

CAUVERY COLLEGE FOR WOMEN
(AUTONOMOUS)
STAFF PROFILE

PERSONAL INFORMATION

- 1. Name** : Dr.K. REKA
2. Date of Birth :07-07-1983
3. Address :

Residential	Office
4\19 Mariamman kovil street, Thuvakudi, Trichy-15. E-mail: rekak.cs@cauverycollege.ac.in	Cauvery College for Women(Autonomous) Annamalai Nagar, Trichy-18

ACADEMIC INFORMATION

- 4. Designation & Department** : Associate Professor,
PG & Research Department of Computer Science

- 5. Educational Qualification** :

Degree	Year	College/University
BCA	2004	Cauvery College for Women,Trichy-18.
M.Sc(C.Sc)	2006	Chidambaram Pillai college, Mannachanalur,Trichy
M.Phil	2007	Bharathidasan University,Trichy
SET	2018	Mother Teresa Women's University, Kodaikanal
NET	2018	UGC
Ph.D	2021	Periyar EVR College(Autonomous),Trichy

- 6. Researcher ID** :

Google Scholar	Scopus Id	Web of Science	Orcid Id	Vidwan Id	Mendeley	Publons
https://scholar.google.com/citations?user=e_pyZbUAAAAJ&hl=en	https://www.scopus.com/authid/detail.uri?authorId=57211321284	https://publons.com/researcher/3765502/k-reka/	https://orcid.org/0000-0003-0172-410X	https://vidwan.inflibnet.ac.in/prof/ile/201852/MjAxODUy	https://www.mendeley.com/reference-manager/library/my-publications/	https://publons.com/researcher/3765502/k-reka/

- 7. Experience** :

Date of Joining	Institution	Year of Experience
28.11.2007	Cauvery College for Women,Trichy-18.	Till Date

8. Areas of Specialization : Big Data Analytics, Machine Learning

9. Languages known : Tamil, English

10. Subjects Taught :

UG	Artificial Intelligence ,Software Engineering, Data Communication & Networks Computer Graphics & Multimedia, Basic Web Technology, Java Programming, Scripting Language, Database System, ,ASP Programming,.NET Framework, Operating Systems, Digital Electronics &Microprocessor Applications, DreamWeaver
PG	Distributed Operating Systems, OOAD & UML, Object Oriented with Java, Software Project Management, Web Technologies, Advanced JAVA Programming,Parallel Computing,Digital Image Processing, Bigdata Analytics
M.Phil	-

11. Research Supervision: Nil

12. Details of Publications:

Journal Name & Volume	Year of Publication	ISSN Number	Name of the Paper	Impact Factor
CiiT Vol 3,No 6	Mar 2011	0974- 9691 Online: ISSN 0974- 9586	Morphological Image Enhancement & Segmentation	-
International Journal of Computer Sciences and Engineering (IJCSE) Vol 6,Issue.5	May 2018	2347-2693	Hybrid Recommender Systems:Process,Challenges,Approaches and Metrics	3.022
International Journal of Applied Engineering Research(IJAER) No 13,No.17	Nov 2018	0973-4562	Feature Engineering Incorporated Enhanced Hybrid Model Based Collaborative Filtering	-
International Journal of Management,IT & Engineering (IJMIE) Vol,19.Issue-1	Jan 2019	2249-0558	Cold Start Problem in Recommender Systems: Classification and Analysis of Problems and Solutions	7.119

International Journal of Scientific & Technology Research(IJSTR) Vol- 8,Issue-9	Sep 2019	2277-8616	Enhancing User Profile By Combining User And Item Based Collaborative Filtering	3.023
International Journal of Advanced Science and Technology(IJAST)	June 2020	2005-4238	Stacking Based Meta Model for Movie Recommendation	-
Journal of Critical Reviews	June 2020	2394-5125	Optimized Deep Collaborative Filtering for Movie Recommender Systems	-
International Journal of Web Services Research Vol:19,Issue:01	November 2022	1545-7362	Fast and Effective Intrusion Detection Using Multi-Layered Deep Learning Networks	-
Ryan Publishers	November 2023	ISBN:978-81-19587-63-6	AI-Powered ChatGPT Tools and Apps for Conversational Excellence in the book named “Recent Trends in Multidisciplinary Research-Volume-2	-
Ryan Publishers	November 2023	ISBN:978-81-19587-63-6	ChatGPT”, in the book named “Recent Trends in the book named “Recent Trends in Multidisciplinary Research-Volume-2	-

13. Details of Papers Presented:

Date & Venue	Name of the Seminar	Paper Name
5th – 6th Mar 2010 - School of Computer Science,Thanthai Rover College, Perambalur	NALCIT	Vector Median HybridFilters

16 th – 17 th Dec2010 Thiagarajar School of Management,Madurai	ICICT–2010	Morphological Image Enhancement & Segmentation
2nd – 3rdSep-2011 P.S.G College of Technology,Coimbatore	ICIC-2011 On Modern Trends Instrumentation & Control	Vision Based Intelligent Mobile Brobot for Face Recognition
7th -8th Jan-2019 Bishop Heber College(Autonomous) Trichy	HICAAMMC-2019	Cold Start Problem in Recommender Systems: Classification and Analysis of Problems andSolutions
13 th -14 th Dec-2019 Erode Arts and Science College(Autonomous),Erode	UGC Sponsored International Conference On Recent TrendsIn Advanced Computing (ICRTAC - 2019)	DCFMRs: Deep Collaborative Filtering forMovie Recommender System
18 th -19 th July 2020 Sri Venkateswara University,Tirupathi	International Conference on Machine Learning and Data Analytics (ICMLDA 2020)- Virtual Conference	Profile Enhancement And Boosting Based Movie Recommendation
24.11.2023 & 25.11.2023 Geethanjali College of Engineering and Technology , Hyderabad,T.S, India &University of Science and Technology, Chittagong (USTC),Bangladesh (Online Mode)	International Conference on Computational Intelligence in Machine Learning (ICCIML-2023)	Deep Neural Network- based Recommendation Model Using User and Item Profiles for Qualitative Recommendations

14. Details of Seminars / Conferences / Workshops Attended:

Date & Venue	Title	National / International	Topic
20.02.2009- 21.02.2009 Holy Cross College,Trichy	-	National	Conference on Advanced Computing and Communication Technologies
27.03.2009 – 28.03.2009 Jamal Mohamed College,Trichy	-	National	Conference on Advanced Computing
24.7.2009 National Institute of Technology,Trichy	-	Workshop	Datamining using PASW Modular
29.09.2010- 3.10.2010 Bishop Heber College,Trichy	-	Workshop	Introduction to FreeOpen Source Software

23.8.2010 A.V.V.M Sri Pushpam College	-	Regional	Recent Trends & Development in Computer Science
28.01.11- 29.01.11 Bishop Heber College,Trichy	-	National	Workshop on Research Tools in Computer Science
29 .09.2011- 30.09.2011 Cauvery College For Women,Trichy	-	National	Research issues inCloud Computing
27.04.2015- 30.05.2015 NIT,Trichy	-	Regional	Workshop on “Introduction toDesign of Algorithms”

07.09.2015- 08.09.2015 Cauvery College For Women,Trichy	-	Regional	Networking in MNC
23.08. 2016 Cauvery College For Women,Trichy	-	International	Recent Trends in Information Technology
15.12.2017 St.Joseph’s College,Trichy	-	National	Internet of Things and It’sApplications
20.03. 2018 Bharathidasan University,Trichy	-	International	Research Concepts in Bigdata Analytics andInternet Of Things
7th -8th Jan- 2019 Bishop Heber College (Autonomous) Trichy	Cold Start Problem in Recommender Systems: Classificationand Analysis of Problems and Solutions	International	HICAAMMC- 2019
24.01.2019- 25.01.2019 NIT,Trichy	-	National	Two Day Workshopon Pattern Recognition And Computational Intelligence
13 th -14 th Dec-2019 Erode Arts and ScienceCollege (Autonomous),Ero de	DCFMRS:Deep Collaborative Filteringfor Movie Recommender System	UGC Sponsored	International Conference On Recent Trends In Advanced Computing (ICRTAC - 2019)
17.02.2020-18.02.2020 Cauvery College for Women (Autonomous),Trichy	-	UGC- PARAMARSH	A Two Day Seminar On NAAC Revised Accrediation Framework

06.03.2020-07.03.2020 St. Joseph's College, JIM,Trichy	-	National workshop	Machine Learning using Python
18 th -19 th Sri Venkateswara University, Tirupathi	Profile Enhancement And Boosting Based Movie Recommendation	Virtual Conference- International	International Conference on Machine Learning and Data Analytics (ICMLDA2020)
17.05.2021- 05.06.2021 Koneru Lakshmaiah Education Foundation(KL Deemed to be University), Vaddeswaram Guntur, Andhrapradesh, India	-	International	Three Weeks International Faculty Development Program on “Research Perspectives on AI, ML, Data Science & IoT
09.06.2021 Bharath Institute of Higher Education and Research, Chennai	-	National	Data Analytics and Visualization
22.01.2022 INNOVA Club Department of Information Technology, Cauvery College for Women,Trichy	-	International online FDP	Technologies for the New Era
11.04.2022- 13.04.2022 TCS Chennai	-	-	FDP on Operating SystemsWindows
04.01.2023 NIPAM, Intellectual Property Office,India	-	International	IP Awareness-Training program
09.01.2023-13.01.2023 Institution's Innovation Council, Cauvery College for Women(A),Trichy	-	-	FDP on Application of IoT in Industrial Sectors
23.01.2023 - 25.01.2023 Scholars Gate- Research Training Institute, Tamil Nadu, India	-	International	Three Days Online International workshop on Research and Data Interpretation Techniques Using SPSS
20.02.2023 – 24.02.2023 DRK College of Engineering and Technology,Hyderabad	-	National	5 Days National Level FDP on Artificial Intelligence/Machine Learning/Deep Learning using Python

21.06.2023 St.Joseph's College(A),Trichy	-	National	National Level Online Workshop on ChatGPT for ACADEMICS
10.07.2023 – 12.07.2023 Scholars Gate- Research Training Institute,Tamil Nadu,India	-	International	Three Days Online International workshop on Data Interpretation Techniques and Strategies on Microsoft Excel (Hands on)
16.08.2023 - 22.08.2023 St.Joseph's College(A), Trichy	-	National	One week FDP on Open AI for Academicians
21.08.2023- 25.08.2023 Adithya Institute of Technology, Coimbatore in association with “Brain O Vision” ,AICTE and Ministry of Education	-	National	One Week National Level FDP on Cloud Infrastructure(AWS)
25.10.2023- 31.10.2023 CHRIST (Deemed to be University), Yeshwanthpur Campus, Bengaluru, in association with TCS	-	National	National Level Online Faculty Development Programme on Deep Learning Case Studies: Exploring Cutting-Edge Applications
24.11.2023 & 25.11.2023 Geethanjali College of Engineering and Technology , Hyderabad,T.S, India &University of Science and Technology, Chittagong (USTC),Bangladesh (Online Mode)	Deep Neural Network- based Recommendation Model Using User and Item Profiles for Qualitative Recommendations	International	International Conference on Computational Intelligence in Machine Learning (ICCIML-2023)

15. Details of Seminars / Conferences / Workshops Organized: Nil

16. Details of Orientation / Refresher Course Attended:

Date	Title of the Course	Organizer
08.05.2012- 04.06.2012	75 th Orientation Programme (UGC Sponsored)	Bharathidasan University, Trichy
30/03/2019	Annual Refresher Course on ARPIT(Pedagogical Innovations and Research Methodology)	SWAYAM-An online course conducted by MHRD

18.05.2020 to 22.05.2020	ATAL Programme on Artificial Intelligence	AICTE Training And Learning(ATAL) Academy Motilal Nehru National Institute of Technology Allahabad
Feb-Apr 2019	Faculty Development Programme on Big Data Computing	NPTEL-AICTE

17. Details of Study Materials / Books written and published: Nil

18. Details of Chairing as Resource Person: Nil

19. Administrative Positions held in the College:

Nature of Position	Year
Comphaven Club	2013-2014

20. Details of In-Charge / Membership in Committees for Autonomous:

21. Details of Incharge / Participation in Extracurricular Activities :

(NSS, NCC, Sports, Games, Voluntary Association and Cultural Activities):

Nature of Activity	Period of Incharge
Fine Arts	2014-2015

22. Details of Participation in Consultancy, Training, Development etc.: Nil

23. Details of Membership in Academic Bodies/ Board of Studies and Reviewer Details: Nil

24. Membership in Professional Bodies

- IAENG- International Association of Engineers
- IEEE

25. Country Visited: Nil 26. Any other information if any:

S.No	Nature of Position	Institution Name	Topic	Date
1.	Adjunct Faculty	PSGR Krishnammal College, Coimbatore	J2EE Programming	17.05.2021- 31.05.2021(10 Hrs)- Online Mode

Lockdown Activities from March 2020 – July 2021

- ✦ Number of FDP's : 13
- ✦ Number of Webinars: 20
- ✦ Quiz attended : 6
- ✦ Online Courses: 7 (IBM Cognitive, Udemy, Future Skills Prime-NASSCOM)