CURRICULUM VITAE

Dr.R.KAVIARASI
Assistant Professor
Department of Computer Applications
University College of Engineering
Bharathidasan Institute of Technology Campus,
Anna University,
Tiruchirappalli 620 024
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➢ **Research Area:**
   ▪ Data Mining, Machine Learning & Data Science

➢ **Educational Qualifications:**

Qualification	College/University	Year of completion	Percentage	Class
Ph.D	Anna University, Chennai	2021		
MCA	Adhiparasakthi Engineering College, Melmaruvathur, Anna University	2008	78%	First Class with Distinction
BSc (Computer Science)	Cauvery College for Women, Tiruchirappalli, Bharathidasan University	2005	68%	First Class

➢ **Teaching and Research Experience:** As on April 2024**,** 15 years 1 Months

➢ **Awards / Honours Received:**

1. Received certificate of Appreciation as the Member of Rehearsal Committee for the smooth and successful conduct of the Graduation Day'22.

2. Received Certificate of Appreciation for 100% Result in the subject of "*Information Retrieval Techniques, Data Structures and Algorithms & Cryptocurrency and Blockchain Technologies*" for the academic year 2022 - 2023.

3. Received Certificate of Appreciation for 100% Result in the subject of "Data Structures and Algorithms" for the academic year 2020 - 2021.

4. Received Mentorship Certificate for "Developing Android App And Mobile Responsive App" for four teams during the 100 days long Covid'19 National Bio Informatics Online Hackathon from 29th April 2020 to 03 August 2020 event.

5. Received Certificate of Appreciation for 100% Result in the subject of "*Mobile Computing*" for the academic year 2018 –2019.

6. Received certificate of Appreciation as the Member of Chief Guest Committee for the smooth and successful conduct of the Graduation Day'18.

➢ **Additional / Academic Responsibilities at University:**

1. Anti-Ragging Committee Member since 2022
2. Department Cultural coordinator since 2023
3. Department Sports Coordinator Since 2024
4. Department Final year Project Review Committee Member (2019-2024)
5. Department Bridge course Coordinator (2020-2023)
6. NBA specific file In charge in the duration of 2017-2020
7. Department Placement Coordinator (2017-2018)
8. Department NBA Coordinator (2011 -2013)
9. Department AICTE Coordinator (2011-2012)
10. Department 'Manam' club coordinator in the duration of 2011 to 2012

➢ **Membership of Scientific and Professional Societies:**

1. Life Member in International Association of Engineers

2. Life Member in Society of for Reliability and Safety

➢ **Completed PG/UG Projects:**

a. Number of PG Projects Completed: 35 Nos

S. No	Student Name	Project Title	Year of Completion
01	Ashok N	Real - Time Hand Gesture Recognition Via Computer Vision Mechanisms	2024
02	Mahalakshmi M	Enhancing Web App Detection With	2024

		Machine Learning	
03	Sriram S	A Secure And Private Voting Scheme Using Block chain Technology	2024
04	Mohanan P	An Advanced Self-Assessment System For Screen Proximity Perception	2024
05	Venugopal A	Smart Cities and Forest Fire Detection Using CNN Algorithm	2024
06	Vignesh S	Cyber protector: Advanced Machine Learning Algorithm For Phishing Website Monitoring	2024
07	VijayaSri N	Road Fissures Detection using Deep Learning Algorithm	2024
08	Nithiyakumar T	Breast cancer Prediction with diagnosis from ultra sound image using convolutional neural network algorithm	2023
09	Vigneshwaran M	Multiple Cardio Vascular Disease Prediction Using Machine Learning Classifiers	2023
10	Ganesh D	Bonafide News Detection using Machine Learning Classifiers	2023
11	Mangaiyarkarasi T	Patient Care Portal for Health Care Industry using Machine Learning	2023
12	E K Dhilipan	Skin Diseases Detection using Convolutional Neural Network	2023
13	Ragul E	Water Harvesting and Management in Rainy Season with Help of Smart Irrigation System using IOT	2022
14	Deepthi G	Accuracy of Machine Learning Based COVID19 Immunity and Survival Analysis	2022
15	Pavithra H	Secure Authentication Using Image Shield Protection	2021

16	Sankeetha V	Block Cyber bullying Words Using Short Text Classification In Online Social Networks	2021
17	Maya Kannan S A	Keystroke With Data Leakage Detection Secure Email Authentication	2021
18	Gayathri K	Tracking Of College Bus Location Using Android Applications	2021
19	Oviya R	Grabble Detect System	2020
20	E Arivazhagan	Ledger Conservancy For Legal Official	2020
21	Sowmiya A	Paddy Leaves Disease Prediction With Fertilizer Recommendation	2020
22	K Umamaheswari	Enhanced Learning Application For Pre And Primary Children	2019
23	Leoprabu A	Highways Department Service Register Book Conservation For E-Government	2018
24	P Dhanalakshmi	Risk Factor Classification Of Adenocarcinoma Cancer Using Clustering Algorithm	2017
25	Senthamil Selvan G	Extraction Of Patient Record From Large Categorical Data	2015
26	Surya R	Ubiquitous Data Accessing Method In IOT Based Information System For Emergency Medical Services	2015
27	Rifash A	Gray Scale Image Enhancement For Breast Cancer In Mammogram Using PSO	2015
28	Priyadharshini	An Efficient Data Mining Manner For Detection And Prevention Of Cancer Prediction System	2015
29	Dineshkumar S	Online Fashion Shopping Via Digital Technology	2015
30	S Mohana Priya	Alert Controling Structure Using Android Hand Held Device	2013
31	K Suganya	Hccb Data Encoding And Decoding Data From Mobile	2013

32	S Anitha	A Sms Based Security Providing For An Email Id By Creating An Email Server	2013
33	B Sivakumar	Modularized Virtual Learning Environment	2012
34	R Senthilkumar	Efective Distributed Scheduling Of Parallel Workloads On Cluster	2012
35	M Indumathi	A Grouping Technique For Metadata Prefetching In Large Document Storage System	2012

> **Publications:**

a. **Books / book chapters:**

1. R.Kaviarasi (2015) 'Visual Programing Using C++: Practical Approach', ISBN/ISSN No 972- 93-82899-52-1.
2. R.Kaviarasi (2015), "International Conference on Advancements in Computing and Communication Technologies", ISBN/ISSN No: 978-93-8899-54-0.

b. **International Journals:**

1. R. Kaviarasi (2022), "Accuracy of Machine Learning Based Covid19 Immunity and Survival Analysis", International Journal of Research Publication and Reviews, Vol. 3, No. 8, IF: 5.536, PP 224-2128.
2. R.Kaviarasi (2022), "Water Harvesting and Management in Rainy Season with help of Smart Irrigation System using IOT", IJRPR, Vol.3, No.15, IF: 5.536, PP 2051-2057.
3. R.Kaviarasi (2021), "Prediction System for the Lung Cancer Patients and Classification Accuracy Enhancement using Ensemble Method", Journal of Medical Imaging and Health Informatics, Volume 11, Number 3, March 2021, IF:0.659, DOI: 10.1016/j.ijmedinf.2017.09.013, pp. 856-862(7).
4. R.Kaviarasi (2019), "Accuracy Enhanced Lung Cancer Prognosis for Improving Patient Survivability Using Proposed Gaussian Classifier System", J Med Syst 43, 201 (May 2019), 0148-5598 / 1573-689X, IF: 4.920, DOI: 10.1007/s10916-019-1297-2, PP. 1 - 9.

5. R.Kaviarasi, (2019), "Enhanced Learning Application for Pre & Primary Children", IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661, p-ISSN: 2278-8727, Volume 21, Issue 3, Ser. I (May - June 2019), IF: 3.712, DOI: 10.9790/0661-2103011317, PP 13-17.

6. R.Kaviarasi, (2018), "Highways Department Service Register Book Conservation For E-Government", International Journal for Science and Advance Research In Technology (IJSART) - Volume 4 Issue 6 – JUNE 2018 ISSN [ONLINE]: 2395-1052, IF: 7.883, PP.360-364.

7. R.Kaviarasi (2017), "Near The Beginning of Non-Small Cell Lung Cancer Avoidance in Human Way of Life Risk Factors Classification Using Clustering Algorithm in the R Environment", International Journal of Advanced Research and Computer Science, Volume 8, No. 5, May – June 2017, ISSN No. 0976-5697, IF: *7.146, DOI: https://doi.org/10.26483/ijarcs.v8i5.3523,* PP.1023 -1026.

8. R.Kaviarasi, (2013) "HCCB data Encoding and Decoding Data From Mobile" CiiT International Journal of Digital Signal Processing, Vol 5, No 3 , PP 92-96.

9. R.Kaviarasi (2013) "Alert Controlling Structure using Android Hand Held Device" CiiT International Journal of Automation and Autonomous System, Vol 5, No 2, PP 80-83.

10. R. Kaviarasi (2013) "A SMS Based Security Providing for an Email ID by Creating an Email Server" IJCSI International Journal of Computer Science Issues ,Vol.10 ,Issue 2 , PP 49-52.

c. **National Journals/ Conferences**

1. R.Kaviarasi (2016), "Recognition and anticipation of cancer and non-cancer prophecy using data mining approach", Proceedings of ICETETS 2016, Kings College of Engineering, Thanjavur, India, 24-26, February 2016, PP. 166-169.

2. R.Kaviarasi (2015), "An Efficient Data Mining Manner for Detection and Prevention of cancer Prediction System", Proceedings of (ICACCT'15), UCE, BIT Campus, Tiruchirappalli, ISBN No. 978-93-8899-54-0, PP. 42-48.

3. R.Kaviarasi (2015) Extraction Of Patient Record From Large Categorical Data Using Outlier Detection, Proceedings Of International Conference Multicon'15, Muthayammal Engineering College Rasipuram, PP. 29 -30.

4. R.Kaviarasi (2015), "Gray Scale Image Enhancement for Breast Cancer in Mamogram using ISO", Proceedings of (ICACCT'15), UCE, BIT Campus, Tiruchirappalli, ISBN No. 978-93-8899-54-0, PP.413-416.

5. Kaviarasi.R (2012) "Modularized Virtual Learning Environment" Proceeding of National Conference On Green Computing NCGC-2012, Annapurna Engineering College, Salem,PP. 70.

➤ **List of Seminar / Short Term Course /FDP/ Workshop organized:**

1. National level workshop on Data Analytics for Geosciences, Healthcare and Society from 22.09.2016 to 23.09.2016 at UCE, BIT Campus, Trichy.

2. Two day workshop on Android Application Development from 12.09.2013 to 3.09.2013 at UCE, BIT Campus, Trichy.

3. TEQIP – II Sponsored Short Term Training Programme on Innovations in Computer Assisted Language Learning from 22.09.2014 to 23.09.2014 at UCE, BIT Campus, Trichy.

4. Two days' workshop on Big data Analytics using Hadoop from 26.03.2015 to 27.03.2015 at UCE, BIT Campus, Trichy.

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended:**

1. DST Sponsored workshop on "Data Science Research" from 03.11.2016 to 05.11.2016 at National Institute of Technology, Tiruchirappalli.

2. Centre for Faculty Development sponsored One day workshop on "Research methodology" on 27.01.2015 at Anna University, Chennai

3. DBT Sponsored on "Research focus on Big Data in Bioinformatics" from 09.01.2015 to 10.01.2015 at Kongu Engineering College, Erode.

4. TEQIP – II Sponsored "Two days Industrial Workshop on Business Analytics Using R" from 02.09.2016 to 03.09.2016 at UCE, BIT Campus, Trichy

5. TEQIP –II Sponsored on "Top Tech Trends (T3) Driving the Future Information Technology (DFIT)" from 30.06.2016 to 13.07.2016 at UCE, BIT Campus, Trichy.

6. UGC Sponsored on 82_{nd} Orientation Programme from 20.05.2014 to 16.06.2014 at Bharadhidasan University, Khajamalai Campus, Tiruchirappalli.

7. TEQIP –II Sponsored on "Digital Image Processing-DIP'13" from 25.07.2013 to 31.07.2013 at UCE, BIT Campus, Tiruchirappalli.

- **National / International Conferences organized / Participated:**
   1. Participated in Research Support Conclave 2020(RSC 2020) presented the title of "PREDICTION SYSTEM IN THE LUNG CANCER PATIENT'S CLASSIFICATION ACCURACY ENHANCEMENT USING ENSEMBLE METHOD" on 08.01.2020 to 10.01.2020 at Coimbatore institute of Technology, Coimbatore.
   2. Participated in ICETETS 2016 and presented the title of "Recognition and anticipation of cancer and non-cancer prophecy using data mining approach", Proceedings of ICETETS 2016, Kings College of Engineering, Thanjavur on 24-26 Feb 2016.
   3. Organized International Conference on Advancements in Computing and Communication Technologies from 10.04.2015 to 11.04.2015 at UCE, BIT Campus, Trichy.

- **Professional recognitions:** (details like chairperson/member of a committee, reviewer, editor ...etc)
     - Reviewer of Springer Nature
     - Reviewer of Advances in Science, Technology and Engineering Systems Journal

(A) Chairperson for conferences / Seminar / Technical symposia:

- Acted as Session chair for NATIONAL CONFERENCE ON EMERGING TRENDS IN ENGINEERING MANAGEMENT on 01-04-2011 02-04-2011 in the title of EMERGING TRENDS IN COMPUTER TECHNOLOGIES at Anna University of Technology, Tiruchirappalli.
- Acted as Session Chair for International Conference on Advancements in Computing and Communication Technologies on 12.04.2015 at University College of Engineering, BIT Campus, Tiruchirappalli -620 024.
- Acted as Judge in the event of Technical Quiz for One Day National level Technical Symposium – Techgyan 2K18 on 08th March 2018 at University College of Engineering, BIT Campus, Tiruchirappalli – 620 024.

(B) Guest lectures delivered:

- Lectures delivered in the title of "APPLYING BIG DATA ANALYTICS IN HEALTHCARE" for workshop on DATA ANALYTICS FOR GEOSCIENCES, HEALTHCARE AND

SOCIETY on 22-09-2016 at University College of Engineering, BIT Campus, Tiruchirappalli.

- Guest Lectures delivered in the title of "Machine Learning" for one day workshop on 2020 at Apollo Arts and Science College, Chennai.