

## RESUME



### Personal details

**Name** : **Prof. RAMA SHANKAR YADAV**  
**Father's Name** : **Late Shyam Bihari Yadav**  
**Date of Birth** : **07/11/1964**  
**Permanent Address** : **S/O Late Shyam Bihari Yadav  
Vill. & Post Neeba (Ram Nagar)  
Distt. Ambedkar Nagar, UP, India**  
**Communication Address** : **A-14, Staff Colony, Motilal Nehru National  
Institute of Technology Allahabad,  
Prayagraj, UP, India**

### Academic Qualifications

Sr. No.	Degree	Year	University / Institute
1.	Ph.D.	2004	I.I.T., Roorkee
2.	M.S.(Software Systems)	1993	B.I.T.S., Pilani
3.	B. Tech.	1990	I.E.T., Lucknow
4.	B. Sc.	1985	University of Allahabad

### Employment details

Sr. No	Designation	Duration	Employer
1	Professor	Since 02-07- 2009	M.N.N.I.T., Allahabad
2	Associate Professor	01-01- 2006 to 01-07-2009	M.N.N.I.T., Allahabad
3	Assistant Professor	02-07- 2001to 31-12- 2005	M.N.N.I.T., Allahabad
4	Lecturer	29-09-1995to 01-07- 2001	M.N.N.I.T., Allahabad
5	Lecturer	24-03-1995to 28-09-1995	G.B.P.E.C., Pauri, Garhwal
6	Lecturer	02-07-1991 to 22-03-1995	B.T.T.I., Pilani

- **Ph. D. Thesis Title: HIGH PERFORMANCE FAULT-TOLERANT REAL-TIME SCHEDULING ALGORITHMS.**
- **Research Interest:** Real-Time Scheduling & Fault-Tolerance, Computer Network & Distributed Systems.
- **Courses Taught at Undergraduate Level:** Data Structures, Data Base Management Systems, Digital Electronics, Microprocessors and Its Applications, Computer Architecture, Advanced Computer Architecture, Operating System, Real-Time system, Analysis and Design of Algorithms, Computer Networks, Computer Programming using C, Object Oriented Programming using JAVA, Embedded Systems, Mobile Computing.
- **Courses Taught at Postgraduate Level:** Advanced Data Model, Advanced Data Structures, Advanced Computer Architecture, Real Time and Embedded Systems, Distributed Systems, Parallel Computing, Software Engineering, Fault-Tolerant Computing, Mobile Computing, Network Security and Cryptography.
- **Masters' Thesis Supervised:** Total **80** students have completed their Masters Thesis under my supervision. Currently **02** Students are doing thesis under my supervision.
- **Ph. D. Thesis Completed :14**
- **Ph. D. Thesis supervising:** currently **04** Ph. D. students are working under me. Detailed list is enclosed.
- **Research Project Ongoing :** Information Security Education and Awareness (ISEA) II.
- **Research Project Completed:** I was chief investigator for a project on *Development of Fuzzy Neuro Techniques* funded by Ministry of Human Resource Development, Government of India.
- **Research Publications:** International Journal (**35**), International/National Conferences (**74**), Communicated (**10**). Detailed list is enclosed.
- **Administrative Positions Hold: 23**
- **Courses / Workshops/ Conferences Organized: 24**
- **Conferences Session Chaired: 05**
- **Member as an Advisory Board/ Organizing Board [International And National]: 16**
- **Member in Technical Committee in Conferences: 12**
- **Invited/Expert Lectures: 18**

- **Training / Workshops/ Conferences Attended: 06**
- **Details of Keynote Speaker in National/ International: 04**
- **Details of Ph. D. Thesis Evaluated/ Viva Conducted: 40**
- **Details of Papers Reviewed: 11**
- **Details of Other Academic Activities: 21**
- **Others Academic Activities (Ph. D. Paper Setter/BOG/RDC/BOS etc.): 21**
- **Membership of Professional Bodies:** I am life member of Institution *of* Engineers (India) science July, 1997.

**Address:**

**Dr. Rama Shankar Yadav**

Professor,

Dept. of Computer Science & Engineering,

Motilal Nehru National Institute of Technology Allahabad (Formerly M. N. Regional Engineering College), Prayagraj- 211004, Uttar Pradesh, India

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## **COURSES TAUGHT/ TEACHING AT UNDERGRADUATE LEVEL**

Data Structures, Data Base Management Systems, Digital Electronics, Microprocessors and Its Applications, Computer Architecture, Advanced Computer Architecture, Operating System, Real-Time system, Analysis and Design of Algorithms, Computer Networks, Computer Programming using C, Object Oriented Programming using JAVA, Embedded Systems, Mobile Computing.

## **UNDERGRADUATE COURSES TAUGHT/TEACHING (LAST THREE YEARS)**

<b>Sr. No.</b>	<b>Subject Name</b>	<b>Academic Semester</b>	<b>Program</b>
1	Object Oriented Programming	2020-2021 (Odd)	B. Tech. 3 <sup>rd</sup> Semester Information Technology
2	Embedded System	2019-2020 (Even)	B. Tech. 6 <sup>th</sup> Semester Information Technology
3	Object Oriented Programming	2019-2020 (Odd)	B. Tech. 3 <sup>rd</sup> Semester Information Technology
4	Embedded System	2018-2019 (Even)	B. Tech. 6 <sup>th</sup> Semester Computer Science and Engineering
5	Object Oriented Programming	2018-2019 (Odd)	B. Tech. 3 <sup>rd</sup> Semester Computer Science and Engineering
6	Embedded System	2017-2018 (Even)	B. Tech. 6 <sup>th</sup> Semester Computer Science and Engineering

## **COURSES TAUGHT/ TEACHING AT POSTGRADUATE LEVEL:**

Advanced Data Model, Advanced Data Structures, Advanced Computer Architecture, Real Time and Embedded Systems, Distributed Systems, Parallel Computing, Software Engineering, Fault-Tolerant Computing, Mobile Computing, Network Security and Cryptography.

## **POSTGRADUATE COURSES TAUGHT/TEACHING (LAST THREE YEARS)**

<b>Sr. No.</b>	<b>Subject Name</b>	<b>Academic Semester</b>	<b>Program</b>
01	Object Oriented Programming	2019-2020 (Even)	Master of Computer Application 2 <sup>nd</sup> Semester
02	Computer Network	2017-2018 (Odd)	Master of Computer Application 2 <sup>nd</sup> Semester
03	Fault Tolerance Computing	2016-2017 (Even)	M. Tech. 2 <sup>nd</sup> semester (Computer Science and Engineering ) and Doctor of Philosophy
04	Computer Network	2016-2017 (Odd)	Master of Computer Application 2 <sup>nd</sup> Semester
05	Real Time and Embedded System		M. Tech. 1 <sup>st</sup> semester (Computer Science and Engineering ) and Doctor of Philosophy

## M. TECH. THESIS SUPERVISED: No. 80

1. OPINION MINING FOR TEXT CLASIFICATION USING ENSEMBLE-TEXT HIDDEN MARKOV MODEL, By **Mr. Mohit Kumar**, M. Tech, Information Security, 2018-20.
2. OPINION MINING FOR TEXT CLASIFICATION USING ENSEMBLE-TEXT HIDDEN MARKOV MODEL, By **Mr. Vikalp Kumar Singh**, M. Tech, Information Security, 2018-20.
3. OPINION MINING FOR TEXT CLASIFICATION USING ENSEMBLE-TEXT HIDDEN MARKOV MODEL, By **Mr. Tejbahadur**, M. Tech, Information Security, 2017-19.
4. TEXT BASED OPINION MINING ON TWITTER DATA, By **Mr. Vinit Kumar**, M. Tech, Software Engineering, 2017-19.
5. AN IMPROVED TOKEN-BASED DISTRIBUTED MUTUAL EXCLUSION ALGORITHM, By **Mr. Prshant Kumar**, M. Tech, Software Engineering, 2016-18.
6. DSR BASED MULTIPATH ROUTINPROTOCOL FOR VANET, By **Mr. Vineet Kumar Verma**, M. Tech, Computer Science & Engineering, 2015-17.
7. DDoS ATTACK DETECTION USING ARTIFICIAL NEURAL NETWORK, By **Mr. Sanjay Yadav**, M. Tech, Information Security, 2015-17.
8. FLOW BASED LOAD BALANCING APPROACH ON SDN, By **Mr. Santosh Chauhan**, M. Tech, Software Engineering, 2015-17.
9. A MODIFIED APPROACH FOR PERIODIC AND POLICIES FOR EFFECTIVE ROUTING IN DEIVERSE MOBILE TOPOLOGY, By **Mr.Pushpendra Kumar**, M. Tech, Information Security, 2014-16.
10. ADVANCED ENERGY OPTIMIZATION TECHNIQUE USING CO-OPERATIVE MIMO IN WSM, By **Ms. Rashmi Pratap**, M. Tech, Computer Science & Engineering, 2014-16.
11. A MODIFIED APPROACH FOR PATH SELECTION IN SDN NETWORK, By **Mr.Ashish Kumar Srivstava Singh**, M. Tech, Computer Science & Engineering,2013-15.
12. ACTIVE CLUSTER HEAD DATA AGGREGATION IN WIRELESS SENSOR NETWORK, By **Ms.Prem Nisha**, M. Tech, Computer Science & Engineering, 2013-15.
13. DESIGN AND IMPLEMENTATION OF CONTROLLER BASED SDN TROUBLE SHOOTING TOOL, **Mr.Amar Singh**, M.Tech , Software Engineering,2013-15.
14. ENHANCED REGION BASED HIERARCHICAL ROUTING PROTOCOL IN WIRELESS SENSOR NETWORK, By **Ms. Preeti Kumari**, M. Tech, Computer Science & Engineering2012-14.
15. LOAD BALANCING THROUGH ENHANCED CLUSTERING TECHNIQUES IN WIRELESS SENSOR NETWORK, By **Mr. Amit Nathani**, M.Tech , Software Engineering2012-14
16. DATA AGGREGATIONAPPORACH TO ENHANCE THE NETWORK LIFE TIME IN WIRELESS SENSOR NETWORK, By **Mr.Prince Rajput**,M. Tech, Information Security2012-14.
17. ENERGY EFFIENCY RESOURCE MANAGEMENT IN REAL TIME SYSTEM MULTICORE SYSTEM By. **Mr. Vivek Kumar Singh**, M.Tech , Software Engineering, 2011-13.
18. IMPROVED LOW-ENERGY ADAPTIVE CLUSTERING HIERARCHY (LEACH) PROTOCOL FOR WIRELESS SENSOR NETWORK By **Mr.Mudit Sharma**, M.Tech , Software Engineering, 2011-13.
19. MODIFIED AODV FOR REDUNDANT PATH ADHOC NETWORK By **Mr. Deepak Kumar Pallavi**,M. Tech, Information Security, 2011-13.
20. PREVENTION OF BACKHOLE ATTACK IN AODV ROUTING PROTOCOL BASED MOBILE AD HOC NETWORK, By **Shashi Prakash**, M. Tech, Information Security, 2011-13.

21. IMPROVING HANDOVER EFFICIENCY IN WIRELESS NETWORK USING MEDIA INDEPENDENT HANDOVER, By **Vikash Kumar**, M. Tech, Computer Science & Engineering, 2011-13
22. A FAST RESTART MACHENISM WITH REDUCED CHECKPOINT OVERHEAD FOR RELIABLE SYSTEM By Mr. **Manish Singh**, M. Tech, Computer Science & Engineering, 2011-13.
23. ENERGY AWARE GREEDY APPROACH FOR CHAIN FORMATION AND HEAD SELCTION IN WIRELESS SENSOR NETWORK By Ms. **Madhuri Gupta**, M. Tech, Computer Science & Engineering, 2011-13.
24. PERFORMANCE COMPARISON OF LOSSY IMAGE COMPRESSION BASED ON ENCODING TECHNIQUE by Mr. **Awadhesh Kumar**, M.Tech , Software Engineering, 2009-12.
25. IMPROVEMENT OF QoS IN LOCATION MANAGEMENT FOR PCS NETWORK by Mr. **Ashish Kr Mishra**, M.Tech , Software Engineering, 2009-12.
26. DETECTION AND IDENTIFICATION OF ARP SPOOFING WITH THE HELP OF ENHANCED SPOOF DETECTION ENGINE by Ms. **Poonam Pandey**, M.Tech , Information Security, 2010-12.
27. DESIGN AND DEVELOPMENT OF NS2 MODULE FOR MESSAGE INTEGRITY AND UER AUTHENTICATION AT APPLICATION LAYER by Mr. **Harsh Kumar Dubey**, M.Tech , Information Security, 2010-12.
28. DEVELOPMENT AND VALIDATION OF NS2 MODULE FOR DATA SECURITY AT NETWORK LAYER by Mr. **Prashant Kumar**, M.Tech , Information Security, 2010-12.
29. DYNAMIC ROUTE OPTIMIZATION FOR REVERSE AODV IN MANETS BY SHRINKING MECHANISM by Mr. **Mithlesh Kumar Singh Yadav**, M.Tech , GIS & remote sensing, 2010-12.
30. SPECIAL PATTERN ANALYSIS AND DECISION MAKING ALGORITHM FOR PROJECT LOCATION SITE PREDICTION by Ms. **Alka Maurya**, M.Tech , GIS & remote sensing, 2010-12.
31. TRANSMISSION DELAY BASED ROUTING ALGORITHM FOR VANET by Mr. **Varun Agrawal**, M.Tech , Software Engineering, 2010-12.
32. AN EFFICIENT QOS ENERGY AWARE FAULT TOLERANT SCHEDULING FOR REAL TIME TASKS by Ms. **Pragya Lal**, M.Tech , Software Engineering, 2010-12.
33. ENERGY EFFICIENT IMPROVED PRIORITY CEILING PROTOCOL FOR REAL TIME SYSTEMS by Mr. **Ajitesh Kumar**, M.Tech , Computer Science & Engineering, 2010-12.
34. REAL TIME SCHEDULING WITH DVS AND HARVESTING ENERGY CONSTRAINTS by Ms. **Mona Kumari**, M.Tech , Computer Science & Engineering, 2010-12.
35. MODIFIED FORECASTING ROUTING TECHNIQUE USING PREDICTION BASED LOCATION INFORMATION by Mr. **Atma Prakash Singh**, M.Tech , Computer Science & Engineering, 2010-12.
36. STUDY OF ENERGY AWARE ROUTING PROTOCOLS IN MANETS by Mr. **Rajit Ram Yadava**, M.Tech , Software Engineering, 2008-12.
37. MODIFIED COOPERATIVE CACHING IN MANETS by Mr. **Ram Prakash**, M.Tech , Software Engineering, 2008-12.
38. DELAY- SENSITIVE SHORT MESSAGE ACCESS PROTOCOL FOR WIRLESS NETWORK. by Mr. **Deep Kumar Nath**, M.Tech , Software Engineering, 2009-11.

39. A UTILIZATION BASED APPROACH FOR SOLVING MULTI-CHANNEL HIDDEN TERMINAL PROBLEM IN UNDER WATER ACOUSTIC WIRELESS SENSOR NETWORKS WITH SINGLE TRANCIVER.by Ms. **Saumya Chaturvedi**, M.Tech ,Computer Science Engineering, 2009-11.
40. IMPROVED RESOURCE MANAGEMENT IN CLOUD COMPUTING by Ms. **Sonam Agrawal**, M.Tech, GIS Cell, 2009-11.
41. OPTIMAL CHECKPOINTING SCHEME TO TOLERATE SINGLE TRANSIENT FAULT FOR TIME CRITICAL APPLICATION WITH ENERGY CONSTRAINT by Mr. **Arvind Kumar**, M.Tech ,Computer Science Engineering, 2009-11.
42. PRIORITY BASED RESOURCE MANAGEMENT FOR HYBRID CLOUD COMPUTING by Ms **Harshita Agrawal**, M.Tech , Information Security, 2009-11.
43. ANALYSIS AND VERIFICATION OF AUTHENTICATION PROTOCOLS IN WIMAX by Mr.Anjani **Kumar Rai**, M.Tech ,Information Security, 2009-11.
44. ID BASED SIGNATURE AND MULTIPROXY SIGNATURE SCHEME FOR BILINEAR PAIRING by Mr. **Shivendu Mishra**, M.Tech ,Information Security, 2009-11.
45. CLUSTER BASED GROUP KEY MANAGEMENT IN MOBILE ADHOC NETWORK by Mr. **Sanjay Prakash Ranga**, M.Tech ,Computer Science Engineering, 2008-10.
46. NS-SCAN: AN INTEGRATED SECURITY SCANNER FOR NET SCALAR by Mr. **Sahaj Narain Pandey**, M.Tech ,Information Security, 2008-10.
47. Window based security sensitive scheduling for real-time applicatios on cluster by Mr. **Rajiv Lochan Jana**, M.Tech,Information Security, 2008-10.
48. SLACK BASED APERIODIC TASKS SCHEDULING FOR REAL-TIME SYSTEMS by Mr. **Deep Charndra Yadav**, M.Tech,Computer Science Engineering, 2008-10.
49. AN EFFICIENT BROKER CLOUD MANAGEMENT by Mr. **Gaurav Raj**, M.Tech,Software Engineering, 2008-10.
50. MITIGATION OF 1-AFFECTS-N PHENOMENON IN DISTRIBUTED PARADIGM OF GROUP KEY MANAGEMENT by Mr. **Anil Kumar Yadav**, M.Tech (Sequential), Software Engineering, 2007-09.
51. HAMILTON P-CYCLE DESIGN by Mr. **Sanjay Kumar Sahu**, M.Tech, GIS and Remote Sensing, 2007-09.
52. NEW GENRALIZED P-GRAY CODE BASED ALGORITHM FOR MULTIMEDIA SECURITY by Mr. **Raj Kumar**, M.Tech, Information Security,2007-09.
53. A SECURE REAL-TIME SCHEDULING ON CLUSTER WITH ENERGY MINIMIZATION BY : **Rudra Pratap Ojha**, M.Tech, (sponsored), Computer Science & Engineering, and 2007-09.
54. DUAL FAILURE SURVIVABILITY FOR MULTI-QUALITY DATA USING P-CYCLE by Mr. **Ajeet Singh**, M. Tech, Information Security, 2007-09.
55. MINIMIZE THE EFFECT OF IGMP LEAVE LATENCY IN LAYERED MULTICAST by Mr. **Girish Kumar Gupta**, M.Tech, Computer Science & Engineering, and 2007-09.
56. AN ADAPTIVE APPROACH: HASH REDUNDANCY MITIGATION SCHEME FOR MULTICAST SOURCE AUTHENTICATION by Mr. **Amit Kumar Sharma**, M.Tech, Information Security, 2007-09
57. THE SYSTEM ENERGY MINIMIZATION FOR WEAKLY HARD REAL-TIME SYSTEMS WITH (M, K) CONSTRAINTS by Mr. **Sarshij Tripathi**, M. Tech. (QIP), Computer Science & Engineering, and 2006-08.



58. THE SYSTEM ENERGY MINIMIZATION FOR WEAKLY HARD REAL-TIME SYSTEMS WITH (M, K) CONSTRAINTS by Mr. **Ranvijay**, M.Tech (QIP), Computer Science & Engineering, and 2006-08.
59. QUALITY OF SERVICE OVER MULTI HOP WIRELESS LAN SYSTEM by Mr. **Bhoopendra Dwivedi**, M.Tech. (Sponsored), Computer Science & Engineering, and 2006-08.
60. IMPROVED PERFORMANCE ROUTING IN DELAY TOLERANT NETWORK by Mr. **Mohammad Arif**, M. Tech. (Sequential), Software Engineering, 2004-08.
61. GROUP KEY MANAGEMENT IN DISTRIBUTED PARADIGMS by Mr. **Akhilesh Verma** M.Tech. (Sequential), Software Engineering, and 2004-08.
62. IMPROVED COVERAGE AREA OF AP THROUGH MULTI-HOP COMMUNICATION by Mr. **A. R. Sivakumaran**, M.Tech. (QIP), Computer Science & Engineering, and 2005-07.
63. A MODIFIED APPROACH FOR SECURING REAL TIME APPLICATION ON CLUSTERS by Mr. **Abhishek Songra**, M.Tech Software Engineering, 2005-07.
64. OFFLINE FAULT TOLERANCE PATTERN FOR SYSTEM WITH ARBITRARY DEADLINE by Ms. **Nabanita Das**, M.Tech Computer Science & Engineering, 2005-07.
65. ENHANCING ENERGY MINIMIZATION FOR REAL TIME SYSTEM WITH (M, K) GUARANTEE by Mr. **Abhay Kumar Singh**, M.Tech Software Engineering, 2005-07
66. MULTIPATH LOAD BALANCING IN MPLS-BASED NETWORKS, Mr. **Shiva Prakash**, M.Tech. (QIP) Computer Science & Engineering, 2004-06.
67. LINEAR AND NONLINEAR METHOD FOR IMAGE DEBLURRING by Mr. **Anil Kumar Singh**, M.Tech (PT) Software Engineering, 1998-2006.
68. UTILITY BASED CHANNEL ALLOCATION ALGORITHM FOR REAL TIME SYSTEMS by Mr. **Renjit R.**, M.Tech. Computer Science & Engineering, 2004-06.
69. ADAPTIVE MULTICAST CONGESTION CONTROL by Mr. **Karan Singh**, M.Tech. Computer Science & Engineering, 2004-06.
70. ENERGY BASED SCHEDULING ALGORITHM FOR REAL TIME SYSTEM by Mr. **Nitin Sharma**, M.Tech Computer Science & Engineering, 2004-06.
71. EFFICIENT FILE SYSTEM FOR LINUX, by Mr. **Dinesh Gupta**, M.Tech Computer Science & Engineering, 2003-05.
72. JAVA BASED PARALLEL PROGRAMMING ENVIRONMENT by Mr. **Bheemidi Vishwanath**, M.Tech Computer Science & Engineering, 2003-05.
73. COMPONENT INTEROPERABILITY USING ASPECT ORIENTED APPROACH, by Ms. **Sapna Kumari**, M.Tech Computer Science & Engineering, 2003-05.
74. Global decision for utility accrual real time channel establishment, by Mr. **J. Prem Kumar**, M.Tech Computer Science & Engineering, 2003-05.
75. REAL-TIME SCHEDULING IN WEB SERVER USING FEEDBACK CONTROL, by Mr. **R Lolarak**, M.Tech Computer Science & Engineering, 2003-05.
76. ONLINE SIGNATURE VERIFICATION USING NEURAL NETWORK, Dr. **Jayant Nath Tripathi**, Computer Science & Engineering, 1997-2000.
77. ONLINE HAND WRITTEN CHARACTER RECOGNITION USING NEURAL NETWORK, Mr. **Ajay Kumar Sachan**, Computer Science & Engineering, 1997-99.
78. OFF LINE PRINTED CHARACTER RECOGNITION USING NEURAL NETWORK, Mr. **Ashok Kumar Pathak**, Computer Science & Engineering, 1996-98.
79. STATIC SIGNATURE VERIFICATION SYSTEM, Mr. **V.Brahma** with Dr. Sunita Agrawal, M.Tech Computer Science & Engineering, 1996-98.

80. PROBABILISTIC APPROACH FOR EDGE DETECTION, Mr. **Pankaj Gupta** with Prof. Gulab Singh, M.Tech Computer Science & Engineering, 1995-97.

## LIST OF Ph. D. THESIS SUPERVISED/SUPERVISING: No. 14/04

Sl. No	Name & Registration No.	Research topic	Work status
1	Ms. Medha kriti 2020RCS10 (Full time Stipendiary)	Distributed Systems	Doing Course Work
2	Mr. Anil Kumar 20109RCS04 (Full time Stipendiary)	Data Mining	Doing Course Work
3	Mr. Avaneesh Kumar Yadav 2017RCS04 (Full time Stipendiary)	Text Mining	State of art Completed
4	Mr. Abhay Katiyar 2017RCS10 (Full Time QIP)	Vehicular Ad-hoc Networks	State of art Completed
5	Mr. Naveen Kumar Gupta 2015RCS12 (DeitY)	Geographical Routing in Wireless Sensor Networks	Ph. D. Completed (2020)
6	Ms. Shruti Jadon, 2013RCS01 (Full time Stipendiary)	Load Balancing Based Scheduling Algorithms For Mixed Real Time Tasks On Multicore Systems	Ph. D. Completed (2019)
7	Ms. Sarika Yadav, 2012RCS03 (Full time)	Energy Efficient Aggregation Head Selection Algorithms For Structure-Free Wireless Sensor Networks	Ph. D. Completed (2018)
8	Mr. Dinesh Singh 2012RCS57 (Part time)	Efficient Cluster Based Misbehavior Detection And Revocation of Malicious Vehicle In VANET	Ph. D. Completed (2017)
9	Dr. Anil Kumar Singh	Image Restoration Using Bayesian Framework	Ph. D. Completed (2017)
10	Mr. Hari Mohan Singh, 2010RCS05 ( Part time)	Strategies For Enhanced Protection Path And Dual Failure Restorability In WDM Mesh Networks Using Reconfigurable And Partitioned P-Cycle	Ph. D. Completed (2016)
11	Ms Shivani Mishra, 2009RCS02 (full time)	Modeling And Analysis Of Complex Cyber Attacks	Ph. D. Completed (2015)
12	Mr. Anil Kumar Yadav 2008RCS14 (Part-Time)	Efficient Connected Dominating Set Construction for Wireless Ad hoc Networks	Ph. D. Completed (2015)
13	Mr. Mohit Gangwar, 2009RCS58 (Part-Time)	Semantic Web Service For Medical Diagnosis Using Multi Agent Systems	Ph. D. Completed (2014)
14	Mr. Sarsij Tripathi 2008RCS11 (Full-Time)	Effective Scheduling of Security Constrained Time Critical Applications on Cluster	Ph. D. Completed (2013)

15	Mr Ranvijay, 2008RCS01 (Full Time)	Reliable Energy Aware For Mixed Real-Time Systems	Ph. D. Completed (2013)
16	Mr. Raghav Yadav 2005RCS02 (Part-Time)	P-Cycle Based Efficient Span Protection Approaches For Survivability Of WDM Networks	Ph. D. Completed (2012)
17	Mr. Karan Singh 2006RCS02 (Full Time)	Load Management Using Efficient Secure Mechanism In Multicast	Ph. D. Completed (2010)
18	Ms. Smiriti Agrawal 2005RCS06 (Full Time)	An Efficient Scheduling Algorithm For Reliable Energy Aware Real-Time System With Arbitrary Deadlines.	Ph.D. Completed (2009)

### RESEARCH PROJECT COMPLETED/ ONGOING: 01/01

Sr. No.	Client/Organization's name	Nature of project	Duration of project	Amount of grant (Rupees)
01	MHRD, Govt. Of India	Development of Fuzzy Neural Techniques	1998-2000	14,00,000.00
02	Ministry of Communication and Information Technology, Department of Electronics and Information Technology HRD Division	Information System Education and Awareness (ISEA)-II	2015-contd	43,45,778.00

## LIST OF PUBLICATIONS: No. 11

1. Vikalp Kumar Singha, Neha Shree Mauryab, Ashutosh Manib, **Rama Shankar Yadav** “Machine learning method using position-specific mutation based classification outperforms one hot coding for disease severity prediction in haemophilia ‘A’”, Genomics, Vol. No.112. Issue 06, Pg. 3837-5356 (November 2020). <https://doi.org/10.1016/j.ygeno.2020.09.020>
2. Naveen Kumar Gupta, **Rama Shankar Yadav** and Rajendra Kumar Nagaria, “An Angular 3D Path Selection Protocol in Wireless Sensor Networks”, Accepted in Open Computer Science Journal (ESCI & Scopus) on July 09, 2020
3. Abhay Katiyar, Dinesh Singh, Rama Shankar Yadav, “State-of-the-art approach to clustering protocols in VANET- a survey” Wireless Networks-The Journal of Mobile Communication, Computation and Information, volume 26, number 7, June 2020. [SCI] [doi: <https://doi.org/10.1007/s11276-020-02392-2>]
4. **Naveen Kumar Gupta**, Rama Shankar Yadav and Rajendra Kumar Nagaria, “3D Geographical Routing in Wireless Ad Hoc and Sensor Networks: An Overview”, Wireless Networks (SCI Index, IF: 2.405), Vol. 26, Page no. 2549-2566, 2020. ISSN:1022-0038, <https://doi.org/10.1007/s11276-019-01983-y>.
5. Dinesh Singh, Ranvijay and **Rama Shankar Yadav**, “A state-of-art approach to misbehavior detection and revocation in VANET: survey”, Int. J. Ad Hoc and Ubiquitous Computing, Vol. 28, Issue 2, Page 77-93, 2018 (SCIE), URL: <https://www.inderscienceonline.com/doi/abs/10.1504/IJAHUC.2018.092653>.
6. Hari Mohan Singh, **Rama Shankar Yadav**, “Efficient Algorithm for Removal of Loopbacks in p-Cycle based survivable WDM Networks”, The Institution of Engineering and Technology (IET) Communication, DOI: 10.1049/iet-com.2018.5391, Print ISSN 1751-8628, Online ISSN 1751-8636, 2018 (SCI),URL: <https://ieeexplore.ieee.org/document/8527706>.
7. Hari Mohan Singh and **Rama Shankar Yadav**, “Partitioning-based approach to control the restored path length in p-cycle based survivable networks” Photonic Network Communication, DOI: 10.1007/s11107-016-0659-7, 2016 (SCI), URL:-<https://www.springerprofessional.de/en/partitioning-based-approach-to-control-the-restored-path-length-/11757416>.
8. Sarika Yadav and **Rama Shankar Yadav** : “A Review on Energy Efficient Protocols in Wireless Sensor Networks”, Wireless Networks, Springer Volume 22 Issue 1, Pages 335-350 January 2016 (SCI Journal), URL: <https://link.springer.com/article/10.1007/s11276-015-1025-x>
9. Karan Singh, **Rama Shankar Yadav**, “Efficient Multicast Congestion Control” Wireless Personal (pers) Communication, Vol. 78, published online by Springer Science+Business Media, New York, May 2014, PP. 1159-1176 (Impact Factor: 0.979)URL: <https://link.springer.com/article/10.1007/s11277-014-1809-9>.
10. Raghav Yadav, **Rama Shankar Yadav** and Hari Mohan Singh, “Inter-cycle switching (ICS)-based dynamic reconfiguration of p-cycle for dual-failure survivability of WDM networks” Photonic Network Communications, published online by Springer Science+Business Media, LLC 2012 (2013 Impact Factor: 0.750),URL:- <https://link.springer.com/article/10.1007/s11107-012-0376-9>
11. Raghav Yadav, **Rama Shankar Yadav** and Hari Mohan Singh, “Enhanced Inter-cycle Switching in p-cycle Survivability for WDM Networks” Journal of Optical Communications and Networking, vol. 2, issue 11, November 2010, pp. 961-966, published by IEEE / OSA (2013 Impact Factor: 1.547),URL: <https://www.osapublishing.org/jocn/abstract.cfm?uri=jocn-2-11-961>

## Communicated in Journals: No. 10

1. Naveen Kumar Gupta, **Rama Shankar Yadav** and Rajendra Kumar Nagaria: “An Angular 3D Path Selection Protocol in Wireless Sensor Networks”, in The Computer Journal (Oxford).

2. Sarika Yadav and **Rama Shankar Yadav** “Efficient Aggregation Head Selection (EAHS) Protocol using EM model in Structure-Free Wireless Sensor Networks”, Wireless Communications and Mobile Computing Recommendation, HINDAWI (SCI Journal) (Paper under second revision).
3. Sarika Yadav and **Rama Shankar Yadav** “Displacement Estimated Aggregation Head Selection (DEAHS) with Particle Swarm Optimization (PSO) in Structure-Free Wireless Sensor Networks”, Wireless Personnel Networks, Springer (October’ 2016)
4. Sarika Yadav and **Rama Shankar Yadav** “DEMAP-Deadline Estimated Mobile Agent’s Path Determination in Disconnected Structure-Free Wireless Sensor Networks”, Wireless Networks, Springer (September’ 2016)
5. Sarika Yadav and **Rama Shankar Yadav** “Redundancy Elimination Protocol for Accurate Data Aggregation Structure-Free Wireless Sensor Networks”, IEEE Sensors Journal (SCI Journal) (November’ 2018) (Under Review)
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46. Karan Singh, **Rama Shankar Yadav** and Amit Kumar Sharma, "Adaptive Approach: Hash Redundancy Conquest For Multicast Source Authentication", in IEEE International Conference on Emerging Trends in Computing (ICETC 2009), at Kamaraj College of Engineering & Technology Virudhunagar, Tamil Nadu, India, 8-10 January, 2009, PP. 341-345.
47. Karan Singh, Manisha Manjul, Renu Dhir and **Rama Shankar Yadav**, "Bandwidth Delay Quality Parameter Based Multicast Congestion Control", in International Conference on Advanced Computing and Communication (ADCOM '08) at MIT, Anna University, Chennai, 14 -17 December 2008, PP. 399-405, Digital Object Identifier: 10.1109/ADCOM.2008.4760479, ISBN: 978-1-4244-2962-2, URL: [http://ieeexplore.ieee.org/xpls/abs\\_all.jsp?arnumber=4760479](http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4760479).
48. Karan Singh, **Rama Shankar Yadav** and Rudra Pratap Ojha, "Reliable Multicast Authentication", in National Conference on Architecturing Future IT Systems (NCAFIS-2008), Devi Ahilya University Indore, 17-18, October 2008, PP. 195-200.
49. Smriti Agrawal, **Rama Shankar Yadav** and Ranvijay "A Survey On Real-Time Fault Tolerant Systems", in National Conference on Architecturing Future IT Systems (NCAFIS-2008), Devi Ahilya University Indore, 17-18, October 2008, PP. 168-176.
50. Karan Singh and **Rama Shankar Yadav**, "Efficient And Secure Multicast Communications" in International Conference on Computer Networks and Security (ICCNS 08), VIT, Puna, India, September 27-28 , 2008, PP. 97-102.
51. Mohammad Arif and **Rama Shankar Yadav**, "Improved Algorithmic Routing for Disruption Tolerant Network" in International Conference on Computer Networks and Security (ICCNS 08), September 27-28, 2008, Pune, India.
52. Smriti Agrawal, **Rama Shankar Yadav** and Ranvijay, "System Level Energy Aware Fault-Tolerant Approach For Real-Time Systems", in 10<sup>th</sup> IEEE conference, TENCON-2008, 18- 21 November, 2008, Hyderabad, India URL: <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=4766854>.
53. Smriti Agrawal, **Rama Shankar Yadav** and Ranvijay, "System Level Energy Minimization by Speed Fine Tuning Technique", in International Conference on Embedded Systems, Mobile Communication and Computing( ICEMC<sup>2</sup>), 11- 14 August, 2008, Infosys, Mysore, India, Published by Macmillan, ISBN:023-063-618-7.
54. Karan Singh and **Rama Shankar Yadav**, "A Survey on Multicast Congestion Control" in Third Innovative Conference on Embedded Systems, Mobile Communication and Computing, August 11-14, 2008, Infosys, Mysore, India, Published by Macmillan, ISBN:023-063-618-7, PP. 186-197.
55. Abhay Kumar Singh and **Rama Shankar Yadav**, Ranvijay, "Enhanced Energy Minimization (m, k) Gauranteed Real-Time Systems", in International Conference on Emerging Technology and Applications in Engineering, Technology and Sciences, 14-17, January, 2008, at Ahmedabad , Gujrat, pp. 347-353 ISSN: 978-81-906220-0-4.
56. Smriti Agrawal, **Rama Shankar Yadav** and Ranvijay, "A Survey on Energy Aware Processor Design Techniques in Real-Time Systems", in International Conference on Soft computing and Intelligent Systems, Jabalpur Engineering College, Jabalpur, India, 27-29 December 2007.
57. Karan Singh and **Rama Shankar Yadav**, "Overview Of Secure Network System", in International Conference on Soft Computing and Intelligent Systems (ICSCIS-07), Jabalpur, December 2007.
58. A R Siva kumaran, **Rama Shankar Yadav** and Karan Singh, "Enhanced Coverage Area Of An Access Point Using Multihop", in International Conference on Advances in Information and Communication Technology (ICICOT07), Manipal, December, 2007, PP. 50-58.
59. Shiva Prakash and **Rama Shankar Yadav**, "Multipath Load Balancing In MPLS Networks", in International Conference on Advances in Information and Communication Technology (ICICOT07), Manipal, December 2007.
60. Smriti Agrawal, **Rama Shankar Yadav** and Nabanita Das, "Multiple Fault Tolerance Patterns for Systems With Arbitrary Deadlines", in International Information Technology Conference (ICIT), December 2007, PP. 173-178, URL: <https://ieeexplore.ieee.org/document/4418291>.
61. Smriti Agrawal, **Rama Shankar Yadav** and Nabanita Das, "Checkpointing Based Fault Tolerance Patterns For Systems With Arbitrary Deadlines", in International Conference on Advanced Computing, Indian

institute of Technology, Guwahati, Dec , 2007, URL: <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=4426048>.

62. A R Sivakumaran, **Rama Shankar Yadav** and Karan Singh, “Multi-Hop Wireless Local Area Network” in International Conference on Information Technology, at Haldia Institute of Technology, Haldia, 19-21 March 2007, pp. 238-245, ISBN: 81-89766-74-0.
63. Karan Singh, **Rama Shankar Yadav**, Raghav Yadav and A R Sivakumaran “Adaptive Multicast Congestion Control” in International Conference on Information Technology, at Haldia institute of Technology, Haldia, 19-21 March 2007, PP. 299-306, ISBN: 81-89766-74-0.
64. Nitin Sharma and **Rama Shankar Yadav**, “Energy Based Scheduling algorithm for Real-time System”, in International Conference on advanced Computing at NIT Surathkal, Karnataka, December, 20-23, 2006, URL: <https://ieeexplore.ieee.org/abstract/document/4289944>.
65. R. Renjith and **Rama Shankar Yadav**, “Utility Based Channel Allocation Algorithm for Real-time Systems” in International Conference on Advanced Computing at NIT Surathkal, Karataka, December 20-23, 2006, URL: <https://ieeexplore.ieee.org/document/4289982>.
66. R Lolarak and **Rama Shankar Yadav**, “Feedback control Real Time Scheduling in web Server”, in International Conference on Current Trends in Information Technology, Department of Information Technology, SRKR Engineering College, Bhimavaram, AP, October 1-3, 2005.
67. **Rama Shankar Yadav**, Padam Kumar and Kuldip Singh, “A Value-Based Fault-Tolerance Scheduling for Aperiodic Hard Real-Time Multiprocessor Systems”, in Sixth International Conference on Information Technology (CIT), Bhubneshwar, India, December, 2003.
68. **Rama Shankar Yadav**, Padam Kumar and Kuldip Singh, “A Value-Based Scheduling in Real-Time systems”, in International Conference on Advanced Computing and Communications (ADCOM’03), Coimbatore, India, December 17-20, 2003.
69. **Rama Shankar Yadav**, Padam Kumar and Kuldip Singh, “A Fault-Tolerant Dynamic Checkpoint Algorithm for Aperiodic Hard Real-Time Multiprocessor Systems”, in International Conference on Advanced Computing and Communications (ADCOM’03), Coimbatore, India, December 17-20, 2003.
70. **Rama Shankar Yadav**, Kumar Padam, and Singh Kuldip, “Checkpointing to Tolerate Transient Faults for Aperiodic Tasks in Hard Real-Time Systems”, in Fifth International Conference on Information Technology, Bhubneshwar, India, pp. 3-8, December 2002, URL: <http://www.oits-icit.org/ICIT-2002/fcp02.html>.
71. **Rama Shankar Yadav**, Kumar Padam, and Singh Kuldip, “Checkpoint Algorithm for Aperiodic Tasks in Hard Real-Time Systems with Multiple Transient Faults”, in Sixth International Conference High Performance Computing HPC-Asia, Bangalore, India, pp. 481-487, Dec. 2002.
72. Pankaj Gupta, **Rama Shankar Yadav** and Gulab Singh, “Probabilistic approach for Edge Detection”, in National Seminar at J.K. Institute, Allahabad 1999.
73. V. Brahma Naidu, **Rama Shankar Yadav** and Sunita Agrawal, “Static Signature Verification System”, in Proceedings of Annual Conference of Infocomtech, Jodhpur in 1998.
74. **Rama Shankar Yadav** and Vinod Yadav, “FUZZY-Neuro: A New Paradigm”, in National Seminar at Andhra University 1998.

## LIST OF ADMINISTRATIVE POSITIONS HELD: No. 23

Sr. No.	Positions	Duration
1	Chairman, GIS- Cell	01-08-2019 to Continue
2	Chairman, Skill Development	10-10-2020 to Continue
3	Chairman, SDPC	04-10-2018 to 03-10-2020
4	Convener, MCA,NBA, Committee	04-10-2018 to Continue
5	Convener, DDPC, GIS Cell	03-10-2017 to 31-07-2018
6	Chairman, Annual Maintenance Contract Committee (AMCC)	01-02-2017 to 12-02-2019
7	Centre Incharge, IGNOU	July, 2016 to Continue
8	Chairman, Centralized Counseling for M.Tech/M.Arch/M.Plan C.C.M.T.-2016	11-04-2016 to 12-06-2016
9	Chairman, Institute Health Committee	15-12-2015 to 15-12-2016
10	Chairman, SDPC	13-09- 2015 to 12-09-2017
11	Head of Department	01-07-2014 to 30-06-2016
12	Member of DPGC, CSED	January, 2008 to 2012
13	Coordinator - Computer Centre	October 2012 to October 2013
14	In charge PG Admission in CSED	January, 2004 to 2012
15	Chief Warden	March, 2010 to May, 2010
16	Warden In charge	July, 2005 to May, 2010
17	Member of SPGC	January, 2004 to December, 2007
18	Convener, DPGC, CSED	January, 2004 to December, 2007
19	Officer in Charge - Parallel Computing Lab	July, 2005 to December, 2007
20	Warden	July, 2004 to June, 2005
21	Member of Institute Automation	January, 2005 to June 2005

	Committee	
22	Member of Curriculum Development for UG	January, 2004 to May, 2004
23	Assistant Warden	February, 1996 to July, 2000



## **COURSES / WORKSHOPS/ CONFERENCES ORGANISED: No. 24**

### **Convener/Chairman**

1. [**Convener**] FDP on “**Information Security: Issues and Challenges -2020 ( ISIC-2020)**”, Sponsored by ISEA-II, November 17 - 21, 2020 via online mode at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211 004.
2. [**Convener**] FDP on “**Safety Aware Peaceful life in COVID-2019 ( SAPLC-2020)**”, Self financed, July 28 –August 02, 2020 via online mode at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211 004.
3. [**Convener**] FDP on “**Information Security & Privacy-2020 ( ISP-2020)**”, Sponsored by ISEA-II, May 26 - 30, 2020 via online mode at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211 004.
4. [**Coordinator**] A self- financed summer training program on “**Enhancing Skill for Enterprise Scale Application Development ((ES)<sup>2</sup>AD-2019)**”, 07 June - 04 July 2019 at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Allahabad – 211 004.
5. [**Coordinator**] “**Learning Python Applications Development in Industrial Applications (LPADIP-2019)**”, 10 June - 05 July, 2019, at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Allahabad – 211 004.
6. [**Coordinator**] “**Learning Python Applications Development in Industrial Applications (LPADIP-2018)**”, 11 June - 06 July, 2018, at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Allahabad – 211 004.
7. [**Coordinator**] “**Current Trends in Cyber Crime and Security (CTCCS-2018)**”, 27 January - 31 January, 2018, at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Allahabad – 211 004.
8. [**Coordinator**] A self- financed summer training program on “**Enhancing Skill for Enterprise Scale Application Development ((ES)<sup>2</sup>AD-2018)**”, 07 June - 04 July 2018 at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Allahabad – 211 004.
9. [**Coordinator**] “**Workshop on Network Simulation (WNS-2017)**”, 8 July - 12 July, 2017, at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Allahabad – 211 004.
10. [**Coordinator**] A self- financed summer training program on “**Enhancing Skill for Enterprise Scale Application Development ((ES)<sup>2</sup>AD-2017)**”, 09 June - 06 July 2017 at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Allahabad – 211 004.
11. [**Coordinator**] “**Workshop on Network Simulation (WNS-2016)**”, 28 September - 02



October, 2016, at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Allahabad – 211 004.

12. **[Chairman & Coordinator]** A self- financed summer training program on “**Enhancing Skill for Enterprise Scale Application Development ((ES)<sup>2</sup>AD-2016**”, 20 June - 16 July 2016 at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Allahabad – 211 004.
13. **[Chairman]** A self- financed summer training program on “**Emerging trends in Computer Science (ETCS-2016)**”, 13 June - 9 July 2016 at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Allahabad – 211 004.
14. **[Coordinator]** “**Centralized Counselling for M.Tech/M.Arch/M.Plan CCMT-2016**”, coordinated by NIT Suratkal
15. **[Chairman & Coordinator]**“**A Workshop on Information Security Research Issues and Challenges (WISRIC-2016)**”, 17March –21 March2016, at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Allahabad – 211 004.
16. **[Chairman & Coordinator]**“**A Hindi Workshop**”, on 30 September 2015 at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Allahabad – 211 004.
17. **[Chairman & Coordinator]** “**SURAKSHA 2015 – A Workshop on IT Security**”, 19 August - 23 August2015, at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Allahabad – 211 004.
18. **[Chairman]** A self- financed summer training program on “**Emerging trends in Computer Science (ETCS-2015)**”, 8 June - 5 July 2015 at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Allahabad – 211 004.
19. **[Chairman]** A TEQIP-I I Sponsored WORKSHOP on “**Nature Inspired Algorithms and its Application in Software Engineering (NIASE 2014)**”, 7-11 Oct. 2014 at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology, Allahabad – 211 004.
20. **[Chairman & Coordinator]** **REVIEW AND UPDATE THE CURRICULUM OF PG COURSES AND MAPPING WITH MISSION AND VISION (WRUCPG-2014)** on September 29, 2014.
21. **[Chairman]** 2- Day Workshop On “**NMEICT Awareness**”, Date: August 29th to August 30th, 2014 **Sponsored by Department of Higher Education Ministry of Human Resource Development (MHRD), Govt. Of India.**
22. **[Chairman]** A TEQIP-II sponsored *Short-Term Course* On “**MATLAB and LaTeX: Simulation with Documentation (SIMDOC-2014)**”, **Date: 30th June, 2014 – 5th July, 2014**
23. **[Coordinator]** A TEQIP-II Sponsored Workshop on “**Information Security and Computer Forensics (WISCF-2014)**”, 23-28 June 2014 at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology, Allahabad – 211 004.

24. [**Coordinator**] Faculty Development Programme on “**Curriculum Enhancement in Design of Embedded Systems and its Applications** “ 16-27 June 2008 at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology, Allahabad – 211 004.

### CONFERENCES SESSION CHAIRED: No. 05

Sr. No.	Name of Chair	Name of Agencies/Departments involved	Period of Holding the Chair
01	International Conference on Networks and Cryptology (NetCrypt-2020)	Jawaharlal Nehru University, New Delhi- 110067, Delhi, India	December 04, 2020
02	International Conference on Networks and Cryptology (NetCrypt-2019)	Jawaharlal Nehru University, New Delhi- 110067, Delhi, India	June 14, 2019
03	6 <sup>th</sup> International Conference on Computer and Communication Technology (I.C.C.C.T.-2015)	M.N.N.I.T. Allahabad, Prayagraj – 211 004, Uttar Pradesh, India	September 25- 27, 2015
04	9 <sup>th</sup> International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness (Qshine -2013)	Gautam Buddha University, Greater Noida- 201308, Uttar Pradesh, India	January 11-12, 2013
05	2 <sup>nd</sup> International Conference on Computer Communication Technology(I.C.C.C.T.-2011) on Computer Graphics and Multimedia	M.N.N.I.T. Allahabad Prayagraj-211004, Uttar Pradesh, India	September 16, 2011

## **MEMBER AS AN ADVISORY BOARD/ ORGANIZING BOARD [INTERNATIONAL AND NATIONAL]: No.16**

1. Advisory Committee for Information Technology, on 20th November, 2020 at Council of Science and Technology, U. P. (Department of Science & Technology, Govt. of U.P.)
2. 4th International conference on Soft Computing: Theories and Applications dated 27-29 December 2019 at NIT Patna member in Program Committee
3. 4<sup>th</sup> International Conference on Information System & Computer Networks, ISCON 2019, GLA University Mathura, 21-22 Nov, 2019
4. VCAS 2019: Second International Conference on VLSI, Communication and Signal Processing Department of Electronics and Communication Engineering, MNNIT Allahabad Allahabad, India, October 21-23, 2019 member in Advisory Committee
5. ICAEEC-2019: International Conference on “Advances in Electronics, Electrical & Computational Intelligence” Indian Institute of Information Technology, Allahabad Prayagraj, India, May 3-4, 2019 member in National Advisory Committee
6. MISIP 2019- International Conference On Machine Intelligence And Signal Processing September 7-10, 2019 at IIIT ALLAHABAD, INDIA member in Program Committee
7. UPCON-2018 5th IEEE Uttar Pradesh Section International Conference 2-4 Nov 2018 MMMUT GORAKHPUR,UP member in International Advisory Committee
8. ICACSE 2019 2nd International Conference on Advance Computing and Software Engineering (Fri-Sat) February 8-9, 2019 [www.icacse2019.com](http://www.icacse2019.com) Organized by: Department of Computer Science & Engineering, Kamla Nehru Institute Of Technology, Sultanpur Member in National Advisory & Technical Committee
9. 2nd International Conference on Communication and Computing Systems (Dec 01-02, 2018) at Dronacharya College of Engineering, Gurgaon, India, Member in Advisory Committee
10. First International Conference On Secure Cyber Computing And Communications December 15-17, 2018 Department of Computer Science & Engineering Dr B R Ambedkar National Institute of Technology, Jalandhar (Punjab) India member in national Advisory committee
11. Recent Advances in Engineering, Technology and Computational Sciences-2018 (RAETCS-2018) 6 - 8 February, 2018 Shepherd Institute of Engineering & Technology Sam Higginbottom University of Agriculture, Technology & Sciences Allahabad-211007, Uttar-Pradesh, India member in National Advisory Committee
12. 4<sup>th</sup> International Conference on Electrical, Computer and Electronic (UPCON-2017), GLA University Mathura, 26-28 Oct, 2017

13. 3<sup>rd</sup> International Conference on Electrical, Computer and Electronic (UPCON-2016),09-11 Dec, 2016 organized by Computer Science and Engineering Department IIT BHU Varanasi.
14. 3<sup>rd</sup> International Conference on Computing for Sustainable Global Development (INDIACom-2016) organized by BVICAM New Delhi.
15. International Conference on “Power, Control, Communication and Computational Technology for Sustainable Growth”(PCCCTS-2015), 11-12 Dec, 2015 at Kurnool Andhra Pradesh.
16. 5<sup>th</sup> International conference on computer and Communication technology (ICCCT-2014), 26 – 28 Sep.2014 organized by Computer Science and Engineering Department M.N.N.I.T., Allahabad (U.P.), INDIA, Technical Sponsor – IEEE Communication Society

## **MEMBER IN TECHNICAL COMMITTEE IN CONFERENCES: No. 12**

1. 11<sup>th</sup> International Conference on Cloud Computing, Data Science & Engineering-2021, Amity University Noida, UP India.
2. 10<sup>th</sup> International Conference on Cloud Computing, Data Science & Engineering-2020 on date 29<sup>th</sup> – 31<sup>th</sup> January 2020, Amity University Noida, UP India.
3. TEQIP-III Sponsored First International Conference on Secure Reconfigurable Architectures & Intelligent Computing (SRAIC) 28-30 November, 2019 organized by NIT Trichy Member in Technical Committee
4. 2019 IEEE 9th International Advance Computing Conference M.A.M. COLLEGE OF ENGINEERING AND TECHNOLOGY (Approved by AICTE & Affiliated to Anna University Chennai) member in Technical Program Committee
5. 4th IEEE International Conference on Information Systems and Computer Networks ISCON 2019 member in Technical Program Committee
6. ICACSE 2019 2nd International Conference on Advance Computing and Software Engineering (Fri-Sat) February 8-9, 2019 [www.icacse2019.com](http://www.icacse2019.com) Organized by: Department of Computer Science & Engineering, KAMLA NEHRU INSTITUTE OF TECHNOLOGY, SULTANPUR Member in NATIONAL ADVISORY & TECHNICAL COMMITTEE
7. International Conference on Intelligent System: Approaches, Technologies and Network on date March 29, 2019 at Panipat Institute of Engineering & Technology, member in Technical Programme Committee
8. 9<sup>th</sup> International Conference on Cloud Computing, Data Science & Engineering-2019 on date 10<sup>th</sup> -11<sup>th</sup> January 2019, Amity University Noida, UP India.
9. Incite 2016 : 2016 International Conference on Information Technology (InCITe) - The Next Generation IT Summit on the Theme - Internet of Things: Connect your Worlds 06-07 October 2016 at Amity University Noida member in TECHNICAL COMMITTEE
10. 2014 5th International Conference - Confluence The Next Generation Information Technology Summit (Confluence) 25-26 September 2014 at Amity University Noida member in TECHNICAL COMMITTEE
11. Third International Conference On Electronics, Communication, Computer Technologies and Optimization Techniques (ICECCOT-2018) 14 - 15 December 2018 GSSS Institute of Engineering & Technology for Women, member in TECHNICAL COMMITTEE

12. UPCON2017: 4th IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics GLA University, 17Km. Stone,NH-2,Delhi-Mathura Road, Mathura, India, October 26-28, 2017 member in TECHNICAL COMMITTEE

## INVITED/EXPERT LECTURES: No. 18

Sl. No.	Nature of Activity	Activity Details
01	Expert Talk	Wireless Network Security on dated 26/11/2020 in the online FDP on “CYBER SECURITY” organized by School of Computer and Systems Sciences, Jawaharlal Nehru University, New Delhi in association with AICTE Training And Learning (ATAL) Academy.
02	Expert Talk	Role of Social Media in Cyber Security on 25-11-2020 in the AICTE Sponsored FDP on “CYBER CRIME & SECURITY” organized by Department of Information Technology, College of Technology, G. B. Pant University of Agriculture & Technology, Pantnagar, Uttarakhand (India).
03	Expert Talk	Information Security Issues & Challenges on 17-11-2020 in on line FDP on “Information Security: Issues and Challenges -2020 ( ISIC-2020)”, Sponsored by ISEA-II, November 17 - 21, 2020 via online mode at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211 004
04	Expert Talk	Role of Social Media in Cyber Security on 07-10-2020 in the AICTE Sponsored FDP on “CYBER CRIME & SECURITY” organized by Department of Information Technology, College of Technology, G. B. Pant University of Agriculture & Technology, Pantnagar, Uttarakhand (India).
05	Expert Talk	Roles and Responsibilities of Government and Citizens in COVID-19 Pandemic on date 02-08-2020, in FDP on “Safety Aware Peaceful life in COVID-2019 (SAPLC-2020)”, Self financed, July-28 – 02 August 2020 via online mode at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211 004.
06	Expert Talk	Personality Development: An Computer Science Approach on date 30-07-2020, in FDP on “Safety Aware Peaceful life in COVID-2019 (SAPLC-2020)”, Self financed, July-28 – 02 August 2020 via online mode at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211 004.
07	Expert Talk	Relaxed Life in Covid-19 Pandemic: A Scientific Approach on date 28-07-2020, in FDP on “Safety Aware Peaceful life in COVID-2019 (SAPLC-2020)”, Self financed, July-28 – 02 August 2020 via online mode at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211 004.
08	Expert Talk	Wireless Network Security on dated 28/05/2020 in the online FDP on “CYBER SECURITY” organized by School of Computer and Systems Sciences, Jawaharlal Nehru University, New Delhi in association with AICTE Training And Learning (ATAL) Academy.
09	Expert Talk	Information Security Issues & Challenges on 26-05-2020 in on line FDP on Information Security & Privacy-2020 ( ISP-2020)”, Sponsored by ISEA-II, May 26 - 30, 2020 via online mode at Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211 004.
10	Expert Talk	THROUGH COVID-19 PANDEMIC: A SCIENTIFIC APPROACH on

		19-06-2020 in INTERNATIONAL WEBINAR ON “PEACEFUL LIFE IN POST COVID – 19 ERA: RESILIENCE FROM BIOPHYSICS, ELECTRONICS AND COMPUTER APPLICATIONS” at Ewing Christian College Allahabad, India
11	Expert Talk	Personality Development: A Scientific Approach on dated 01/06/2019 at C.S.E.D., National Institute of Technology Hamirpur-176005, Himachal Pradesh, India
12	Expert Talk	Thought Creates destiny: A Computer Science Approach on Dated 13/09/2017 at C.S.E.D., National Institute of Technology Raipur-492010, Chhattisgarh, India
13	Expert Talk	Real Time Systems: Issues and Challenges on Dated 20/07/2017 at C.S.E.D., Dr. B. R. Ambedkar National Institute of Technology Jalandhar-144011, Punjab, India
14	Expert Talk	Introduction of Mobile Ad-hoc Network and its Application on Dated 08/07/2017 in Workshop on Network Simulation, Organized by C.S.E.D., M.N.N.I.T. Allahabad, Prayagraj-211004, Uttar Pradesh, India
15	Expert Talk	Thought Creates destiny: A Computer Science Approach on Dated 13/07/2016 in Enhancing Skill for Enterprise Scale Application Development Organized by C.S.E.D., M.N.N.I.T. Allahabad, Prayagraj-211004, Uttar Pradesh, India
16	Expert Talk	Thought Creates destiny: A Computer Science Approach on dated 07/07/2016 in A Self-financed Summer Training Program on “Emerging Trends in Computer Science Organized by C.S.E.D., M.N.N.I.T. Allahabad, Prayagraj-211004, Uttar Pradesh, India
17	Expert Talk	Embedded System Design: A Unified Hardware and Software Introduction on dated 01/07/2014 in A Short Term Course on MATLAB and LaTeX: Simulation with Documentation, Organized by C.S.E.D., M.N.N.I.T. Allahabad Prayagraj-211004, Uttar Pradesh, India
18	Expert Talk	Advanced Data Structure and Algorithms Subject Taught for M. Tech. Student in Even Semester 2012-13 at Atal Bihari Vajapai Indian Institute of Information Technology and Management, Gwalior- 474015, Madhya Pradesh, India



**TRAINING / WORKSHOPS/ CONFERENCES ATTENDED: No. 06**

Sr. No.	Course Title
01	Industry Interaction and Training Program at Tata Consultancy Services, Montevideo Uruguay from 07.02.2008 to 29.02.2008
02	A Workshop on “CIRCUIT SIMULATION USING SPICE AND VHDL”, Held at MNNIT, Allahabad, From April 8, 2006 to April 10, 2006.
03	“HUMAN VALUES AND PROFESSIONAL ETHICS” Held at QIP centre, IIT, Roorkee, From March 18, 2002 to March 22, 2002.
04	“EFFECTIVE TEACHER”, Held at QIP centre, IIT, Roorkee, From January 13, 2002 to January 19, 2002.
05	A Workshop on “PARALLEL COMPUTING-ALGORITHMS AND APPLICATIONS (PCCA-99)” Held at C-DAC, Pune, From June 21, 1999 to June 25, 1999.
06	A Course On “FUZZY NEURO SYSTEMS AND THEIR APPLICATIONS”, held at IIT, Kanpur, from September7, 1997 to September 11,1997.

**DETAILS OF KEYNOTE SPEAKER IN NATIONAL/ INTERNATIONAL:  
No. 04**

<b>Sr. No.</b>	<b>Conference</b>	<b>Topic of Keynote/ Session Chair</b>
01	International Conference on Networks and Cryptology (NetCrypt-2020), 04-12-2020 at Jawaharlal Nehru University, New Delhi-110067, Delhi, India.	Keynote on Security Issues in Real Time Systems
02	International Conference on Networks and Cryptology (NetCrypt-2019), 14-06-2019 at Jawaharlal Nehru University, New Delhi-110067, Delhi, India.	Keynote on Network Security: An Overview
03	National Workshop on Image Processing and Computer Vision Application, Sponsored by TEQIP-III, 05-03-2019 and Organized by Rajkiya Engineering College, Ambedkar Nagar-224122, Uttar Pradesh, India	Keynote on Image Processing and Computer Vision: An Overview.
04	9 <sup>th</sup> International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness (Qshine-2013) on January 11-12, 2013 at Gautam Buddha University, Greater Noida-201308, Uttar Pradesh, India.	Keynote on Emerging Trends in Secure Real-time Systems

## DETAILS OF PH.D THESIS EVALUATED/ VIVA CONDUCTED: No. 40

Sr. No.	Thesis details	Remark
01	Surface Invariant Coordinates Based Machine Learning Approach for Protein Classification, by Mr. Satpute Babasaheb S., Vaugh Institute of Agricultural Engineering & Technology, Sam Higginbottom University of Agriculture, Technology & Sciences Prayagraj (ALLAHABAD – 211 007), U.P., India , December, 2020	Evaluated and Conducted Viva
02	Secure and Energy Aware Mechanism for Internet of Things by Mr. Subrata Sahana, Jawaharlal Nehru University, New Delhi-110067, Delhi, India, December 2020.	Evaluated and Conducted Viva
03	QoS-Aware Energy-Efficient Resource Provisioning and Scheduling in Cloud Computing Environment by Ms. Anita Chaudhary, Malviya National Institute of Technology, Jaipur, Rajasthan, India, September 2020	Evaluated and Conducted Viva
04	Machine learning for Rainfall-runoff Modeling using Optimization Techniques by Mr. Bishwajit Roy, National Institute of Technology, Patna, Bihar, India	Evaluated
05	Development of Computer Aided Diagnosis Systems for Renal Lesions in CT Images by Ms. Ravinder Kaur, University Institute of Engineering & technology, Punjab university, Chandigarh, India, September, 2020	Evaluated and Conducted Viva
06	Analysis Of Handwritten English Characters Recognition Using Machine Learning Approaches by Mr. Atma Praksh Singh, Maharishi University of Information Technology, Lucknow, Uttar Pradesh, Inidia, 2020.	Evaluated
07	Resolving Conflict amongst Distributed Real time Transactions By Mr. Sarvesh Pandey, Madan Mohan Malviya University Of technology, Gorakhpur, Uttar Pradesh, India, June 2020	Evaluated and Conducted Viva
08	Machine learning for Rainfall-runoff Modeling using Optimization Techniques by Ms. Neha, National Institute of Technology, Patna, Bihar, India, February 2020	Evaluated and Conducted Viva
09	Development and Analysis of Steganographic Techniques with Non Linear Extensions by Ms. Srilekha Mukherjee, National Institute of Technology, Durga Pur, West Bengal, August 2020.	Evaluated and Conducted Viva
10	Study of Similarity Measures in Collaborative Recommendations by Mr. Vijay Verma, National Institute of Technology Kurukshtra-136119,	Evaluated and

	Haryana, November 2019.	Conducted Viva
11	Issues and Challenges in Management of Cyber Crimes: An Empirical Analysis of Perception of Stakeholders by Mr. Dinesh Yadav, Amity International Business School, Noida Amity University Noida- 201313, Uttar Pradesh, India, September 2019.	Evaluated
12	Energy Efficient Image Processing and Transmission for Wireless Multimedia Sensor Network by Mr. Addisalem Genta, Jawaharlal Nehru University, New Delhi-110067, Delhi, India, July 2019.	Evaluated
13	Secure and Energy Aware Mechanism for Internet of Things by Mr. Ahmed Mohamed Aziz Ismail, Jawaharlal Nehru University, New Delhi-110067, Delhi, India, May 2019.	Evaluated and Conducted Viva
14	Multi-objective Optimal Routing with Security in Mobile Ad-hoc Networks by Ms. Shashi Prabha, Sam Higginbottom University of Agriculture, Technology and Sciences, Naini, Allahabad- 211007, Uttar Pradesh, India, June 2019.	Evaluated and Conducted Viva
15	Effective Load Balancing in Underwater Sensor Networks (UWSNs) by Mr. Shashank Yadav, Banasthali Vidyapith Jaipur- 302001, Rajsthan, India, March 2019.	Evaluated
16	Development and Analysis of a Model for Gene Prediction using Soft Computing Techniques by Ms. Neelam Goyal, Punjab Engineering College Chandigarh- 160012, Punjab, India, November 2018.	Evaluated
17	Quality Aware Adaptive Live Video Streaming in Peer to Peer Networks by Mr. Kunwar Pal, Malaviya National Institute of Technology Jaipur- 302017, Rajsthan, India, July 2018	Evaluated
18	Coverage and Connectivity in Underwater Sensor Networks by Ms. Anvesha Katti, Jawaharlal Nehru University, New Delhi-110067, Delhi, India, June, 2018.	Evaluated and Conducted Viva
19	Ant Colony Optimization Based Routing for Vehicular Ad-hoc Network using Real Time Traffic Information by Mohammad Arif Integral University Lucknow- 226026, Uttar Pradesh, India, June, 2018	Evaluated
20	Locomotion Control of Bipedal Humanoid Robot using Analytical and Machine learning Approaches Mr. Manish Raj, Indian Institute of Information Technology Allahabad- 211015, Uttar Pradesh, India, February 2018	Evaluated
21	Performance Evaluation of VANET using Realistic Traffic by Ms. Nidhi, Jawaharlal Nehru University, New Delhi-110067, Delhi, India, December 2017	Evaluated and Conducted Viva

22	Enhanced Algorithms for Compressed Pattern Matching using Wavelet Tree and Bit by Mr. Surya Prakash Mishra, Sam Higginbottom University of Agriculture, Technology and Sciences, Naini, Allahabad-211007, Uttar Pradesh, India, December 2017	Evaluated and Conducted Viva
23	Improved Theory of Data Replication by Mr. Vinit Kumar, Dr. APJ Abdul Kalam Technical University Uttar Pradesh (AKTU), Lucknow-226031, Uttar Pradesh, India, November 2017	Evaluated and Conducted Viva
24	On Developing Classification and Thread Identification Models for E-mail and SMS Datasets by Ms Aakansha Sharaff , National Institute of Technology Raipur-492010, Chhattisgarh, India, September 2017	Evaluated and Conducted Viva
25	Congestion Control Through Cross Layer Approach with GPU Assistance By Mr. Jaideep Patel , Maulana Azad National Institute of Technology, Bhopal-462003, Madhya Pradesh, India, June 2017	Evaluated and Conducted Viva
25	Image Restoration using Bayesian Frame-Work By Mr. Anil Kumar Singh , UP Rajarshi Tandon Open University, Allahabad, Prayagraj-211013, Uttar Pradesh, India	Evaluated and Conducted Viva
27	Minimizing Energy Holes in Wireless Sensor Network by Ms. Rohini Sharma, Jawaharlal Nehru University, New Delhi-110067, Delhi, India, November, 2016	Evaluated
28	Optimization of Routing Protocols in Vehicular Adhoc Network by Mr. Anil Kumar Giri, Jawaharlal Nehru University, New Delhi-110067, Delhi, India, November, 2016	Evaluated
29	Multilingual Speech Recognition and Speaker Identification using Soft-Computing by Mr. Pankaj Kumar Mishra, Dr. C.V. Raman University Kargi Road, Kota, Bilaspur- 495113, Chhattisgarh, India, April 2016	Evaluated and Conducted Viva
30	Speaker Identification Based on Biometric Features Using Soft Computing Technique By Mr. Sanjay Kumar Dekate, Dr. C.V. Raman University Kargi Road, Kota, Bilaspur- 495113, Chhattisgarh, India, April, 2016	Evaluated and Conducted Viva
31	Cross Layer Concept Based Security Algorithm in Wireless Sensor Network by Mr. Sandeep Sharma, Gautam Buddha University, Greater Noida- 201308, Uttar Pradesh, India, February, 2016	Evaluated
32	Software Metrics Set for Object Oriented System By Mr. Chandra Shekhar Yadav, Dr. APJ Abdul Kalam Technical University Uttar Pradesh (AKTU), Lucknow-226031, Uttar Pradesh, India, December, 2015	Evaluated and Conducted Viva

33	Design and Development of an Image Based Search Engine for Plants at UP Rajarshi Tandon Open University, Allahabad, Prayagraj-211013, Uttar Pradesh, India	Evaluated and Conducted Viva
34	Improved Mobile Authentication Scheme by. Vishnu Shankar, Jawaharlal Nehru University, New Delhi-110067, Delhi, India, Sept, 2015	Evaluated
35	Building Up of A Threat Free High Performance Ad Hoc Network by Mr. Abdul Gafur M, Jawaharlal Nehru Technological University Hyderabad- 500085, Telangana, India, June, 2015	Evaluated
36	Supervised and Unsupervised Algorithm for Automatic Topic Identification by Mr. Abhishek Singh Rathore, Maulana Azad National Institute of Technology Bhopal- 462003, Madhya Pradesh, India, December, 2014	Evaluated and Conducted Viva
37	An Effective Web Search Personalization Through Semantic Focused Crawler by Mr. Jaytrilok Chaudhary, Maulana Azad National Institute of Technology Bhopal- 462003, Madhya Pradesh, India,.	Evaluated and Conducted Viva
38	Analysis and Development of ECG Compression Techniques by Ms. Vibha Agrawal, University College of Engineering, Punjabi University Patiala- 147002, Panjab, India, November, 2012	Evaluated
39	Improving Capacity in Cellular Mobile Network Through Hybrid Channel Allocation by Mr. Maninder Singh Kamboj, University College of Engineering, Punjabi University Patiala- 147002, Panjab, India, November, 2011	Evaluated
40	Development of a Low Cost Wimax System With Improved Performance by Mr. Charanjit Singh, University College of Engineering, Punjabi University Patiala- 147002, Panjab, India, September, 2011	Evaluated

## DETAILS OF PAPERS REVIEWED: No. 11

Sr. No.	Conference/ Journal/Transaction	Paper Title
1	TPDS-2017-06-0354 in IEEE Transactions on Parallel and Distributed Systems on 11-Sep-2017.	Effective Critical Path Scheduling: A Heuristic Technique to Schedule Precedence Constrained Tasks on Multiprocessors
2	ICCCT-2017, CSED, M.N.N.I.T. Allahabad, Allahabad, U.P., INDIA	Component-based Self-healing Algorithm with Dynamic Range Allocation for Fault-tolerance in WSN
3	ICCCT-2017, CSED, M.N.N.I.T. Allahabad, Allahabad, U.P., INDIA	Optimal Design of Wireless Sensor Network Topology Structure Based on Smart Home
4	IDEA-2k17, Rajiv Gandhi Proudlyogiki Vishwavidyalaya and Sagar Institute of Research and Technology, Bhopal, MP, INDIA	Enhanced and Secure Acknowledgement IDS in Mobile Adhoc Network by Hybrid Cryptography Technique
5	IDEA-2k17, Rajiv Gandhi Proudlyogiki Vishwavidyalaya and Sagar Institute of Research and Technology, Bhopal, MP, INDIA	Obstacle Detection for Auto Driving Using Convolutional Neural Network
6	IDEA-2k17, Rajiv Gandhi Proudlyogiki Vishwavidyalaya and Sagar Institute of Research and Technology, Bhopal, MP, INDIA	An Appearance Based Gender Classification Using Radon Features
7	IDEA-2k17, Rajiv Gandhi Proudlyogiki Vishwavidyalaya and Sagar Institute of Research and Technology, Bhopal, MP, INDIA	IOT Based Facial Recognition Door access control System
8	IDEA-2k17, Rajiv Gandhi Proudlyogiki Vishwavidyalaya and Sagar Institute of Research and Technology, Bhopal, MP, INDIA	Association Rule Mining in Collaborative Privacy-Preserving Manner for Outsourced Data
9	IDEA-2k17, Rajiv Gandhi Proudlyogiki Vishwavidyalaya and Sagar Institute of Research and Technology, Bhopal, MP, INDIA	Building and Tree Detection by Fusing LiDAR and Aerial Images for Urban Development Planning
10	IDEA-2k17, Rajiv Gandhi Proudlyogiki Vishwavidyalaya and Sagar Institute of Research and Technology, Bhopal, MP, INDIA	NB tree based Intrusion detection technique using Rough set theory model

11	ICCI-2017 (International Conference on Computational Intelligence: Theories, Applications and Future Directions), December 6th - 8th, 2017, Indian Institute of Technology Kanpur, India	Data and Control Dependency for Fault Detection in SOA using Colored Petri Nets (paper ID 136)
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## DETAILS OF OTHER ACADEMIC ACTIVITIES: No. 21

Sr. No.	Nature of Activity	Activity Title	Department / Institute	Period		Sponsoring Agency (if any)
				From	To	
01	Member	Selection Committee for Recruitment for the Post of faculty on Contract	I.I.I.T. Pune, Maharashtra, India	13/06/2020	13/10/2020	I.I.I.T. Allahabad, Prayagraj-211015, Uttar Pradesh, India
02	Member	Selection Committee for Recruitment for the Post of Faculty	I.I.I.T. Allahabad, Prayagraj-211015, Uttar Pradesh, India	20/10/2020	21/10/2020	I.I.I.T. Allahabad, Prayagraj-211015, Uttar Pradesh, India
03	Member	Selection Committee for Recruitment for the Post of Medical Officer on Contract	I.I.I.T. Allahabad, Prayagraj-211015, Uttar Pradesh, India	08/12/2019	08/12/2019	I.I.I.T. Allahabad, Prayagraj-211015, Uttar Pradesh, India
04	Member	Selection Committee for Recruitment of Associate Professor and Assistant Professor	Indian Institute of Information Technology, Pune- 411048, Maharashtra, India	09/11/2019	10/11/2019	Indian Institute of Information Technology, Pune- 411048, Maharashtra, India
05	Member	Selection Committee for Recruitment of Associate Professor and Assistant Professor	Indian Institute of Information Technology (I.I.I.T.), Allahabad, Prayagraj-211015, Uttar Pradesh, India	29/08/2019	29/08/2019	Indian Institute of Information Technology (I.I.I.T.) Allahabad, Prayagraj-211015, Uttar Pradesh, India
06	Member	Selection Committee for Recruitment of Faculty Position of the I.T. Department	I.I.I.T. Allahabad, Prayagraj-211015, Uttar Pradesh, India	29/06/2019	29/06/2019	I.I.I.T. Allahabad, Prayagraj-211015, Uttar Pradesh, India
07	Expert Member	Selection Committee for Recruitment of Professor and	Indian Institute of Information Technology, Pune- 411048,	12/06/2019	13/06/2019	Indian Institute of Information Technology, Pune- 411048,

		Assistant Professor	Maharashtra, India			Maharashtra, India
08	Member	Selection Committee for Recruitment for the Post of Medical Officer on Contract	I.I.T. Allahabad, Prayagraj-211015, Uttar Pradesh, India	08/06/2019	08/06/2019	I.I.T. Allahabad, Prayagraj-211015, Uttar Pradesh, India
09	Member	Selection Committee for Recruitment for the Post of Junior Assistant	Indian Institute of Information Technology, Lucknow-226002, Uttar Pradesh, India	01/02/2019	01/02/2019	Indian Institute of Information Technology, Lucknow-226002, Uttar Pradesh, India
10	Member	Selection Committee for Recruitment of Junior Technician for I.I.T. Lucknow	I.I.T. Allahabad, Prayagraj-211015, Uttar Pradesh, India	11/10/2018	11/10/2018	I.I.T. Allahabad, Prayagraj-211015, Uttar Pradesh, India
11	Member	Selection Committee for Recruitment of Associate Professor and Professor	I.I.T. Allahabad, Prayagraj-211015, Uttar Pradesh, India	26/11/2018	26/11/2018	I.I.T. Allahabad, Prayagraj-211015, Uttar Pradesh, India
12	Member	Selection Committee for Recruitment of Assistant Professor on Contract Basis	National Institute of Technology, New Delhi-110040, Delhi, India	20/07/2018	20/07/2018	National Institute of Technology New Delhi-110040, Delhi, India
13	Member	Selection Committee for Recruitment of Assistant Professor on Contract Basis	C.S.E.D., Dr. B. R. Ambedkar National Institute of Technology, Jalandhar-144011, Punjab, India	11/07/2017	11/07/2017	Dr. B. R. Ambedkar National Institute of Technology Jalandhar-144011, Punjab, India
14	Member	Selection Committee for Recruitment of Faculty	I.I.T. Allahabad, Prayagraj-211015, Uttar Pradesh, India	18/05/2017	18/05/2017	I.I.T. Allahabad, Prayagraj-211015, Uttar Pradesh, India
15	Member	Selection Committee for Recruitment of Medical	I.I.T. Allahabad, Prayagraj-211015, Uttar	03/01/2017	03/01/2017	I.I.T. Allahabad, Prayagraj-211015, Uttar

		Officer on Contract Basis	Pradesh, India			Pradesh, India
16	Member	Selection Committee Contractual Guest Faculty	Rajkiya Engineering College Banda-210201, Uttar Pradesh, India	19/01/2016	19/01/2016	Rajkiya Engineering College Banda-210201, Uttar Pradesh, India
17	Member	Selection Committee Non-Teaching Post	I.I.I.T. Allahabad, Prayagraj-211015, Uttar Pradesh, India	07/01/2016	09/01/2016.	I.I.I.T. Allahabad, Prayagraj-211015, Uttar Pradesh, India
18	Member	Selection Committee for Various Teaching Position Under Career Advancement Scheme	Kamla Nehru Institute of Technology Sultanpur-228118, Uttar Pradesh, India	11/07/2015	11/07/2015	Kamla Nehru Institute of Technology Sultanpur-228118, , Uttar Pradesh, India
19	Subject Expert Member	Selection Committee for Various Teaching Position Under Career Advancement Scheme	Madan Mohan Malaviya University Of Technology, Gorakhpur-273016, Uttar Pradesh, India	04/06/2016	04/06/2016	Madan Mohan Malaviya University Of Technology, Gorakhpur-273016, Uttar Pradesh, India
20	Subject Expert Member	Selection Committee Constitute for Carrying out the Selection for Contractual Guest faculty	Madan Mohan Malaviya University Of Technology, Gorakhpur-273016, Uttar Pradesh, India	02/07/2015	02/07/2015	Madan Mohan Malaviya University Of Technology, Gorakhpur-273016, Uttar Pradesh, India
21	Subject Expert Member	Selection Committee for Various Teaching Position Under Career Advancement Scheme	Madan Mohan Malaviya University Of Technology, Gorakhpur-273016, Uttar Pradesh, India	13/12/2014	13/12/2014	Madan Mohan Malaviya University Of Technology, Gorakhpur-273016, Uttar Pradesh, India

**OTHERS ACADEMIC ACTIVITIES (Ph. D. Paper Setter/BOG/ RDC/BOS etc.): No. 21**

<b>Sr. No.</b>	<b>Name of Committee along with Organization Name</b>	<b>Responsibility</b>
01	Attend the Advisory Committee for Information Technology, on 20th November, 2020 at Council of Science and Technology, U. P. (Department of Science & Technology, Govt. of U.P.)	Member
02	Attended the Board of Governors meeting at Rajkiya Engineering college Ambedkar Nagar on 18-09-2019	Member
03	Attended the Board of Governors meeting at Rajkiya Engineering college Ambedkar Nagar on 15-06-2020	Member
04	Attended DRC Meeting of PhD Scholar at Department of Information Technology, M. M. M. University of Technology Gorakhpur on 19-12-2019.	Member
05	Attended the Board of Governors meeting at Rajkiya Engineering college Ambedkar Nagar on 10-12-2019	Member
06	Attend the Advisory Committee/Governing Body of the Institute of Professional Studies at Institute of Professional Studies, University of Allahabad on 22-11-2018.	Member
07	Attended RDC Meeting at Rajarshi Tandon Open University Allahabad in 22-11-2018.	Member
08	Attended Curriculum Development Workshop at M. M. M. University of Technology Gorakhpur on 27-10- 2018.	Expert
09	Prepared Question Paper for PhD Admission (Session January-2018 AY: 2017-18) at Dr. B.R. Ambedkar National Institute of Technology Jalandhar.	Paper Setter
10	Prepared Question Paper for PhD Admission (Session July-2018 AY:	Paper Setter

	2018-19) at Dr. B.R. Ambedkar National Institute of Technology Jalandhar.	
11	Attend the Advisory Committee/Governing Body of the Institute of Professional Studies at Institute of Professional Studies, University of Allahabad on 10-07-2018.	Member
12	Attended Meeting of Annual Review of the staff at the centre of computer education and Training at Institute of Professional Studies, University of Allahabad on 26-08-2017.	Member
13	Attended DRC Meeting of PhD Scholar Sri. Prakash Kumar Singh at M. M. University of Technology Gorakhpur on 05-08- 2017.	External Member
14	Attended Meeting of Academic Council of the Institute at Kamla Nehru Institute of Technology Sultanpur on 30-03-2017.	Member
15	Attend the Advisory Committee/Governing Body of the Institute of Professional Studies at Institute of Professional Studies, University of Allahabad on 25-05-2017.	Member
16	Study Board of Computer Application and Computer Engineering at Rajarshi Tandon Open University Allahabad in 04-04-2016.	Member
17	Recruitment of lecturer (CS) for Dept. of higher education at Public Service Commission, Allahabad (U.P), Sept 2015 with reference letter Semi. Gov. P.S.-S/1-5/Pra.Ra/2015.	Expert member of Interview Panel
18	Regarding the post of asst. statistical officer's eligibility criteria's at Public Service Commission, Allahabad (U.P) April 2015, with reference letter 62/01/D.R./S-7/2014-15.	Expert Advisor
19	Formation of council for Engineering and Technology Unit at Rama University Kanpur, Uttar Pradesh 209217, with reference letter 134/R.U.K./Registart/2015.	Expert Member
20	Technical Advisory board of "Emerging Trends in Computer Science and its Application" at Rustamji Institute of Technology BSF Academy, Tekanpur in 2015	Member
21	Recruitment of lecturer (I.T) for Dept. of polytechnic education at Public Service Commission, Allahabad (U.P), Sept 2015 with reference letter Semi. Govt. P.S.-S.no./1-11/Poly/2013	Expert member of Interview Panel