

Resume
Of
Dr. Chiranjeev Kumar
CNE, BE, ME, Ph.D.

Associate Professor
(Department of Computer Science & Engineering)
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Training & Placement Officer
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I. Education

1. **Ph.D.**, “Mobility Management and Route Optimization for Wireless Networks” from *University of Allahabad*, India, 2006.
2. **Master of Engineering (M.E.)**, *Computer Science & Engineering*, Motilal Nehru Regional Engineering College (presently MNNIT), Allahabad, India, First Class First, *University of Allahabad*, 2001. M.E. Thesis: “Platform Independent Computing on a Heterogeneous Cluster”.
3. **Bachelor of Engineering (B.E.)**, *Telecommunication Engineering*, Dayananda Sagar College of Engineering, Bangalore, India, First Class, *University of Bangalore*, 1997. B.E. Final Year Project: “Micro-Controller Controlled Digital Radio”.

II. Present Employment

Associate Professor, *Computer Science and Engineering Department*, Indian School of Mines (ISM), Dhanbad, India, from **June 28, 2009 – till date**.

- Teaching courses on Database Management Systems and Computer Networks at Bachelors Degree level classes.
- Taught courses on Data Structures, Principle of Database Management System, Software Engineering, Distributed Operating Systems and Internet Technology at Masters Degree level classes and Operating System, Advanced Operating Systems, Principle of Database Management Systems, Software Engineering and Internet Technology at Bachelors degree level classes.
- Supervising five (2 - Full Time; 5 - Part-Time) Ph.D.
- Supervising Three M.Tech Dissertation and Two B.Tech projects.
- Supervised Nine M.Tech Dissertations and Twenty Two B.Tech final year projects.

III. Past Experiences

Designation	Organization	Duration	Nature of Work
Assistant Professor	<i>CSE Dept., Indian School of Mines (ISM), Dhanbad</i>	<i>January 1, 2006 – June 27, 2009</i>	Teaching UG and PG Students
Senior Lecturer	<i>CSE Dept., Indian School of Mines (ISM), Dhanbad</i>	<i>June 23, 2005 – December 31, 2005</i>	Teaching UG and PG Students
Lecturer	<i>CSE Dept., Engineering Degree Division, Institute of Engineering and Rural Technology (IERT), Allahabad</i>	<i>September 7, 2002 – June 22, 2005</i>	Teaching UG Students
Guest Lecturer	<i>CSE Dept., Engineering Degree Division, IERT, Allahabad</i>	<i>March 1, 2002 – Sept 6, 2002</i>	Teaching UG Students
Guest Lecturer	<i>CSE Dept., Motilal Nehru National Institute of Technology (MNNIT), Allahabad</i>	<i>January 8, 2002 to March 1, 2002</i>	Teaching UG Students
Guest Lecturer	<i>CSE Dept., MNNIT, Allahabad</i>	<i>July 16, 2001 to January 7, 2002</i>	Teaching UG and PG Students
Course Counselor	<i>IGNOU, M. N. R. Study Center, Allahabad</i>	<i>August 11, 2001- March 1, 2002</i>	Teaching BCA and MCA Students
Faculty Member and Administrative Officer	<i>Forum for Advanced Computer Education and Information Technology (FACE-IT), Allahabad (Computer Education in collaboration with MNNIT, Allahabad).</i>	<i>December 05, 2000 – March 1, 2002</i>	Teaching and Managing Day-to-Day Activities.
System Executive	<i>Prime Management and Technological Consultants (pMTC), Allahabad, India (Singapore based company)</i>	<i>March 13, 2001 to May 17, 2001</i>	Designing and developing Web pages and Web sites for MNCs
Visiting Lecturer	<i>CSE Dept., MNNIT, Allahabad</i>	<i>Jan 15, 2001 to May 17, 2001</i>	Teaching UG Students
Faculty Member and Administrative Officer	<i>FACE-IT, Allahabad (Computer Education in collaboration with MNNIT, Allahabad).</i>	<i>September 05, 1998 to August 02, 1999</i>	Teaching and Managing Day-to-Day Activities.
Part-Time Lecturer	<i>Electronics Engineering Dept., MNNIT, Allahabad</i>	<i>Dec 11, 1998 to May 14, 1999</i>	Teaching UG Students
Part-Time Lecturer	<i>Electronics Engineering Dept., MNNIT, Allahabad</i>	<i>July 14, 1998 to Nov 27, 1998</i>	Teaching UG Students

IV. Publications

<u>International Journals:</u>	06
<u>International Conferences:</u>	16
<u>National Conferences:</u>	10
<u>Technical Article:</u>	01

Books

1. **Chiranjeev Kumar & Rajeev Tripathi** “*Mobility Management Techniques for Wireless Networks: Review, Issues, and Design Concepts*”, (**Research Monograph**), LAP LAMBERT Academic Publishing, Germany, Sept 2010, **ISBN: 978-3-8383-9163-2**.
2. **Chiranjeev Kumar et al.** “*Recent Advances on Information Technology*”, (**Proceedings of the National Seminar RAIT-2009**, Feb. 6-7, 2009, ISM University, Dhanbad), Allied Publishers Pvt. Ltd., New Delhi, 2009, **ISBN: 978-81-8424-415-1**.
3. **Chiranjeev Kumar et al.** “*Recent Advances on Information Technology*”, (**Proceedings of the National Seminar RAIT-2007**, Feb. 26-27, 2007, ISM University, Dhanbad), Allied Publishers Pvt. Ltd., New Delhi, 2007, **ISBN: 81-8424-178-X**.

V. Major Research Project

1. Project Title: **Development of QoS Routing Protocol for Wireless Ad-Hoc Networks**
Funding Agency: **University Grants Commission, New Delhi**
Capacity: **Principal Investigator**
Lay Out: **Rs. 6,16,800.00**
Status: **Ongoing**
2. Project Title: **Development of Mobility Management Protocols for Wireless Networks**
Funding Agency: **ISM, Dhanbad**
Capacity: **Principal Investigator**
Lay Out: **Rs. 4,73,000.00**
Status: **Ongoing**

VI. Seminar/Workshop Organized

1. Organized (as **Convener**) a two-day National Seminar on “**Recent Advances on Information Technology (RAIT-2009)**” at Indian School of Mines University during **6-7 February 2009**.
2. Organized (as **Organizing Secretary**) 1st Workshop on “**Parallel & Distributed Computing (WPDC-08)**” at Indian School of Mines University on **28 March 2008**
3. Organized (as **Co-Convener**) a two-day National Seminar on “**Recent Advances on Information Technology (RAIT-2007)**” at Indian School of Mines University during **26-27 February 2007**.

VII. Conferences/Seminars/Workshop/Winter School Attended

Year	Conferences/Seminars/Workshop/Winter School	Role
2010	IEEE International Conference ICCCT-2010 held at MNNIT, Allahabad, 17-19 September 2010	Chaired a Technical Session
2009	National Seminar on Recent Advances on Information Technology (RAIT – 2009) held at Indian School of Mines University (ISMU), Dhanbad, 6-7 February 2009	Convener
2008	IEEE International Conference TENCN-2008 held at University of Hyderabad, Hyderabad, 18-21 November 2008	Presented a Research Papers on “Efficient Bandwidth Utilization in Mobile Environments for Temporal Based Cache Invalidation”
2008	National Seminar on Frontiers in Electronics, Communication, Instrumentation & Information Technology (FECIIT-2008) held at Indian School of Mines University, Dhanbad, 13-15 October 2008	Presented a Research Papers on “Multicast-Based Approach for Micro-Mobility & Comparison of its Handoff Latency with other Micro-Mobility Schemes” and “A Review of Mobility Management Schemes for the Wireless Networks”
2008	Syllabus Revision Workshop held at Computer Science & Engineering Department, MNNIT, Allahabad, 23 May 2008	Expert
2008	1 st Workshop on Parallel & Distributed Computing (WPDC-08) held at ISM University, Dhanbad, 28 March 2008	Organizing Secretary
2007	National Level Workshop (Faculty Development Program) on Soft Computing Techniques held at MAIT, New Delhi, 11-21 December 2007.	Participant
2007	World Congress on Engineering and Computer Science (WCECS-2007) held at University of California, Berkeley, San Francisco (USA), 24-26 October 2007. (Organized by IAENG)	Presented a Research Paper on “An Efficient Analytical Method for Location Management Strategy in Cellular Mobile Networks”
2007	International Conference on Information & Communication Technology (ICT-2007) held at Dehradun Institute of Technology (DIT), Dehradun, Uttranchal, India, 26-28 July 2007.	Presented a Research Paper on “Efficient Location Management Scheme for Wireless Networks”.
2007	National Seminar on Recent Advances on Information Technology (RAIT – 2007) held at Indian School of Mines University (ISMU), Dhanbad, 26-27 February 2007	Co-Convener
2006	International Conference on Next Generation Communication Systems – A Perspective (ICONGENCOM-2006) held at J. K. Institute of Applied Physics & Technology, University of Allahabad, Allahabad, India, 09-11 December 2006	Presented a Research Paper on “Performance Improvement of Mobile IP”
2006	National Seminar on Sensor Networks and Its	Invited Talk on “Routing

	Applications held at J. K. Institute of Applied Physics & Technology, University of Allahabad, Allahabad, 13-14 May, 2006	<i>Techniques in Wireless Sensor Networks</i>
2006	National Seminar on Advances in Computer and Information Technology (ACIT – 2006) held at ISM, Dhanbad, 11-12 March, 2006.	Participant
2005	One Day Workshop on Wireless Networks (Research Issues) held at MNNIT, Allahabad, 5 February, 2005	Conducted a Session on “ <i>Introduction to Network Simulator (NS 2)</i> ”
2005	7 th IEEE International Conference on Personal Wireless Communications (ICPWC-2005) held at New Delhi, 23-25 January 2005	Presented a Research Paper on “ <i>Performance of Mobile IP with New Route Optimization Technique</i> ”
2005	Winter School on Wireless and Mobile Communication held at MNNIT, Allahabad, 10-14 January, 2005.	Conducted a Session on “ <i>Introduction to Network Simulator (NS 2)</i> ”
2004	National Conference on Research & Practices in Current Areas of IT (RPIT’ 04) held at CIET, Longowal, 26-27 March, 2004	Presented a Research Paper on “ <i>Mobile Location Management in Wireless ATM Networks</i> ”
2002	National Seminar on Communication Convergence held at Allahabad University, 16-18 May 2002.	Delivered a Talk on “ <i>Performance of Mobile IP</i> ”
2002	National Workshop on Mobile Communication and Computing held at School of Management Sciences, Varanasi, 3 February, 2002	Delivered a Talk on “ <i>Route Optimization in Wireless Network</i> ”

VIII. Administrative Experience

1. **Training & Placement Officer** of ISM, Dhanbad.
2. **Course Coordinator, M.Tech (Computer Application) Programme.**
3. Working as an active member of the following committee at **ISM, Dhanbad**:
 - (a) **Departmental Research Committee (DRC)**
 - (b) **BOCS Member of CSE Department**
 - (c) **Departmental Moderation Board**
 - (d) **Scrutinizing and Recommending the Uniform Course Structure Committee**
 - (e) **Counseling Unit (For students facing any type of problems causing mental depression)**
 - (f) **Press & Publicity Committee (PPC)**
4. Worked as an member of the following committee at ISM University, Dhanbad
 - (a) **External Member of E&I Departmental Research Committee (DRC)** (For Two Years)
 - (b) **Central Research Council (CRC)** (For Two Years)
 - (c) **Computer Committee** (For One Year)
 - (d) **Core Course Committee** (For Two Years)
5. Managed day-to-day academic & administrative activities of *Computer Science & Engineering Department* at *IERT, Allahabad* as *Head of the Department*, 2002-2005.

6. An **Observer** and **Practical Examiner** for the examination of *Uttar Pradesh Technical University, Lucknow* from 2002 to 2005.
7. **Center Coordinator** for the *State Entrance Examination (UP-SEE 2005)* of *Uttar Pradesh Technical University, Lucknow*.
8. An **Observer** for the *State Entrance Examination (UP-SEE 2004)* of *Uttar Pradesh Technical University, Lucknow*.

IX. Reviewer/Editorial Board Member

Journals/Proceedings

1. **Editorial Board Member** of **International Journal of Latest Trends in Computing (IJLTC)**, July 2010
2. **Reviewer** in an “**IEEE International Conference on Computer and Communication Technology (ICCT-2010)**”, *MNNIT Allahabad*.
3. **Editorial Board Member** of **International Journal of Advanced Research in Computer Science (IJARCS)**, May 2010
4. **Editorial Board Member** of **International Journal of Computer Science and Security (IJCSS)**, August 2009
5. **Reviewer** in an **International Journal of Computer Science & Software Technology**.
6. **Reviewer** in a **Journal of Tata Search 2008**, 15th Issue.
7. **Reviewer** in an **International Journal of Computers & Applications (IJCA)**, ACTA Press.
8. **Reviewer** in an **Iranian Journal of Electrical and Computer Engineering (IJECE)**, Iran.
9. **Reviewer** in “**41st National Annual Convention**”, *Computer Society of India (CSI-2006)*.
10. **Reviewer** in an *International Conference* on “**Emerging Applications of IT (EAIT’06)**”.

Book/Chapter/Article

1. **Reviewer** for a book on **Internet and Web Technologies** by Raj Kamal, TMH Publication, June 2010.
2. **Reviewer** for a book on **In-line/On-Line Fundamentals of the Internet and the World Wide Web** (2nd Edition) by Greenlaw/Hepp, TMH Publication, July 2008
3. **Reviewer** for a book on **Web Technologies** by Godbole/Kahate, TMH Publication, July 2007. Revised book is “**Web Technologies: TCP/IP Architecture, and Java Programming (Second Edition)**” by Godbole/Kahate.
4. **Reviewer** for “**The Handbook of Computer Networks**” undertaken by *John Wiley & Sons, Inc.* and reviewed articles on:
 - (a) Location Management in Personal Communication Systems
 - (b) Mobile Radio Communication

X. Training

1. Attended a four days (17-20 September 2009) hands-on training on *Object Oriented Analysis and Design using UML with Fundamentals of Rational Rose* at *ISM, Dhanbad*.
2. Attended a three days (2-4 August 2006) hands-on training on *Borland CASE Tools (CaliberRM, Together Solo, StarTeam, OptimizeIT)* at *Borland Software India Pvt. Ltd., Bangalore*.
3. Provided **Computer Awareness Training (CAT) to Veterinary Doctors, Allahabad** at *Institute of Engineering & Rural Technology (IERT), Allahabad* in 2004
4. Provided **Computer Awareness Training (CAT) to Sub-Inspector, PHQ, Allahabad** at *Motilal Nehru National Institute of Technology (MNNIT), Allahabad* in 2001

XI. Other Activities

1. **Member of Departmental Research Committee** for Ph.D. Program in Computer Science & Engineering (CSE), NIT Patna.
2. **U.G. Member for the Board of Studies** at *Dept. of Computer Science of Engineering & Information Technology, V.B.S. Purvanchal University, Jaunpur (UP)*, 30-09-2010 to 31-08-2012 (Two Years).
3. **External Examiner** at *BIT, Mesra, Ranchi* for VI Semester M.Tech [PT] Project Viva-voce Examination, 18-19 May 2009.
4. **Visiting Faculty** at *BIT Sindri, 2008-2009*.
5. **Member of Assessment Committee** for assessing the cases of staff at *CIMFR, Digwadih*, 04th September 2008.
6. **External Examiner** at Ranchi University for VI Semester MCA Project Examination, 12 July 2008.
7. **Screening Committee Member of DOEACC** to visit ISIT, Deoghar for Accreditation of 'A' Level Courses, 28 February 2008.
8. **Expert** at R.S.P. College, Jharia for Selection of **Technicians** for Instrument Maintenance, 15 February 2008.
9. Delivered an *Invited Talk* on "**Routing Techniques in Wireless Sensor Networks**" at the *National Seminar on "Sensor Networks & Its Application"* at *Allahabad University*, 13-14 May, 2006.

XII. Awards/Achievements

1. Receive the **GOLD MEDAL** in M.E (Computer Science & Engineering)
2. Receive the **BEST PAPER AWARD**, World Congress on Engineering and Computer Science (WCECS-2007) held at University of California, Berkeley, San Francisco (USA), 24-26 October 2007. (Organized by IAENG)
3. Becomes **Certified Novell Administrator (CNA) & Certified Novell Engineer (CNE)**, NetWare 4.1 in 1998

XIII. Organizing Committee & Advisory Board Member

1. **Organizing Committee Member** of the **International Seminar on "Recent Advances in Geosciences (RAG 2011)"**, at *ISM Dhanbad* during 11-13 January 2011.
2. **Member of Technical Advisory Committee** of the "**International Conference on Computers and Communication (ICCC-2010)**," at *SIST, Bhopal (India)* during 10-11 December 2010

3. **Technical Program Committee Member** of “**Annual International Conference on Software Engineering (SE-2010)**”, 6-7 December 2010, Phuket, Thailand.
4. **Technical Program Committee Member** of “**Annual International Conference on Network Technologies & Communications (NTC-2010)**”, 29-30 November 2010, Phuket, Thailand.
5. **Member of International Advisory Committee** of the “**International Conference on Methods and Models in Science & Technology (ICM2ST-10)**,” at *Jaipur (Rajasthan)* during 10-12 November 2010
6. **Programme Committee Member** of “**IEEE International Conference on Computer and Communication Technology (ICCCT-2010)**”, 17-19 September 2010, *MNNIT Allahabad*.
7. **Member of International Advisory Board** of the “**International Congress on Pervasive Computing and Management (icpcm’08)**,” at *New Delhi* during 12-14 December 2008.
8. **Organizing Committee Member** of the **National Seminar** on “**Frontiers in Electronics, Communication, Instrumentation and Information Technology**”, at *ISM University, Dhanbad* during 13-15 October 2008.
9. **Organizing Committee Member** of the **National Seminar** on “**Modern Trends in Geophysical Sciences and Techniques (MTGST-2007)**”, at *ISM University, Dhanbad* during 12-14 November 2007.
10. **Technical Advisor Panel Member** of the **National Conference** on “**Distributed & Soft Computing**”, at *J. J. College of Engineering & Technology, Tiruchirapalli, Tamil Nadu* during 22-23 February 2007.

XIV. Membership of Professional Bodies

IEEE Communication Society (from year 2006)

XV. Personal Details

Date of Birth	:	31-10-1974
Father’s Name	:	Sri. Yogendra Thakur
Correspondence Address	:	Thakur Colony Bekar Bandh Dhanbad-826 001 Jharkhand, India Tel: +91-326-2203784
Passport Number	:	A-6461854
Marital Status	:	Married
Hobbies	:	Sketching & Cooking
Nationality	:	Indian

XVI. References

1. Dr. P. K. Jana

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3. Prof. A. K. Misra

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