

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

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**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 Distributed Operating Systems at Masters Degree level classes; Software Engineering and Advanced Operating Systems at Bachelors Degree level classes.
- Taught courses on Principle of Database Management System, Software Engineering 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; 3 - Part-Time) Ph.D.
- Supervising two M.Tech Dissertation and three B.Tech projects.
- Supervised seven M.Tech Dissertations and Nineteen B.Tech final year projects.

### III. Past Experiences

<b>Designation</b>	<b>Organization</b>	<b>Duration</b>	<b>Nature of Work</b>
<b>Assistant Professor</b>	<i>CSE Dept., Indian School of Mines (ISM), Dhanbad</i>	<i>June 28, 2006 – June 27, 2009</i>	Teaching UG and PG Students
<b>Senior Lecturer</b>	<i>CSE Dept., Indian School of Mines (ISM), Dhanbad</i>	<i>June 23, 2005 – June 27, 2006</i>	Teaching UG and PG Students
<b>Lecturer</b>	<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
<b>Guest Lecturer</b>	<i>CSE Dept., Engineering Degree Division, IERT, Allahabad</i>	<i>March 1, 2002 – Sept 6, 2002</i>	Teaching UG Students
<b>Guest Lecturer</b>	<i>CSE Dept., Motilal Nehru National Institute of Technology (MNNIT), Allahabad</i>	<i>January 8, 2002 to March 1, 2002</i>	Teaching UG Students
<b>Guest Lecturer</b>	<i>CSE Dept., MNNIT, Allahabad</i>	<i>July 16, 2001 to January 7, 2002</i>	Teaching UG and PG Students
<b>Course Counselor</b>	<i>IGNOU, M. N. R. Study Center, Allahabad</i>	<i>August 11, 2001- March 1, 2002</i>	Teaching BCA and MCA Students
<b>Faculty Member and Administrative Officer</b>	<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.
<b>System Executive</b>	<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
<b>Visiting Lecturer</b>	<i>CSE Dept., MNNIT, Allahabad</i>	<i>Jan 15, 2001 to May 17, 2001</i>	Teaching UG Students
<b>Faculty Member and Administrative Officer</b>	<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.
<b>Part-Time Lecturer</b>	<i>Electronics Engineering Dept., MNNIT, Allahabad</i>	<i>Dec 11, 1998 to May 14, 1999</i>	Teaching UG Students
<b>Part-Time Lecturer</b>	<i>Electronics Engineering Dept., MNNIT, Allahabad</i>	<i>July 14, 1998 to Nov 27, 1998</i>	Teaching UG Students

#### **IV. Books Publications**

1. 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.**
2. 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**

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**

#### **VI. Additional Qualification**

**Certified Novell Engineer (CNE), NetWare 4.1, 1998**

- Papers:
- (a) Networking Technologies
  - (b) NetWare 4.1 Administration
  - (c) NetWare 4.1 Advanced Administration
  - (d) NetWare 4.1 Installation and Configuration
  - (e) NetWare 4.1 Design and Implementation
  - (f) NetWare 4.1 Service and Support
  - (g) TCP/IP

#### **VII. Consultancy Work Done**

1. Provided **Computer Awareness Training (CAT)** to *Veterinary Doctors, Allahabad at Institute of Engineering & Rural Technology (IERT), Allahabad.*
2. Provided **Computer Awareness Training (CAT)** to *Sub-Inspector, PHQ, Allahabad at Motilal Nehru National Institute of Technology (MNNIT), Allahabad.*

#### **VIII. Conferences/Seminars/Workshop/Winter School Attended**

<b>Year</b>	<b>Conferences/Seminars/Workshop/Winter School</b>	<b>Role</b>
2009	National Seminar on <b>Recent Advances on Information Technology (RAIT – 2009)</b> held at Indian School of Mines University (ISMU), Dhanbad, 6-7 February 2009	<b>Convener</b>
2008	IEEE International Conference <b>TENCON-2008</b> held	<b>Presented a Research Papers</b>

	at University of Hyderabad, Hyderabad, 18-21 November 2008	on “ <i>Efficient Bandwidth Utilization in Mobile Environments for Temporal Based Cache Invalidation</i> ”
2008	National Seminar on <b>Frontiers in Electronics, Communication, Instrumentation &amp; Information Technology (FECIIT-2008)</b> held at Indian School of Mines University, Dhanbad, 13-15 October 2008	<b>Presented a Research Papers</b> on “ <i>Multicast-Based Approach for Micro-Mobility &amp; Comparison of its Handoff Latency with other Micro-Mobility Schemes</i> ” and “ <i>A Review of Mobility Management Schemes for the Wireless Networks</i> ”
2008	<b>Syllabus Revision Workshop</b> held at Computer Science & Engineering Department, MNNIT, Allahabad, 23 May 2008	<b>Expert</b>
2008	1 <sup>st</sup> Workshop on <b>Parallel &amp; Distributed Computing (WPDC-08)</b> held at ISM University, Dhanbad, 28 March 2008	<b>Organizing Secretary</b>
2007	National Level Workshop (Faculty Development Program) on <b>Soft Computing Techniques</b> held at MAIT, New Delhi, 11-21 December 2007.	<b>Participant</b>
2007	<b>World Congress on Engineering and Computer Science (WCECS-2007)</b> held at University of California, Berkeley, San Francisco (USA), 24-26 October 2007. (Organized by IAENG)	<b>Presented a Research Paper</b> on “ <i>An Efficient Analytical Method for Location Management Strategy in Cellular Mobile Networks</i> ”
2007	International Conference on <b>Information &amp; Communication Technology (ICT-2007)</b> held at Dehradun Institute of Technology (DIT), Dehradun, Uttranchal, India, 26-28 July 2007.	<b>Presented a Research Paper</b> on “ <i>Efficient Location Management Scheme for Wireless Networks</i> ”.
2007	National Seminar on <b>Recent Advances on Information Technology (RAIT – 2007)</b> held at Indian School of Mines University (ISMU), Dhanbad, 26-27 February 2007	<b>Co-Convener</b>
2006	International Conference on <b>Next Generation Communication Systems – A Perspective (ICONGENCOM-2006)</b> held at J. K. Institute of Applied Physics & Technology, University of Allahabad, Allahabad, India, 09-11 December 2006	<b>Presented a Research Paper</b> on “ <i>Performance Improvement of Mobile IP</i> ”
2006	National Seminar on <b>Sensor Networks and Its Applications</b> held at J. K. Institute of Applied Physics & Technology, University of Allahabad, Allahabad, 13-14 May, 2006	<b>Invited Talk</b> on “ <i>Routing Techniques in Wireless Sensor Networks</i> ”
2006	National Seminar on <b>Advances in Computer and Information Technology (ACIT – 2006)</b> held at ISM, Dhanbad, 11-12 March, 2006.	<b>Participant</b>
2005	One Day Workshop on <b>Wireless Networks (Research Issues)</b> held at MNNIT, Allahabad, 5 February, 2005	<b>Conducted a Session</b> on “ <i>Introduction to Network Simulator (NS 2)</i> ”
2005	7 <sup>th</sup> IEEE International Conference on <b>Personal</b>	<b>Presented a Research Paper</b>

	<b>Wireless Communications (ICPWC-2005)</b> held at New Delhi, 23-25 January 2005	on “ <i>Performance of Mobile IP with New Route Optimization Technique</i> ”
2005	Winter School on <b>Wireless and Mobile Communication</b> held at MNNIT, Allahabad, 10-14 January, 2005.	<b>Conducted a Session</b> on “ <i>Introduction to Network Simulator (NS 2)</i> ”
2004	National Conference on <b>Research &amp; Practices in Current Areas of IT (RPIT’ 04)</b> held at CIET, Longowal, 26-27 March, 2004	<b>Presented a Research Paper</b> on “ <i>Mobile Location Management in Wireless ATM Networks</i> ”
2002	National Seminar on <b>Communication Convergence</b> held at Allahabad University, 16-18 May 2002.	<b>Delivered a Talk</b> on “ <i>Performance of Mobile IP</i> ”
2002	National Workshop on <b>Mobile Communication and Computing</b> held at School of Management Sciences, Varanasi, 3 February, 2002	<b>Delivered a Talk</b> on “ <i>Route Optimization in Wireless Network</i> ”

### **IX. Seminars/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*) 1<sup>st</sup> 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**.

### **X. Administrative Experience**

1. **Training & Placement Officer** of ISM, Dhanbad.
2. **Course Coordinator, M.Tech (Computer Application) Programme.**
3. An Active member of the following committee at **ISM, Dhanbad**:
  - (a) **Central Research Council (CRC)**
  - (b) **Departmental Research Committee (DRC)**
  - (c) **External Member of E&I Departmental Research Committee (DRC)**
  - (d) **BOCS Member of CSE Department**
  - (e) **Departmental Moderation Board**
  - (f) **Scrutinizing and Recommending the Uniform Course Structure Committee**
  - (g) **Counseling Unit (For students facing any type of problems causing mental depression)**
  - (h) **Press & Publicity Committee (PPC)**
4. Worked as an member of the following committee at ISM University, Dhanbad
  - (a) **Computer Committee** (For One Year)
  - (b) **Core Course Committee** (For Two Years)
5. Worked as one of the member of following **Administrative Committee** at **IERT, Allahabad**:
  - (a) **Store & Purchase Committee**
  - (b) **Proctorial Board**

### (c) Extra-Curricular Activity Committee

6. Managed day-to-day academic & administrative activities of *Computer Science & Engineering Department* at *IERT, Allahabad* as *Head of the Department*. The responsibilities were:
  - (a) Arranging guest faculty for the various courses
  - (b) Taking regular feedback from the students and discussing it with the faculty.
  - (c) Conducting *Summer/Winter Classes*.
7. An **Observer** and **Practical Examiner** for the examination of *Uttar Pradesh Technical University, Lucknow* from 2002 to 2005.
8. **Center Coordinator** for the *State Entrance Examination (UP-SEE 2005)* of *Uttar Pradesh Technical University, Lucknow*.
9. An **Observer** for the *State Entrance Examination (UP-SEE 2004)* of *Uttar Pradesh Technical University, Lucknow*.

## XI. Reviewer

1. **Editorial Board Member** of **International Journal of Advanced Research in Computer Science (IJARCS)**, May 2010
2. **Editorial Board Member** of **International Journal of Computer Science and Security (IJCSS)**, August 2009
3. **Reviewer** for a book on **In-line/On-Line Fundamentals of the Internet and the World Wide Web** (2<sup>nd</sup> Edition), TMH Publication, July 2008
4. **Reviewer** in an **International Journal of Computer Science & Software Technology**.
5. **Reviewer** in a **Journal of Tata Search 2008**, 15<sup>th</sup> Issue.
6. **Reviewer** for a book on **Web Technologies** by **Godbole/Kahate**, TMH Publication, July 2007
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 “**41<sup>st</sup> National Annual Convention**”, *Computer Society of India (CSI-2006)*.
10. **Reviewer** in an *International Conference* on “**Emerging Applications of IT (EAIT’06)**”.
11. **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

## XII. Other Activities

1. **Programming Committee Member** of “**IEEE International Conference on Computer and Communications (ICCC-2010)**”, *Allahabad*.
2. Attended a four days (17-20 September 2009) hands-on training on *IBM Rational Software Architecture (RSA) Program* at *ISM, Dhanbad*.
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.

5. **Member of International Advisory Board** of the “**International Congress on Pervasive Computing and Management (icpcm’08)**,” at New Delhi during 12-14 December 2008.
6. **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.
7. **Member of Assessment Committee** for assessing the cases of staff at CIMFR, Digwadih, 04<sup>th</sup> September 2008.
8. **External Examiner** at Ranchi University for VI Semester MCA Project Examination, 12 July 2008.
9. **Organizing Secretary** in the **1<sup>st</sup> Workshop on “Parallel & Distributed Computing (WPDC-08)”**, at *ISM University, Dhanbad* on 28 March 2008.
10. **Screening Committee Member of DOEACC** to visit ISIT, Deoghar for Accreditation of ‘A’ Level Courses, 28 February 2008.
11. **Expert** at R.S.P. College, Jharia for Selection of **Technicians** for Instrument Maintenance, 15 February 2008.
12. **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.
13. **Co-Convener** in the **National Seminar** on “**Recent Advances on Information Technology (RAIT-2007)**”, at *ISM University, Dhanbad* during 26-27 February 2007.
14. **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.
15. 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*.
16. 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.

### **XIII. Awards**

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)

### **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
Permanent 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. G. P. Biswas**

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