FACULTY PROFILE

Name   : **Dr. K. R. Jothi**

Designation   : Professor & Head

Email ID   : jothi.cse@srit.org

Area of Specialization   : Computer Science and Engineering

Total Teaching Experience   : 16 Years 10 Months

Educational Qualification:

Degree	Branch / Specialization	College	University
Ph.D.	Computer Science and Engineering	Sri Ramakrishna Engineering College	Anna University Chennai
M.E.	Computer Science and Engineering	Government College of Technology, Coimbatore	Anna University Chennai
B.E.	Computer Science and Engineering	AAM Engineering College, Kovilvenni	Bharathidasan University, Tiruchirappalli

Experience Details:

S.No	Institution/Industry	Design.	Experience From	Experience To	Total Years & Months
1	Sri Ramakrishna Institute of Technology, Coimbatore	Lecturer – Professor	14-6-2004	Till Date	12 Years, 04 Months 6 Days
2	Arasu Engineering College, Kumbakonam	Lecturer	23-06-2003	28-02-2004	08 Months 05 Days
3	P.R.Engineering College, Vallam, Thanjavur	Lecturer	19-06-2002	12-06-2003	11 Months 24 Days
4	Anjalai Ammal Mahalingam Engineering College, Kovilvenni	Lecturer	14-07-1999	31-05-2002	2 Years 10 Months 17 Days
			Total (as on Oct 2016)		**16 Years 10 Months 22 Days**

Funded Projects:

S. No.	Funding Agency	Topic	Amount Sanctioned in Rs.	Year of Sanction
1	Ministry of Human Resource Development (MHRD)	Talk to 10k Teachers Project	Rs. 21.41 Lakhs	2012-2015
2	Ministry of Human Resource Development (MHRD)	Talk to 10k Teachers Project	Rs. 2.80 Lakhs	2015
3	Ministry of Human Resource Development (MHRD)	Aakash Project	Rs. 1.0 Lakh	2014
4	Ministry of Human Resource Development (MHRD)	Aakash Project	Rs. 5.5 Lakhs worth Aakash Tablets	2012

Research Publications

Journal:

1. **Jothi K R**, Ebenezer Jeyakumar A, 2015, 'Routing Optimization Security in Vanets using Adaptive Bees Life Algorithm for QoS-MRP and Batch Binding Update Scheme', Middle-East Journal of Scientific Research, vol. 23, no. 8, pp. 1839-1850.
2. **Jothi K R**, Ebenezer Jeyakumar A, 2015, 'An Effective Approach for Bio-Medical Data Transmission Using Hop Scheduled Data Dissemination Through VANET', Journal of Pure and Applied Microbiology, vol. 9, no. Special Edition, pp. 147-153.
3. **Jothi K R**, Ebenezer Jeyakumar A, 2015, 'Multicast Routing Optimization through with Hybrid Bees Life Algorithm for Qos-MRP, Congestion and Collision Avoidance in VANETs', Australian Journal of Basic and Applied Sciences, vol. 9, no.13, pp. 604-617.
4. **Jothi K R**, Ebenezer Jeyakumar A, 2014, 'Advanced Novel Compact Assistant Sensor System in Vehicular Adhoc Network to Improve Road Safety Policy', International Journal of Applied Engineering Research, vol. 9, no. 23, pp. 21333-21349.
5. **Jothi K R**, Ebenezer Jeyakumar A, 2013, 'A Survey on Broadcasting Protocols in VANETs', International Journal of Innovative Technology and Exploring Engineering, vol. 3, no. 6, pp. 100-103.

International Conference:

1. **Jothi K R,** Ebenezer Jeyakumar A, 2015, 'Optimization and Quality-of-Service Protocols in VANETs: A Review', Proceedings of the Springer International Conference on Artificial Intelligence and Evolutionary Algorithms in Engineering Systems, Advances in Intelligent Systems and Computing 324, pp. 275-284.
2. **Jothi K R,** 2009, 'An Efficient Route Discovery and Route Maintenance in MANET using DRP' Proceedings of the International Conference on Advanced Communication & Informatics.

National Conference:

1. **Jothi K R,** 2009, 'Agent Based Intelligent Intrusion Detection System (ABIIDS) for MANET' Proceedings of the National Conference on Systemic, Cybernetics, & Informatics.
2. **Jothi K R, 2009, '**Quadrant Based Directional Routing Protocol (Q-DIR) in MANET' Paper Proceedings of the National Conference on Advanced Computational Intelligence.
3. **Jothi K R, 2008, '**On Demand Directional Routing Protocol in MANET', Proceedings of the National Conference on Communication Computation Control and Automation.

4. **Jothi K R, 2008, '**On Demand Directional Routing Protocol – A Cross Layer Interaction between Routing and MAC Layer for Efficient Route Discovery' Proceedings of the National Level Conference on Frontier Research Areas in Communication, Computer and Control Engineering.

5. **Jothi K R, 2005, '**Digital Watermarking for Multimedia Data Hiding' Proceedings of the Second National Conference on Modern Trends in Electrical and Instrumentation Systems.

Books Published:

1. **Jothi K R**, Ramachandran Selvaraj, "Java Programming Laboratory Manual", Westerrn Publications, Coimbatore, 2013.

2. **Jothi K R**, Ramachandran Selvaraj, "Internet Programming Laboratory Manual", Westerrn Publications, Coimbatore, 2013.

Seminar, Conference, Workshop Organized:

Faculty Development Programme (FDP) Organized

1. Organized a Two Week ISTE Workshop on "**Computer Programming**", conducted by IIT Bombay, Under NMEICT, MHRD, GOI, held at Sri Ramakrishna Institute of Technology, Coimbatore, during 16 May 2014 to 21 June 2014.

2. Organized a Two Day ISTE Workshop on "**Fluid Mechanics**", conducted by IIT Kharagpur, Under NMEICT, MHRD, GOI, held at Sri Ramakrishna Institute of Technology, Coimbatore, during 20 – 30 May 2014.

3. Organized a One Day Workshop on "**NBA Accreditation – Awareness Programme**", conducted by Department of CSE and Continuing Education Cell, at Sri Ramakrishna Institute of Technology, Coimbatore, on 08 February 2014.

4. Organized a One Day Workshop on "**Google Apps for Education**", conducted by Cloud Reign Technologies, Chennai, held at Sri Ramakrishna Institute of Technology, Coimbatore, on 08 February 2014.

5. Organized an One Hour campaign on "**Edx - MOOCs**", conducted by Department of CSE, Sri Ramakrishna Institute of Technology, Coimbatore, on 29 January 2014.

6. Organized a Two Day ISTE Workshop on "**Signals and Systems**", conducted by IIT Kharagpur, Under NMEICT, MHRD, GOI, held at Sri Ramakrishna Institute of Technology, Coimbatore, during 02 – 12 January 2014.

7. Organized a Two Day ISTE Workshop on "**Engineering Mechanics**", conducted by IIT Bombay, Under NMEICT, MHRD, GOI, held at Sri Ramakrishna Institute of Technology, Coimbatore, during 25 November 2013 to 05 December 2013.

8. Organized a Half a Day ISTE Workshop on "**Green Building Awareness**", conducted by IIT Bombay, Under NMEICT, MHRD, GOI, held at Sri Ramakrishna Institute of Technology, Coimbatore, during 23 August 2013.

9. Organized a Half a Day ISTE Workshop on "**NPTEL Awareness**", conducted by Classle Knowledge Pvt. Ltd., Chennai, Under NMEICT, MHRD, GOI, held at Sri Ramakrishna Institute of Technology, Coimbatore, during 23 August 2013.

10. Organized a Two Week ISTE Workshop on "**Analog Electronics**", conducted by IIT Kharagpur, Under NMEICT, MHRD, GOI, held at Sri Ramakrishna Institute of Technology, Coimbatore, during 04-14 June 2013.

11. Organized a Two Week ISTE Workshop on "**Database Management Systems**", conducted by IIT Bombay, Under NMEICT, MHRD, GOI, held at Sri Ramakrishna Institute of Technology, Coimbatore, during 21-31 May 2013.

12. Organized a Two Day Workshop on "**Outcome Based Education and Accreditation**", conducted by Department of CSE & Continuing Education Cell, Sri Ramakrishna Institute of Technology, Coimbatore, during 15-16 May 2013.

13. Organized a Three Day Faculty Development Programme (FDP) on "**21st century Learning Methods**", conducted by Department of CSE, IT & MCA, Sri Ramakrishna Institute of Technology, Coimbatore, under Technology Enabled Learning – Teacher Empowerment Programme, 02 – 04 May 2013.

14. Organized a Two Day ISTE Workshop on "**Research Methods in Educational Technology**", conducted by IIT Bombay, Under NMEICT, MHRD, GOI, held at Sri Ramakrishna Institute of Technology, Coimbatore, during 02 & 09 February 2013.

15. Organized a Two Week ISTE Workshop on "**Engineering Thermodynamics**", conducted by IIT Bombay, Under NMEICT, MHRD, GOI, held at Sri Ramakrishna Institute of Technology, Coimbatore, during 11-21 December 2012.

16. Organized a One Day Spoken Tutorial Workshop on "**PHP & MYSQL**", conducted by Department of CSE and Continuing Education Cell, Sri Ramakrishna Institute of Technology, Coimbatore, on 12 December 2012.

17. Organized a One Day Spoken Tutorial Workshop on "**PYTHON**", conducted by Department of CSE and Continuing Education Cell, Sri Ramakrishna Institute of Technology, Coimbatore, on 10 December 2012.

18. Organized a One Day Spoken Tutorial Workshop on "**LaTeX**", conducted by Department of CSE and Continuing Education Cell, Sri Ramakrishna Institute of Technology, Coimbatore, on 07 December 2012.

19. Organized a One Day Spoken Tutorial Workshop on "**LINUX**", conducted by Department of CSE and Continuing Education Cell, Sri Ramakrishna Institute of Technology, Coimbatore, on 05 December 2012.

20. Organized a One Day Workshop on "**Moodle**", conducted by Department of CSE and Continuing Education Cell, Sri Ramakrishna Institute of Technology, Coimbatore, under

Technology Enabled Learning-Teacher Empowerment Programme (TEL-TEP), on 03 December 2012.

21. Organized a Two Day ISTE Workshop on "**AAKASH for Education**", conducted by IIT Bombay, Under NMEICT, MHRD, GOI, held at Sri Ramakrishna Institute of Technology, Coimbatore, during 10-11 November 2012.

Workshop / Seminar Organized
1. Organized a five week Winter Training and Internship Program (WTP) for the empowerment of Students was organized during 26 December 2012 to 30 January 2013.
2. Organized a four days ISTE workshop on "Aakash Android Application Programming for Students" during 23 & 24 February 2013, and 02 &03 March 2013.
3. Organized various spoken tutorial workshops for various students and faculty during 2012-2014.

Seminar, Conference, Workshop Attended:

Faculty Development Programme (FDP) Attended
1. Attended a Two Week Faculty Development Programme on "**Computer Programming**", conducted by IIT Bombay, under NMEICT, MHRD, GOI, held at Sri Ramakrishna Institute of Technology, Coimbatore, during 16 – 21 June 2014.

2. Attended a Two Week Faculty Development Programme on "**Database Management Systems**", conducted by IIT Bombay, under NMEICT, MHRD, GOI, held at Sri Ramakrishna Institute of Technology, Coimbatore, during 21 – 31 May 2013.

3. Attended a Two Week Faculty Updation Programme on "**Information Security on Virtual Training Environment (VTE)**", organized by CDAC, Hyderabad, in collaboration with NIELIT, Gorakhpur, as part of Advanced Faculty Training Project of Ministry of Information and Communication Technology, GOI, held at **ISEA Lab**, Department of Electronics and Information Technology (DeitY), GOI, New Delhi, during 15 – 24 January 2013.

4. Attended a Two Week Faculty Development Programme on "**Effective Teaching/Learning of Computer Programming**", conducted by IIT Bombay, under NMEICT, MHRD, GOI, held at PSG College of Technology, Coimbatore, during 14 – 24 December 2009.

5. Faculty Development Program on "**MISSION10X**" at CIET, Coimbatore, organized by WIPRO Technologies during 03-01-2009 to 05-01-2009.

6. Faculty Development Program on "**High Impact Teaching Skills**" at   CIET, Coimbatore, organized by WIPRO Technologies during 10-11-2008 & 11-11-2008.

7. Faculty Development Program on "**Strategies for Effective Teaching**" at Sri Ramakrishna Institute of Technology, Coimbatore, during 10-06-2005 & 11-06-2005.

Workshop / Seminar Attended

1. Participated in the Two Days Hands-On Workshop on "**Hadoop Eco Systems – A Practioners Approach**", Sponsored by Computer Society of India (CSI), organized by the Department of CSE, Sri Ramakrishna Institute of Technology, Coimbatore, during 31 January 2014 & 01 February 2014.

2. Participated in the one day workshop on "**Free and Open Source Software**" organized by the Department of CSE, Sri Ramakrishna Institute of Technology, Coimbatore, on 18 March 2014.

3. Participated in the in-house Three Day Workshop on "**Training of Evaluators/Resource Persons on Outcome Based Accreditation**" organized by the National Board of Accreditation (NBA), New Delhi, at NBA Nodal Centre, Bannari Amman Institute of Technology, Sathiyamangalam during 09-11 May 2013.

4. Participated in the one day National Level Seminar on "**Cloud Computing and its Applications**" organized by the Department of CSE & IT, Sri Ramakrishna Institute of Technology, Coimbatore, on 01 February 2013.

5. Participated in the one day National Level Workshop on "**Open Source Softwares**" organized by the Department of CSE & IT, Sri Ramakrishna Institute of Technology, Coimbatore, on September 2012.

6. Participated in the TEQUIP II sponsored Seminar on "**Nurturing Innovative Ideas and Global Level IPR Commercialization**" conducted by Department of computer Science and Engineering and Information Technology, Government college of Technology, Coimbatore, on 19 December 2012.

7. Participated in the Two Day Workshop on "**Simulation of Networks with NS2 – A Practical Approach**" organized by the Department of CSE, PG, Sri Ramakrishna Engineering College, Coimbatore, on 23, 24 September 2011.

8. Participated in the one day workshop on "**Need Based Approach for Effective Teaching**" organized by the Continuing Education Cell, Sri Ramakrishna Institute of Technology, Coimbatore, on 21 June 2011.

9. Participated in the workshop on "**Research Promotion Programme on High Performance Computing & Cloud Computing**" conducted by IBM india & CIT Coimbatore, during 8, 9 January 2010.

10. Participated in the workshop on "**Digital Imaging and it's Applications**" at Government College of Technology, Coimbatore, during 04-05-2007 & 05-05-2007.

11. Participated in the workshop on "**Thrust Areas of Research and its Methodologies in Information Technology**" at Government College of Technology, Coimbatore, on 17th of march 2007.

12. Participated in the conference on "**Innovations in Engineering Education – Trends and Focus**" at the Eighth Annual Convention of ISTE – Tamilnadu and Pondicherry Section, held at PSNA College of Engineering and Technology, Dindigul, during 28th and 29th October 2005.

Guest Lectures Delivered:

Resource Person for the Faculty Development Programmes

1. Resource Person for a **One Week Faculty Development Programme on "Programming and Data Structures II"** sponsored by Centre for Faculty Development (CFD), Anna University held at SNS College of Technology, Coimbatore, on 16 June 2014.

2. Resource Person for a **Two Day Faculty Development Programme on "System Software"** held at Erode Sengunthar Engineering College, Erode on 07 May 2014.

3. Resource Person for a **Two Week Faculty Development Programme on "Theory of Computation"** sponsored by Centre for Faculty Development (CFD), Anna University held at Regional Centre Campus, Coimbatore, on 11 December 2012.

4. Resource Person for a **One Week Faculty Development Programme on "Theory of Computation"** sponsored by Centre for Faculty Development (CFD), Anna University held at Coimbatore Institute of Engineering and Technology, Coimbatore, on 16 November 2011.

Resource Person for the Workshop / Seminar

1. Delivered a Special Lecture on "**Awareness Program on NBA (National Board of Accreditation) Process**" organized by Bharathiyar Institute of Engineering for Women, Namakkal, held on 03 August 2013.

2. Delivered a Guest Lecture on "**Vehicular Adhoc Networks**" for the M.E. Computer Science and Engineering Students of Sri Ramakrishna Engineering College, Coimbatore, organized by the PG Department of CSE, held on 05 October 2012.

3. Delivered a Technical Lecture on "**Emerging Issues in Wireless Communication Networks**" sponsored by DRDO organized by Department Computer Science and Engineering of SNS College of Technology, Coimbatore, held on 20 September 2012.

4. Delivered a Guest Lecture on "**Theory of Computation**" for the Third Year B.E. Computer Science and Engineering Students of Akshaya College of Engineering and Technology, Coimbatore, organized by the Department of CSE, held on 01 February 2012.

5. Two day Guest Lecture on "**Formal Languages and Automata Theory**" at KTVR Knowledge Park of Engineering and Technology during 01 October 2010.

6. One day special lecture on "**C Programming**" as Placement orientation programme at CIET, Coimbatore, during 29 May 2007.

7. One day special lecture on "**UNIX Programming**" as Placement Orientation programme at CIET, Coimbatore, during 27 May 2007.

Jury in other institutions
1. Acted as one of the Jury for the Paper Presentation contest held at **Sri Krishna College of Technology**, Coimbatore, as part of National Level Technical Symposium, "Xplore-12", held on 10 February 2012.

2. Acted as one of the Jury for the Paper Presentation contest held at **KTVR Knowledge Park of Engineering and Technology**, Coimbatore, as part of National Level Technical Symposium, "Zeitgeist-11", held on 05 March 2011.

Membership in Professional Bodies:
- Life Member of Indian Society for Technical Education (ISTE) since 2003.
- Member of Computer Society of India (CSI) since 2013.

Contributions to the Institution, Department and Society:
1. Remote Centre Coordinator for IIT Bombay under NMEICT, MHRD
2. Resource Centre for Spoken Tutorial Project of IIT Bombay under NMEICT, MHRD
3. Aakash Project Centre of IIT Bombay under NMEICT, MHRD
4. E-Yantra Project of IIT Bombay under NMEICT, MHRD
5. Value Virtual Labs of Amrita University
6. SRIT Moodle Administrator
7. SRIT Google Apps for Education – Administrator
8. NBA Accreditation Coordinator
9. NAAC Accreditation Coordinator
10. Internal Audit Committee Member
11. Project Review Committee Member
12. Anti-Ragging Committee Member
13. Academic Advisory Committee Member

Awards and Recognitions:
1. Sarvepalli Radhakrishnan Award for Best Teacher