

PERSONAL INFORMATION

Name	Ms.J Kavitha
Years of Experience	Teaching: 7 Years
Email Id	kavitha.j@bvrithyderabad.edu.in
Areas of Specialization	Cloud Computing



EDUCATIONAL QUALIFICATIONS

Doctoral Degree (Pursuing)	Ph.D.	Computer Science and Engineering
PG Degree	M.Tech.	Computer Science and Engineering
UG Degree	B.Tech.	Computer Science and Engineering

Books

- Published a Book titled “**Cloud Computing Basics**” in Book Pen, H.S.R.A Publications. ISBN 978-93-5506-239-0. April 2022.
- Published a Book titled “**Cripthographics Based Enhanced Encryption by Function and Bit Flipping**” in Dodo Books Indian Ocean Limited, member of the Omniscryptum S.R.L Publishing group. ISBN 978-620-4-73106-3. December 2021.

Patent

- Title of the invention: **DESIGN AND DEVELOP ALARM CLOCK USING AI AND CLOUD DATABASED.** on 17/06/2022.
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- Title of the invention: **SYSTEM AND METHOD FOR DYNAMIC RESOURCE ALLOCATION IN CLOUD COMPUTING** on 01/04/2022
- Title of the invention : **EMOTION RECOGNITION AND NOTIFICATION USING MACHINE LEARNING AND AI** on 19/11/2021.
- Title of the invention : **GAMING FRAMEWORK DESIGN FOR CHILDREN WITH CEREBRAL PALSY** on 10/12/2021.

Papers Published/Presented in National/International Journals/ Conferences:

- Published a Paper titled **“Dynamic resource allocation in cloud infrastructure using ant lion-based auto- regression model”** in **International Journal of Communication Systems**, doi.org/10.1002/dac.5071, **Science Citation Index**, ISSN / eISSN: **1074-5351 / 1099-1131**, **January 4th 2022**.
- Published a Paper titled **“A Novel Artificial Neural Network Algorithm for Prediction of Natural Gas Prices using Machine Learning”**, **Fourth International Conference on Smart Systems and Inventive Technology (ICSSIT-2022)**.
- Published a Paper titled **“An Analytical Hierarchy Process Investigation on high Speed Data Implementations using Big Data”**, **12th Edition International Conference on Computer Communication and Informatics-2022**
- Published a Paper titled **" Collaborative Filtering and Regression Techniques based location Travel Recommender System based on social media reviews data due to the COVID-19 Pandemic"**, in **IOP Conference Series: Materials Science and Engineering**, doi:10.1088/1757-899X/981/2/022009, **ELSEVIER, Scopus**. December 2020.
- Published a Paper titled **" Detecting Faults within a Cloud Using Machine Learning Techniques"**, in **IOP Conference Series: Materials Science and Engineering**, doi:10.1088/1757-899X/981/2/022029, **ELSEVIER, Scopus**. December 2020.
- Published a Paper titled **" A Study on Data Prevention Approaches for Cloud Computing"** in **International Journal of Future Generation Communication and Networking(IJFGCN)**, ISSN: 2233-7857, **Web of Scinece**, Vol. 13, No. 4, (2020), pp. 637–643. September 2020.
- Published a Paper titled **" A Job Recommendation and Prediction with Uncertainty Estimation Using RNN"** in **International Journal of Advanced Science and Technology (IJAST)** ISSN : 2005-4238, **Web of Scinece**, Vol. 29, ISSN No. 11s, (2020), pp. 1203-1208, June 2020.
- Published a Paper titled **"Collaborative Filtering Technique for QoS Recommendation in Cloud Services "** in **The International Journal of Analytical and Experimental Modal Analysis(IJAEMA)**, ISSN NO:0886-9367, **UGC Care Group II Journal**, Volume XII, Issue II, FEBRUARY 2020. Pages: 3225-3231.
- Published a Paper titled **"An Efficient and Dynamic Path Reconstruction with Routing Topology Recovery in Wireless Sensor Networks"** In **Dogo Rangsang Research Journal**, ISSN : 2347-7180, **UGC Care Group I Journal**, Vol-9 Issue-3 Sept - Dec 2019. Pages: 83-89.
- Published a Paper titled **“Improved Data Security for Storing and Authenticating in Cloud using ERSA Algorithm “** in **International Journal of Innovative Technology and**

Exploring Engineering (IJITEE) ISSN: 2278-3075, **ELSEVIER, Scopus**, Volume-8, Issue-12S, October 2019. Pages: 863-867.

- Published a Paper titled " **Energy Efficiency Analysis between Green Computing and Cloud Computing**" in International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, **ELSEVIER, Scopus**, (Volume-8 Issue-3S2, October 2019, Pages: 254-258).
- Published a Paper titled " **A Survey on energy-efficient useful resource allocation based on various optimization techniques for Cloud Computing**" in Journal of Advances Research in Dynamical and Control Systems ISSN 1943-023X- **ELSEVIER, Scopus** (Issue 04-Special Issue, May 2018, Pages : 550-559).
- Presented a Paper titled " **A Comprehensive enhancement on secured deduplication in cloud storage**" in **International Conference on "Computational Intelligence , Networks & IOT" (ICCNIOT-2018)**.

Conferences Attended

- Attended a conference " **Customer Engagement through Social Media and Big Data Pipeline**" in 3rd International Conference on Image Processing and Capsule Networks (ICIPON-2022), from 20th to 21st May 2022.
- Attended a conference " **An Analytical Hierarchy Process Investigation on high Speed Data Implementations using Big Data**" in International Conference on Computer Communication and Informatics (ICCCI2022), from 25th to 27th Jan 2022.
- Attended a conference " **A Novel Artificial Neural Network Algorithm for Prediction of Natural Gas Prices using Machine Learning**" in 4th International Conference on Smart Systems and Inventive Technology (ICSSIT 2022) from 20th to 22nd Jan 2022.

Book Chapters

- Published a Book Chapter titled " **Advances in Engineering and Sciences**", in Integrated Publications, ISBN 978-93-93502-34-6, February 2022. Pages: 43-53.
- Published a Book Chapter titled " **Development of IoT based Smart Alert System for Flood**", in ANVI BOOKS & PUBLISHERS, Recent Developments in Engineering and Technology, ISBN 978-81-946168-4-9, December 2020. Pages: 257-265.

MEMBERSHIP

- Member of Computer Society of India (CSI)
- Indian Society for Technical Education (ISTE)

Workshop's/FDP's/STTP's/Seminar's Attended

- Attended a One Day National Level Online Workshop on “**Origin Software**” on 28th May 2022, Conducted by Department of Basic Sciences and Humanities, BVRIT Hyderabad College of Engineering for Women, Hyderabad.
- Attended A One Week International FDP on “**Frontiers of Data Science in Trending Technologies**” by Mahatma Gandhi Institute of Technology(A) from 9th May to 13th May, 2022.
- Attended A Five-Day National Level Faculty Development Programme organised by Department of Computer Applications, Presidency College, Bengaluru, from April 25, 2022 to April 29, 2022..
- Attended A Seven day Online Workshop on “**Data Science and Machine Learning**” organized by SR University during 27th September to 1st October 2021.
- Attended A Two Day Online Workshop on “**Write Research Article Using LaTeX**” conducted on 27th Dec-28th Dec 2021.
- Attended A Seven day Online Workshop on “**Entrepreneurship and Innovation**” organized by ExceedS Academy Abhyas Online held during 3rd February to 9th February 2021.
- Attended A Five day International Workshop on " **Accelerate Research**", organized by Anurag University Hyderabad, conducted online during 22nd – 26th , September 2020.
- Attended A Five day Online Faculty Development Program on "**Cloud Infrastructure and Virtualization**" conducted by Institute of Aeronautical Engineering, from 25th-29th May 2020.
- Attended A Three day Online Faculty Development Program on "**Cloud Datacentre Infrastructure**", organized by Department of Computer Science and Engineering, Kallam HaranadhReddy Institute of Technology in collaboration with Computer Society of India, from 18th-20th May 2020.
- Attended A One day Webinar on " **Blockchain Technology for New Era of Higher Education**" organized by Blockchain Study Circle, Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, Uttar Pradesh, INDIA.
- Attended A One day online training program on “**A Webinar on Virtual “A Webinar on Virtual Classroom Management using Microsoft Teams**”, organized by LakiReddy Bali Reddy College of Engineering (Autonomous) JNTUK, Kakinada.
- Attended A Three day Online Workshop on "**Research Methodology**" organized by

REST Society for Research International (RSRI), Krishnagiri, Tamil Nadu, India, from 18th - 20th April 2020.

- Attended A One day Workshop on "**Machine Learning Opportunities in future**" conducted by ICTIEE Sixth International conference Hyderabad, on 6th January 2019.
- Attended A One Week National Level Faculty Development Programme on "**PYTHON PROGRAMMING**" in association with Webcognize Softech Pvt. Ltd., Hyderabad, from 10th to 15th December 2018.
- Attended A Five day Workshop on "**Advanced Android Development Training and Design Thinking**" conducted by Google Developers Hyderabad, from 28th August to 1st September 2018.
- Attended A Four day Faculty Development Program on "**IBM CE- Enterprise Application Development and Deployment on Cloud using IBM BlueMix**" Conducted by IBM Career Education Program held at MallaReddy Engineering College (Autonomous) Hyderabad, from 19th – 22nd February 2018.
- Attended A Three day Course Workshop on "**Research Methodology**" Conducted by KL University from 4th to 6th January 2018.
- Attended A Five day Faculty training on "**Android Developer Fundamentals Faculty Training**" Conducted by Google Developers from 4th to 8th December 2017.
- Attended A Five day Faculty Enablement Program on "**Foundation Program 5.0**" conducted by Infosys Limited at MLR Institute of Technology , Dundigal, Hyderabad, from 2nd to 6th January 2017.
- Attended A Three day Pedagogy Training Programme on "**Sharpening Teaching Competence**" **under TEQIP-II S.C 1.1** conducted by MREC(A), Secunderabad, from 21st to 23rd July 2016.

NPTEL Certifications

- NPTEL Online Certification for successfully completing the course "**Software Testing**" April 2022.
- NPTEL Online Certification for successfully completing the course "**Object Oriented and Analysis and Design**" Sep 2021.
- NPTEL Online Certification for successfully completing the course "**Cloud Computing**" April 2020.
- NPTEL Online Certification for successfully completing the course "**Software Engineering**" Oct 2019.

- NPTEL Online Elite Certification for successfully completing the course "**Data Base Management System**". April 2019

COURSERA Certifications

- Coursera Online Elite Certification for successfully completing the course "**Data, Data, Everywhere**". 25th June 2022

Awards/Achievements/Certifications

- Certificate of Participation in "**IP Awareness/Training Program**" under National Intellectual Property Awareness Mission, on 17th June 2022.
- Certificate of Participation on Online Quiz Programme on **INFORMATION RESOURCES AND RESEARCH METHODOLOGY** and successfully completed with a passing score of 100%. Organized by the *Department of Library and Information Science*, *Islamiah College (Autonomous), Vaniyambadi*, on 31st May 2020.
- Certificate of Successfully completed Online Quiz on "**Research Methodology**" organized by Department of Computer Science and Engineering, KLE College of Engineering & Technology, Chikodi, on 30th May 2020.
- Certificate of Successfully completed Online Quiz on "**Test your knowledge on NBA Criteria's**" *conducted with 100%*, organized by MLR Institute of Technology on 5th May 2020.
- Certificate of Achievement for successfully completed "**Research Methodology program organized**" by I.Q.A.C , Vignana Bharathi Institute of Technology, Aushapur(V), Ghatkesar (M), Medchal (D), on 23rd May 2020.
- Certificate of Participation in E-Quiz on "**Artificial Intelligence and Robotics**", Organized by the Department of Instrumentation and Control Engineering in association with Instrument Society of India (ISOI)- Students Chapter, on 23rd May 2020
- Certificate of Appreciation successfully attempted a Quiz on "**Information Communication Technology (ICT)**" conducted by Bharat College of Engineering, Badlapur (W) with a score of **87%**, on 18th May 2020
- Certificate of Participation in "**E-Quiz ON RESEARCH METHODOLOGY & STATISTICAL ANALYSIS**", on 17th May 2020.

- Certificate of Appreciation for successfully completed the **“Faculty Awareness Programme on Outcome Based Education (OBE) and NBA Accreditation”** organized by Sinhgad Institute of Technology and Science, Narhe,Pune on 7th May 2020
- Certificate of Appreciation for excellent performance in **“World IPR day online quiz-2020”**, Presented by School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai, India, in association with Unnat Bharat Abhiyan (UBA), on 26th April 2020.
- Successfully passed the **Pre PhD Exams** held in July 2018.
- Certificate of Appreciation as Coordinator in organizing the **" Vishesh -2K18"** held at MallaReddy Engineering College (Autonomous) Hyderabad, on 15th September 2018.
- Successfully passed the IBM Academic Certificate exam for **“Data Scientist Mastery Award for Educators (20177 v2)”** on 25th May 2018.
- Certificate of Appreciation as Coordinator in organizing the **"Blind Coding, Vishesh - 2K17"** held at MallaReddy Engineering College (Autonomous) Hyderabad, on 15th September 2017.
- Certificate of Appreciation as Coordinator in organizing the **IUCEE-SCALE** Regional Workshop 2017, on the Theme **“Transformative Youth & Engineering Education: Towards sustainable future”** held at MallaReddy Engineering College (Autonomous) Hyderabad, from 7th to 9th September 2017.