

**Resume
of
Prof. Chiranjeev Kumar**

**Professor (HAG) & Head
Department of Computer Science & Engineering**
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I. Education

1. **Ph.D.**, “Mobility Management and Route Optimization for Wireless Networks” from MNNIT Allahabad (under *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

Professor (HAG), *Computer Science and Engineering Department*, Indian Institute of Technology (ISM), Dhanbad, India, from **December 26, 2023 – till date**.

- Teaching courses on Computer Networks to Bachelor’s Degree students.
- Taught courses on Advanced Data Structures, Advanced Computer Networks, Advanced DBMS, Computer Programming, Database Management System, Software Engineering, Computer Networks, Distributed Operating Systems and Internet Technology at Masters Degree level classes and Data Structures, Operating System, Advanced Operating Systems, Database Management Systems, Software Engineering, Computer Networks and Internet Technology at Bachelors degree level classes.
- Courses Designed: Advanced Computer Networks, Advanced Software Engineering, and Distributed Systems.
- Supervising Two Full Time Ph.D. Scholars.
- Supervising Two M.Tech Dissertation.
- Supervised Twenty Two Ph.D, Seventy One M.Tech Dissertations and Ninety Five B.Tech Final year projects.

III. Past Experiences

Designation	Organization	Duration	Nature of Work

Professor	<i>CSE Dept., IIT (ISM), Dhanbad</i>	<i>Nov 07, 2017 – Dec 25, 2023</i>	Teaching UG and PG Students
Associate Professor	<i>CSE Dept., IIT (ISM), Dhanbad</i>	<i>June 28, 2009 – Nov 06, 2017</i>	Teaching UG and PG Students
Assistant Professor	<i>CSE Dept., IIT (ISM), Dhanbad</i>	<i>June 28, 2006 – June 27, 2009</i>	Teaching UG and PG Students
Senior Lecturer	<i>CSE Dept., IIT (ISM), Dhanbad</i>	<i>June 23, 2005 – June 27, 2006</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
Part Time Academic Counselor	<i>IGNOU Study Center, MNNIT Allahabad</i>	<i>August 2001- June 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. Ph.D. Supervision

Full-Time Research Scholars:

Sl. No.	Name	Title	Date of Registration	Status
1	Dr. Sanjay Kumar Biswash	Study and Development of Location Management Scheme for Wireless Networks	22/07/2008	Completed (14/03/2012) (Guide)
2	Dr. Mohd. Naseem	Study & Development of QoS Routing Protocols for MANET	06/02/2012	Completed (11/01/2016) (Guide)
3	Dr. Praveen Lalwani	Study and Investigation of Routing Protocols for Wireless Networks using Soft Computing	31/01/2014	Completed (24/07/2017) (Co-Guide)
4	Dr. Siba Mishra	Efficient Cost Estimation & Testing Approaches for SOA-based Systems	25/02/2013	Completed (23/03/2018) (Guide)
5	Dr. Mohd. Shameem	Agile Software Process Scaling and Management Model (ASPSMM) for Global Software Development	31/01/2014	Completed (20/06/2020) (Joint)
6	Dr. Rakesh Ranjan Kumar	QoS Aware Cloud Service Selection Framework Using MCDM Techniques	11/07/2014	Completed (04/02/2020) (Guide)
7	Dr. Ginny	Modeling And Development of Energy Optimization Techniques for Smartphones	17/07/2015	Completed (11/01/2022) (Joint)
8	Dr. Pankaj Pal	Design and Deployment of Sensor Nodes in IoWSN Monitoring Infrastructure for Precision Agriculture	11/05/2016	Completed (23/09/2022) (Co-Guide)
9	Dr. Pramod Kumar	A Robust Approach for Dependability Analysis of Safety-Critical Systems	02/08/2016	Completed (23/05/2022) (Joint)
10	Dr. Thirumal G.	Study and Development of Linear IIoT-based Time Critical Systems	17/03/2017	Completed (27/01/2025) (Guide)
11	Dr. Nand Kumar Jyotish	A Quantitative Approach for Dependability Evaluation of Safety-Critical Systems	28/07/2018	Completed (23/02/2024) (Joint)
12	Ms. Shaily Priyanka Bodra	Design and Modelling of Mobility Models for Search and Rescue operation during Disaster Management	12/08/2021	Ongoing (Guide)
13	Ms. Sonam Kumari	Doing Course Work	29/12/2013	Ongoing (Guide)

Part-Time Research Scholars:

Sl. No.	Name	Title	Date of Registration	Status
1	Dr. Prem Nath	Study and Development of Efficient Mobility Management Schemes for Communication Networks	09/10/2009	Completed (07/09/2013) (Guide)
2	Dr. (Mrs.) Mahua Banerjee	Efficient Model Driven Development Techniques using Aspect Oriented and Feature Oriented Programming	03/03/2008	Completed (22/02/2014) (Guide)
3	Dr. Dharavath Ramesh	Study and Approach to Integrating Agreement Protocols in Distributed Database Processing Systems	24/02/2012	Completed (23/03/2015) (Guide)
4	Dr. Dhirendra Kr. Sharma	Study and Development of Routing Protocols for Ad Hoc Networks	22/07/2009	Completed (15/01/2016) (Guide)
5	Dr. Dinesh Kumar Prabhakar	Informal Information Processing: Techniques and Evaluation	25/02/2013	Completed (08/08/2022) (Joint)
6	Dr. Shankhajit Mitra	Development of Management Information System for Underground Coal Mines in Jharia Coalfield	22/01/2014	Completed (25/08/2022) (Co-Guide)
7	Dr. Sudeep Varshney	Efficient Hierarchical Routing Protocols for Wireless Sensor Networks	01/03/2014	Completed (13/06/2022) (Joint)
8	Dr. Amrit Suman	Improving Vehicular Ad hoc Network Protocols for Safety in Realistic Scenarios	03/03/2014	Completed (09/05/2022) (Guide)
9	Dr. Soumen Nayak	Techniques to Enhance the Fault Detection Rate using Regression Test Prioritization	11/07/2014	Completed (09/05/2022) (Joint)
10	Dr. Mahendra Singh	Study and Development of Efficient Resource Management Schemes for Structured P2P Networks	11/09/2015	Completed (13/01/2023) (Joint)
11	Dr. Sanjeev Kumar Singh	Development of Fair and Efficient Resource Discovery Schemes for P2P Networks	04/02/2016	Completed (13/01/2023) (Joint)

V. Patents

Sl. No.	Title	Patent No.	Status	Granted Date
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1	An Integrated UMTS Wireless LAN System and Method for Location Management	380036	Granted	26/10/2021
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VI. Collaborative Works

1. Joint Ph.D. Guidance with Prof. Kshirasagar Naik, Dept. of Electrical and Computer Engineering, University of Waterloo, Canada.
2. Joint Ph.D. Guidance with Dr. L. K. Singh, Scientist E, NPCIL, Department of Atomic Energy, Government of India.

VII. Publications

Publications in	Number of Publications
International Journal	100
International Conference/Seminar Proceedings	70
National Conference/Seminar Proceedings	11
Books	08
Book Chapters	05
Abstracts	03
Technical Articles	02

VIII. Major Research Project & Research Consultancy

Project Title	Funding Agency	Capacity	Outlay (Lakhs)	Duration	Status
Study of Executive Manpower requirement for the next 10 years in CIL and its Subsidiaries [CONS/3859/2018-19]	Coal India Limited	Member	126.95 325	Aug'18– April'24	Completed
Development of Virtual Reality Mine Simulator (VRMS) for improving Safety and Productivity in Indian Coal Mines [CIL(9)/2017-2018/540/ME]	Coal India Limited	Co-PI	1320.1 0	Sept'17 – April'24	Completed
Information Security Education & Awareness (ISEA) Phase-II [MCIT(3)/2015-2016/419/CSE]	MCIT, New Delhi	Team Member	148.10	Jun'15 – Dec'23	Completed
WSN based Disaster and Environmental Monitoring System for Safety of Miners working in Underground Coal Mines [CSIR(24)/2017-	CSIR, New Delhi	PI	14.25	May'17 – Apr'20	Completed

2018/521/CSE]					
Energy-Efficient Intruder Detection Schemes for WSN using Learning-based Techniques [DRDO(2)/2015-2016/431/CSE]	DRDO, New Delhi	PI	28.52	Nov'15 – Nov'18	Completed
Node Mobility Techniques for Tactical IP Networks [DRDO(5)/2016-2017/464/CSE]	DRDO (CAIR Lab)	PI	06.25	June'16 – Aug'17	Completed
Development of Mobility Management Protocols for Wireless Networks	IIT(ISM), Dhanbad	PI	02.73	Mar'10 – Mar'13	Completed
Development of QoS Routing Protocol for Wireless Ad-Hoc Networks [UGC(40)/2008-2009/231/CSE]	UGC, New Delhi	PI	6.168	Feb'09 – Jan'12	Completed

IX. Short Term Courses Organized

Sl. No.	Course Title (Cons. No.)	Role	Duration	No. of Participants	Outlay (Rs. in Lakhs)
1	Network Protocols and their Simulation on NS-2/NS-3 (CONS/2934/2015-16)	CI	19-23 Aug 2015	35	2.05
2	Fundamentals of Soft Computing and its Applications (CONS/2956/2015-16)	Co-CI	09-13 Sept 2015	51	1.85
3	Nature Inspired Algorithms & its Applications (CONS/3106/2015-16)	Co-CI	08-12 Feb 2016	54	2.85
4	Network Protocols and their Simulation on NS-2 (CONS/3129/2015-16)	CI	03-05 Mar 2016	30	1.80

X. Product Developed and Commercialized

I have been in the leading role of developing two major in-house software products, Student Feedback System (SFS: 2012) and Management Information System (MIS: 2015 to 2022), which have not only saved significant costs but has also positioned the institute at the forefront of technological advancement. Recognizing the potential drawbacks of outsourcing, both in terms of cost and alignment with our unique institutional needs, the decision to embark on an in-house software development project was a strategic one. I had taken the challenge to address the issue in my pursuit of enhancing operational efficiency and addressing the specific needs of our institute.

Till today, the institute is using a robust in-house MIS framework that serves multiple purposes, contributing to enhanced productivity and streamlined processes across various departments/sections. The success of this initiative is a testament to the dedication and collaborative efforts of the team I have had the privilege to lead.

1. Design & Development of Student Feedback System for ISM Dhanbad (2012):

In 2012, I took the initiative to design and develop a comprehensive server-based application software for course feedback collection and analysis. This innovative system aimed to streamline the feedback process for courses taught in every semester. The successful implementation of this software marked a significant milestone for the institute, as it represented one of the first in-house developed systems tailored to meet the complete feedback requirements. The application not only demonstrated my technical prowess but also showcased my commitment to improving institutional processes through technology.

I am particularly proud of the fact that this initiative earned me recognition from the institute's leadership. In 2012, the then Director of the institute honored my efforts with a **Certificate of Appreciation**. This acknowledgment not only affirmed the value of the project but also underscored my dedication to contributing innovative solutions that align with the institute's objectives.

2. Management Information System (MIS) of IIT (ISM) Dhanbad (2015 to 2022):

In my role as the Head of the team entrusted with the responsibility of office automation, I have spearheaded a transformative initiative that has significantly impacted the efficiency and functionality of our institute. It required a comprehensive understanding of our organizational processes, a keen awareness of changing policies, and a commitment to delivering a tailored solution that would meet the diverse needs of our institute.

We approached this task with enthusiasm and determination. From the initial conceptualization to the final implementation, we meticulously designed the Management Information System (MIS) that the entire institute relies on today. This system was developed from scratch, allowing us to tailor its functionalities to our specific requirements.

One of the key strengths of our in-house MIS is its adaptability. As policies within the institute evolved, the software was updated and modified accordingly to ensure continuous alignment with the institute's changing needs. This flexibility has been instrumental in maintaining the relevance and effectiveness of the system over time.

XI. Conference/Seminar/Workshop Organized

1. Organized (as a **Coordinator**) an Online Workshop on “**Building Sensor Nodes (BSN-2023)**” on **21 October 2023**.
2. Organized (as a **Co-Coordinator**) an Online Workshop (Series – I) on “**Conceptual Blockchain: An Application Portfolio (CBC-2023)**” on **21 September 2023**.
3. Organized (as a **General Chair**) a four-day 4th ISEA Virtual International Conference on “**Security and Privacy (ISAP-2021)**” under ISEA Project Phase - II, Ministry of

Electronics & Information Technology, Government of India” during **27-30 October 2021**.

4. Organized (as a **General Chair & Program Chair**) a three-day 3rd IEEE International Conference on “**Recent Advances in Information Technology (RAIT-2016)**” at Indian School of Mines, India during **03-05 March 2016**.
5. Organized (as a **General Chair**) a two-day 2nd International Conference on “**Recent Advances in Information Technology (RAIT-2014)**” at Indian School of Mines, India during **13-14 March 2014**.
6. Organized (as a **Program Chair**) a three-day 1st IEEE International Conference on “**Recent Advances in Information Technology (RAIT-2012)**” at Indian School of Mines, India during **15-17 March 2012**.
7. Organized (as a **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**.
8. Organized (as an **Organizing Secretary**) 1st Workshop on “**Parallel & Distributed Computing (WPDC-08)**” at Indian School of Mines University on **28 March 2008**.
9. Organized (as a **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**.

XII. Administrative Experience

1. Working as a **Chairman of DFSC of Computer Science & Engineering Department** for Professor, Associate Professor and Assistant Professor since 01 February 2024.
2. Working as a **Head of the Computer Science & Engineering Department** of IIT (ISM), Dhanbad since 16 January 2024.
3. Working as a **Member** of a Committee to propose credit distribution for all programs of IIT (ISM), Dhanbad as per NEP 2020 since 22 November 2023.
4. Working as a **Technical Mentor of ACIC IIT(ISM) Foundation** since 01 November 2023.
5. Worked as a **Member of DFSC of Computer Science & Engineering Department** for Assistant Professor from 01 December 2021 to 31 January 2024.
6. Worked as a **Member of DFSC of Computer Science & Engineering Department** for Professor & Associate Professor from 12 July 2018 to 31 January 2024.
7. Worked as a **Dean (Academic)** of IIT (ISM) Dhanbad from 26 June 2020 to 20 October 2023.
8. Worked as a **Dean (Information Systems)** of IIT (ISM) Dhanbad from 04 January 2019 to 27 May 2021.
9. Worked as a **Head of Computer Centre**, IIT (ISM) Dhanbad from 01 June 2018 to 27 May 2021.
10. Worked as a **Head of Automation Centre**, IIT (ISM) Dhanbad from 01 June 2018 to 27 May 2021.
11. Worked as a **Convener of DUGC of Computer Science & Engineering Department** from 28 September 2018 to 04 September 2019.
12. Worked as a **Member of Monitoring Committee** for checking of drawing and monitoring related construction executed by CPWD at IIT (ISM) Campus from 11 June 2018 to 03 January 2019.
13. Worked as a **Member of Electrical Committee** for checking and recommendation of drawings, and estimation of work executed by CPWD at IIT (ISM) Campus from 11 June 2018 to 03 January 2019.

14. Worked as **Associate Dean (Infrastructure) - Information Systems** of IIT (ISM) Dhanbad from 21 May 2018 to 03 January 2019.
15. Worked as **Chairman**, Office Automation Committee of IIT (ISM), Dhanbad from 30 August 2013 to 20 May 2018.
16. Worked as **Vice-Chairman**, Formulation of IT Policy of IIT (ISM), Dhanbad from 01 May 2015 to 21 May 2018.
17. Worked as **Committee Member**, Centre for Innovation, Incubation and Entrepreneurship (CIIE) of IIT (ISM) Dhanbad from 07 April 2017 to 21 May 2018.
18. Worked as a **Co-Coordinator**, 3 Year M.Tech (CSE) at IIT (ISM) IIF Kolkata & New Delhi from 28 June 2017 to 2 May 2018.
19. Worked as a **Professor-In-Charge (Training & Placement)** of IIT (ISM), Dhanbad from 04 May 2017 to 23 April 2018.
20. Worked as a **Course Coordinator** of 3 Years M.Tech (Computer Science & Engineering) at IIT (ISM) from 20 March 2015 to 27 June 2017.
21. Worked as a **Member of Improvement Group** of IIT (ISM), Dhanbad from 07 Oct 2011 to 02 May 2016.
22. Worked as a **Training & Placement Officer** of IIT (ISM), Dhanbad from 19 Sept. 2006 to 03 May 2017.
23. Worked as a **Chairman** of Website Committee of IIT (ISM), Dhanbad from 16 Nov 2013 to 03 May 2017.
24. Worked as a **Head of the Computer Science & Engineering Department** of IIT (ISM), Dhanbad from 16 Nov 2013 to 03 May 2017.
25. Worked as a **Professor of Continuing Education (PCE)** of IIT (ISM), Dhanbad from 01 Jan 2015 to 14th Feb 2016.
26. Worked as a **Departmental Coordinator, TEQIP-II** from 01 May 2011 to 10 Dec 2013.
27. Worked as a **Course Coordinator of M.Tech (Computer Application) Programme** from 01 Oct 2008 to 15 Feb 2012.
28. Worked as a member of **Computer Committee** of ISM, Dhanbad for two years.
29. Worked as a member of **Central Research Council** of ISM, Dhanbad for two years.
30. Managed day-to-day academic & administrative activities of *Computer Science & Engineering Department* at *IERT, Allahabad* as *Head of the Department*, 2002-2005.
31. An **Observer** and **Practical Examiner** for the examination of *Uttar Pradesh Technical University, Lucknow* from 2002 to 2005.
32. **Center Coordinator** for the *State Entrance Examination (UP-SEE 2005)* of *Uttar Pradesh Technical University, Lucknow*.
33. An **Observer** for the *State Entrance Examination (UP-SEE 2004)* of *Uttar Pradesh Technical University, Lucknow*.

XIII. Reviewer/Editorial Board Member

Reviewer: Journals/Proceedings

1. **Reviewer** in an **Engineering Applications of Artificial Intelligence**.
2. **Reviewer** in an **IEEE Transactions on Engineering Management**.
3. **Reviewer** in an **International Journal of Computer Communication**.
4. **Reviewer** in an **International Journal of Disaster Risk Reduction**.
5. **Reviewer** in a **Connection Science Journal** (Taylor & Francis).
6. **Reviewer** in an **IEEE Transactions on Network Science and Engineering**.
7. **Reviewer** in an **International Journal of Cybernetics and Systems** (Taylor & Francis).

Reviewer: Book/Chapter/Article

1. **Reviewer** for a book on **Data Structure using C**, TMH Publication, June 2013.
2. **Reviewer** for a book on **Data Communications and Networks** by A. Godbole, TMH Publication, January 2011.
3. **Reviewer** for a book on **Internet and Web Technologies** by Raj Kamal, TMH Publication, June 2010.
4. **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
5. **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.
6. **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

XIV. Participation / Training

1. Attended *IEEE Symposium on CHATGPT: Opportunities and Challenges for Education*, organized by IEEE COMSOC Kolkata Chapter and IEEE Kolkata Section in association with IEEE BPPIMT Student Branch, on 3 July 2023.
2. Attended *2014 2nd International Conference International Conference on Systems and Informatics (ICSAI-2014)* held at Shanghai Wistaria Hotel, Shanghai, China during 15-17 Nov, 2014.
3. Attended *Short Term Course on Recent Advances in Network Algorithms* held at IIT Guwahati, 09-13 Sept 2013.
4. Attended and Chaired a Technical Session in *IEEE International Symposium on Communication & Information Technology (ISCIT-2012)* held at Gold Coast, Australia, 02-05 October 2012.
5. Co-chaired Technical Session in *National Seminar on Frontiers in Electronics, Communication, & Instrumentation Technology (FECIT-2011)* held at Indian School of Mines, Dhanbad, 3-4 November 2011.
6. Chaired Technical Session in *IEEE International Conference ICCCT-2011* held at MNNIT, Allahabad, 15-17 September 2011.
7. Attended *International Conference ACC-2011* held at RSET, Kochi, 22-24 July 2011.
8. Chaired Technical Session in *IEEE International Conference ICCCT-2010* held at MNNIT, Allahabad, 17-19 September 2010.
9. 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.
10. Attended *IEEE International Conference TENCON-2008* held at University of Hyderabad, Hyderabad, 18-21 November 2008.
11. Attended *National Level Workshop (Faculty Development Program) on Soft Computing Techniques* held at MAIT, New Delhi, 11-21 December 2007.
12. Attended *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).

13. Attended **International Conference on Information & Communication Technology (IICT-2007)** held at Dehradun Institute of Technology (DIT), Dehradun, Uttranchal, India, 26-28 July 2007.
14. Attended **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.
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. Attended **7th IEEE International Conference on Personal Wireless Communications (ICPWC-2005)** held at New Delhi, 23-25 January 2005.
17. Provided **Computer Awareness Training (CAT) to Veterinary Doctors, Allahabad** at Institute of Engineering & Rural Technology (IERT), Allahabad in 2004
18. Provided **Computer Awareness Training (CAT) to Sub-Inspector, PHQ, Allahabad** at Motilal Nehru National Institute of Technology (MNNIT), Allahabad in 2001

XV. Other Activities

A. External Examiner/BoCS Member

1. **External Member of Board of Studies (BoS) Meeting** for the Department of Computer Science at Central University of South Bihar, Gaya, to frame course structure for 5-year Integrated B.Sc. – M.Sc. Programme, 07-08 February 2025.
2. **External Member of 14th Meeting of the Academic Council** at VIT Bhopal, 31 December 2024.
3. **External Member of 2nd Board of Studies (BoS)** for B.Tech (CSE) at Jeppiaar Institute of Technology, Chennai, 11 December 2024.
4. **Co-Chairman** of Working Group (WG) on “Sandbox Testing” under the project “e-Governance Standards and Guidelines (eGSG)”, supported by MeitY, GoI.
5. **Member** of Project Management Committee (PMC) for the project “Pilots of Digital Twin for Chemical Plant and Urban Smart Solutions” under National Supercomputing Mission (NSM) being implemented by C-DAC Patna, IIT BHU and CSIR-NCL Pune, supported by MeitY, GoI.
6. **External Examiner** for Ph.D. Oral Examination on title “SDN-based Personalized and Secure Information Delivery Framework in IoT Networks” at PEC Chandigarh, 26 October 2024.
7. **External Expert of Board of Studies (BoS)** for IT & CSIT at KIET Group of Institutions, since 16 October 2024.
8. **External Member of 1st Board of Studies (BoS)** for B.Tech (CSE) at Jeppiaar Institute of Technology, Chennai, 13 June 2024.
9. **External Member of Board of Studies (BoS)** for B.Tech (CSE) at Jeppiaar Institute of Technology, Chennai, 04 June 2024.
10. **External Member of 13th Meeting of the Academic Council** at VIT Bhopal, 23 May 2024.
11. **External Examiner** for Ph.D. Oral Examination on title “Machine Learning for Optimizing Internet of Things Applications” at IIIT Lucknow, 18 April 2024.
12. **External Examiner** for Ph.D. Oral Examination on title “Regression Test Suite Prioritization” at IIT Kharagpur, 20 March 2024.
13. **External Member of Board of Studies (BoS)** for MCA (AI & IoT) & MCA (DS & Informatics) at NIT Patna, Bihar, 14 March 2024.

14. **External Examiner** for Ph.D. Oral Examination on title “Bio-Inspired Energy-Efficient Routing in Wireless Sensor Networks” at NIT Patna, Bihar, 14 March 2024.
15. **External Member of Board of Studies (BoS)** for B.Tech (CSE) at Jeppiaar Institute of Technology, Chennai, 31 January 2024.
16. **External Member of Board of Studies (BoS)** for the Department of Computer Science at Central University of South Bihar, Gaya, 25 January 2024.
17. **External Member of 12th Meeting of the Academic Council** at VIT Bhopal, 11 January 2024.
18. **External Examiner** for Ph.D. Oral Examination on title “Efficient Message Dissemination in Hybrid Vehicular Ad hoc NETWORKS (VANETs)” at NIT Rourkela, 28 December 2023.
19. **External Expert** for the Procurement of Desktop computer and Workstation for Computer Centre of IIST, Shibpur.
20. **External Member of Board of Studies (BoS)** for B.Tech & Dual Degree (CSE) at NIT Patna, Bihar, 06 September 2023.
21. **External Examiner** for Ph.D. Oral Examination on title “Pervasive Education: From Physical to Virtual Smart Classroom” at IIT, Kharagpur, 16 July 2023.
22. **External Examiner** for Ph.D. Oral Examination on title “Enhancement and Development of In-Network Caching Techniques for Better QoE in ICN” at NIIT University, Rajasthan, 15 July 2023.
23. **External Member of 10th Meeting of the Academic Council** at VIT Bhopal, 29 November 2022.
24. **External Examiner** for Ph.D. Oral Examination on title “Design and Development of Dynamic Data Replication Strategies for a Distributed Cloud Based System” at BITS Pilani Dubai Campus, 27 September 2022.
25. **External Member in Academic Council Meeting** at IILM Greater Noida, 23 August 2022.
26. **External Examiner** for Ph.D. Oral Examination on title “**Identifying Critical Success Factors & Developing a Model for Effective Adoption of Mobile Learning Systems in Indian Higher Educational Institutions**” at MNNIT, Allahabad, 27 July 2022.
27. **External Member of Board of Studies (BoS)** for B.Tech (Mathematics and Computing) at IIIT, Bhagalpur, Bihar, 06 May 2022.
28. **External Examiner** for Ph.D. Oral Examination on title “**Some Scheduling and Energy-Aware Techniques for Workflows And Virtual Machine Consolidation In Clouds**” at IIT(BHU), Varanasi, 04 April 2022.
29. **External Member of Board of Studies (BoS)** for B.Tech (CSE), M.Tech (CS) & M.Tech (DS&E) at NIT Patna, Bihar, 23 February 2022.
30. **External Examiner** for Ph.D. Oral Examination on title “**Energy Efficient Algorithms for Wireless Sensor Networks using Fuzzy Logic and Evolutionary Computation**” at NIT, Goa, 13 November 2021.
31. **External Examiner** for Ph.D. Oral Examination on title “**Optimized Traffic Engineering Techniques for Efficient QoS Implementation in Software Defined Wireless Networks**” at IIIT, Naya Raipur, 12 November 2021.
32. **External Member of 8th Meeting of the Academic Council** at VIT Bhopal, 11 September 2021.
33. **External Member of Board of Studies (BoS)** for M.Tech (CN) & M.Tech (IS) at NIT Patna, Bihar, 04 September 2021.
34. **Board Nominee (Expert)**, Selection Committee meeting for the Dept. of Computer Science and Engineering, NIT Goa, 03 August 2021.
35. **External Examiner** for Ph.D. Oral Examination on title “**Multipath-aware Utilization of SMD’s Interfaces for QoE Enhancement**” at MNNIT, Allahabad, 24 July 2021.

36. *External Examiner* for Ph.D. Oral Examination on title “**Energy Efficient Protocols in Wireless Sensor Networks**” at JNTU, Hyderabad, 29 June 2021.
37. *External Member of Board of Studies (BoS)* for M.Tech (Artificial Intelligence & Data Science) at IIIT, Bhagalpur, Bihar, 08 June 2021.
38. *External Examiner* for Ph.D. Oral Examination on title “**An investigation into Effective Fault Localization**” at IIT Kharagpur, 31 May 2021.
39. *External Examiner* for Ph.D. Oral Examination on title “**Performance Analysis of QoS with Modified Scheduling of WiMAX Network and its Applications in Remote Areas**” at MNNIT, Allahabad, 16 August 2020.
40. *Expert Member*, Selection Committee meeting for the Dept. of Computer Science and Engineering, IIIT Bhagalpur, 25 June 2020.
41. *External Examiner* for Ph.D. Oral Examination on title “**Artificial Immune System Based Problematic Node Identification in Mobile Ad-hoc Networks**” at GLA, Mathura, 02 June 2020.
42. *External Examiner* for Ph.D. Oral Examination on title “**Organized Approaches to improve the performance of Vehicular Networks**” at NIT, Surathkal, 15 November 2019.
43. *External Member of Board of Studies (BoS)* for PGDM-IT Programme at XISS Ranchi, Jharkhand, 26 April 2019.
44. *External Member of Board of Studies (BoS)* for B.Tech (CSE) & M.Tech (CSE) at NIT Patna, Bihar, 16 February 2019.
45. *External Examiner* for Ph.D. Oral Examination on title “**Formalization and Detection of Software Design Patterns**” at NIT, Rourkela, 12 January 2019.
46. *External Member of Board of Examiners (BoE)* for M.Sc.(Computer Science) & M.Tech (Computer Science) at Central University of South Bihar, Gaya, 28 December 2018.
47. *Member of Mock Assessment for NBA Accreditation* at BIT Sindri on 19th December 2018.
48. *Member of Board of Studies Meeting* of BIT Sindri for M.Tech. in Computer Science on 07th December 2018.
49. *External Examiner* for Ph.D. Oral Examination on title “**Trust Evaluation of User in Social Media based on User Profile, Mutual Friends and Sentiment & Emoticons**” at NIT, Patna, 09 November 2018.
50. *Member of Board of Courses of Studies Meeting* of Binod Bihari Mahto Koyalanchal University, Dhanbad for M.Sc. in Computer Science on 06th October 2018.
51. *Member of Board of Courses & Study* in Computer Applications of Vinoba Bhave University, Hazaribag, Jharkhand, 27 April 2018.
52. *Member of Board of Studies Meeting* at BIT Mesra on 24th April 2018.
53. *External Examiner* for Ph.D. Oral Examination on title “**Design and Development of Methodology for Dimensionality Reduction of Ultra High Dimensional Data Using Particle Swarm Optimization**” at CUSB, Patna, 30 January 2018.
54. *External Examiner* for Ph.D. Oral Examination on title “**Safety Analysis of Computer Based Systems using Stochastic Modeling**” at IIT (BHU) Varanasi, 13 November 2017.
55. *External Examiner* for Ph.D. Oral Examination on title “**Performance Evaluation of Localization and Topology Control in Wireless Sensor Networks using Rigid Graphs**” at IIIT Allahabad, 23 July 2017.
56. *External Examiner* for Ph.D. Oral Examination on title “**An Energy Efficient Low Latency MAC Protocol for Clustered Wireless Sensor Networks**” at MNNIT Allahabad, 22 July 2017.

57. **External Examiner** for Ph.D. Oral Examination on title “**Design and Implementation of Publish/Subscribe based P2P Cloud of Underutilized Resources for Providing Computation-As-A-Service**” at MNNIT Allahabad, 22 July 2017.
58. **Member of 16th BoG Meeting** of B. A. College of Engineering & Technology (BACET), Jamshedpur, Jharkhand on 25th June 2017.
59. **Member of Board of Studies** in Department of Computer Science & Engineering of BIT Mesra, Jharkhand, 02 June 2017.
60. **Member of Board of Studies** of Amity University, Ranchi, 01 April 2017.
61. **Member of Board of Governors** of B. A. College of Engineering & Technology (BACET), Jamshedpur, Jharkhand, 17 March 2017.
62. **External Examiner** for Ph.D. Oral Examination on title “**Design of Adaptive Fault-Tolerant Routing Algorithms for Hypercubes**” at IIT (BHU) Varanasi, 03 October 2016.
63. **External Examiner** for M.Tech Dissertation on title “**Progressive Visual Analytics in Big Data using Mapreduce FPM**” of Central University of South Bihar - Patna, 04 July 2016.
64. **External Examiner** for M.Tech Dissertation on title “**Extended Entropy Based Approach for Big Data Anonymization using Map Reduce**” of Central University of South Bihar - Patna, 04 July 2016.
65. **External Examiner** for M.Tech Dissertation on title “**Improved Apriori Algorithm using Power Set on Hadoop**” of Central University of South Bihar - Patna, 04 July 2016.
66. **External Examiner** for M.Tech. **Viva-voce Examination** at NIT Rourkela, 22 May 2016.
67. **External Examiner** for Ph.D. Oral Examination on title “**Performance Analysis of Modified Partial Transmit Sequence Techniques for PAPR Reduction in OFDM System**” at MNNIT Allahabad, 26 November 2015.
68. **External Examiner** for Ph.D. Oral Examination on title “**QoS Constrained Routing for Mobile Adhoc Networks**” at MNNIT Allahabad, 06 April 2015.
69. **External Examiner** for II Semester MCA “**Database Systems (Paper - XV)**” practical at *St Xavier’s College, Ranchi*, 15 June 2013.
70. **Member of Board of Examiner** for the 4th Semester M.Sc. Computer Science at central University of Bihar (CUB), Patna. 14 June 2013.
71. **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 Sept. 2010 to 31 Aug 2012 (Two Years).
72. **External Examiner** for II Semester MCA “**Programming using C++**” practical at *St Xavier’s College, Ranchi*, 20 June 2012.
73. **Member of Project Review and Supervisory Group** of the project at **IIT(BHU), Varanasi** on “**E-Content for Digital Image Processing**” sanctioned under NMEICT, May 2012.
74. **Member of Project Review and Supervisory Group** of the project at **IIT(BHU), Varanasi** on “**Next Generation e-Content for High performance Computing**” sanctioned under NMEICT, May 2012.
75. **External Examiner** for II Semester MCA “**Data Structure Using C**” practical at *Vinoba Bhawe University, Hazaribagh*, 30 July 2011.
76. **External Member of Board of Studies** for B.Tech. (Hons.) Computer Science & Engineering, *NIT Jamshedpur*, 21 January 2011.
77. **External Member of Departmental Research Committee** for Ph.D. Program in Computer Science & Engineering (CSE), *NIT Patna*, 26 November 2010 onwards.
78. **External Examiner** for VI Semester M.Tech [PT] Project Viva-voce Examination at *BIT, Mesra, Ranchi*, 18-19 May 2009.
79. **External Examiner** for VI Semester MCA Project Examination at *Ranchi University*, 12 July 2008.

80. **Screening Committee Member of DOEACC** to visit ISIT, Deoghar for Accreditation of 'A' Level Courses, 28 February 2008.

B. Selection Committee/Expert

1. **Expert Member**, Promotion Committee meeting for the appointment of Assistant Professor at BML Munjal University, Haryana, 14 February 2025.
2. **Expert Member**, Promotion Committee meeting for the appointment of Professor and Associate Professor at BML Munjal University, Haryana, 10 February 2025.
3. **Expert Member**, Selection Committee meeting for the appointment of Assistant Professor at Nirma University, Ahmedabad, 04 February 2025.
4. **Expert Member**, Selection Committee meeting for the appointment of Assistant Professor (Contract) at NIAMT, Ranchi, 29 January 2025.
5. **Expert Member**, Selection Committee meeting for the appointment of Professor at BML Munjal University, Haryana, 18 December 2024.
6. **Member**, Screening Committee meeting for the post of Registrar of NIT Durgapur, 20 October 2024.
7. **Expert Member**, Selection Committee meeting for the appointment of Assistant Professor, Associate Professor & Professor at MGIT, Hyderabad, 05 October 2024.
8. **Subject Expert**, for assisting the Union Public Service Commission (UPSC) in various Interviews/Personality Test Boards.
9. **Expert Member**, Interview Board for the post of Examiner of Patents and Designs, organized by National Testing Agency (NTA), New Delhi, 12-14 April 2024.
10. **Distinguished Expert**, for evaluation for AICTE cases pertaining to Institutes coming for taking AICTE Approval, 26-27 March 2024.
11. **Expert Member**, Selection Committee meeting for the appointment of Associate Professor at IPE, Vishakhapatnam, 07 March 2024.
12. **Expert Member**, Selection of agency for the establishment of Computer Based Test (CBT) Exam Centers PAN India for National Testing Agency (NTA) [to assess the Presentation in respect of Technical Bid], at NTA, New Delhi, 04 March 2024.
13. **Expert Member**, Selection Committee meeting for the appointment of Associate & Assistant Professor at Department of Computer Science & Engineering, IIT Patna, 13-14 January 2024.
14. **Chairperson** of Scrutiny Committee constituted for scrutinizing application forms received for the selection to the post of Chief System Manager (APL-13A2), IIT (ISM) Dhanbad, 06 November 2023.
15. **Chairman**, Selection Committee meeting for the appointment of Non-Teaching post of Junior Assistant, IIIT Bhagalpur, 18 March 2023.
16. **Expert Member**, Selection Committee /Interview Panel meeting for the appointment of Junior technical Officer (IT Software), IPE Visakhapatnam, 11-12 March 2023.
17. **Expert Member**, Selection Committee meeting for the appointment of Associate & Assistant Professor at Department of Computer Science & Engineering, IIT Patna, 17 January 2023.
18. **Chairman**, Selection Committee meeting for the appointment of Non-Teaching Officers and Group B/C posts, IIIT Bhagalpur, 23-25 December 2022.
19. **Chairman of Visiting Expert Committee (Constituted by UGC, New Delhi)** to assess the Fresh Application for offering of Programmes under ODL Mode and Online Mode from Swami Vivekananda Yoga Anusandhana Samsthana, Karnataka. Virtual visit was conducted on 12th & 14th September 2022.

20. **Expert Member in the Selection Committee** for the Selection of Associate Professor in the Department of Computer Science & Engineering of *NIT Jamshedpur*, 31 July 2022.
21. **Expert Member in the Selection Committee** for the Selection of Assistant Professor in the Department of Computer Science & Engineering of *SRM University – AP, Andhra Pradesh*, 17 June 2022.
22. **Expert Member in the Selection Committee** for the Selection of Associate Professor in the Department of Computer Science & Engineering of *NIT Goa*, 03 August 2021.
23. **Expert Member in the Selection Committee** for the Selection of Assistant Professor in the Department of Computer Science & Engineering of *IIIT, Bhagalpur*, 25 June 2020.
24. **Expert Member in the Selection Committee** for the Selection of Assistant Professor in the Department of Computer Science & Engineering of *GGSESTC, Bokaro*, 09 March 2019.
25. **External Expert in the Selection Committee** for the Selection of Faculty Member in the Department of Computer Science & Engineering of *IIIT, Bhagalpur*, 24 December 2018.
26. **External Expert of Committee to Conduct Trade Test** for engagement of Computer Operating & Programming Assistant at *CIMFR, Dhanbad*, 04th December 2018 (Result), 11th November 2018 (Test) & 17 September 2018 (Planning).
27. **External Expert in the Selection Committee** for the Selection of Assistant Professor in the Department of Computer Science & Engineering of *IIIT, Ranchi*, 28 September 2018.
28. **External Expert of Committee constituted to Conduct Trade Test** for engagement of Computer Operating & Programming Assistant at *CIMFR, Dhanbad*, 17th September 2018.
29. **External Expert in the Selection Committee** for the Selection of Faculty Member in the Department of Computer Science & Engineering of *IIIT, Bhagalpur*, 30 June 2018.
30. **Expert Member in the Selection Committee** for Program Officer at *Dhanbad Municipal Corporation*, 23rd August 2017.
31. **Expert Member** in the **Workshop cum Curriculum Revision Board** of 1st year Engineering of Vinoba Bhave University, Hazaribag at *BIT Sindri, Dhanbad*, 6th August 2017.
32. **External Expert of Selection Committee** for engagement of Technical Officer (Group III) at *CIMFR, Dhanbad*, 26th April 2017.
33. **External Expert in the Selection Committee** for the Selection of Assistant Professor in the Department of Computer Science & Engineering of *DIT, University*, 11 May 2016.
34. **Member of Selection Committee** for engagement of Project Assistant Level – I & II at *CIMFR, Dhanbad*, 28th March 2014.
35. **Member of Selection Committee** for engagement of Project Assistant Level – II at *CIMFR, Dhanbad*, 18th March 2013.
36. **Member of Assessment Committee** for assessing the cases of staff at *CIMFR, Digwadih*, 04th September 2008.
37. **Expert** at R.S.P. College, Jharia for Selection of **Technicians** for Instrument Maintenance, 15 February 2008.

C. Visiting Faculty/Invited Talk/Special Lectures

1. Delivered a **Talk** on “Course Structure as per NEP Requirements” during one-day seminar on the Implementation of NEP 2020 in HEIs at *IEST, Shibpur* on 13 December 2024.
2. **Resource Person** for Two Week Refresher Course on “Recent Advancements in Mathematics, Statistics, and Computer Science” under the UGC-Malaviya Mission Teacher Training Programme on 19th October 2024 at CUB, Gaya.

3. **Panel Speaker [Discussion on Impact of Artificial Intelligence on utilization of Human Resource in Industry]** at the 3rd *IEEE International Conference on Control, Computing, Communication, and Materials (ICCCCM-2024)* organized by Department of Computer Engineering & Applications at UCER, Uttar Pradesh, India during 10-11 August 2024.
4. Delivered a **Keynote Lecture** in 3rd *IEEE International Conference on Control, Computing, Communication, and Materials (ICCCCM-2024)* organized by Department of Computer Engineering & Applications at UCER, Uttar Pradesh, India during 10-11 August 2024.
5. Delivered a **Keynote Lecture** in 6th *IEEE International Conference on Information Systems and Computer Networks (ISCON-2023)* organized by Department of Computer Engineering & Applications at GLA University Mathura, Uttar Pradesh, India during 3-4 March 2023.
6. Delivered a Talk on “**Planning and Scheduling Large Scale Software Projects – Current Trends and Research Directions**” at BITS Pilani Dubai Campus, Dubai on 29th September 2022.
7. Delivered an Expert Talk (Online) on “**Advancement and Application of Software Engineering**” at GLA University Mathura, India on 21st May 2022.
8. **Guest of Honour** in the opening ceremony of **Online Workshop on "Scientific Research Writing using Latex and Descriptive Data Analysis through R/Python"** at Rajiv Gandhi South Campus (RGSC), Banaras Hindu University (BHU), Mirzapur scheduled from 31 Jan 2022 to 4 Feb 2022.
9. **Panel Speaker** at the **Turnitin Virtual Conclave on Leveraging Technology for Enhancing Education** on 24th June 2021.
10. Delivered a talk on “**Digital Transformation: A New Industrial Revolution**” during 51st Engineers’ Day Celebration by the Institution of Engineers (Dhanbad Local Chapter) at CIMFR, Dhanbad on 17 September 2018.
11. Delivered a **Research Talk** on “**Research in Computer Science - Challenges and Issues**” at Christ University, Bangalore on 6th June 2017.
12. **Chief Guest** at BIT, Sindri, on the celebration of **World telecommunication and Information Society Day – 2017** (Organized by the Institution of Engineers (India) Dhanbad Local Centre), 17th May 2017.
13. Delivered **Special Lectures** in Short Term Course on “**Network Protocols and their Simulation on NS-2**” held at ISM, Dhanbad during 03-05 March 2016.
14. Delivered **Special Lectures** in Short Term Course on “**Network Protocols and their Simulation on NS-2/NS-3**” held at ISM, Dhanbad during 19-23 August 2015.
15. Delivered **Special Lectures** in Short Term Course on “**Advanced Data Structures with their Applications**” held at ISM, Dhanbad during 01-05 October 2015.
16. Delivered **Special Lectures** in Short Term Course on “**Data Structures & Algorithms**” held at ISM, Dhanbad during 16-20 June 2014.
17. Delivered **Special Lectures** in Short Term Course on “**Advanced Data Structures & Algorithms**” held at ISM, Dhanbad during 10-14 January 2014.
18. **Chief Guest** at CIMFR, Dhanbad, on the celebration of **World telecommunication and Information Society Day – 2013** (Organized by the Institution of Engineers (India) Dhanbad Local Centre), 17th May 2013.
19. **Visiting Faculty** for teaching Database Management Systems Course to B.Tech (CSE & IT) students at BIT Sindri, 2008-2009.
20. 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.

21. Delivered a session on “**Introduction to Network Simulator (NS 2)**” during One Day Workshop on **Wireless Networks (Research Issues)** held at MNNIT, Allahabad, 5 February, 2005.
22. Delivered a session on “**Introduction to Network Simulator (NS 2)**” during Winter School on **Wireless and Mobile Communication** held at MNNIT, Allahabad, 10-14 January, 2005..
23. Delivered a Talk on “**Performance of Mobile IP**” during National Seminar on **Communication Convergence** held at Allahabad University, 16-18 May 2002.
24. Delivered a Talk on “**Route Optimization in Wireless Network**” during National Workshop on **Mobile Communication and Computing** held at School of Management Sciences, Varanasi, 3 February, 2002

XVI. Awards/Achievements

1. Received a **CERTIFICATE OF APPRECIATION** for “*Design & Development of Student Feedback System for ISM Dhanbad,*” December 2012.
2. Receive the **GOLD MEDAL** in M.E (Computer Science & Engineering).
3. Receive the **BEST PAPER AWARD**, World Congress on Engineering and Computer Science (WCECS-2007) held at University of California, San Francisco (USA), 24-26 October 2007. (Organized by IAENG).
4. Becomes **Certified Novell Administrator (CNA) & Certified Novell Engineer (CNE)**, NetWare 4.1 in 1998.

XVII. Advisory Board, TPC & Organizing Committee Member

A. Advisory Board Member

1. *Advisory Board Member* of the “**IEEE International Conference on Computer, Electronics and Electrical Engineering and Their Applications (IC2E3-2023)**”, to be held at NIT Uttarakhand Srinagar Garhwal Uttarakhand India during 08-09 June 2023.
2. *Advisory Board Member* of the “**5th IEEE International Conference on Recent Advances in Information Technology (RAIT-2023)**”, at IIT(ISM) Dhanbad, India during 03-05 March 2023.
3. *Advisory Board Member* of the “**3rd International Conference On Machine Intelligence & Data Science Applications (MIDAS - 2022)**”, at Université de Versailles Saint-Quentin-en-Yvelines, France during 07-08 December 2022.
4. *Advisory Board Member* of the “**1st International Conference on Computational Intelligence and Network Security (ICCINS-2022)**”, at NIT Raipur, India during 03-04 March 2022.
5. *Advisory Board Member* of the “**5th IEEE International Conference on Information Systems and Computer Networks (ISCON-2021)**”, at GLA University, Mathura, India during 22-23 October 2021.
6. *Advisory Committee Member* of the “**TEQIP-III Sponsored National Workshop On ANDROID APP TESTING (AAT - 2018)** at NIT Rourkela, India during 01-05 December 2018.
7. *Advisory Board Member* of the “**4th IEEE International Conference on Recent Advances in Information Technology (RAIT-2018)**”, at IIT(ISM) Dhanbad, India during 15-17 March 2018.
8. *Advisory Committee & Technical Program Committee Member* of the “**International Conference on Advances in Computing Applications (ICACA-2018)**”, at NIT Uttarakhand, India during 26-27 February 2018.

9. ***Advisory Committee Member*** of the “**2nd International Conference on Data Management, Analytics & Innovation (ICDMAI-2018)**”, at Pune, India during 19-21 January 2018.
10. ***Advisory Board Member*** of “**IEEE 3rd International Conference on Computer and Communication Technology (ICCCT-2012)**”, 23-25 November 2012, MNNIT Allahabad.
11. ***Advisory Committee Member*** of “**7th National Conference on Advancement of Technologies-Information Systems & Computer Networks (ISCON-2012)**”, 03-04 March 2012, GLA University, Mathura.
12. ***Member of Technical Advisory Committee*** of the “**International Conference on Computers and Communication (ICCC-2010)**”, at SIST, Bhopal (India) during 10-11 December 2010.
13. ***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
14. ***Member of International Advisory Board*** of the “**International Congress on Pervasive Computing and Management (icpcm’08)**”, at New Delhi during 12-14 December 2008.
15. ***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.

B. Technical Program Committee Member

1. ***Technical Program Committee Member*** of the “**5th International Conference on Soft Computing and its Engineering Applications (icSoftComp2023)**”, at Charotar University of Science and Technology (CHARUSAT), Gujarat, India during 07-09 December 2023.
2. ***Technical Program Committee Member*** of the “**6th International Conference on VLSI, Communication and Signal Processing (VCAS-2023)**”, to be held at MNNIT Prayagraj, India during 12-14 October 2023.
3. ***Technical Program Committee Member*** of the “**2nd Recent Advances in Program Analysis and Software Testing (RAPAST-2023)**”, at IIIT Prayagraj, India during 23 February 2023.
4. ***Technical Program Committee Member*** of the “**12th International Advanced Computing Conference (IACC-2022)**”, at CMR College of Engineering & Technology, Hyderabad, Telangana, India during 16-17 December 2022.
5. ***Technical Program Committee Member*** of the “**4th International Conference on Soft Computing and its Engineering Applications (icSoftComp2022) – Hybrid Mode**”, at Charotar University of Science and Technology (CHARUSAT), Gujarat, India during 09-10 December 2022.
6. ***Technical Program Committee Member*** of the “**International Conference On Intelligent Systems and Smart Infrastructure (ICISSSI-2022) – Virtual Mode**”, at Shambhunath Institute of Engineering and Technology, Prayagraj, India during 21-22 May 2022.
7. ***Technical Program Committee Member*** of the “**3rd International Conference on Advances in Distributed Computing and Machine Learning (ICADCML-2022)**”, at NIT Warangal, India during 15-16 January 2022.
8. ***Technical Program Committee Member*** of the “**2nd International Conference On Innovative Trends In Information Technology (ICITIIT-2021)**”, at IIIT, Kottayam, Kerala, India during 11-12 February 2021.

9. **Technical Program Committee Member** of the “**IEEE International Conference On Electrical And Electronics Engineering (ICE3-2020)**”, at MMMUT, Gorakhpur, India during 14-15 February 2020.
10. **Technical Program Committee Member** of the “**International Conference on VLSI, Communication and Signal Processing (VCAS-2018)**”, at MNNIT Prayagraj, India during 29 November to 01 December 2018.
11. **Technical Program Committee Member** of the “**IEEE International Conference on Computing, Power and Communication Technologies 2018 (GUCON-2018)**”, at Galgotias University, India during 28-29 September 2018.
12. **Technical Program Committee Member** of the “**4th IEEE Uttar Pradesh Section International Conference on Electrical, Computer & Electronics (UPCON-2017)** at GLA University, Mathura, India during 26-28 October 2017.
13. **International Technical Committee Member** of the “**1st International Conference on Latest Advances in Machine Learning and Data Science (LAMDA-2017)**”, at NIT Goa, India during 24-26 May 2017.
14. **Technical Program Committee Member** of the “**IEEE International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS-2017)**”, held at MNNIT, Allahabad, India during 03-05 February 2017.
15. **International Technical Committee Member** of the “**3rd IEEE Uttar Pradesh Section Conference on Electrical, Computer and Electronics (UPCON – 2016)**”, held at IIT (BHU), Varanasi, India during 09-11 December 2016.
16. **Technical Program Committee Member** of the “**International Conference on Global Trends in Engineering, Technology & Management (ICGTETM-2016)**”, held at CET, Jalgaon, India during 04-06 January 2016.
17. **International Technical Committee Member** of the “**International Conference on Computational Intelligence in Data Mining (ICCIDM – 2014)**”, held at Veer Surendra Sai University of Technology, Burla, Odisha during 20-21 December 2014.
18. **Technical Programme Committee Member** of “**3rd IEEE International Advance Computing Conference (IACC – 2013)**”, held at AKG Engg. College, Ghaziabad, India during 22-23 February 2013.
19. **Technical Programme Committee Member** of “**IEEE International Conference on Signal, Image And Video Processing (ICSIVP – 2012)**”, held at IIT Patna during 13-15 January 2012.
20. **Technical Programme Committee Member** of “**2nd International Conference on Communication Technology & Networking Services (ICCTNS-2011)**”, 30-31 August 2011, Taiping, Taiwan.
21. **Technical Program Committee Member** of “**Annual International Conference on Software Engineering (SE-2010)**”, 6-7 December 2010, Phuket, Thailand.
22. **Technical Program Committee Member** of “**Annual International Conference on Network Technologies & Communications (NTC-2010)**”, 29-30 November 2010, Phuket, Thailand.
23. **Programme Committee Member** of “**IEEE International Conference on Computer and Communication Technology (ICCCT-2010)**”, 17-19 September 2010, MNNIT Allahabad.

C. Organizing Committee Member

1. **Program Committee Member** of the “**10th Annual International Conference on Computer Games Multimedia & Allied Technologies (CGAT-2017)**”, at Singapore during 10-11 April 2017.

2. **Organizing Committee Member** of the “**3rd International Conference on Applications of Fluid Dynamics (ICAFD - 2016)**”, at IIT(ISM), Dhanbad during 19-21 December, 2016.
3. **Organizing Committee Member** of the “**Industry Institute Interaction (III – 2016)**”, held at IIT(ISM), Dhanbad during 7 February, 2016.
4. **Organizing Committee Member** of the “**National Conference on Liquid Crystals (NCLC – 2016)**”, held at IIT(ISM), Dhanbad during 07-09 December, 2016.
5. **Organizing Committee Member** of the “**Topical Conference on Charged Particle Collisions and Electronic processes in Atoms, Molecules and Materials (q-PaCE 2016)**”, at ISM, Dhanbad during 09-11 January, 2016.
6. **Program Committee Member** of “**5th Student Research Symposium**” (in Conjunction with the 11th International Conference on Distributed Computing and Internet Technology - ICDCIT 2015) held at KIIT University, Bhubaneswar, Odisha, during 05-08 February 2015.
7. **Organizing Committee Member** of the “**80th Annual Conference of the Indian Mathematical Society (IMS 2014)**”, at ISM, Dhanbad during 27-30 December, 2014.
8. **Organizing Committee Member** of the “**National Seminar on Mineral Processing (NSMP-14)**”, held at ISM, Dhanbad during 17-18 October, 2014.
9. **Program Committee Member** of **5th Annual International Conference on Software Engineering & Applications (SEA-2014)**”, held at Singapore during 22-23 September 2014.
10. **Program Committee Member** of **IEEE International Conference on Recent Trends in Computer Science and Engineering (ICTRCSE-2014)**, held at Central University Bihar, Patna, India during 8-9 February 2014.
11. **Organizing Committee Member** of the “**International Conference on Microwave and Photonics (ICMAP 2013)**”, at ISM, Dhanbad during 13-15 December, 2013.
12. **Organizing Committee Member** of the “**National Seminar on Effectiveness, Ethics and Sustainability: The Measures of Organizational Excellence (NSEES 2013)**”, at ISM, Dhanbad during 6-7 December, 2013.
13. **Organizing Committee Member** of the “**National Conference on Recent Advances in Mathematics and Its Applications (RAMA-2013)**”, at ISM, Dhanbad during 14-16 February 2013.
14. **Organizing Committee Member** of the “**PETROTECH Annual Convention cum National Symposium on Petroleum Industry (PENS2012)**”, at ISM, Dhanbad during 12-13 March 2012.
15. **Program Committee Member** of “**2nd Annual International Conference on Software Engineering & its Applications (SEA-2011)**”, 12-13 December 2011, Singapore.
16. **Organizing Committee Member** of the **2nd National Seminar on “Frontiers in Electronics, Communication, & Instrumentation Technology (FECIT-2011)”**, at ISM, Dhanbad during 03-04 November 2011.
17. **Programme Committee Member** of “**IEEE International Conference on Computer and Communication Technology (ICCCT-2011)**”, 15-17 September 2011, MNNIT Allahabad.
18. **Organizing Committee Member** of the **International Seminar on “Recent Advances in Geosciences (RAG 2011)”**, at ISM Dhanbad during 11-13 January 2011.
19. **Programme Committee Member** of “**IEEE International Conference on Computer and Communication Technology (ICCCT-2010)**”, 17-19 September 2010, MNNIT Allahabad.

20. ***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.
21. ***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.

XVIII. Member of Professional Bodies

1. IEEE Senior Member
2. ACM Senior Member