**Dr.R.SHENBAGAVALLI**
Assistant Professor,
**Rani Anna Government
College for Women,
Tirunelveli -627 008
TAMIL NADU**

## PERSONAL DETAILS

Date of Birth            :        29-05-1969

Qualification            :        B.E(cse).,M.C.A.,M.Phil.,Ph.D

Designation             :        Assistant Professor

Department             :         Computer Science

Community             :         BC

Religion                  :          Hindu

Nationality              :         Indian

Email ID                 :        shenba3000@gmail.com

| ACADEMIC QUALIFICATIONS | | | | |
|---|---|---|---|---|
| **Degree** | **Specialization** | **College** | **University** | **Year of Passing** |
| UG | BE Computer Engineering | RVS Engineering College | Madurai Kamaraj University | 1990 |
| PG | MCA | - | Madurai Kamaraj University | 2002 |
| MPhil | Network Security | - | Mother Teresa Womens University ,Kodaikanel | 2005 |
| PhD | Image Processing | - | Mother Teresa Womens University ,Kodaikanel | 2015 |

| TEACHING EXPERIENCE | | |
|---|---|---|
| **Date of Appointment** | Self-Finance<br>Government | 24-9-1990<br>26-12-2007 |
| **Date of Retirement** | | 31-5-2029 |
| **Teaching Experience** | Self-Finance<br>Government | 24-9-1990 – 25-12-2007 (17 yrs)<br>26-12-2007 -till date     (15 yrs) |
| **Research** | | 8 yrs |

| COURSES/ CLASSES TAUGHT | NAME OF THE INSTITUTIONS | DURATION | | |
|---|---|---|---|---|
| | | **From** | **To** | **Years** |
| B.Sc Computer Science/ PGDCA | G.V.N .COLLEGE, Kovilpatti | 24-9-1990 | 25-12-2007 | 17 yrs |
| M.Sc Computer Science/ | G.V.N .COLLEGE, Kovilpatti | 1-9-2001 | 25-12-2007 | 6 YRS |
| B.Sc Computer Science | Govt. Arts College for Women, Sivagangai | 26-12-2007 | 30-6-2009 | 1.5 yrs |

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|---|---|---|---|---|
| B.Sc Computer Science | Rani Anna Govt.College for Women, Tirunelveli | 1-7-2009 | Till date | 11 yrs7 m |
| M.Sc Computer Science | Rani Anna Govt.College for Women, Tirunelveli | 1-9-2012 | Till Date | 8 yrs 6 m |
| M.Phil Computer Science | Rani Anna Govt.College for Women, Tirunelveli | 1-6-2015 | 2020 | 4 yrs |
| Ph.D Computer Science | Rani Anna Govt.College for Women, Tirunelveli | 1-7-2017 | Till Date | 6yrs |

| S. No | Name of the Training | Name of the Sponsoring Agency | Place and Date |
|---|---|---|---|
| **ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (0)** | | | |
| 1 | ORACLE 8 with Developer 2000 | | Regional Engineering College,Tiruchi. 7-6-1999 to 25-6-1999 |
| 2 | UGC Sponsored Orientation course | UGC | Bharathidasan University ,Tiruchi 21-06-2004 to 18-07-2004 |
| 3 | UGC Sponsored Orientation course | UGC | Bharathidasan University ,Tiruchi 26-12-2007 to 24-01-2008 |
| 4 | Faculty develope ment Program on Soft skills | Directorate of collegiate Education Sponsored Programme (NASSCOM) | Honey Well,Madurai 8-9-2008 to 11-9-2008 |
| 5 | UGC-Sponsored Refresher course | UGC | Bharathiar University, Coimbatore 3.12.2009 to 23-12-2009 |
| 6 | UGC-Sponsored Refresher course | UGC | Bharathithasan University, Tiruchi 13-11-2015 to 3-12-2015. |
| 7 | UGC-Sponsored Refresher course | UGC | Bharathiar University, Coimbatore 17.11.2017 to 7-12-2017. |
| 8 | PMMMNMTT(Pandit Madhan Malaviya National Mission on Teachers and Teaching Sponsored two day Internship programme under MHRD | MHRD | Organized by centre for Information Technology and Engineering,Manonmanium Sundaranar University 12th and 13th March 2020 |
| 9 | Sponsored by Ministry of Human Resource Development and Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching | MHRD | Teaching Learning Centre Ramanujan College ,University of Delhi April 20- May 06, 2020 |

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|---|---|---|---|
| 10 | Organized by Department of Computer Science and Engineering of Vardhaman 2ollege of Engineering | | Collaboration with Brain Ovision Solutions India PVT Ltd 22-5-2020 to 26-5-2020 |
| 11 | Spoken Tutorial Project, IIT Bombay Funded by the National Mission on Education through ICT,MHRD,Govt of India | MHRD | Organaized by Mannar Thirumalai Naicker College ,Madurai 6-6-2020 To 10-6-2020 |
| 12 | Sponsored by Ministry of Human Resource Development and Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching | MHRD | Teaching Learning Centre Ramanujan College ,University of Delhi 8-14 June 2020 |
| 13 | Spoken Tutorial, IIT Bombay an Initiative of NMEICT, MHRD, Govt of India | MHRD | E-Resource Development Cell SANATAN DHARMA COLLEGE ,Haryana 3-7 June 2020 |
| 14 | Introduction to Big Data Analytics(Online Live FDP) | ICT Academy | ICT ACADEMY 26-Apr-2021 to 30-Apr-2021 |
| 15 | Sponsored by Ministry of Human Resource Development and Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching | MHRD | Teaching Learning CentreRamanujan College,University of Delhi 11-5-2021 to 25-5-2021 |
| 16 | Organized by Department of Computer Science and Engineering of Vardhaman College of Engineering in Collaboration with BrainOvision Solution India PVT Ltd | | 22-5-2020 TO 26-5-2020 |

| DETAILS OF RESEARCH WORK | | |
|---|---|---|
| **Research Stages** | **Title of the Thesis** | **University where the work was carried out** |
| 1 | Content Based Retrieval of Soil Images Based on Texture Analysis | Mother Teresa Womens University ,Kodaikanel |

| AREAS OF RESEARCH |
|---|
| Image Processing |

## BOOK CHAPTERS (7)

| S. No | Title of the Paper | Name of the Book | ISSN No., Pg.No |
|---|---|---|---|
|  |  |  |  |

| PUBLICATIONS: SCOPUS INDEXED JOURNALS (0) WEB OF SCIENCE (0) | | | |
|---|---|---|---|
| S. No | Title of the Paper | Name of the Journal | ISSN No., Volume, Issue, Impact factor & Pg. No |
| 1 | Score Level Fusion Of Bimodal Emotion Recognition System Using Text And Speech | Turkish Journal of Computer and Mathematics Education Vol.12No. 10(2021), 1-12 | Vol.12No. 10(2021), 1-12 ISSN 1309-4653 |
| 2 | An efficient trapezoidal compression algorithm using wavelet transformation for medical image | Journal of Mathematical and Computational Science | ISSN: 1927-5307 VOL 11 PNO 2451-2456 |
| 3 | Performance Analysis of SPECK codec by DWT and IWT for Medical Image Compression | International Journal of Advanced Trends in Computer Science and Engineering | ISSN 2278-3091 2020 |
| 4 | Dominant Lexicon Based Bi-LSTM for Emotion Prediction on a Text | International Journal of Innovative Technology and Exploring Engineering (IJITEE), | ISSN 2278-3075  2019 |
| 5 | An Efficient LSTM and SVM based Fall Event Detection System for Elderly People | Turkish Online Journal of Qualitative Inquiry (TOJQI) | ISSN 528-541 Jan 2021 |
| 6 | Deep Learning Based Multi-Modal Emotion Recognition Using Feature Level Fusion Of Text Based On Selective Lexicon Block_CNN And | Webology, Volume 18, Special Issue on Artificial Intelligence in Cloud Computing April, 2021 | http://www.webology.org

ISSN: 1735-188X |

| S. No | | | |
|---|---|---|---|
| | Audio Based On Peak Frequency And Spatial Distance Ratio Histogram _DNN | | |

## PUBLICATIONS: UGC LISTED JOURNALS (0)

| S. No | Title of the Paper | Name of the Journal | ISSN No., Volume, Issue, Impact factor & Pg. No |
|---|---|---|---|
| 1 | ELDERLY CARE SYSTEM BASED ON VIDEO IMAGE PROCESSING – A SURVEY | International Journal of Computer Engineering and Applications(UGC Approved Journal) | Volume XII, Issue I, Jan. 18, www.ijcea.com ISSN 2321-3469 |
| 2 | Performance analysis of SPIHT codec on medical images using DWT and IWT. | International Journal of Computer Sciences and Engineering (UGC Approved Journal) | Vol.-6, Issue-11, Nov 2018 E-ISSN: 2347-2693 |
| 3 | Comparative analysis and implementation of ROI based medical image compression . | International Journal of Scientific Research and Review (UGC Approved Journal) | ISSN NO: 2279-543X Volume 7, Issue 11, 2018 |
| 4 | "An Efficient Fall Detection Method For Elderly Care System" | Journal of Analysis and Computation (JAC) | ISSN 0973-2861 Apr 2019 |
| 5 | "A Comparative Analysis Of Emotion Prediction On A Text By Cnn, Lstm And Bi-Lstm" | Journal of Emerging Technologies and Innovative Researh | ISSN 2349-5162 2020 |

## AS A RESOURCE PERSON (0)

| S. No | Name of the Event | Name of the Sponsoring Agency | Place and Date |
|---|---|---|---|
| 1 | Work Shop on MatLab | | 9-2-2018 Sri Sarada College for Women,Tirunelveli |
| 2 | Career Guidance and Personality Development | | 14-7-2018 St.Xavier's College ,Palayamkottai |

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|---|---|---|---|
| 3 | International Conference on Soft Computing and Optimizing Technique | | 9th &10th Aug 2019 Kamaraj College, Thoothukudi |
| 4 | Webinar on "Online Python Programming Practice" | | 30-10-2021 TAGORE COLLEGE OF ARTS &SCIENCE,Chennai |
| 5 | Web Development Using Sublime Text | | K.R.Arts&Science College, Kovilpatti |

| MINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP PAPER PRESENTED:  National (0) International (0) | | | |
|---|---|---|---|
| S. No | Name of the Event | Name of the Sponsoring Agency | Place and Date |
| 1 | Internal Quality Assurance Cell | NAAC Sponsored National Seminar | 7,8-10-2010 G.Venkataswamy Naidu College,Kovilpatti. |
| 2 | Satellite Image Edge Detection using Fuzzy Logic | UGC Sponsored National Conference | 9,10,11-12-2010 Nazareth MargoschisCollege ,Nazareth. |
| 3 | Classification of Soil Textures based on Law's feature Extraction | International conference | 15,16-12-2011 Karpagam University, Coimbatore |
| 4 | Content Analysis and retrieval of soil Images based on feature extraction | InterNational Conference on Advanced Computing | Jan 21 ,2014 Saradha college for Women,Tirunelveli |
| 5 | Texture analysis of  soil images based on digital filter  for image clustering | International Conference on Advanced Technologies in Computing ICTAC 2014 | 28 FEB 2014 Women's Christiancollege ,Nagercoil |
| 6 | Analysis of Heterogeneous pattern of soil Texture based on Fractal Lacunarity | InterNational Conference on Intelligent Computing Application | 6-7 Mar 2014 Bharathiyar University Coimbatore,Tamilnadu |
| 7 | Research Issues and Challenges in Image Processing | UGC Sponsored two days National level Seminar | Sep 12, 2014 G.Venkataswamy Naidu College,Kovilpatti. |
| 8 | Emerging Trends in Multidisciplinary Research | Organizing Member National Conference | Jan 10,2017 Rani Anna Govt College for Women,Tirunelveli |
| 9 | A Recent Survey of Lossless Image Compression Techniques | Inter National Conference on "Recent Advancements in Information Technology, Science & Technology | 14th&15th DEC 2017 A.P.C.Mahalakshmi College for Women,Thoothukudi |

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|---|---|---|---|
| 10 | Elderly Care System based on Video Image Processing | National Conference on Data Science ,Communication and Multimedia | NPR Arts and Science College,Natham,Tamilna |
| 11 | Recognition of Face Images Based on Feature Extraction | International Conference on Computational Science & its Applications | Sri S Ramasamy Naidu College ,Sattur,Tamilnadu 16th Mar 2018 |
| 12 | Analysis and Retrieval of Leaf Images Based on Feature Extraction | International Conference on Computational Science & its Applications | Sri S Ramasamy Naidu College ,Sattur,Tamilnadu 16th Mar 2018 |
| 13 | Analysis and Implementation of Lossless Image Compression for Various formatting Images. | International Conference on Computational Science & its Applications | 16th Mar 2018 Sri S Ramasamy Naidu College ,Sattur,Tamilnadu |
| 14 | Literature Survey of Various Image Compression Algorithm | International Conference on Advances in Pure & Applied Mathematics 2018 | School of Mathematics, Madurai Kamaraj University, Madurai. Sep 6-8,2018 |
| 15 | Comparative Analysis and Implementation of ROI based Medical Image Compression | International Conference on Cognitive IOT with Big Data and Cloud | School of Computing Sciences in association with Machine Intelligence and Data Analysis Research Centre 25-26 Oct 2018 |
| 16 | A Recent Survey on Sentiment Analysis | International Conference on Recent Trends in Science and Management | Faculty of Arts &Science ,BIHER& TECHOWN at Bharat Institute of Higher Education and Research 23-24 Nov 2018 |
| 17 | An efficient fall detection method for elderly care system | International Conference on Emerging Trends and Challenges-2018 | NPR Arts & Science College 28 Dec 2018 |
| 18 | Comparative Analysis and Implementation of Lossy Compression Techniques | International Conference on Recent Trends in Multi-Disciplinary Research | A.P.C.Mahalakshmi College for Women,Thoothukudi 27th&28th Feb 2020 |
| 19 | Hand Written Character Recognition using Neural Network | International Conference on Recent Trends in Multi-Disciplinary Research | A.P.C.Mahalakshmi College for Women,Thoothukudi 27th&28th Feb 2020 |

| **WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED: 0** |
|---|---|---|---|
| **S. No** | **Name of the Event** | **Name of the Sponsoring Agency** | **Place and Date** |
| 1 | Querying and its Tools Emerging Trends in Multi hristian ry Research | Rani Anna Govt College for Women,Tirunelveli | Jan 10th 2017 |
| 2 | A One day Research Orientation Programme for Research Supervisors of Manonmaniam Sundaranar University | ManonmaniamSundaranarUniversity,Tirunelveli | Nov 1st 2017 |
| 3 | One day National Level Workshop on Stimulating Research Perspectives on Big Data -NLWSRPBD'18 | Department of Computer Applications,Anna University Regional Campus-Tirunelveli | FEB 28th 2018 |
| 4 | International Conference on Advances in Pure & Applied Mathematics | School of Mathematics, Madurai Kamaraj University,Madurai, Tamil Nadu,India | 6-8-2018 |
| 5 | Online Certificate Course on E-Content Development | Research Center for English Language and Literature | 19-28 May 2020 |
| 6 | Webinar on IOT and ARTIFICIAL INTELLIGENCE under the online workshop on Rising Trends in Computer Science | Organized by U&PU Patel Department of Computer Engineering | May 21, 2020 |
| 7 | National Level Workshop on Google Apps for Education & Moodle | IQAC and Department of Commerce ,Rajaram College ,Kolhapur | 2nd& 3rd July 2020 |
| 8 | Two Day Online Workshop on Role of Deep Learning in Interdisciplinary Research | Dept. of MCA, Mepco Schlenk Engineering College, Sivakasi. | Feb 19 & 20 ,2021 |

**Date**                                                         **NAME: Dr.R.Shenbagavalli**