KPR College of Arts Science and Research

(Affiliated to Bharathiar University, Coimbatore) Avinashi Road, Arasur, Coimbatore – 641 407

**Quality System Document Faculty Profile**

**Name & Designation** : **Dr.R.Kumuthaveni & Associate Professor**

**Department** : Computer Science

**Date of Joining** : 03.05.2023

**Experience @ KPR CAS** : 1 month

**Total Experience** : 14 years 6 months

**Educational Qualifications :** M.C.A., M.Phil., Ph.D., SET, NET

**Address** : 6-2, Kalapatti Road,

Kurumbapalayam,

Coimbatore-641107.

**Date of Birth** : 20 April 1981

**Blood Group** : B +positive

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| **S.No.** | **Qualifications** | **Year of Passing** | **Class** | **Specialization** |
| 1. | **NET** | 2021 | - | Computer Science & Applications |
| 2. | **Ph.D.** | 2019 | First | Speech Processing |
| 3. | **SET** | 2017 | - | Computer Science & Applications |
| 4. | **M.Phil.** | 2009 | First | Image Processing |
| 5. | **M.C.A** | 2007 | First | Computer Applications |
| 6. | **B.Sc.** | 2001 | First | Computer Science |

Course Expertise:

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| **S.No** | **Name of the Course** |
| 1. | Advanced Java Programming |
| 2. | RDBMS |
| 3. | Artificial Intelligence |
| 4. | IoT |
| 5. | C & C++ Programming |
| 6. | Operating Systems |
| 7. | Software Engineering & Testing |
| 8. | Cloud Computing |
| 9. | Data mining |
| 10. | Digital Image Processing |

Programmes Attended:

1. Conference (National/International)

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| **S.No** | **Title of the Programme** | **Presented paper title** | **Organized by** | **Event Date** | **Remarks** |  |
| 1. | International Conference on Intelligent Computing and Technology | A Survey on Crop Leaf Disease Segmentation Detection and Classification using Machine Learning | Dept of IT, Sri Ramakrishna College of Arts & Science, CBE. | 10.3.2023 |  | |
| 2. | National Level Conference on Scientific Input  Technological Advancement and Women Empowerment for Sustainable Development | A Review on Usage of Data Mining Techniques in Sustainable  Agricultural Development | Kongunadu Arts and Science College, Coimbatore | 2.2.2023- 3.2.2023 |  | |
| 3. | ICAC-2022 | A Review of Routing Protocols on Mobile Ad Hoc Networks | Bharathiar University, Coimbatore. | 3.3.2022- 4.3.2022 |  | |
| 4. | NCMLST-2020 | A Novel Guiding E-mailing System for Visually impaired People | Sri Krishna Arts and Science College, Coimbatore. | 12-02-2020 |  | |
| 5. | ICCIA-2K17 | Recognizing Emotions from Tamil Speech through MFCC Feature  Extraction and the Tamil words | Dr.SNS Rajalakshmi College of Arts and  Science, Coimbatore | 29-07-2017 |  | |
| 6. | NCAC 2016 | Emotional Speech Recognition through SVM-KNN for the Tamil Language | Bharathiar University, Coimbatore. | Sep-2016 |  | |
| 7. | NCCSP 2011 | Implementation of FFT based Algorithm for Automatic Image  Registration | Dr. SNS Rajalakshmi College of Arts and Science, | 29-07-2011-30-11-2011. |  | |

Workshop (National/International)

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| **S.No** | **Title of the programme** | | **Organized by** | **Event Date** | **Remarks** | |  |
| 1. | | International Workshop on Case Studies in AI and ML | PSGR Krishnammal College for Women | 17.11.2022 | |  | |
| 2. | | National Level Workshop on “Internet of Things from Protocol to Practice” | Department of CS, Kongunadu Arts & Science College, Coimbatore | 13.10.22 - 14.10.22 | |  | |

Faculty Development Programme

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| **S.No** | **Title of the Programme** | **Organized by** | **Date (from**  **date – to date)** | **Remarks** |
| 1. | Research Trends in Science & Technology | Department of Computer Applications (PG), Hindustan College of Arts & Science | 06.3.2023-11.3.2023 |  |
| 2. | Impact of Industry 4.0 on 21st Century Higher Education | IQAC and CDC of Kongunadu Arts & Science College | 01.03.2023 -08.03.2023. |  |
| 3. | Python with Data science | Department of CS(Aided), Kongunadu Arts & Science College | 13.02.2023-  14.02.2023 |  |
| 4. | Creative Thinking | **ICT** Academy at Kongunadu Arts & Science College | 05.01.2023-07.01.2023 |  |
| 5. | Advanced Computing Technologies | Department of CS(SF) NGM College, Pollachi | 25.07.2022-29.07.2022 |  |
| 6. | Cybersecurity Infrastructure Configuration | **ICT** Academy | 20.09.2021 - 24.09.2021 |  |
| 7. | Machine Learning Frontiers in Healthcare | **ATAL,** at National Institute Of Technology, Delhi | 26-7-2021- 30-7-2021 |  |
| 8. | Capacity Buidling of Women Leaders in Higher Education | **ATAL**, S.R.M. Institute of Science and Technology | 12-7-2021- 16-7-2021 |  |
| 9. | Web design course for Entrepreneurship | Dept of Comp Applns, Bharathiar University, CBE | 6.11.2020-19.11.2020 |  |
| 10. | Securities Market | Dept of Commerce, Dr.SNS Rajalakshmi College of Arts & Science, Coimbatore | 9 .08.2021 |  |

Programmes conducted:

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| **S.No** | **Particulars** | **Title of the programme** | **Date of the programme**  **organized** | **No of Participants**  **attended** |
| 1. | Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore | National Network Security Championshipin association with e-cell IIT Bombay |  | 120 |
| 2. | Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore | Industrial Level Summer Training Programme by Network Bulls and Red Map E-learning in partnership with E-cell IIT Bombay. |  | 150 |
| 3. | Kongunadu Arts and Science College | Induction Training for Data Entry Operators for Tamilnadu Police Department personnel | 23.09.2022 | 40 |
| 4. | Kongunadu Arts and Science College & Bharathiar University, Coimbatore | International Conference on ”Standpoint Interactive Dialogue on Gender concerns in Science and Technology, Rural Areas and Micro Violence” | 21.02.2023 | 350 |
| 5. | Kongunadu Arts and Science College, Coimbatore | International Women’s Day-2023-Unlock your Potential | 08.03.2023 | 250 |

**Swayam/ NPTEL Courses Completed**

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| **S.No** | **Title of the Course** | **Course Duration** | **Marks Obtained** | **Certification Awarded** |
| 1. | Programming in Java | Jul- Oct 2021 8 weeks | 83% | Elite -Certification |
| 2. | Cloud Computing | 8 weeks | 92% | Elite -Certification |
| 3. | Introduction to IoT | Jan-Apr 2019 12 weeks | 93% | Elite -Certification |
| 4. | Emotional Intelligence | Feb-Mar 2018  8 weeks | 69% | Elite -Certification |
| 5. | Soft Skills and Personality Development | Aug-Oct 2018  8 weeks | 67% | Elite -Certification |

Publications

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| **S.No** | **Title of the paper published** | **Journal Name** | **ISSN/Volu me/Issue/p**  **g. no** | **Date of the publication** | **UGC/Scop us/peer reviewed** |
| 1. | A Survey on Routing Protocols for Flying Adhoc Networks (FANETS) | Shodhasamhita : Journal of Fundamental & Comparative Research | ISSN: 2277-7067 Vol. VIII, Issue-II, No.8 | July – December 2022 | UGC Care |
| 2. | A Survey of Cyber Defense Data Mining Strategies | Sambodhi | Vol-44 No.-01 (XXI) PP.59-63 | 2021 | UGC Care |
| 3. | A Speech –Mail Assistance for Visionless, | PalArch’s Journal of Archaeology of Egypt / Egyptology | 17(12), 824-835 | 2020 | Scopus indexed. |
| 4. | Performance evaluation of pitch values for finding emotions in Tamil speech, | Int.J.Swarm Intelligence,  Inder Science Enterprises Ltd. | Vol.3, No.4, PP.261–275 | 2018 | Google Scholar |
| 5. | A Study on Automatic Speech Recognition, in Journal of Computational Information Systems | Binary Information Press Systems | 14: 4 | 2018 | UGC |
| 6. | Fuzzy Weight With Voronoi Centroid Vector Quantizer (FW-VCVQ) for Emotional Classifier with Tamil Speech Signals | International Journal of Pure and Applied Mathematics, | Volume 119 No. 18 | 2018 | UGC |
| 7. | Iterative Conditional Entropy Kalman filter (ICEKF) for noise reduction and Neuro Optimized Emotional Classifier (NOEC). Cluster Computing, | **Cluster Computing, Springer** | PP.1-17 | 2018 | **SCI-E indexed** |
| 8. | An Enhanced Bat Algorithm with Simulated Annealing Method for Speech Emotion Recognition | Jour of Adv Research in Dynamical & Control Systems | Issue-1(2017) PP.125-137 | 2017 | Scopus |

Signature of the Faculty