**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

INDIVIDUAL FACULTY DATA SHEET

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Name of Teaching Staff | Dr. V.Vijeya Kaveri | C:\Users\staff\Downloads\VIJAYA KAVERI.V.JPG |
| 2 | Designation | Professor |
| 3 | Department | CSE |
| 4 | Date of Joining the Institution | 18.03.2020 |
| 5 | Date of joining the present post | 18.03.2020 |
| 6 | Employee ID | CS20129 |
| 7 | AICTE ID | 1-3798435062 |
| 8 | Qualifications  | B.E | M.Tech | PhD |
| Class/Grade | I | I with Distinction | - |
| Specialization(faculty in which PhD awarded) | CSE | IT | Faculty of Computer Science and Engineering |
| 9 | Experience | In SKCET | Other Institutions | Total |
| 3 years 8 months | 21 years 5 months  | 25 Years 3 months |
| 10 | Residential Address | Block 2, G1 Shubanikethan Apartments, Rukkammal Colony , Coimbatore – 641034. |
| 11 | Contact Nos. | 9445006897 |  |  |
| 12 | Email | vijeyakaveriv@skcet.ac.in |
| 13 | Gender | Female |
| 14 | Community | OBC |
| 15 | PAN Number | AFDPV0793H |
| 16 | Aadhar Number | 314086599184 |
| 17 | Passport Number | T1486320 |
| 18 | Field of Interest | Machine Learning, Image Processing |
| 19 | Area of Research/Title of Ph.D. Thesis \* | Investigation on Mining Social Data to Understand Public Health Concern and Opinion on Controversial Health Topic  |
| 10 | PhD Guided. Give field & University | Yes/No | Field & University |
| Yes | Faculty of Computer Science and Engineering, Sathyabama University |
| 11 | No of PhDs Guided & Pursuing | Guided : NIL | Pursuing: Nil |
| 20 | Scopus ID | 56565591000 |
| 21 | Orcid ID | 0000-0003-2500-0763 |
| 22 | Publon ID |  ABH-3407-2020 |
| 23 | Papers Published(attach the list) | Total no of Journal Publications | Total no of Conference Publications | Scopus Indexed count | Web of Science count |
| 20 | 30 | 25 | 2 |
| 26 | Books Published | Specify the count(attach the list):6 |
| Patents(attach the list) | Filed | Published | Granted |
| 1 | 2 | 1 |
| 27 | Grants Received(attach the list) | No.of grants | Total Amount |
| 1 | **3,74,050** |
| 28 | Professional Memberships | 1.International Association of Engineers (IAENG) 240736 life time member. |
| 29 | Reviewers in national/International Journal | * Reviewer in Journal of Computer Science, Science Publications.
* Reviewer in Wireless Personal Communication.
* Reviewer in Applied Nano Science.
* Reviewer in Journal of Soft Computing
* Reviewer in ICACTA 2022 – (IEEE Conference)
 |
| 30 | Awards | * Best Faculty Award- Dept CSE-2010-2011
* Best Paper Award- Dept CSE-2018-2019
* Grants Received Award-Darshan 2022
 |
| 31 | MOOC Certifications (Attach the list) | NPTEL | 8 Module Course | UDEMY | COURSERA | OTHERS |
| 3 | - | 2 | 2 | 4 |
| 32 | No of Events Organized(Attach the list) | FDP | Guest Lecture | Workshop | STTP | Conference |
| - | 19 | 2 | - | 1 |
| 33 | No of Events Attended(Attach the list) | FDP | Guest Lecture | Workshop | STTP | Conference |
|  | 7 | 5 | 10 | - | 15 |

**Particulars of Educational Qualification: (*only completed*)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Category** | **Name of the Degree** | **Specialization** | **Year of Passing** | **Name of the College** | **Name of the University** | **% of Marks****/ Grades obtained** | **Class obtained** |
| UG | B.E | CSE | 1998 | VMKV Engg College , Salem | Madras University | 63.5 | Ist class |
| PG | M.Tech | IT | 2007 | - | Sathyabama University | 78.5 | First Class |  |
| Ph.D. | Ph.D. | CSE | 2019 | - | Anna Universit Sathyabama University | - | Highly Recommended |  |

**ACADEMIC EXPERIENCE:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the College** | **Designation** | **Joining Date** | **Relieving Date** | **Experience** |
| **Years** | **Months** | **Days** |
| K.S.R Engineering College | Lecturer  | 10.06.1999 | 10.06.2000 | 1 | 0 | 0 |
| Vinayaka It ParkX | System Analyst | 15.06.2000 | 15.02.2001 | 0 | 7 | 0 |
| Sathyabama Engineering College | Lecturer | 21.06.2001 | 21.06.2006 | 5 | 0 | 0 |
| Sathyabama Engineering College | Senior Lecturer | 22.06.2006 | 26.06.2007 | 1 | 0 | 4 |
| Sathyabam Institute of Science and Technology | Assistant Professor  | 27.06.2007 | 16.03.2020 | 13 | 9 | 17 |
| Sri Krishna College of Engineering &Technology,Coimbatore-8 | Professor | 18.03.2020 | Till date | 3 | 8 | 28 |
| **Total Experience** | 25 | 3 | 19 |

**FUNDED PROJECTS:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No** | **Funding Agency** | **Topic** | **Amount Sanctioned in Rs.** | **Year of Sanction** |
| 1 | MeitY QCAL-Cohort -2 | Leveraging Quantum Algorithms in Business Analytics for Revenue Security | 3.74 Lakhs | 2023 |
|  |  | Total | **3.74 L** |  |

**PUBLICATION IN JOURNALS**

**INTERNATIONAL JOURNALS:**

1. V.Vijeya Kaveri, Dhilsath Fathima.M, Justin Samuel S, Natchadalingam, R,“Majority voting ensembled feature selection and customized deep neural network for the enhanced clinical decision support system”,[International Journal](https://www.scopus.com/authid/detail.uri?authorId=56565591000&disabled) [of Computers and Applications,](https://www.scopus.com/authid/detail.uri?authorId=56565591000&disabled) ISSN : 1206212X, Online May 2022, PP.No.991- 1001.
2. [V.Vijeya](https://www.scopus.com/authid/detail.uri?authorId=57224323694) Kaveri, V.Meenakshi, V.Meena Devi, M.Sujaritha,” Object Tracking Glove”,Materials Today: Proceedings, 2022, 51, pp. 2525–2529.
3. V. Vijeya Kaveri , Dr.V.Maheswari (2019) , “A Framework for Recommending

Health-Related Topics Based on Topic Modeling in Conversational Data (Twitter) “ , Cluster Computing (CLUS), Springer , Indexed in Web of Science (SCIE),online ISSN: 1573-7543, **Impact Factor : 1.851.**

1. V.Vijeya Kaveri, V.Maheswari , “Mining Social Data to Identifying User Behavior in Medhelp Forum on Health-Related Topics “, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue- 2S3, July 2019, PP.No.1306-1310 .
2. V.Vijeya Kaveri, J.Jabez, P.Jeyanthi (2019),“Automated News Categorization Using Machine Learning Techniques”, Jour of Adv Research in Dynamical & Control Systems, Vol. 11, 07-Special Issue, 2019, PP.No.1423-1426.
3. V.Vijeya Kaveri, Natarajan S., “An efficient rekeying framework for group key management with video streaming”, Journal of Advanced Research in Dynamical and Control Systems, 2017, 2017(Special Issue 6), pp. 32–41.
4. Ms.Pavithra Elango, Ms.Maria NavisGodslin, Mrs.V.VijeyaKaveri, “Performance evaluation on data management approach for single cloud using MES (Modern encryption standard),Journal of Advanced Research in Dynamical and Control Systems, 2017, 9, pp. 1304–1310.
5. V.Vijeya Kaveri, R. Katamneni's,“An evolving biometric identification technology using IRIS code”,International Journal of Pharmacy and Technology, 2016, 8(2), pp. 11820–11833.
6. Varun Kumar E, Vignesh R, Kaveri v, “Integration of cloud & android with bluetooth and social network tracking of dementia patients”,International Journal of Pharmacy and Technology, 2016, 8(2), pp. 12179–12186.

**PUBLICATION IN CONFERENCES**

 **INTERNATIONAL CONFERENCES:**

1. V.Meenakshi,S.Radhika,V.Vijeya Kaveri,” IoT Based Coal Mine Safety and health Monitoring System”, Proceedings of the 2nd IEEE International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2023, 2023.
2. [Vijeya Kaveri, V.,](https://www.scopus.com/authid/detail.uri?authorId=57224323694) [Meenakshi, V.](https://www.scopus.com/authid/detail.uri?authorId=56902433300), [Ananth, S.](https://www.scopus.com/authid/detail.uri?authorId=57921013100), [Akshayavarshini, P.](https://www.scopus.com/authid/detail.uri?authorId=57921267900), [KavyaShree,](https://www.scopus.com/authid/detail.uri?authorId=57921137500) [B.](https://www.scopus.com/authid/detail.uri?authorId=57921137500)” Blockchain based Reliable Electronic Voting Technology “,3rd International Conference on Electronics and Sustainable Communication Systems, ICESC 2022 - Proceedings, 2022, pp. 1713–1717.
3. V.Meenakshi,M.Kavitha,V.Vijeya Kaveri, “T-Type Three Phase Inverter with Grid Connected System used in Renewable Energy Resources, 2023 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS),IEEE,2021.
4. V.Vijeya Kaveri, V.Meenakshi,Saran Karthik, Shri Ram S, “Classification of Malignant Melanoma using Convolutional Neural Networks“, Journal of Physics Conference Series,2021.
5. [Meenakshi, V.,](https://www.scopus.com/authid/detail.uri?authorId=56902433300) [Immanuel, D.G.](https://www.scopus.com/authid/detail.uri?authorId=55811634200), [Kavitha, M.](https://www.scopus.com/authid/detail.uri?authorId=56350579100), [Kaveri, V.V.,](https://www.scopus.com/authid/detail.uri?authorId=56565591000) [Selva Rex,](https://www.scopus.com/authid/detail.uri?authorId=57211414955) [C.R.E.](https://www.scopus.com/authid/detail.uri?authorId=57211414955),”Automatic Speed Controller of Vehicles Using Arduino Board”,Proceedings of the 2021 IEEE International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2021, 2021.
6. [Lavanya, P.](https://www.scopus.com/authid/detail.uri?authorId=57204931102), [Anusha, P.](https://www.scopus.com/authid/detail.uri?authorId=57386273100), [Kaveri, V.V.](https://www.scopus.com/authid/detail.uri?authorId=56565591000),”An Automated Security Approach of Image and Video Steganography”,[Lecture Notes in Electrical Engineering](https://www.scopus.com/authid/detail.uri?authorId=56565591000&disabled), 2021, 690, pp. 443–450.

**BOOKS PUBLISHED :**

1. Machine Learning and It’s Applications, ISBN: 9789357573887,

 Alpha International Publication, July 2023.

1. Internet of Things , Charulatha Publications, ISBN No: 978 - 93-5577-011-0,

 November 2021.

1. Problem Solving Technique using Python – First Year – Semester 1 – Academic

 2019 – 2020 - Sathyabama Institute of Science and Technology

**BOOK CHAPTERS:**

1.V.Vijeya Kaveri, V.Meenakshi, N.Kousika and A.Pushpalatha, “Investigation on Optical Sensors for Heart Rate Monitoring”, Book Chapter in Modelling and Optimization of Optical Communication Networks, Scrivener-Wiley , ISBN: 9781119839200 .

2.V.Vijeya Kaveri, V.Meenakshi, “Design and Implementation of Smart Home using IoT and Cloud”, Book Chapter in Smart Building Digitization , 1st Edition 2022, CRC Press , Taylor & Francis , E-ISSN 9781003240853.

3.V.Meenakshi,V.Vijeya Kaveri, G.Anbarasi Jebaselvan, “Grid-Interconnected Photovoltaic Power System with LCL Filter Feasible for Rooftop Terracing”, Book Chapter in Smart Building Digitization , 1st Edition 2022, CRC Press , Taylor & Francis , E-ISSN 9781003240853.

**PATENTS:**

1.IOT Integrated Printer, Indian Design Grant Patent, design N0. 367362-001 granted On 22nd December 2022.

2.Fabric Defect Detection Using Deep Convolutional Neural Network And Monitoring With Industrial Internet Of Things,202141031086 A, Published On 11th July 2021.

3.Automatic Smart Attendance Management System Based On Face Recognition Using Deep Learning,202141025155 A, Published On June 6th 2021.

4.A Safety Device For Stove Automation Using Iot Technology, File No. 201741044722, Filed On Dec 13th 2017 .

**EVENTS ORGANIZED:**

1.IEEE Conference 2022 Program Coordinator and Session In – Charge

2.18th Feb 2022, Technology and Innovation on Front end , Webinar , Online Mode by Ms.Rajashree Devaraj, Project Specialist,Conde nast India private limited, Bangalore.

3.15th Feb 2022, Innovation in Recent Technologies - Application of Artificial Intelligence and Machine Learning, Webinar Online Mode by Ms.Vijay Varshini Lakshmi Narayanan,MS Artificial Intelligence, Saint Louis University, St Louis, Missouri, USA.

4.17th August 2021, Multidisciplinary research perspective towards sustainable development goals, Webinar by Professor & HOD, Department of Wate Management , Sathyabama Institute of Science and Technology, Chennai.

5.17th July 2021, Life as a Full Stack Developer and Insights on Hacking, Webinar by Mr.J.Arun, Team Lead , Zoho, Chennai.

6.08th & 9th Septembe 2019, Hackathon - Deep Learning in association MGH labs, IITM Research Park .

7.4th & 5th September 2019, Mobile Application Development by Microsoft Club.

8.21st & 22nd August, Introduction to Computer Hardware , in association with Awishkar Labs.

9.31st july, 2019 , Alumini Talk by Ms,Chiamala Aravamudhan (2001-2005 Batch), CEO, cSoft Technologies Pvt., Ltd., Bangalore .

10.13th & 14th july 2019, IOT with Rasberry Pi by Microsoft Club .

11.21st – 22nd Aug 2017 , IOT with Rasberry Pi , in association with CSI .

12.29th & 30th January 2019, conducted a workshop on Machine Learning as Microsoft Campus Club Coordinator.