RESUME

Name   : **Dr.V.K.Vijayakumar**
Designation   : **Associate Professor and Head**
Department   : **Computer Science**
Date of Joining : **28-11-1989**
Teaching Experience : **28 ½ years as on 1st JUNE 2018**
Mobile Number   : **9894981839**
Email-ID   : **vijayakumar.sou.college@gmail.com**

Educational Qualification:

Degree	Subject	College / Uuiversity & Place	Year of passing
B.Sc.,	Maths	Sourashtra College, Madurai	1985
M.Sc.,	Maths	Thiagarajar College, Madurai	1987
P.B.D.C.S.A.,	Computer Science & Applications	Madurai Kamaraj University, Madurai	1989
M.Phil.,	Computer Science & Engineering	Bharathiar University, Coimbatore	2001
Ph.D.,	Computer Science	Madurai Kamaraj University, Madurai	2015

Specialization in Teaching:
1. Fundamentals of Data Structures
2. Fundamentals of Computer Algorithms
3. Software Engineering
4. Programming in C
5. Operations Research
6. Numerical Methods
7. Discrete Mathematics
8. Probability & Statistics
9. Graph Theory

Specialisation in Research: Data Mining & Data Warehousing

Research Interests:
1. Association Rule Mining
2. Data Preprocessing
3. Medical Data Mining
4. Big Data Analytics

Administrative /Academic Position/s (held / currently holding):

Positions held / currently holding	Year - From - To
Head of the Dept.(B.Sc.Computer Science) : (Aided Course)	1992- till date
Coordinator for SF Courses 1. B.Sc. Computer Science 2. M.Sc. Computer Science	: 1997-2000
Dean (Academic Affairs) :	2016 – till date

Membership in Professional Bodies:
Member Board of Studies in

1. HKRH College, Uthamapalyam.
2. EMG Yadava Women's College, Madurai
3. The Fatima College, Madurai
4. Manonmaniam Sundaranar University, Tirunelveli
5. Madurai Kamarajar University, Madurai

Chairman - BOS of Computer Science at Sourashtra College from 2011 to till date
Subject Expert – Academic Audit of faculty members at SREE SARASWATHI THYAGARAJAR COLLEGE, POLLACHI on 4-4-2017
Subject Expert – Academic Audit at THE MADURA COLLEGE, MADURAI on 24-8-2017

Publications:
International Journals

1. **G.Arumugam, V.K.Vijayakumar, "Efficient Mining of Weighted Quantitative Association Rules and Characterization of Frequent Itemsets",** International Journal on Computer Science and Engineering (IJCSE), ISSN : 0975-3397, Vol. 6 No. 01 Jan 2014, pp:960-970.

2. **G.Arumugam, V.K.Vijayakumar, "Fast Algorithm for Finding the Value-Added Utility Frequent Itemsets Using Apriori Algorithm",** International Journal of Computer Science and Information Technologies(IJCSIT), ISSN : 0975-9646, Vol. 5 (2) Mar 2014, pp:1393-1397.

International Conference

1. **G.Arumugam, V.K.Vijayakumar, " Discovery of Time-Dependent Association Rules for Targeted Queries on Medical Data",** Proceedings of the

International Conference on Recent trends in Information Systems (IRIS '06), National Engineering College, Kovilpatti, Tamil Nadu, India, 2006.

2. **G.Arumugam, V.K.Vijayakumar, "Discovery of Time-Dependent Value-Added Utility Frequent Itemsets for Targeted Queries on Share Market Data",** Proceedings of the International Conference on Emerging Trends in Mathematics and Computer Applications (ICETMCA'2010), Mepco Schlenk Engineering College, Sivakasi, Tamil Nadu, India, 2010.

3. **G.Arumugam, V.K.Vijayakumar, "**Design of Query-driven system for time-utility based data mining on Medical data", © Springer International Publishing Switzerland 2015 L. Uden et al. (Eds.): KMO 2015, LNBIP 224, pp. 664–682, 2015. DOI: 10.1007/978-3-319-21009-4_49

4. **V.V.Aravindakksan, Dr.V.K.Vijayakumar "Online Market Basket Data Analysis Using Association Rule Mining",** in the International Conference "RECENT TREND IN DIGITAL MARKETING IN THE GLOBAL BUSINESS" On 24th FEB 2017

National Conference

1. **V.K.Vijayakumar, "A study of customer behavior in the Global Share Market Transaction",** Proceedings of the National Conference on Globalization: Prospects and Problems, Sourashtra College, Madurai on 25th February 2008.

Seminar/Workshop attended

1. **"Enhancement of quality Curricula for Chairpersons and members of UG/PG Board of Studies"** at Madurai Kamaraj University, Madurai on 20-12-2017

2. International seminar on "Attitude, Knowledge, Value and Skill oriented curricula for the Empowerment and Employability of students" on 12-1-2018 at Madurai Kamaraj University, Madurai

Seminar Organized

1. Convenor - UGC Sponsored National level seminar on **RESEARCH ISSUES IN COMPUTER SCIENCE AND APPLICATIONS – RICSA 2013** – 9-2-2013
2. Advisory committee - **Cyber Security and Data Mining** – A oneday Student's seminar - **CYBERDATA-2015** on 24-2-2015
3. Organizing Committee – International Conference on **"BIG DATA ANALYTICS AND INTELLIGENT TECHNOLOGIES" – ICBAIT-2018** jointly organized by Department of Computer Science & University of Maribor, Slovania on 1st & 2nd MARCH 2018

Lectures / Talks given:

1. The Fatima College, Madurai , "**Data Mining & its Applications**" on 17th DEC'2015
2. KLNCE , Pottapalayam, Sivagangai, – "**Association Rule Mining**" on 9th FEB, 2016
3. NMSSVN college, Madurai - "**On-Line Mining**" on 28th FEB, 2017
4. Srimathi Indira Gandhi College for Women, Trichy - "**Data Mining & its Applications**" on 15th JULY, 2017
5. EMG Yadava College for Women, "**BIG DATA ANALYTICS**" Madurai, 4th OCT' 2017

Other activities / information / academic credentials you would like to mention:

Additional Responsibilities in Sourashtra College

Positions held during 2013-14
1. Staff Council Joint Secretary
2. Member – IQAC Committee
3. Member – Discipline Committee
4. Member – Placement Cell
5. Convener – Planning & Development Committee

Positions held during 2014-15
1. Staff Council Secretary
2. Convener – Internal Test Committee
3. Member – Awards Committee
4. Member – IQAC Committee
5. Member – Discipline Committee
6. Member – Placement Cell

Positions held during 2015-16
1. Staff Council Secretary
2. Member – IQAC Committee
3. Member – Discipline Committee
4. Member – Placement Cell

Positions held during 2016-17
1. Dean (Academic Affairs)
2. Member – IQAC Committee
3. Member – Discipline Committee
4. Member – Placement Cell

Positions held during 2017-18
1. Dean (Academic Affairs)
2. Member – IQAC Committee
3. Member – Discipline Committee
4. Member – Placement Cell