Curriculum Vitae

1. **Name:** Rajiv Ranjan Suman
2. **Designation:** Associate Professor, Dept of Computer Science & Engineering
3. **E-mail:** rrsuman.cse@nitjsr.ac.in
4. **Phone:** 8434765977

5. **Address for Communication:** Dept of Computer Sc & Engineering, NIT Jamshedpur

6. **Date of Birth:** 30th June 1967
7. **Areas of Interest:** Software Engineering, Algorithms, Computer networks

8. **Educational Qualifications:**

Examination/Degree	Year	Subjects/Discipline	CGPA/ % Marks, Division	Institution/Board
Ph.D.	Pursuing at NIT Jamshedpur			
M. Tech	2003	Computer Science& Engineering	8.38/10	IIT Kharagpur
BE	1991	---do---	68%	BIT Sindri (Ranchi Univ)
12th/Intermediate	1984	Phy, Chem, Math	60%	BIEC, Patna
10th/High School	1982	Science, Math, Economics	76.7%	BSEB, Patna

9. **Master's Thesis:** "Dynamic load balancing in a network using virtual caching"

10. **EmploymentDetails (recent first):**

Sl. No.	Designation	Employer	Period
1.	Associate Professor (CSE dept)	NIT Jamshedpur	26-03-2010 to till date continuing
2.	Lecturer (selection grade)	NIT Jamshedpur	26-03-2006 to 25-03-2009
3.	Sr Lecturer (CSE dept)	NIT Jamshedpur	26-03-2002 to 25-03-2006
4.	Lecturer (CSE dept)	NIT Jamshedpur	26-03-1996 to 25-03-2002
5.	Ad hoc Lecturer (CSE dept)	NIT Jamshedpur	15-01-1996 to 25-03-1996
6.	Part-time Lecturer (CSE dept)	BIT Sindri, Dhanbad	05-03-1992 to 14-01-1996

11. **Courses Lectured:**
    (d) *UG Level:*Design and Analysis of algorithms, Microprocessorand Interfacing, Operating Systems, Database Management Systems, Computer organization and Architecture, Advanced Computer Architecture, C Programming, Theory of Computations, Compiler Design, Software Engineering, Computer Networks,Management Information Systems,
    (e) *PG Level:*Algorithms, Software Engineering

12. **Details of new courses developed/ existing courses revised**

Sl. No.	Undergraduate	Postgraduate
1.	Revised syllabus of almost all the courses taught	Revised syllabus of Algorithms, Software Engineering
2.	Prepared course structure and syllabus of new M. Tech program in Computer Sc & engineering in CSE dept	

13. **List of Publications:**
    (a) P.Jagadeeswara Rao, Sunil Kumar Singh , Pradeep Mahatho, **Rajiv Ranjan Suman**, S.N.Singh, and Rajesh Duvvuru : Performance Analysis of Multi-Class Steganographic Methods Based on Multi-Level Re-Stegnography - Springer, Cham Book: ICT and Critical Infrastructure: Proceedings of the 48th Annual Convention of Computer Society of India-Vol II, pp:535-542, 2014.
    (b) **Rajiv Ranjan Suman**, Rajib Mall, Manoranjan Satpathy, and Srihari Sukumaran : Extracting State Models for Black-Box Software Components - Journal of Object Technology vol:9 issue:3 pp:79-103 (2010).
    (c) **Rajiv Ranjan Suman** and **Rajib Mall** : State model extraction of a software component by observing its behavior - ACM SIGSOFT Software Engineering Notes vol:34 issue:1 pp:1-7 (2009).
    (d) Sudebkumar Prasant Pal, **Rajiv Ranjan Suman**, G. Sudha Anil Kumar, and Ruchi Malhotra: Virtual video caching: A scalable and generic technique for improved quality of video service. - J. High Speed Networks vol:13 issue:4 pp:249-263 (2004).
    (e) S. P. Pal, **R. R. Suman**, G. S. Anil Kumar and R. Malhotra: Virtual video caching: A scalable and generic technique for improved quality of video service, Proc. of the 2nd Trusted Internet Workshop, HiPC 2003, Hyderabad, India, December 17, 2003.

14. **Master's Theses Supervised**
    (a) **Completed:**01 (single as sole supervisor) and 02 (as 2nd supervisor)
    (b) **Under Progress:** 01 (single as sole supervisor) and 02 (as 2nd supervisor)

15. **B. Tech Theses Supervised:** More than 30

16. **Administrative Experience:**
    (a) *Institute Level:*
        (i) **Prof-in-charge (same as HOD), CSE dept:** 1st July 199 to 25th July 2001
        (ii) **HOD, CSE dept:**   May 2005 to July 2007,   and
                 13th May 2013 to 12th May 2015
        (iii) **Associate Dean (Digital campus):** 13th May 2015 to till date continuing
        (iv) **Prof-in-charge, Institute website:** July 2011 to Sept 2017
        (v) **Chairman, Institute websiteCommittee**: Sept 2017 to till date continuing
        (vi) **Member, UG admission Committee:** In 2003

    (b) *Department Level:*

Sl No.	Name of the activity/responsibility		Period
1.	Lab-in-charge, Software Lab Room No. SA-007		Jan 2006 to July 2007
			July 2011 to Dec 2016
2.	Faculty Advisor	B. Tech, 7th and 8th semester	July 2011 to Dec 2014
		B. Tech, 1st and 2nd semester	July 2015 to Dec 2017
		M. Tech, 1st and 2nd semester	July 2015 to Dec 2017
3.	Chairman, Departmental Purchase Committee		July 2011 to June 2013 July 2003 to June 2005
4.	Coordinator, ACM Student chapter		July 2012 to June 2013
5.	Chairman, Departmental Library Committee		July 2003 to June 2005 July 2011 to June 2013
6.	TEQIP representative, CSE dept		July 2003 to June 2005

17. **Short Term/Refresher Courses Organized / Attended:**
    (a) *Organized:*Two days workshop on "Latex for Technical writing" in Jan 2015 sponsored by TEQIP-II of the Institute
    (b) *Attended:*About 13 weeks at various engineering institutions in the country

18. **Internship Organized: Five times (Two months duration each):**
Organized Summer Internship for B. Tech students (batches of 15 to 20 participants with stipend paid to each of them, Rs 10000 first years 2013 and 2014 and Rs 20000/- for next three years 2015 to 2017) of the Institute as Coordinator **five** times **"**Summer Internship on Development and Maintenance of Institute Website" in 2013, 2014, 2015, 2016, and 2017 from mid-May to mid-July in the respective years.