**KPR College of Arts Science and Research**

(Affiliated to Bharathiar University, Coimbatore)

Avinashi Road, Arasur, Coimbatore – 641 407

 **Faculty Profile**

**Name & Designation : Dr.S.Janarthanam**

**Department : Information Technology**

**Date of Joining : 01.02.2023**

**Experience @ KPR CAS : 4 Months**

**Total Experience : 14 years**

**Educational Qualifications : MCA., M.Sc., M.Phil.,Ph.D.**

**Address : No.3/147, Pichandampalayam, Polavakkalipalayam Post, Gobichettipalayam, Erode- 638476.**

**Date of Birth : 02.04.1986**

**Blood Group : O+ve**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No.** | **Qualifications** | **Year of Passing** | **Class** | **Specialization** |
| 1 | Ph.D | 2018 | Commended | Digital Image Processing |
| 2 | M.Phil | 2013 | Commended | Digital Image Processing |
| 3 | MSc | 2016 | I | Mathematics |
| 4 | MCA | 2009 | I | Computer Applications |
| 5 | B.Sc | 2006 | I | Mathematics |

**Course Expertise:**

|  |  |
| --- | --- |
| **S.No** | **Name of the Course** |
| 1 | Digital Image Processing |
| 2 | C/C++/Java/Python |
| 3 | Web Designing |
| 4 | Computer Graphics |
| 5 | Operations Research |
| 6 | Computer Networks |
| 7 | Digital Computer Fundamentals |

**Programmes Attended:**

**1. Conference (National/International)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.No | Title of the Programme | Presented paper title | Organized by | Event Date | Remarks |
| 1 | National Level Conference | Hypergraph Model Based Image Indexing UsingRelevance Feedback on Spatial Relationships | Maharaja Arts & Science college, Coimbatore | 25th Sep 2009 |  |
| 2 | National Level Conference | Texture Based Image Segmentation UsingHypergraph | Nehru Arts & Science college, Coimbatore | 5th & 6th Feb 2010 |  |
| 3 | National Level Conference | Texture Based Image Retrieval basedon Multistage Sub Image –Matching | Gandhigram Rural Institute- Deemed University, Gandigram | 12th & 13th Feb 2010 |  |
| 4 | National Level Conference | Texture Analysis on LowResolution Images Using Unsupervised Segmentation Algorithm by Multi-Channel LocalFrequency Analysis | D.J.Academy for Managerial Excellence, Coimbatore | 24th & 25th Sep 2010 |  |
| 5 | International Level Conference | Fast Pattern Discovery Method of Clustering forWeb Personalization | Thiagarajar School of Management, Madurai | 16th & 17th Dec 2010 |  |
| 6 | International Level Conference | Texture Analysis on LowResolution Images Using Unsupervised Segmentation Algorithm with MultichannelLocal Frequency Analysis | Konugu Engineering College, Perundurai | 27-29 Dec 2010 |  |
| 7 | International Level Conference | Distributed Content Based Image Retrial UsingNavigation Pattern with Relevance Feedback | Dr. NGP Arts & Science College, Coimbatore | 30th & 31st Jan 2013 |  |
| 8 | National Level Conference | Hypergraph Model Based Image Indexing UsingRelevance Feedback on Spatial Relationships | Dr. NGP Arts & Science College, Coimbatore | 21st Feb 2013 |  |
| 9 | NAAC Sponsored National Seminar | Quality Assurance in TertiaryEducation | Gobi Arts & Science College | 28th August 2010 |  |
| 10 | UGC SponsoredNational Level Seminar on “E-Governance: Issues and Challenges | Emerging E-Governance Challenges in Indian Continental | Gobi Arts & Science College | & 8th August,2009. |  |

**Seminar (National/International)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.****No** | **Title of the Programme** | **Organized by** | **Event Date** | **Remarks** |
| **1** | NAAC Sponsored National Seminar | Gobi Arts & Science College | 28th August 2010. |  |
| **2** | NationalConference on Advances in Computing &IT | Gobi Arts & Science College | Feb 2010 |  |
| **3** | IQAC enabled &DST Purse II Sponsored Two days International VirtualConference on Role and impact of science & technology | Annamalai University | 22nd and 23rd Nov 2021 |  |
| **4** | International e-Conference on “India – China Relation: GalwanPuzzle and Beyond | Department of Political Science and Department ofCivics and Politics University of Mumbai | 13-14 July, 2020. |  |

**Workshop (National/International)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No** | **Title of the Programme** | **Organized by** | **Event Date** | **Remarks** |
| **1** | Workshop on “Matlab Applications | Gobi Arts & Science College | 02nd Apr 2011 |  |
| **2** | UGC Sponsored Workshop on “Grooming for a Career | Gobi Arts & ScienceCollege | 23rd Feb 2013 |  |
| **3** | UGC Sponsored National Level Workshop on “Free Open-Source Software | Gobi Arts & ScienceCollege | 18th & 19th Aug 2017 |  |
| **4** | One day workshop on “Outcome Based Education | Gobi Arts & ScienceCollege | 1st Dec 2018 |  |
| **5** | Two days workshop on Data Analytics Tools for Analyze and Visualize datasets | Sona College of Technology | 14.12.2021 15.12.2021 |  |

**Faculty Development Programme**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No** | **Title of the Programme** | **Organized by** | **Date** **(from date – to date)** | **Remarks** |
| **1** | IT Finishing School-Training Programme | Bharathiar University | 20th to 23rd October, 2011 |  |
| **2** | One Day Training Cum Orientation Programme | Department of Linguistics, Bharathiar University | 30th Dec 2020 |  |
| **3** | AICTE-ISTE Sponsored One Week Induction / Refresher programme on -Role of ICT inTeaching- Learning Process | Department of Information Technology,Sanjivani College of Engineering, Kopargaon, Maharashtra | 5th May 2021 to 11th May2021 |  |
| **4** | Five Day’s International Online Faculty Development Programme on“Advanced Techniques in Computing Sciences and Applications | Saveetha College of Liberal Arts andSciences. | 19.11.2022 to 23.11.2022 |  |
| **5** | 5-Days Virtual FTP on Recent trends in research methodologies and Tools | KG College of Arts and Science | 10.10.2022 – 14.10.2022. |  |
| **6** | International Webinar on “Wireless Networks and the ns-3 NetworkSimulator | Ganpat University | 20th June 2020 |  |
| **7** | International Tech Conclave | BVIMEngineering College | 26th -30th 2020. |  |
| **8** | National Webinar on “Use of Elsevier Tools in Research Workflow | Department of Commerce, University of Madras | 5th May, 2020 |  |
| **9** | Five Days Online Faculty Development Program On ‘Mentoring andFacilitation Skills for Institutional Mentors | Department of Higher Education, Ministry ofHuman Resource Development, Govt. of India | May 27 - 31, 2020. |  |
| **10** | Five Days ‘Hand on Faculty Development Program on Data Science usingpython | Dept of Information Technology of Jeppiaar Institute of Technology | May 18-22,2020 |  |

**Programmes conducted:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.****No** | **Particulars** | **Title of the Programme** | **Date of the Programme organized** | **No of Participants attended** |
| **1** | Career oriented training program | **IT Finishing School Training Programme** | 23rd July 2010 – 19th Oct 2011 | 125 |
| **2** | Innovative Leaning program | **Japanese Language Training**  | June 2010-July 2011 | 75 |
| **3** | Career oriented training program | **Quantitative Aptitude Training** | June 2012- June 2014 | 400 |
| **4** | Workshop on FOSS | UGC Sponsored National level Workshop | 18-19th Aug 2017 | 200 |

**Publications**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.****No** | **Title of the paper published** | **Journal Name** | **ISSN/Volume/****Issue/pg. no** | **Date of the publication** | **UGC/Scopus/****peer reviewed** |
| **1** | Intellectual Data AggregationUsing Independent Cluster based Medicaid Method for Network FunctionalityFabrication | Indian Journal of Science and Technology | ISSN Print: 0974-6846; Electronic: 0974-5645.15(44), pp: 2432-2440 | Dec 2022 | SCI |
| **2** | Adaptive Learning Methodfor DDoS Attacks on Software Defined Network Function Virtualization | EAI EndorsedTransaction on Cloud Systems | ISSN: 2410-6895Volume 6, Issue 18, pp. 281 – 290 | Sep 2019 | Scopus |
| **3** | A Study on DeepLearning Strategies, Applications and Difficulties. | International Journal of AdvancedScience and Technology | 28(17), ISSN: 2207-6360 2207-6360, pp.262 - 269,  | Dec 2019 | Scopus |
| **4** | Idealistic Expert PositionalControl Responsive Assembling Method of WSN | International Journal of AdvancedScience and Technology | 28(17), ISSN: 2207-6360 2207-6360, pp. 253-261 | Dec 2019 | Scopus |
| **5** | Advanced Region DetectionTechnique to Enhance Accurate Abnormality Isolation of Cancer in Digital Images | AsianJournal of Computer Science and Technology | Vol.8 No.S1, pp. 28-32, ISSN: 2249-0701, | Feb 2019. | UGC |
| **6** | Privacy PreservativeDimensions of Machine Learning with Cypher Security Issues | International Journal ofEmerging Technologies and Innovative Research, | Vol.6, Issue 2, page no.355-361,ISSN:2349-5162,  | February-2019. | UGC |
| **7** | Region Based Hybrid ImageRetrieval using Local ordinal Features | International Journal of Engineering Developmentand Research | ISSN: 2312-9939 | February 2017 | UGC |
| **8** | Active Salient ComponentClassifier System on Local Features for Image Retrieval | Indian Journal of Science andtechnology, | Vol.10, Issue 26, page no.1-9, ISSN: 0974-5645 | July 2017 | UGC |
| **9** | Region Based Image RetrievalUsing Fuzzy oriented salience similarity estimation method | International Journal ofContemporary Research in Computer Science & Technology | ISSN: 2395-5325 | Sep 2017 | UGC |
| **10** | Interactive Genetic Algorithmwith Relevance Feedback for Content Based Image Retrieval | International Journal ofCurrent Research | ISSN: 0975-833X  | July 2016 | UGC |
| **11** | Effects of Low level visual features on CBIR: ASurvey | International journal of Advanced Innovative Research | ISSN: 2278-7844  | June-2015 | UGC |
| **12** | Dynamic Web ApplicationTesting With Clustered Leverages on User-Session Data | International Journal ofAdvanced Computer Applications | ISSN: 2231-251X,  | December 2015 | UGC |
| **13** | Interactive Data flow Analysisusing Web Application Testing on User Sessions | International Journal of AdvancedResearch in Computer Science and Software Engineering | ISSN: 2277 -128X,  | May 2014 | Peer Reviewed |
| **14** | Online Automatic SecurityTesting on Web Applications with User Sessions | International Journal of ComputerApplications in Engineering Sciences | ISSN: 2231-4946,  | June 2013 | Peer Reviewed |
| **15** | Optimal Edge Preservation in Volume RenderingUsing Canny Edge Detector | International Journal of Scientific & Engineering Research | ISSN 2229-5518,  | June-2013 | Peer Reviewed |
| **16** | Texture Analysis on Low ResolutionImages Using Unsupervised Segmentation Algorithm with Multichannel Local FrequencyAnalysis | IEEE Explore | ISBN: 978-81-8371-369-6, | March 2011 | Scopus |

 **Book / Book Chapter Publication**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Title of the Book/ Book Chapter** | **Publisher Name** | **ISBN Number** |
| **1** | Applications of Hybrid Regional Similarity Matching Methods Based on Grayscale images | Laser Point House, Coimbatore | ISBN: 978-93-92032-04-2 |
| **2** | Web Usability Remote Testing Methods Based on Genetics | Laser Point House, Coimbatore | ISBN:978-93-92032-05-9 |
| **3** | Essentiality of Artificial Intelligence for Digitization in Indian Banking Industry | Shanlax Press,Madurai | ISBN: 978-81-19042-52-4 |

**Proposals Sent**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  **S.No** | **Title of the proposal sent**  | **Funding Agency Name**  | **Budgeted Amount**  | **Sanctioned Amount**  | **Date of the programme** |
|  | **-** |  |  |  |  |

**Patents/Funds received**

|  |  |  |
| --- | --- | --- |
| **S.No** | **Title of the patent published** | **Published Date** |
| 1 | Artificial intelligence and iot based automatic yoga pose detection and Training system to provide systematic yoga training with better performance using machine learning and deep learning algorithms | 19.05.2023 |

**Acting as resource person:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No** | **Title of the Programme** | **Name of the College** | **Date** | **Remarks** |
| **1** | Digital Fundamentals | Shree Venkateshwara Arts and Science (Co-Education) College, Erode | 03-09-2020 |  |
| **2** | Global Recycle Day Reduce, Reuse, recycle | Gobi Arts & Science College, Erode | 18-03-2022 |  |
| **3** | Fuzzy Applications in Real Life | ShreeVenkateshwara Arts and Science (Co-Education) College, Erode | 19-09-2022 |  |

 **Achievement (Any)**

**Award/Recognition :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No** | **Award** | **Agency Name** | **Date** | **Remarks** |
| **1** | **Co-ordinator** | SSL | July 2010- Dec 2010 |  |
| **2** | Member in organizing committee | GASC - IQAC | 2010 |  |
| **3** | Programme officer | Clean brigade | 2016-2019 |  |
| **4** | Placement Officer | GASC | 2011-2014 |  |

**Signature of the Faculty**