FACULTY PROFILE

Name of the Faculty	R. RAJKUMAR	
Department	INFORMATION SCIENCE	
Qualification	B.E (ISE), M.Tech (CNE), (Ph.D)	
Designation	ASSISTANT PROFESSOR	
Area of Specialization	Computer Networks, CBIR	
Date of Joining Institution	01 – Aug – 2011	
Association with the Institution (Regular / Visiting / Adjunct / Contract)	Regular	
email – id	raj@rnsit.ac.in, rajkumar.manju@gmail.com	
Phone / Mobile Number(s)	9945001531	
Experience in years	02 – Industry, 17 – Teaching, 07 – Research	

Educational Qualifications

Degree	Branch	Institution	Percentage with Class Obtained	Month / Year of Passing	University
UG: B.E	**Information Science & Engineering**	MSRIT, Bengaluru	74 FCD	Oct – 2001	Bangalore University
PG: M.Tech	**Computer Network Engineering**	BMSCE, Bengaluru	73 FCD	Nov – 2007	VTU, Belagavi
Ph.D: Pursuing in CBIR	**Computer Science**	Research Center, RNSIT, Bengaluru	Pursuing since 2012	-	VTU, Belagavi

Details of Work Experience(s)

Sl. No.	Designation	Organization	Duration
1	Assistant Professor	RNS Institute of Technology, Bengaluru	Aug 2011 – till date
2	Senior Lecturer	PES Institute of Technology, Bengaluru	Jul 2008 – Jul 2011
3	Senior Lecturer	Vivekananda Institute of Technology, Bengaluru	Nov 2003 – Jul 2001
4	Software Engineer	V-Care Electronics, Bengaluru	Oct 2001 – Oct2003

Subjects taught

- Advanced Digital Communications
- Wireless Mobile Networks
- Storage Area Networks
- Distributed Computing
- Internet of Things
- Mobile Application Development
- Web Mining
- Data Communications
- Object Oriented Concepts – Java Programming
- Computer Organization
- Computer Networks - I
- Database Management Systems
- UNIX and Shell Programming
- UNIX System Programming
- Object Oriented Programming Using C++

Academic Roles and Responsibilities

1. Technical teamwork for International Conference on Data Engineering and Communication Systems (ICDECS – 1) jointly organized by the Departments of CSE and ISE during Dec 30, 31 2011 at VIVANTA by TAJ, Bengaluru.
2. M.Tech Project Coordinator – Scrutiny, monitoring and coordination of PG Student projects on regular basis for Quality Work of their thesis during 2011 – 2018.
3. Technical chair for International Conference on Data Engineering and Communication Systems (ICDECS – 2) jointly organized by the Departments of CSE and ISE during Dec 28, 29 2015 at RNSIT, Bengaluru.
4. Evaluation Team member – University level examination evaluation coordination for VTU, Belagavi, during 2014 – 2016. (UG & PG – Valuation and Revaluation).
5. Mobile Committee Chairman – College level during 2014 – 2016.
6. Discipline Committee Member – Department level since 2012.
7. Mock LIC Inspection Committee Member – Convener (2016 – 17 & 2017 - 18).
8. Academic stock & improvement Committee (ASIC) Member (2016 – 2017).
9. Hostel Vigilance Committee – Boy's Hostel (2018 – 19).
10. Mentor for students (currently 24 students).
11. Internship Coordinator for B.E students under CBCS Scheme since 2018-19.
12. Criterion coordinator during NAAC – 2017 accreditation.
13. Criteria 3 coordinator during NBA – 2018 accreditation.
14. Member of Organizing Committee for International Conference on Data Engineering and Communication Systems (ICDECS – 3) jointly organized by the Departments of CSE and ISE during Dec 19, 20 2019 at RNSIT, Bengaluru.

Research Work Details

Publication(s) (National/International Journals)

[1] R Rajkumar and Dr. M V Sudhamani, *Semantic Annotations of Medical Images from Radiological Reports and Retrieval using CBIR Techniques – A Survey*, International Journal of Applied Engineering Research, ISSN: 0973 - 4562, Vol. 10 No.86, 2015. (Scopus Indexed Journal)

[2] R Rajkumar and Dr. M V Sudhamani, *Crawler for Image Acquisition from World Wide Web*, International Journal of Computer & Organization Trends (IJCOT), ISSN: 2249-2593 – Volume 7, Issue 1 – Jan to Feb 2017.

[3] R Rajkumar, Dr. M V Sudhamani, *Retrieval of Images using Combination of Features as Color, Color Moments and Hu Moments*, Advances in Image and Video Processing, Open Access – UK Journal, DOI: 10.14738/aivp.75.7208, Volume 7 No 5, October (2019); pp: 9-21, 2019.

[4] R Rajkumar, M V Sudhamani, *Development of Retrieval System using Color from Multi-Segments and Shape features from Images as Combination*, International Journal of Engineering and Advanced Technology (IJEAT), DOI: 10.35940/ijeat.A1291.109119, ISSN: 2249 – 8958, Volume-9 Issue-1, October 2019.(Scopus Indexed Journal)

[5] R Rajkumar, M V Sudhamani, *Content based Image Retrieval System using Combination of Color and Shape Features, and Siamese Neural Network*, International Journal of Innovative Technology and Exploring Engineering (IJITEE), DOI: 10.35940/ijitee.B1053.1292S19, ISSN: 2278-3075, Volume-9 Issue-2S, December 2019.(Scopus Indexed Journal)

Paper(s) Presented (National/International Conferences)

1. R Rajkumar and Dr. M V Sudhamani, *Content based Image Retrieval System using Combination of Color and Shape Features, and Siamese Neural Network*, 3rd International Conference on Data Engineering and Communication Systems (ICDECS 2019), Bengaluru, Dec 19-20, 2019.
2. R Rajkumar and Dr. M V Sudhamani, *Content Based Image Retrieval using Heron Filtering, Fast BEMD and Gray level features*, 1st IEEE International Conference on Advances in Information Technology (ICAIT – 19), IEEE Digital Xplore DOI: 978-1-7281-3241-9/19, July 25-27, 2019.
3. R Rajkumar and Dr. M V Sudhamani, *Crawler for Image Acquisition from World Wide Web*, 3rd International Conference on Advances in Computer & Communication Engineering (ACCE – 2017, May 5-6, 2017.
4. R Rajkumar and Dr. M V Sudhamani, *Semantic Annotations of Medical Images from Radiological Reports and Retrieval using CBIR Techniques – A Survey*, 2nd International Conference on Data Engineering and Communication Systems (ICDECS – 2015), , Bengaluru, Dec 28 & 29, 2015.

Invited Talks Delivered

1. A lecture on "UNIX System Programming" at Bahubali College of Engineering on 5th May 2012.
2. Delivered a technical seminar on "GNU Debugger (gdb)" at 3 – days FDP on Fundamentals and Advanced concepts of UNIX by Departments of CSE, ISE &MCA, RNSIT during 19 – 21 July 2016.

Session chair(s) at National / International Conferences / Symposia

1. Session chair for paper presentation for One Day National Level Technical Symposium "ADVAYA – 2013" at Shirdi Sai Engineering College, Anekal, Bengaluru – 562106 on 31st Oct 2013.
2. Recruitment Committee for DRDO – Part of the recruitment committee for selection to the Junior Scientist for DRDO in the year 2011.

Workshops/ Seminars / FDPs/Training Programmes

1. Two day FDP on *Medical Data Mining and Image Processing (WMDM IP-2012)*, at Reva Institute of Technology and Management, Bengaluru during 27th & 28th January 2012.
2. Three day FDP on *MATLAB and its applications to image processing and communication* organized by Department of E&C, RNSIT during 28th – 30th January 2013.

3. Two days Faculty Development Programme on *Programming in C and Data Structures* at RNSIT held during 24th& 25th, July 2014.
4. Three day workshop on *Research Methodology* organized by VTU, Belagavi at Shreedevi Institute of Technology, Mangalore during 9th – 11th September 2014.
5. Five days FDP on *Hands-on Training on current computing tools* organized by Department of ISE, SJBIT, Bengaluru during 27th – 31st January 2015
6. Three days FDP on *Fundamentals and Advanced concepts of UNIX* organized by Department of CSE, ISE & MCA, RNSIT during 19 – 21 July 2016.
7. Two day workshop on *IEEE SmartTech Workshop* conducted by IEEE Bangalore Section at Vivanta – Taj, MG Road, during 18 – 19 November 2016.
8. One day FDP on *ARM Processors and Programming* organized by Department of CSE& ISE, RNSIT on 30th January 2017.
9. One day FDP on *OOP with Java* organized by Department of CSE& ISE, RNSIT on 31st January 2017.
10. Two day FDP on *Database Application Development* organized by Departments of ISE & CSE, RNSIT during 2nd – 3rd August 2017.
11. Three days FDP on *Machine Learning* organized by Departments of CSE & ISE, RNSIT during 19th – 21st July 2018.
12. Two days FDP on *Web Technology and its Applications* organized by Departments of ISE & CSE, RNSIT during 23rd& 24st July 2018.
13. One day IEEE Symposium on Deep Vision.AI by IEEE Computer Society, Bangalore Section, at Hotel Sterlings Mac, Old Airport Road, Opposite Leela Palace, Bangalore on Nov 24th, 2018.
14. One day Online Conference on AWS Innovate with theme on Machine Learning and AI Edition by Amazon Web Services, USA on Feb 14th, 2019.
15. Three day IEEE International Conference on Advances in Information Technology (ICAIT – 19), AIT, Chikkamagaluru, July 25-27, 2019.
16. Two day – 3rd International Conference on Data Engineering and Communication Systems (ICDECS-2019), RNSIT, Bengaluru, Dec 19-20, 2019.

Personal Details

Date of Birth	: 14 – 06 – 1979
Gender	: Male
Marital Status	: Married
Address	: #314, 6th Main Road, 5th Cross, Jnana Bharati BDA Layout, I Stage, Valagerehalli, RVCE Post, Bengaluru – 560 059