7 guiding)
Masters of Philosophy : 33 students (5 guiding)

Seminar/conference/workshops organized

1. Organizing Secretary for **Training of Trainers Programme** organized by Centre for Women's Studies Centre on 11.12.2013.
2. Organizing Secretary for **International Women's Day celebration** on 9.3.2015 organized by Women's Studies Centre
3. National Seminar on **"Pattern Recognition"** on Oct -17,18-2008(<http://www.allconferences.com/conferences/2008/20080916200622>)
4. CSIR Sponsored National Workshop on **"Emerging Trends in E-Technology"**, Department of Computer Science, Periyar University, 14-15 March 2013.
5. Co-coordinator for the workshop on **"Registering and Uploading UGC statistical data"** organized by AISHE cell on 15.2.2016

Publications

Total Number of Publications : **80(Journals = 58; Conferences = 13; Book Chapters =9)**
Indexed by : **Science Citation Index (SCI), Scopus, Google Scholar**
H-Index : **13 (Google Scholar), 7 (Scopus), 3 (SCI)**
I10 – Index : **20**

Publications

2006

1. HH Inbarani, K Thangavel, **"Clickstream intelligent clustering using accelerated ant colony algorithm"**, Advanced Computing and Communications, ADCOM 2006. IEEE International Conference, 129-134, 2006.(**IEEE**)
2. H.HannahInbarani, K.Thangavel, **"Apriori Algorithm for web usage mining"**, National Conference on Soft Computing, pp: 33-39, Hindustan College of Engineering,2006
3. H.HannahInbarani, K.Thangavel,**"Clickstream Intelligent Clustering using Accelerated Ant Colony Algorithm"**, International Conference on Advanced Computing and Communications, NIT, Surathkal, 2006. (**IEEE**)

4. H.HannahInbarani, K.Thangavel,” **Rough set based Feature selection for web usage mining**”, Advanced Computing and Communication, NIT, Mangalore,2006.(IEEE)

2007

1. H Hannah Inbarani, K Thangavel, A Pethalakshmi, “**Rough set based feature selection for web usage mining**”, Conference on Computational Intelligence and Multimedia Applications, IEEE International Conference, 33-38, 2007.(IEEE)
2. H.HannahInbarani, K.Thangavel, A.Pethalakshmi,” **Rough set based feature selection for web usage mining**”, International Conference on Computational Intelligence and Multimedia Applications, MEPCO Engineering College, Sivakasi, 2007. (IEEE)

2009

1. H.HannahInbarani , Dr.K.Thangavel, “**Rough set based User profiling for Web Personalization**”, International Journal of Recent Trends in Engineering , Vol.3 , issue 10 , 2009.
2. H HannahInbarani, Dr. K. Thangavel, “**Mining and Analysis of Clickstream Patterns**”, Foundations of Computational Intelligence (6)2009.(SPRINGER)
3. H.HannahInbarani, P.K NizarBanu,“**An Adaptive Rough clustering for Web Log Transactions**”,Intelligent Computing Models,2009.

2010

1. H.HannahInbarani, Dr.K.Thangavel,“**A Robust Biclustering Approach for Effective Web Personalization**”, Visual Analytics and Interactive Technologies: Data, Text and Web Mining Applications 2010.

2011

1. H.HannahInbarani, P.K NizarBanu, “**Analysis of click stream patterns using Soft biclustering Approaches**”, International Journal of Information Technologies and Systems Approach, Vol.4, issue 1, pp53-66, 2011.
2. H.HannahInbarani ,Dr.K.Thangavel, “**Discovery of user profiles using fuzzy web intelligent techniques**”, International Journal of web communities,Vol 7,No 3 , pp:357-375, 2011.(INDERSCIENCE)
3. NistanaParveen, H.HannahInbarani, “**Analysis of Spectral Clustering with K-Means Clustering Using Cancer Data**” National Conference on Computer and Communication Technology (NCCCT), Eswari Engineering College, 2011.

4. S..Saravanan, H.HannahInbarani, **“Comparative Analysis of PCA and Rough PCA approaches for gene expression data”**, National Conference on Computer and Communication Technology (NCCCT)”, Eswari Engineering College, 2011.

2012

1. H.HannahInbarani, P.K NizarBanu, **“Unsupervised feature selection using Tolerance Rough Set based Relative Reduct”**, International Conference on Advances in Engineering , Science and Management(ICAESM), E.G.S Pillay Engineering College, 2012. (IEEE)
2. H.HannahInbarani, P.K NizarBanu, **“Unsupervised Hybrid PSO – QuickReduct Approach for Feature Reduction”**, International Conference on Recent Trends in Information Technology, M.I.T, 2012.(IEEE)
3. P.K NizarBanu, H.HannahInbarani,” **Unsupervised hybrid PSO — Relative reduct approach for feature reduction”**, International Conference on Pattern Recognition, Informatics and Medical Engineering(PRIME), Periyar University, 2012.(IEEE)
4. A.NistanaParveen, H.HannahInbarani, E.N.Sathish Kumar,” **Performance analysis of unsupervised feature selection methods”**, International Conference on Computing ,Communication and Applications(ICCCA), PSNA college,2012.(IEEE)
5. G.Jothi, H.HannahInbarani,” **Soft Set Based Quick Reduct Approach for Unsupervised Feature Selection”**, International Conference on Advanced Communication, Control and Computing Technologies(ICACCCT), Syed Ammal Engineering College,2012. (IEEE)
6. G.Jothi, H.HannahInbarani, **“Soft Set Based Feature Selection Approach for Lung Cancer Images”**, International Journal of Scientific and Engineering Research ,Vol 3 , Issue 10, 2012.
7. K. Dhanalakshmi, H.HannahInbarani, **“Fuzzy Soft Rough K-Means Clustering Approach For Gene Expression Data”**, International Journal of Scientific and Engineering Research, Vol 3, Issue 10, 2012.
8. Kalaiselvi.N, H.HannahInbarani, **“Fuzzy Soft Set Based Classification for Gene Expression Data”**, International Journal of Scientific and Engineering Research ,Vol 3 , Issue 10, 2012.
9. P.K NizarBanu, H.HannahInbarani,**“Performance Evaluation of Hybridized Rough Set based Unsupervised Approaches for Gene Selection”**, International Journal of Computational Intelligence and Informatics, Vol 2 Number 2 September 2012.
10. H.HannahInbarani, Dr.K.Thangavel, **“Rough Web Intelligent Techniques for Page Recommendation”**, Intelligent Techniques in Recommendation Systems, 2012.
11. H.HannahInbarani, Dr.K.Thangavel, **“Web Usage Mining Approaches for web Page Recommendation: A survey”**, Intelligent Techniques in Recommendation Systems, 2012.

2013

1. P.K NizarBanu, H.HannahInbarani, **“An Analysis of Gene Expression Data Using Penalized Fuzzy C-Means Approach”**, International Journal of Communication, Computation and innovation, Vol. 1, No. 2, pp: 102-113, 2013.
2. S. Selva Kumar, H. Hannah Inbarani, **“Analysis of mixed C-means clustering approach for brain tumour gene expression data”**, International Journal of Data Analysis and Strategic Techniques , Vol 5, Issue 2, 2013.(**INDERSCIENCE**)
3. H.HannahInbarani, Dr.K.Thangavel, **“Effective web personalisation based on rough biclustering”**, International Journal of Granular Computing, Rough Sets and Intelligent Systems, Vol. 3, no 1, pp 59-84 ,2013.(**INDERSCIENCE**)
4. H. Hannah Inbarani, Ahmad TaherAzar, G. Jothi, **“Supervised hybrid feature selection based on PSO and rough sets for medical diagnosis”**, Computer Methods and Programs in Biomedicine 113(1): 175-185 (2014) 2013.(**ELSEVIER, IF: 2.503**)
5. S. Selva Kumar, H. Hannah Inbarani, **“WEB 2.0 Social Book mark Selection for Tag”**, International Conference on Pattern Recognition, Informatics and Mobile Engineering(PRIME), Periyar University, 2013.(**IEEE**)
6. S.Udhaya Kumar, H.HannahInbarani, S.Senthil Kumar, **“Bijjective Soft Set Based on Classification for Medical Data “**, International Conference on Pattern Recognition, Informatics and Mobile Engineering(PRIME), Periyar University, 2013.(**IEEE**)

2014

1. S Udhaya Kumar, H Hannah Inbarani, S Senthil Kumar, **“Improved Bijjective-Soft-Set-Based Classification for Gene Expression Data”** Computational Intelligence, Cyber Security and Computational Models, Vol. 246, pp 127-132, 2014.(**SPRINGER**)
2. S Senthil Kumar, H Hannah Inbarani, S Udhaya Kumar, **“Modified Soft Rough set for Multiclass Classification”** Computational Intelligence, Cyber Security and Computational Models, Vol. 246, pp 379-384, 2014.(**SPRINGER**)
3. SU Kumar, HH Inbarani, **“Identification of Heart Valve Disease using Bijjective Soft Sets Theory”**, International Journal of Rough Sets and Data Analysis (IJRSDA) 1 (2), 1-14, 2014.
4. SU Kumar, HH Inbarani, **“Identification of Heart Valve Disease using Bijjective Soft Sets Theory”**, International Journal of Rough Sets and Data Analysis (IJRSDA) 1 (2), 1-14, 2014.

2015

1. MTHH Inbarani, **“Analysis of K-Means with Multi View Point Similarity and Cosine Similarity Measures for Clustering the Document”**, International Journal of Applied Engineering Research (IJAER) 10 (9), pp.6672-6675,2015.
2. S Hannah Inbarani, **“Hybrid TRS-FA Clustering Approach for Web2.0 Social Tagging System”**, International Journal of Rough Sets and Data Analysis (IJRSDA) 2 (1), 70-87 ,2015.
3. H Hannah Inbarani, **“A novel neighborhood rough set based classification approach for medical diagnosis”**, Procedia Computer Science, PP. 351-359, 2015. (ELSEVIER)
4. S Senthil Kumar, H Hannah Inbarani, **“Optimistic multi-granulation rough set based classification for medical diagnosis”**, Procedia Computer Science, PP. 374-382, 2015. (ELSEVIER)
5. SS Kumar, HH Inbarani, **“Rough set–based meta–heuristic clustering approach for social e–learning systems”**, International Journal of Intelligent Engineering Informatics 3 (1), 23-41,2015.(INDERSCIENCE)
6. HH Inbarani, M Bagyamathi, **“A novel hybrid feature selection method based on rough set and improved harmony search”**, Neural Computing and Applications, 1-22,2015.(SPRINGER, IF: 2.505)
7. AT Hannah Inbarani, SelvaKumar ,, **“Hybrid TRS-PSO Clustering Approach for Web2. 0 Social Tagging System”**, International Journal of Rough Sets and Data Analysis (IJRSDA) 2 (1), 22-37,2015.
8. SS Kumar, HH Inbarani, **“Covering Rough Set Based Intelligent Clustering Approach for Social E-Learning Systems”**, International Journal of Applied Engineering Research (IJAER) 10 (20), pp.19505-19510,2015.
9. SS Kumar, HH Inbarani, **“Rough set–based meta–heuristic clustering approach for social e–learning systems”**, International Journal of Intelligent Engineering Informatics 3 (1), 23-41,2015.(INDERSCIENCE)
10. T Sudhakar, HH Inbarani, **“Performance Analysis of Genetic and Bees Colony Optimization Techniques for Finest Routing in Ad-Hoc Network”**,International Journal of Computational Intelligence and Informatics 5, 85-93, 2015.(SPRINGER)
11. HH Inbarani, M Bagyamathi, **“A novel hybrid feature selection method based on rough set and improved harmony search”**, Neural Computing and Applications, 1-22,2015.(SPRINGER, IF: 2.505)
12. AT Hannah Inbarani, SelvaKumar ,, **“Hybrid TRS-PSO Clustering Approach for Web2. 0 Social Tagging System”**, International Journal of Rough Sets and Data Analysis (IJRSDA) 2 (1), 22-37,2015.

13. SS Kumar, HH Inbarani, **“Covering Rough Set Based Intelligent Clustering Approach for Social E-Learning Systems”**, International Journal of Applied Engineering Research (IJAER) 10 (20), pp.19505-19510,2015.
14. SS Kumar, Hannah Inbarani, **“Hybrid TRS-FA Clustering Approach for Web2.0 Social Tagging System”**, International Journal of Rough Sets and Data Analysis (IJRSDA) 2 (1), 70-87 ,2015.
15. SS Kumar, HH Inbarani, **“Rough set–based meta–heuristic clustering approach for social e–learning systems”**, International Journal of Intelligent Engineering Informatics 3 (1), 23-41,2015.(**INDERSCIENCE**)
16. HH Inbarani, M Bagyamathi, **“A novel hybrid feature selection method based on rough set and improved harmony search”**, Neural Computing and Applications, 1-22,2015.(**SPRINGER, IF: 2.505**)
17. AT Hannah Inbarani, SelvaKumar ,, **“Hybrid TRS-PSO Clustering Approach for Web2. 0 Social Tagging System”**, International Journal of Rough Sets and Data Analysis (IJRSDA) 2 (1), 22-37,2015.
18. SS Kumar, HH Inbarani, **“Covering Rough Set Based Intelligent Clustering Approach for Social E-Learning Systems”**, International Journal of Applied Engineering Research (IJAER) 10 (20), pp.19505-19510,2015.
19. SU Kumar, HH Inbarani, **“Classification of ECG Cardiac Arrhythmias Using Bijective Soft Set”**, Big Data in Complex Systems, Springer-978-3-319-11055-4, 323-350, 2015.(**SPRINGER**)
20. M Bagyamathi, HH Inbarani, **“A novel hybridized rough set and improved harmony search based feature selection for protein sequence classification”**, Big Data in Complex Systems, Springer-978-3-319-11055-4, 173-204, 2015.(**SPRINGER**)
21. SS Kumar, HH Inbarani, **“Modified Soft Rough Set Based ECG Signal Classification for Cardiac Arrhythmias”**, Big Data in Complex Systems, Springer-978-3-319-11055-4, 445-470, 2015.(**SPRINGER**)

2016

1. AT Azar, HH Inbarani, KR Devi, **“Improved dominance rough set-based classification system”**, International Journal of Neural computing and Applications, Springer ,pp.11-16,Jan 2016. (**SPRINGER, IF: 2.505**)
2. K.Renuga, HH Inbarani, **“Motor Imagery Classification Based on Variable Precision Multigranulation Rough Set”**, Computational Intelligence, Cyber Security and Computational Models, pp.145-154,2016. (**SPRINGER**)

3. SU Kumar, HH Inbarani ,**“Neighborhood rough set based ECG signal classification for diagnosis of cardiac diseases”**, International Journal of Soft Computing,pp.1-13,2016. (SPRINGER)
4. Ahmad TaherAzar, H Hannah Inbarani, S Udhaya Kumar, HalaShawky Own,**“Hybrid system based on bijective soft and neural network for Egyptian neonatal jaundice diagnosis”**, International Journal of Intelligent Engineering Informatics, Vol.4, pp.71-90,2016.(INDERSCIENCE)
5. M Thangarasu, HH Inbarani, **“Analogy Removal Stemmer Algorithm for Tamil Text Corpora”**,Digital Connectivity–Social Impact, 70-81, 2016.(SPRINGER)
6. M Thangarasu, HH Inbarani, **“MPRK algorithm for clustering the large text datasets”**,Advances in Computer Applications (ICACA), IEEE International Conference, 2016.(IEEE)
7. SS Kumar, HH Inbarani, AT Azar, K Polat, **“Covering-based rough set classification system”**,Neural Computing and Applications, 1-10, 2016.(SPRINGER, IF: 2.505)
8. T Sudhakar, HH Inbarani, **“Comparative Analysis of Indoor Mobility Scenarios Creation (IMSC) in mobile ad hoc networks”**,Indian Journal of Science and Technology 9 (19), 2016.
9. S Selvakumar, H Inbarani, **“A Hybrid Personalized Tag Recommendations for Social E-Learning System”**,International Journal of control Theory and Applications 9 (2), 2016.
10. HH Inbarani, SU Kumar, AT Azar, AE Hassanien, **“Hybrid rough-bijective soft set classification system”**, Neural Computing and Applications, 1-12, 2016.(SPRINGER, IF: 2.505)
11. AT Azar, SS Kumar, HH Inbarani, AE Hassanien, **“Pessimistic multi-granulation rough set-based classification for heart valve disease diagnosis”**,International Journal of Modelling, Identification and Control 26 (1), 42-51, 2016.(INDERSCIENCE)
12. SS Kumar, HH Inbarani, AT Azar, HS Own, VE Balas, T Olariu, **“Optimistic multi-granulation rough set-based classification for neonatal jaundice diagnosis”**,Soft computing applications, 307-317, 2016.(SPRINGER)
13. T. Sudhakar and H. Hannah Inbarani, **“Comparative Analysis of Group Mobility Models in MANETs based on Bird Flocking”**,International Journal of Control Theory and Applications, Volume : No.9 Issue No. :26,PP : 209-216, 2016.
14. M Thangarasu and H Hannah Inbarani,**“DPPSOK Algorithm for Document Clustering”**, International Journal of Control Theory and Applications, Volume : No.9 Issue No. :26, Pages : 201-207, 2016.
15. M. Raja, M Thangarasu and H Hannah Inbarani, **“Performance Analysis of Artificial Fish Swarm based Clustering for Gene Expression Data”**, International Journal of Computer Applications (0975 – 8887), 2016.

16. Senthil Kumar, S. & Hannah Inbarani, “**Cardiac arrhythmia classification using multi-granulation rough set approaches**” Int. J. Mach. Learn. & Cyber. (2016). (SPRINGER, IF: 1.699)

2017

1. SU Kumar, HH Inbarani, “**PSO-based feature selection and neighborhood rough set-based classification for BCI multiclass motor imagery task**”, Neural Computing and Applications 28 (11), 3239-3258, 2017.(SPRINGER, IF: 2.505)
2. J Ganesan, HH Inbarani, AT Azar, K Polat, “**Tolerance rough set firefly-based quick reduct**”, Neural Computing and Applications 28 (10), 2995-3008, 2017.(SPRINGER, IF: 2.505)
3. SU Kumar, HH Inbarani, “**Neighborhood rough set based ECG signal classification for diagnosis of cardiac diseases**”, Soft Computing 21 (16), 4721-4733, 2017.(SPRINGER, IF: 2.472)
4. B Lavanya, HH Inbarani, “**A novel hybrid approach based on principal component analysis and tolerance rough similarity for face identification**”, Neural Computing and Applications, 1-11, 2017.(SPRINGER, IF:2.505)
5. SS Kumar, HH Inbarani, “**Covering rough set-based classification for cardiac arrhythmia**”, International Journal of Intelligent Engineering Informatics 5 (2), 101-120, 2017.(INDERSCIENCE)
6. PKN Banu, AT Azar, HH Inbarani, “**Fuzzy firefly clustering for tumour and cancer analysis**”, International Journal of Modelling, Identification and Control 27 (2), 92-103, 2017.(INDERSCIENCE)
7. T Sudhakar, HH Inbarani, “**Spatial group mobility model scenarios formation in mobile ad hoc networks**”, Computer Communication and Informatics (ICCCI), 1-5, 2017. (IEEE Explorer)

2018

1. G Jothi, HH Inbarani, AT Azar, KR Devi, “**Rough set theory with Jaya optimization for acute lymphoblastic leukemia classification**”, Neural Computing and Applications, 1-20. 2018. (SPRINGER IF: 2.505)

Invited Lectures

- **Public Lectures Delivered in Conferences/Seminars**

- **Acted as Resource Person for the following National level seminars**

- ✚ Invited Lecture for the National Conference on “**Innovations and Advancements of Software Technology**” in KailashWomens College, Nangavalli on 25th September 2012.

- ✚ Invited Lecture on **“Fuzzy set based data mining”** for the National workshop on “Techniques and tools in data mining” organized by Sathyabama University from 8th Sep 2014 to 9th Sep 2014.
- ✚ Invited Lecture in the International Seminar on **“Recent Trends in computing”**, Patchamuthu college of Arts and science, Dharmapuri, 26.09.2015
- ✚ Delivered a talk in the National conference on **”Recent Trends in Mathematical Computational Techniques and Its Applications”** organized by Thanthai Hans Roever college, Perambalur
- ✚ Invited Lecture Delivered on **“Role of Big Data Analytics in IoT”** in the National conference on 18 February 2017 organized by Paavai Arts and Science College for Women.
- ✚ Invited Lecture on **"Recent Trends in Internet Technologies"** for the International Conference on Recent Trends in Internet Technologies organized by AVS college of Arts and Science, Salem, 28.08.2017.

○ **Acted as Resource Person for the following seminars**

- ✚ Acted as resource person for the **“Young Student Scientist Programme”** organized by Department of Computer science department from 3/10/2010 to 22/10/2010 and from 2/5/2011 to 21/5/2011.
- ✚ **"Intelligent Techniques for Data Mining"**, FDP organized by Jayaram College of Technology
- ✚ **Web 2 Technology**, Vivekanandha College of Arts and Sciences for Women, 08.02.2011
Distributed Databases, Lady Dock College, 15.10.12
- ✚ **The Role of Distributed Computing and Web services**, Vivekananda College for Women, 27.02.2013.
- ✚ **Recent Trends in Information Technology**, PGP College of Arts and Science, 13.09.2013.
- ✚ **Emerging Trends in IT**, Sri S.Ramasamy Naidu Memorial College, 30.09.2013
- ✚ **Fuzzy Rough sets**, Sri Ramakrishna College of Arts and Science for Women, 11.10.2013.
- ✚ **Data Mining and Research Methodology**, Shri Sakthikailash Women’s College, 29.10.2013.
- ✚ **Android Programming**, Shri Sakthikailash Women’s College, 14.02.2014.

- ✚ **Recent Trends in Computer Science**, Government Arts College for Women, 20.02.2014.
- ✚ IT in Commerce, Sri VidyaMandir Arts and Science College, 26.02.2014.
- ✚ **Recent Trends in Information Technology**, Sri Sarada College for Women, 12.03.2014.
- ✚ **Image Processing**, Sri VidyaMandir Arts and Science College, 13.03.2014.
- ✚ **Research Challenges in Computer Science**, Shri Sakthikailassh Women's College, 15.11.2014.
- ✚ Delivered a talk in the International Seminar on **“Recent Trends in computing”** organized by Patchamuthu college of Arts and science, 26.09.2015
- ✚ UGC Seminar on **“Internet of Things”** organized by Department of Computer Science, Sarada college, 13.2.2016
- ✚ Invited Lectures Delivered on **“Recent Trends in Web Technology”** on 03 August 2016 at Muthayammal College of Arts and Science
- ✚ Invited Lecture Delivered on **“Internet of Things and Open Source Technologies”** on 23 September 2016 at Vivekanadhacollege Arts and Science for women.
- ✚ Invited Lecture Delivered on **“Digital Image Processing”** on 13 February 2017 at SriVidyaMandir Arts and Science College.

Radio Talk Given

Sl.No	Date	Title	Station
1	27.3.2013	Information Technology	All India Radio, Trichy

Extension and Dissemination Activities

Extension Activities:

- **Membership in Committees**

1. Member of Anti-Sexual Harassment Cell, Periyar University
2. Member of UGC Statistics Committee, Periyar University
3. Member of AISHE cell

Orientation/Refresher Courses attended:

1. **Orientation course attended:** Attended Orientation programme conducted by Bharathidasan University during May 2008.
2. **Refresher course attended:** Attended Refresher course conducted by Bharathidasan University during Nov 2009.
3. **Refresher course attended:** Participated in the Refresher course organized by Bharathiyar University from 17-07-2013 to 06-08-2013.
4. **Capacity Building Programme Attended:** Participated in UGC sponsored “**Capacity Building of Women Managers in Higher Education**” organized by Periyar University from 27th June to 1st July, 2011.
5. **Short term course attended :** “**Teaching and Learning Techniques in Higher Education** ” organized by Madras University from 27/7/2015 to 1/8/2015
6. **Interaction Programme on DST Schemes For Researchers,** Centre for Nano Science and Nano Technology, Periyar University, 12th June 2015.
7. **Project Writing skills and Funding Agencies,** School of Sciences, Periyar University, 12th Feb 2015.

Faculty Development Programmes Attended

Sl. no	Theme	Organized by	Duration
1	Applications of Artificial neural Networks using Matlab	Government Engineering College, Salem-11	3-5 OCT 2007
2	Unix and C	M.S University, Tirunelveli	23.11.92 to 5.12.92
3	.NET Technologies	Sri Ramakrishna Engineering college, Coimbatore	24 .4. 2009
4	Faculty Development Program	Department Of English, Periyar University	14 Dec 2016 to 21 Dec 2016
5	Technical Aspects of Internet of Things	Centre For Instrumentation And Maintenance Facility (CIMF)	23 March 2017