RESUME

1. **Name**   : **Dr. G. RAVI**

2. **Date of Birth**   : 04.02.1963

3. **Address**:

Residential:	**Office:**
5/1089 Sivarayar Garden First Street,	Department of Computer Science,
M. Chavadi	Jamal Mohamed College (Autonomous),
Thanjavur – 613 001	Trichy- 620020
Tel: 04362-232852	Tel : 0431 - 2331535
Mobile No.: 94431 92103	Email : ravi_govindaraman@yahoo.com

4. **Designation:** Associate Professor & Head

5. **Educational Qualifications**: M.C.A., M.Phil. PGDBA, Ph.D.

Examination Passed	**Year**
M.C.A	1987
M.Phil	1996
PGDBA	1989
Ph.D	2014

6. **Experience:**   Undergraduate: 28
                       Postgraduate: 27
                       M.Phil: 19

7. **Areas of Specialization**: Wireless Sensor Networks, Computer Networks,
                                      Artificial Intelligence

8. **Languages known :** English, Tamil

9. **Subjects Taught:**   Undergraduate:
                                 Database Management Systems, Java Programming

                                 Postgraduate:
                                 Computer Networks,
                                 Artificial Intelligence and Expert System

                                 M.Phil.
                                 Research Methodology

10. Research Supervision:

M.Phil.Degree - Thesis Completed – 35

M.Phil.Degree -   Pursuing – 05

11. Details of Publications:

- Conquer Vampire Attacks in Wireless Sensor Network - International Journal for Scientific Research & Development (IJSRD), Vol. 2, Issue. 6 pp. 526-529, September 2014

- Concealed Data Aggregation for Multiple Application using Distributed Data Scheduling Algorithm - International Journal for Scientific Research & Development (IJSRD), Vol. 2, Issue 6 pp. 349 -352, September 2014.

- An Efficient and Robust Access Method for Spatial Queries in Mobile Environments - International Journal for Scientific Research & Development (IJSRD), Vol. 2, Issue. 6,September 2014

- Securing Wireless Sensor Networks using Concealed Data Aggregation, Secret Sharing and Randomized Dispersive Routes   - International Journal of Computational Intelligence and Information Security, July 2012, Vol. 3, No. 6 ISSN: 1837-7823.

- Route Optimization using SNMP for Automatic Discovery of Network Topology - International Journal of Computational Intelligence and Information Security, July 2012, Vol. 3, No. 6 ISSN: 1837-7823

- 'Secure Packet Transmission in Wireless Sensor Networks using Dynamic Routing Techniques'*, International Journal of Computer Applications* , vol. 49, no.22, pp. 8-11,Impact factor: 0.814. -2012

- 'Fast Energy-Efficient Secure Dynamic Address Routing For Scalable WSNs', *International Journal of Computer Science Issues*, vol. 9, Issue 2, no.1, pp. 383- 387, Impact factor 0.242. - 2012

- SNMP Based Network Optimization Technique Using Genetic Algorithms", IJCSI International Journal of Computer Science Issues, Vol. 9, Issue 2, No 3, March 2012.

- "Optimizing Routes using Genetic Algorithms based on Throughput or Delay Sensitivity of Applications using SNMP for Automatic Discovery of Network Topology", International Journal of Computer Applications (0975 – 888), Volume 47– No.12, June 2012.

12. Details of Papers Presented:

- Presented paper titled on Efficient Algorithm for the key Establishment in Sensor networks at National Conference on Ubiquitous and Pervasive Computing at NMAM Institute of Technology, NITTE, Karnataka On 24th and 25th January 2008

- Presented paper titled on Range Dependent Localization Algorithm for Sensor networks at National Conference on Ubiquitous and Pervasive Computing at NMAM Institute of Technology, NITTE, Karnataka on 24th and 25th January 2008

- Presented paper titled on Routing and Security Issues in Wireless Sensor networks at National Level Conference on Recent Trends in IT at Rovers College, Perambalur on 20th February 2008.

- Paper presented titled on Secure routing in Wireless Sensor Networks at National Conference on Wireless Network Security – Issues & Challenges held at CSE department, RVCE, Bangalore-59 on 19th and 20th March 2008.

- Paper presented entitled as "Routing Protocol for Wireless Sensor Networks – A Novel Approach" in UGC sponsored National Conference on Advance Computing (NCAC-2009) at Department of Computer Science, Jamal Mohamed College(Autonomous),Tiruchirapalli held on 27th & 28th March 2009.

- Presented paper titled on A Comprehensive Business Model using Cloud CRM for Global Business Delivery in State Level Seminar on Computing and Communication Technologies (SCCT-2015), at Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 20 on 25th February 2015

- Presented paper titled on Survey Security Issues in Mobile Adhoc Network in State Level Seminar on Computing and Communication Technologies (SCCT-2015), at Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 20 on 25th February 2015

- Presented paper titled on Secure Data Transferring using Cryptography and Steganography in Network Security in State Level Seminar on Computing and Communication Technologies (SCCT-2015), at Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 20 on 25th February 2015

- Presented paper titled on Packet Data Transmission Using Connection Oriented Communications Network in State Level Seminar on Computing and Communication Technologies (SCCT-2015), at Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 20 on 25th February 2015

- Presented paper titled on Analysis and Design using Routing Protocols in National Conference on Advanced Computing-NCAC-2015 organized by PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 on 5th March 2015

- Presented paper titled on Secure Data Transferring using TEA in National Conference on Advanced Computing-NCAC-2015 organized by PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 on 5th March 2015

- Presented paper titled on Two key data transfer using Cryptography and Steganography in National Conference on Advanced Computing-NCAC-2015 organized by PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 on 5th March 2015

- Presented paper titled on Shortest Path Selection using Packet Network System in National Conference on Advanced Computing-NCAC-2015 organized by PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 on 5th March 2015

- Presented paper titled on A Cost Effective Solution to meet on Demand IT needs using Cloud Services in National Conference on Advanced Computing-NCAC-2015 organized by PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 on 5th March 2015

13. Details of Seminars / Conferences / Workshops Attended:

- Participating the Seminar UGC Sponsored Seminar on Networking of College Libraries through INFLIBNET at PSG College of Arts & Science, Coimbatore on 16th and 17th Dec. 2005.

- Participating the Seminar National Level Seminar on Emerging Trends in IT at Department of Computer Science, Bharathidasan University, Trichy on 3rd and 4th February 2006

- Participating the Seminar UGC Sponsored three day Workshop on Curriculum Development and Evaluation organized by UGC – Academic Staff College, Bharathidasan University, Trichy, conducted at Jamal Mohamed College, Trichy on 2nd to 4th March 2006

- Participating the Seminar State Level Seminar on Recent Trends in IT at Department of Computer Science, Jamal Mohamed College, Trichy on 28th March 2006

- Participating the Seminar Second National Seminar on Information Technology, Department of Computer Science, Bharathidasan University, Trichy on 23rd and 24th February 2007

- Participating the Seminar One Day Workshop on Software Development Trends in Technologies and Methodologies Conducted by The CSI and BUTP, Trichy on 19th March 2007

- Participating the Seminar State Level Workshop on Research Prospects in Data Mining, Department of Computer Science, Jamal Mohamed College, Trichy on 22nd March 2007

- Participating the Seminar A workshop on Mobile and Pervasive Computing, conducted and NIT, Trichy on 4th August 2007

- Participating the Seminar National Conference on "Frontier Research Areas in Computing Sciences" at Bharathidasan University, Tiruchirappalli on 5th and 6th October 2007

- Participating the National Conference on "Fuzzy Mathematics and Graph Theory" at Jamal Mohamed College, Trichy on 27th and 28th March 2008.

- Participating the Seminar International Workshop on Next Generation Wireless Networks at IIIT, Allahabad on 12th to 16th July 2008.

- Participating the Creating Competitiveness to Excel in Higher Education – a TQM Approach at Jamal Mohamed College (Autonomous), Tiruchirappalli on 8th December 2010

- Participating the Seminar on High Performance Computing by IBM at Hotel Sangam, Tiruchirappalli on 7th September 2010

- Participating the IBM Career Education Conclave at Grand Gardenia, Tiruchirappalli on 21th July 2011

- Participating the National Conference on Advanced Computing (NCAC-2012), organized by PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirapalli on 1st March 2012.

- Participating the One day National Level Seminar on Teaching Learning & Research in Higher Education – Excellence and Beyond Excellence at Jamal Mohamed College (Autonomous), Tiruchirapppalli on 7th March 2012

- National Conference on Advanced Computing(NCAC 2011) at PG & Research Department of Computer Science, Jamal Mohamed College(Autonomous), Tiruchirappali on 8th February 2011.

- Participating the Two-day Workshop on Research Methodology in Computer Science, PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli on 1st and 2nd March 2014.

- Participating the One Day National Workshop on "research Issues in Big-Data Analysis" at BUTP, Triruchirappalli on 27th March 2014.

14. Details of Seminars / Conferences / Workshops Organized:

- Organized a National Conference NCAC -2015 (National Conference on Advanced Computing -2015) on 5th March 2015 at Department of Computer Science, Jamal Mohamed College (Autonomous). Trichirapppalli-20, under Autonomous Grant from UGC.

15. Details of Orientation / Refresher Course Attended: Nil

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

17. Details of Charing as Resource Person:

- Acted as resource person and delivered a special lecture on Artificial Intelligence in the UGC Refresher Course in IT at Academic Staff College, Bharathidasan University, Trichy, on 19.12.2003.

- Acted as Resource Person and delivered a special lecture on Problem Solving using Artificial Intelligence Techniques at Periyar E.V.R. College, Trichy on12.10.2006.

- Delivered a Lecture on Artificial Intelligence and its Application for the UGC Sponsored Refresher Course in Computer Science at Academic Staff College, Bharathidasan University, Tiruchirappalli on 10th March 2015.

18. Administration Positions held in the College: Nil

19. Details of Incharge / Membership in Committees for Autonomous:

- Chairman for Board of Studies in Computer Science.
- Member of the Academic Council
- Member of the Library Committee - 2015
- Convener of Academic Audit Committee - 2015

20. Details of Incharge / Participation in Extracurricular Activities :(NSS,NCC, Sports, Games, Voluntary Association and Cultural Activities):   Nil

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

22. Details of Membership in Academic Bodies:

- Member of Board of Studies in Computer Science of ADM College for Women, Nagapattinam.-2006

- University representative to the Board of Studies in Computer Science of Government Arts College for Women, Pudukkottai.-2009

- University representative to the Board of Studies in Computer Science of Periyar EVR College, Trichy -2008

- Member in Board of Studies in Computer Science of Tamil University from 2013 – 2015.

- Member in Board of Studies in Information Technology of St Joseph's College, Tirucirappalli – 2014

- Member in Board of Studies in Computer Science of ADM College for Women, Nagapattinam- 2015

23. Details of Membership of Professional Bodies:

- Member of Computer Society of India.

24. Country visited: Nil
25. Any other information if any:

- Acted as a Programme Co-ordinator in **"Cyber Training Programme for Judicial Officers of Trichy, Perambalur, Pudukottai and Karur Districts"** organized by Tamil Nadu Judicial Academy in association with the Bharathidasan University and Jamal Mohamed College from 22 – 05 – 2006 to 26 – 05 – 2006.

- Acted as resource persons for imparting basic computer training for 292 newly recruited police constables from 7th March 2011 to 18th March 2011.