

## Dr. MANOJ MADHAVA GORE

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Professor

Department of Computer Science & Engineering  
Department Building, First Floor  
Motilal Nehru National Institute of Technology  
Allahabad-211004, India

### Contact

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### Teaching

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#### **Courses Taught:**

#### **Current Courses:**

- (CS1701) Distributed Systems
- (CS1751) Distributed Systems Lab
- (CS1702 & CA3503) Professional Ethics (Course Coordinator)

#### **Past Courses:**

- (CA3205) Technical Writing
- (CS2251) Network Programming and LAMP Stack Lab (CS, SW, & IS)
- (CSCS1301) Data Structure (CS & IT)

- (CS1352) Data Structure Lab (Course Coordinator)

## Biography:

## Education

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### Undergraduate

- B.Sc : University of Allahabad(Ewing Christian College) in 1985.
- B.Tech (Electronics and Telecommunication): University of Allahabad(J.K. Institute Of Applied Physics & Technology) in 1989.

### Postgraduate

- M.E(Computer Sc.& Engg.): University of Allahabad(M.N.R. Engineering College) in 1991.
- Ph.D : IIT, Kanpur in 2002.

## Appointments Held

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- Working as **Professor**, Computer Science and Engineering Department, Motilal Nehru National Institute of Technology, Allahabad Since June 2005.
- Worked as a Reader in Computer Science and Engineering Department from March 1999 to June 2005, and as lecturer in Department of Electronics & Communication Engineering from January 1991 to March 1999.

## Visiting Appointments:

- Worked as Associate Professor at IIIT Allahabad for one academic year from July 2003 to June 2004.

## Others

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Role & Responsibility:

Achievements:

Awards:

**Best Paper Award for Dset: A Semantic Distance Measure** with Reena Srivastava. *In the proceedings of the Third International Conference on Information Processing (ICIP 2009) ISBN 978-93-80026-72-5, pp 419-428, Bangalore, India, 7-9 August 2009.*

## Area of Research Interest

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The areas of my research interest include:

- Databases.
- Transaction Processing & Recovery Issues.
- Mobile Computing, Wireless Networks.
- Software Engineering.

## Publications

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Journal Papers:

1. Sansar Singh Chauhan and M M Gore, Balancing Energy Consumption Across Network for Maximizing Lifetime in Cluster-based Wireless Sensor Network In the CSI Transactions on ICT, DOI 10.1007/s40012-015-0074-8, Received: 13 October 2014 / Accepted: 25 December 2015, CSI Publications 2016
2. Structured P2P Overlay of Mobile Brokers for Realizing Publish/Subscribe Communication in VANET with Tulika Pandey and Deepak Garg, in the ScientificWorld Journal, Hindawi Publishing Corporation, Volume 2014, Article ID 136365, January 2014, <http://dx.doi.org/10.1155/2014/136365>
3. Publish/subscribe based information dissemination over VANET utilizing DHT with Tulika Pandey and Deepak Garg. In International Journal of Frontiers of Computer Science, December 2012, Volume 6, Issue 6, pp 713-724, DOI 10.1007/s11704-012-1154-7.
4. BiRange: An Efficient Framework for Biclustering of Gene Expression Data Using Range Bipartite Graph with Suwendu Kanungo and Gadadhar Sahoo. American Journal of Bioinformatics Research, pp. 40-46, February 2012, 2(4), DOI: 10.5923/j.bioinformatics.20120204.02.
5. BiCross: A Biclustering Technique for Gene Expression Data using One Layer Fixed Weighted Bipartite Graph Crossing Minimization with Suwendu Kanungo and Gadadhar Sahoo. International Journal of Computer Applications 29(4):28-34, September 2011. Published by Foundation of Science, New York, USA, DOI 10.5120/3553-4880.
6. A Semantic Preserving Distance Measure: Dset with Reena Srivastava. *In International Journal of Information Processing, 4(1), 36-45, 2010, ISSN : 0973-8215, I K International Publishing House Pvt. Ltd., New Delhi, India.* This paper is an extended version of the paper **Dset: A Semantic Distance Measure** published in ICIP 2009.
7. Localization Scheme for Three Dimensional Wireless Sensor Networks Using GPS Enabled Mobile Sensor Nodes with Vibha Yadav, Manas Kumar Mishra and Anil Kumar Singh. *Presented in the First International Conference on Networks and Communication (NetCom-09), Chennai, India, 27-29 December 2009. And Published in International Journal of Next-Generation Networks (IJNGN), ISSN 0975-7252, vol. 1, no. 1, pp 60-72, December 2009.*
8. **An Experimental Study to Compare ER/EER and OO models** with S K Jain and Gulab Singh. *In International Journal of Computing Science and Communication Technologies (TECHNIA), ISSN -3375, vol. 2, no.1, pp 221-228, July 2009.*

9. Database for Moving Vehicles in Context of Indian Environment with S. K. Jain and B. D. Chaudhary, in *Journal of the CSI*, Vol. 30, No.3, September 2000, pp 38-47
10. **Testable PLA Designs with Reduced Test Set** with M.R.Mukerjee, in *Journal Institute of Engineers, Malaysia*, Vol 57, No.2 pp 7-15, 1996.

## Book:

1. *Proceedings of 3rd International Conference, ICDCIT 2006*, held at Bhubaneswar, India, titled 'Distributed Computing and Internet Technology', with Sanjay K. Madria, Kajal T. Claypool, Rajgopal Kannan and Prem Uppul610.
2. Anurag Sewak, Mayank Pandey, Manoj Madhava Gore, 2016, Book Chapter in "Mobile, Secure and Programmable Networking", ISBN: 978-3-319-50463-6, Lecture Notes in Computer Science (LNCS 10026), Springer Berlin Heidelberg.

## Papers in Conference Proceedings:

1. Vishwajeet Rana, Vijay Kumar Dwivedi, M M Gore, "An Efficient System for Stock Price Direction Prediction", Fourth International Conference on Business Analytics and Intelligence, 2016 (ICBAI-2016), 19-21 December 2016
2. Brijendra Pratap Singh, M M Gore, "Green Energy Generation from Moving Vehicles", 2016 International Conference on Design and Manufacturing (IConDM), IIITDM Kancheepuram, Chennai, 16-17 December 2016.
3. Deepika Durgvanshi, Brijendra Pratap Singh, and M M Gore "Byzantine Fault Tolerance for Real Time Price in Hierarchical Smart Grid Communication Infrastructure", 7<sup>th</sup> Power India International Conference, Govt. Engineering College Bikaner, Rajasthan, November 25-27, 2016
4. Anurag Sewak, Mayank Pandey, Manoj Madhava Gore, "Forming Structured P2P Overlays over Disjoint MANET Clusters", 10th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS 2016), Bangalore, India , 6-9 November 2016
5. Shashwati Banerjea, Mayank Pandey, Ashish Kumar, Rishabh Dugar, M. M. Gore," Implementation of MapReduce over structured Peer-to-Peer overlay of underutilized resources", 10th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS 2016), Bangalore, India , 6-9 November 2016
6. Anurag Sewak, Mayank Pandey, and Manoj Madhava Gore, "Performance Evaluation of Peer-to-Peer Structured Overlays over Mobile Ad hoc Networks having Low Dynamism" International Conference on Mobile, Secure and Programmable Networking (MSPN' 2016), June 2016, Paris, France
7. Shashwati Banerjea, Mayank Pandey, M. M. Gore, Towards Peer-to-Peer Solution for Utilization of Volunteer Resources to Provide Computation-as-a-Service. In the 30th IEEE International Conference on Advanced Information Networking and Applications (AINA), Crans-Montana, Switzerland, 23-25 March, 2016, pp 1146-1153, ISBN 978-1-5090-1857-4
8. LDC-MAC: Low latency DC-MAC protocol for wireless sensor network with Sansar Singh Chauhan. In Proceedings of the CUBE International Information Technology Conference (CUBE'12), September 3-5, 2012, Pune, India pp 133-137.<http://doi.acm.org/10.1145/2381716.2381743>
9. DC-MAC: Dual Channel Energy Efficient MAC Protocol for Mobile Wireless Sensor Nodes with Sandeep Singh and Sansar Singh Chauhan. In Proceedings of 8th IEEE Asia Pacific Wireless Communication Symposium (IEEE APWCS 2011), 22- 23 August, 2011, Singapore.
10. An Accurate and Self-correcting Localization Algorithm for UWSN Using Anchor Nodes of

Varying Communication Range with Manas Kumar Mishra and Neha Ojha. In the proceedings of the 6th International Conference on Grid and Pervasive Computing (GPC 2011), LNCS 6646 Springer 2011, ISBN 978-3-642-20753-2, pp 285-294, Oulu, Finland, May 11-13, 2011.

11. Trustworthy Path Discovery in MANET - A Message Oriented Cross-Correlation Approach with Girish Kumar Patnaik. In the proceedings of the Seventh International Symposium on Frontiers of Information Systems and Network Applications (FINA 2011) ( 25th IEEE International Conference on Advanced Information Networking and Applications Workshops, WAINA 2011), IEEE 2011, ISBN 978-1-61284-829-7 , pp 170-177, Biopolis, Singapore, March 22-25, 2011.

12. An improved forwarder selection approach for energy aware geographic routing in three dimensional wireless sensor networks with Manas Kumar Mishra. In the proceedings of the 2011 International Conference on Communication, Computing & Security (ICCCS 2011), ACM 2011, ISBN 978-1-4503-0464-1, pp 166-171, Odisha, India, February 12-14, 2011.

13. Robust and Distributed Range-Free Localization Using Anchor Nodes with Varying Communication Range for Three Dimensional Wireless Sensor Networks with Manas Kumar Mishra. In the proceedings of the 7th International Conference on Distributed Computing and Internet Technology (ICDCIT 2011), LNCS 6536 Springer 2011, ISBN 978-3-642-19055-1, pp 209-220, Bhubaneswar, India, February 9-12, 2011.

14. On Optimal Space Tessellation with Deterministic Deployment for Coverage in Three Dimensional Wireless Sensor Networks with Manas Kumar Mishra. In the proceedings of the Sixth International Conference on Distributed Computing and internet Technology (ICDCIT-2010), ISSN 0302-9743, ISBN-10 3-642-11658-2, ISBN-13 978- 3-642-11658-2, LNCS 5966, pp 72-83, Bhubaneswar, India, 15-17 February 2010.

15. Tree-Like Peer-to-Peer Symmetric Key Management in Mobile Ad-hoc Network with Girish Kumar Patnaik. In the proceedings of the First International Conference on Networks and Communication (NetCom-09), ISBN 978-0-7695-3924-9, pp 196-201, Chennai, India, 27-29 December 2009.

16. Mindex: A relevance measure for interval scaled attributes with Reena Srivastava. In the proceedings of Fourth Indian International Conference on Artificial Intelligence, ISBN 978-0-9727412-7-9, pp 2140-2157, Tumkur, Bangalore, India, 16-18 December 2009.

10. Energy Aware Beacon-less Geographical Routing in Three Dimensional Wireless Sensor Networks with Megha Jain and Manas Kumar Mishra. In the proceedings of the First International Conference on Advance Computing (ICAC-09), ISBN 978-1-4244-4787-9, pp 122-128, Chennai, India, 13-15 December 2009.

11. Dset: A Semantic Distance Measure with Reena Srivastava. In the proceedings of the Third International Conference on Information Processing (ICIP 2009) ISBN 978-93-80026-72-5, pp 419-428, Bangalore, India, 7-9 August 2009.

12. GCLOD: A Clustering Algorithm for Improved Intra-cluster Similarity and Efficient Local Outliers Detection with Abdul Aleem, Reena Srivastava and Anil Kumar Singh. In the proceedings of the Fifth International Conference on Data Mining (DMIN-09) ISBN 1-60132-099-X, pp 524-530, Las Vegas Nevada, USA, 13 -16 July 2009.

13. Cluster management in the known area of deployment for wireless sensor network with Sarvesh Singh, In the Proceedings of The Sixteenth IEEE International Conference on Networks (ICON'08) ISBN Number 978-1-4244-3805-1, New Delhi, December 2008.

14. Metadata Extraction from Semi Structured E-mail document with Ashok Kumar Sharma and B. D. Chaudhary, In the Proceedings of The Third International Multi Conference on computing in the Global Information Technology (ICCGI'08) ISBN Number 978-0-7695-3275-2, Athens, 27th July to 1st August 2008, pp. 56-61

15. A MICROCLUSTERING based method for multi-class classification in multi-relational databases with

Reena Shrivastava, In the proceedings of the Fourth International Conference on Data Mining (DMIN-08) ISBN Number 1-60 132-060-4, Las Vegas Nevada, USA, CSRA Press pp. 14-20, 14th to 17th July 2008

16. A New Top-Down Hierarchical Multi-hop Routing Protocol for Wireless Sensor Networks with M.P.Singh, In the Proceedings of International Conference on Distributed Computing & Networking(ICDCN 2008), LNCS 4904, Kolkata, pp. 428-433Jan,2008.

17. Hasslefree: Simplified Access Control Management for XML Documents with Ashish Tripathi, In the Proceedings of 4th International Conference on Distributed Computing & Internet Technology(ICDCIT 2007), LNCS 4882, Bangalore, India, pp. 116-128, December 17-20, 2007.

18. Network Mobility for Mobile Ad hoc Network in IPv4 Infrastructure Network with Pankaj Kumar, In the Proceedings of 2nd International Conference on Advanced Computing & Communication Technologies, APIIT, Panipat, India, pp. 336-340, November 03-04, 2007.

19. Secure Data Management in Reactive Sensor Networks with L. Chaithanya and M. P. Singh, In the Proceedings (Lecture Notes in Computer Science Series numbered 4332 published by Springer Verlag) of Second International Conference on Information System Security(ICISS-06) held at Kolkata, December 2006, pp 235-248.

20. An Adaptive and Preemptive Algorithm for Faster Handoffs in WLAN with Vijay Ukani, at International Conference on Next Generation Communication Systems (ICONGENCOM-2006) held in J K Institute, University of Allahabad, Allahabad, India, December 2006, pp 15-20.

21. Cluster Based Routing Protocol for Energy Efficient Query Delivery in Wireless Sensor Networks with N. Jayalakshmi and Vijay Ukani, at International Conference on Next Generation Communication Systems (ICONGENCOM-2006) held in J K Institute, University of Allahabad, Allahabad, India, December 2006, pp 25-30.

22. Secure Adaptive Clustering Protocol for Wireless Sensor Networks with M.P. Singh and G. V. Krishna Rao, at thirteenth International Conference on Advanced Computing and Communication (ADCOM 2005), held at Coimbatore, Tamilnadu, India, 14-17 December 2005.

23. A New energy-efficient Clustering protocol for Wireless Sensor Networks with M. P. Singh, at Second International Conference on Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP 2005) held at Melbourne, Australia 5-8 December 2005. The Proceeding of conference is published in IEEE Explore.

24. A Solution to Sensor Network Coverage Problem with M. P. Singh, in Proceedings of 7th IEEE International Conference on Personal Wireless Communication (ICPWC-2005) New Delhi, INDIA, January 2005 pp 77-80.

25. Something is Better than Nothing' Curbing and Curing Distributed Denial of Service of Attack with Lokesh Krishan Gupta, in the Proceedings (ISBN: 81-7764-717-2) of 12th International Conference on Advances in Computing and Communication (ADCOM-2004) held at Ahmedabad, INDIA, December 2004. pp 247-252.

26. BUSTRAP- An Efficient Travel Planner for Metropolitans with Sandeep Gupta, In the Proceedings (Lecture Notes in Computer Science Series numbered 3326 published by Springer Verlag) of Sixth International Workshop on Distributed Computing (IWDC 2004) at Kolkata, INDIA, December 2004 pp 537.

27. Path Stability based Adaptation of MANET Routing Protocols with Sandeep Chaudhary and O P Vyas, In the Proceedings (Lecture Notes in Computer Science Series numbered 3326 published by Springer Verlag) of Sixth International Workshop on Distributed Computing (IWDC 2004) held at Kolkata, INDIA, December 2004 pp 198-203.

28. Team Transaction: A New Transaction Model for Mobile Ad Hoc Networks with Ankur Gupta, Nitin Gupta, and R K Ghosh In the Proceedings (Lecture Notes in Computer Science Series numbered 3347 published by Springer Verlag) of International Conference on Distributed Computing and Internet Technology

(ICDCIT-04) at Bhubaneswar INDIA, December 2004 pp 127-134.

29. An Extension to ER Model for Top-Down semantic modelling of databases of applications with S.K. Jain and Gulab Singh In the Proceedings (Lecture Notes in Computer Science Series numbered 3356 published by Springer Verlag) of Seventh Annual International Conference on Information Technology (CIT04), Hyderabad, INDIA, December 2004 pp 253-262

30. Mitigating distributed denial of service attack with Lokesh Krishan Gupta in proceedings of International Conference on Distributed Processing and Networking DPN04, IIT Kharagpur, Kharagpur, India, June 2004, pp 72-76.

31. An Extensible Framework for Language Message Server with M P Singh in proceedings of Sixth Annual International Conference Information Technology (CIT03), Bhubaneshwar, Orissa, INDIA, December 2003. pp 588-589

32. Entity Relationship Schema Compression Technique Based on Use of Tables with S.K. Jain and Gulab Singh in proceedings of Sixth Annual International Conference on Information Technology (CIT03), Bhubaneshwar, Orissa, INDIA, December 2003. pp 455-460

33. Database Design for Nationwide Information System to Govern Country Effectively with S.K Jain and Gulab Singh in proceedings of the International Conference on E-Governance ,New Delhi,December 2003.

34. Design and Implementation of LRS - A Case Study with S. K. Jain and Gulab Singh, in proceedings of Sixth Annual International Conference Map India 2003, New Delhi January 2003.

35. Design of Compiler for Mobile Environment and Its Formalization using Evolving Algebra with G. K. Patnaik, in proceedings of the Third International Conference on Mobile Data Management (MDM02), Singapore, January 2002. pp 159-160.

36. Design and Implementation of Extended Transaction Support System with R. K. Ghosh, in proceedings of the Fourth International Conference on Information Technology(CIT01), Gopalpur on Sea, Orissa, INDIA, December 2001 pp 138-143

37. Contention-free Team Transaction Management and Recovery on Mobile Networks with Ad Hoc Groupings with R. K. Ghosh, in proceedings of the Fourth International Conference on Information Technology(CIT01), Gopalpur on Sea, Orissa, INDIA, December 2001 pp 31-36

38. Team Transaction: A New Transaction Processing Model for Mobile Ad Hoc Networks , with Ankur Gupta, Nitiin Gupta and R. K. Ghosh Technical Report, Dept of CSE, IIT-Kanpur, November 2001

39. Recovery of Mobile Transactions with R. K. Ghosh in proceedings of the 11th International Workshop on Database and Expert Systems Applications (DEXA), September 2000, London UK, pp 23-27

40. Design of a Storage Manager Extendible in Transaction Support with R. K. Ghosh in Proceedings of Computer and Communication Engineering Technical Conference of the World Engineering Congress at Kuala Lumpur Malaysia July 1999

41. Recovery in Distributed Extended Long-lived Transaction Models with R.K.Ghosh in Proceedings of VI International Conference on Database Systems for Advanced Applications DASFAA '99' at Hsinchu, Taiwan, R.O.C, April 1999.

42. Testable PLA Designs with Reduced Test Set with M.R.Mukerjee, in Journal Institute of Engineers, Malaysia, Vol 57, No.2 pp 7-15, 1996.

43. Two New Cost-effective BIST PLA Designs with M.R.Mukerjee and S.S.Basak, In Proceedings of XVI National Systems Conference, Madras (Chennai), India, pp 211-215, February 1993.

44. A Combinatorial method of Grouping Product-Terms for PLA Design with M.R.Mukerjee, In Proceedings of International AMSE Conference " Signals and Data Systems " Calcutta, India, AMSE press, Vol. 3, pp 75-90, December 1992.

45. Function Dependent Testable PLA Design with reduced Test-Set with M. R. Mukerjee, In Proceedings of XV National Systems Conference, Roorkee, India, pp 248-252 March 1992

**Reviewers:**

## Thesis Supervised

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### Ph.D

5. Self Localizing, Full-Covered, m-Connected 3D Wireless Sensor Network with Energy Aware Routing by Manas Kumar Mishra (2007RCS01) PhD CSE 2012-13

4. Trustworthy MANET for Secure Communication by Girish Kumar Patnaik (2004RCS03) PhD CSE 2012-13

3. An Efficient and Scalable Classification Method for Multi-Relational Databases by Reena Srivastava (2005RCS05) PhD CSE 2010-11.

2. A Secure, Energy Efficient, Cluster Based Sensor Network Data Routing Protocol by Maheshwari Prasad Singh(02RCS02) PhD CSE 2007-08.

1. Entity Relationship Schema Compression and Semantic Modeling of Databases Utilizing Structural Strength of Tables with Prof Gulab Singh, by Sanjay Kumar Jain(04RCS04) PhD CSE 2005-06.

### PhD Supervised as External Guide

2. Developing Intelligent Event Based Middleware for Information Dissemination in Vehicular Ad hoc Networks by Tulika Pandey nee Mishra with Dr Deepak Garg, Dept of CSE, Thapar University, Patiyala India 2014

1. Clustering Gene Expression Data, by Suvendu Kanungo with Prof. Gadadhar Sahoo, Dept. of IT, BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI, INDIA 2013

### M.Tech

107. Byzantine Fault Tolerance for Effective Demand Side Management in Hierarchical Smart Grid Communication Infrastructure by Ms Deepika Durgvanshi, (2014CS20) M. Tech (CS), 2015-16



106. Electricity Bill Settlement Using Retroactive Data Structure in Smart Grid by Ms Kratika Shukla, (2014IS06) M. Tech (IS), 2015-16
105. Sentiment Mining for Stock Prediction by Mr Vishwajeet Rana, (2014SW12) M. Tech (SW), 2015-16
104. Improving Bandwidth Utilization in Software Defined Networks by Sachin Tiwari, (2013IS13) M. Tech (IS), 2014-15
103. Diagnosis of Lung Diseases using Data Mining Classification Techniques on Disease Data by Rajeev Dixit (2012PTSW22) M. Tech (SE), 2014-15
102. n Evaluation of Alternatives for Improved Core Utilization in Multi-Core Machine by Pratyush Pachauri (2012IS25) M. Tech (IS), 2013-14
101. Providing Secure Data Storage on Cloud by Garima Singh (2012IS03) M. Tech (IS), 2013-14
100. Consolidating Two Subnets using Virtual NIC by Brijesh Kumar Patel (2012SW08) M. Tech (SE), 2013-14
99. Monitoring Light Condition of Classroom by Smart Objects by Akansha Chitransh (2012CS11) M. Tech (CSE), 2013-14
98. User Friendly Front End Design for E-Filing of Income Tax by Tamal Kanti Chakraborty (2011IS19) M. Tech Information Security, 2012-13.
97. Employee Personal Finance System: Getting Ready for Income Tax Evaluation by Anil Kumar Dhama (2011IS04) M. Tech Information Security, 2012-13.
96. Generation and Prioritization of Test Case for State Chart by Jasmine Minj (2011SW07) M. Tech Software Engineering, 2012-13.
95. Building Cloud: An Implementers' Perspective by Brijendra Pratap Singh (2011SW21) M. Tech Software Engineering, 2012-13.
94. Software for homemaker Budget Management by Abhishek Bhatt (2010SW08) M. Tech Software Engineering, 2012-13.
93. Automatic Train Control System for Railways using Wireless Sensor Network by Prakhar Bansal (2011CS29) M. Tech Computer Science & Engineering, 2012-13.
92. Cluster Based Hierarchical Routing Protocol with High Throughput for Wireless Sensor Network by Tripti Singh (2011CS26) M. Tech Computer Science & Engineering, 2012-13.
91. A genetic algorithm based clustering approach for structural k-anonymity in social networks by Vikas Kumar Sihag (2010IS16) M. Tech. Information Security, 2011-12.

90. Row-based encryption model for securing access to outsourced database by Sanjeev Kumar Chauhan (2010IS17) M. Tech. Information Security, 2011-12.
89. Timer and distance based routing protocol for continuous monitoring application in WSN by Glitto Mathew (2010CS12) M. Tech Computer Science & Engineering, 2011-12.
88. Text document clustering by detecting initial centroids for k-means by Subhash Kumar (2010SW16) M. Tech Software Engineering, 2011-12.
87. Distance based multi-hop routing protocol with energy and load balancing in WSN by Vipendra Kumar Mehra (2010CS36) M. Tech Computer Science & Engineering, 2011-12.
86. Energy efficient multihop routing technique for clustered wireless sensor networks by Mudit Pant (2010CS24) M. Tech Computer Science & Engineering, 2011-12.
85. Item recommender system based on cubic analysis approach by Abhinav Kumar Gupta (2010SW17) M. Tech Software Engineering, 2011-12.
84. Partitioning - based Clustering Approach for evaluating the performance of Players on Sports Data by Sanjay Goswami (2008PTSW21) M. Tech Software Engineering, 2011-12.
83. Disk-resident High Utility Pattern Mining by using Interactive approach in Incremental Databases by Vijay Kumar Dwivedi (2008PTSW02) M. Tech Software Engineering, 2011-12.
82. An Interactive Knowledge-based Toolkit for Plugging Knowledge Gap by Anshu Singh (2008PTSW09) M. Tech Software Engineering, 2011-12.
81. Consolidation of Data and Query Processing on Probabilistic Database by Rajesh Yadav (2009CS17) M. Tech Computer Science & Engineering, 2010-11
80. DC-MAC: Energy Efficient MAC Protocol for Wireless Sensor Network by Sandeep Singh (2009SW15) M. Tech Software Engineering, 2010-11
79. An Unsupervised Approach for Mining the Opinion in the Domain of Movie Reviews by Gaurav Tripathi (2009SW13) M. Tech Software Engineering, 2010-11
78. A Dynamic Approach for Generation of Semantic Documents for Web Resources by Ashish Saxena (2009IS02) M. Tech Information Security, 2010-11
77. Semantic Similarity Measure Aggregating Feature and Information Content with Depth of a Concept by Nishchya Kaushik (2009IS04) M. Tech Information Security, 2010-11
76. Recommending People with Similar Interests on Social Network Sites with Mr. A K

- Singh by Abhishek Verma (2008SW10) M. Tech. Software Engineering, 2009-10
75. A Case Study on the Implementation of Hybrid Methodology Involving Scrum and Waterfall Model towards Software Project Development in Academic Knowledge Centers by Tarun Jain (2008SW11) M. Tech. Software Engineering, 2009-10
74. Study of Influence of Node Mobility on Trust in MANET by Amit Kumar Raikwar (2008IS14) M. Tech. Information Security, 2009-10
73. A Range-free Localization Scheme for Underwater Sensor Networks with Error Correction by Neha Ojha (2008CS11) M. Tech. Computer Science & Engineering, 2009-10
72. Energy Aware Geographical Routing in Three Dimensional Wireless Sensor Networks by Megha Jain (2007CS08) M. Tech. Computer Science and Engineering, 2008-2009
71. Minimization of Intra-Cluster Dissimilarity Through Local Outliers' Detection in Relational Data Clustering with Mr A K Singh by Abdul Aleem (2007SW08) M. Tech. Software Engineering, 2008-09
70. Localization Scheme for Three Dimensional Wireless Sensor Networks Using GPS enabled Mobile Sensor Nodes with Mr A K Singh by Vibha Yadav (2007CS06) M. Tech. Computer Science and Engineering, 2008-09
69. Bridging Infrastructure Design and Implementation Across Open Ajax Hub-IBM Browser Plugin Framework-Lotus Expenditor Microbroker with Mr Anuj Gupta by Shivani Mishra (2007IS03) M. Tech. Information Security, 2008-09
68. WEKA Installation and its Evaluation for Data Mining Functionalities by Vivek Jaiswal (2007GI03) M. Tech. GIS & Remote Sensing, 2008-09
67. Hybrid Architecture for Massive Multiplayer Online Games by Nitin Saxena (2007IS09) M. Tech. Information Security, 2008-09
66. Energy Managed TORA with Enhanced Network Stability by Praveen Kumar Parajapati (2006GI05), M. Tech. GIS & Remote Sensing, 2007-08
65. A Design of Auto Pollution Monitoring System using Wireless Sensor Network by Arvind Singh (2006GI01), M. Tech. GIS & Remote Sensing, 2007-08
64. Design and Development of Intranet Academic Web Portal by Pawan Kumar Gupta (2006CS02) M. Tech. Computer Science and Engineering, 2007-08
63. Design and Experimental Verification of Digitally Signed SMS for Business Transaction by Ajeet Kumar (2003/PT/SE/02), M. Tech. Software Engineering 2006-07.

62. An Approach for Node Energy Conservation for AODV Routing Protocol of MANET by Prateek Singh (2003/PT/SE/09), M. Tech. Software Engineering 2006-07.
61. PARSE: Power Aware Routing in Sensor Networks by Rajendra Kumar Singh (2003/PT/SE/20), M. Tech. Software Engineering 2006-07.
60. FacultySpace: A Distributed Content Management System for Academic Information Exchange by Amul Jain (2005CS09), M. Tech. Computer Science & Engineering, 2006-2007.
59. Hassle free: An Approach for Access Control Management of XML Documents by Ashish Tripathi (2005CS01), M. Tech. Computer Science & Engineering, 2006-2007.
58. Clustering in the Known Area of Deployment for Wireless Sensor Network by Servesh Singh (2005CS10), M. Tech. Computer Science & Engineering, 2006-2007.
57. Evaluation of Network Mobility for Mobile Ad-hoc Network in IPv4 by Pankaj Kumar (2005SW09), M. Tech. Software Engineering, 2006-2007.
56. Bustrap Enhancement and its tale of two cities by Farhan Razi Siddiqui (2001/PT/SE/18), M. Tech Software Engineering, 2005-06.
55. Design and Development of Network Simulator for Mobile Ad Hoc Network with case study-SSA & MSSA by Sanjay Kumar Yadav (2002PTSE06), M.Tech Software Engineering, 2005-06.
54. Periodic Active Scan for Faster Handoff in WLAN by Ukani Vijaykumar S. (2004CS17), M. Tech. Computer Science & Engineering , 2005-2006.
53. Cluster Based Routing Protocol for Energy Efficient Query Delivery in Wireless Sensor Networks by N. Jayalakshmi (2004SW08), M. Tech. Software Engineering, 2005-2006.
52. Secure Data Management in Reactive Sensor Networks by L. Chaithany. (2004CS03), M. Tech. Computer Science & Engineering, 2005-2006.
51. Design and Development of On-line Report Repository for CSED MNNIT by Ratnesh Mishra (2001/ME/PT/SE/15), M. Tech. Software Engineering, 2005-06.
50. Design and Implementation of Plagiarism Detector by Soumya Darshan Behra (2003/PT/SE/01), M. Tech. Software Engineering, 2005-06.
49. Conference Management Using Wireless Sensor Networks by Shilpy Agrawal (2003/PT/SE/10), M. Tech. Software Engineering, 2005-06.

48. Automated Building Plan Development by Mr Alok Saxena, M. Tech., Software Engineering, 2004-2005.
47. Automated Building Plan Development for Building Features by Mr Anoop Kumar, M. Tech., Software Engineering, 2004-2005.
46. Design & Implementation of Software Metric Tool to Compare Open Source Linux Office Suites by Mr Sasanka Sekhar Mishra, M. Tech., Software Engineering, 2004-2005.
45. Enhancing and Optimizing XML-YFilter and its use in Sensor based Application by Aditi Airon (2003CS10), M. Tech., Computer Science & Engineering, 2004-2005.
44. Secure Adaptive Clustering in Wireless Sensor Network by G. V. Krishna Rao (2003CS08), M. Tech. Computer Science & Engineering, 2004-2005.
43. Partition Detection and Data Management in Wireless Sensor Network by Ranveer Pratap Singh (2003SW18), M. Tech. Software Engineering, 2004-2005.
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30. Design and Implementation of Secure Transaction Model in Tender Online by Mr Kiran Kumar Patnaik 2001CS16, M.Tech. CSE, 2002-2003.
29. Design and Implementation of Web Enabled Tender Service by Mr Suvendu Kanungo 2000/PT/SE/15, M.Tech Software Engineering, 2002-2003.
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2. Image Processing System: Improved Boundary Detection Methods with Prof. Gulab Singh, by R. K. Prusti, M. E. Information Science & Engineering, 1992-93.

1. New Cost-Effective BIST PLA Design with Prof. M. R. Mukerjee, by S. S. Basak, M. E. Digital System, 1991-92.

### B.Tech

| Sl. No. | Title of Project  | Institute       | Name of student[s]  | Year     |
|---------|---|-----------------|---|----------|
| 1       | Designing and developing a dataset generator for classification purpose (data mining) B.Tech (IT) | MNNIT Allahabad | Miss Anne Rajkumari<br>Mr. Sapan Saxena<br>Miss Yugkirty Singh<br>Mr. Krishna Kumar Yadav   | May 2008 |
| 2       | Routing issues of sensor networks B.Tech (CSE)  | MNNIT Allahabad | Miss Sonia Arora<br>Miss Mudita Sharma<br>Mr. Navanidhi Deori<br>Mr. Ankit Marwaha<br>Mr. Ashish Anand                                  | May 2008 |
| 3       | Architecture design for a distributed multiplayer game: Carrom B.Tech (CSE)                       | MNNIT Allahabad | Mr. Anshul Pandey<br>Mr. Vikash Goyal<br>Mr. Ankush Goyal<br>Mr. Varun Arora<br>Mr. Subhankar Rai                                       | May 2008 |
| 4       | Semantic Web Application for Social bookmarking and Tag sharing using SCOT Ontology B.Tech (CSE)  | MNNIT Allahabad | Sandeep Kumar, Vinay Singh Kushwaha, Kavita Aditi Mehrotra, Amit Prabhakar, Atul Kumar Bara   | May 2009 |
| 5       | Fair Backoff Algorithm for Contention based networks using Game Theory B.Tech(CSE)                | MNNIT Allahabad | Amit Kumar, Raghvendra Kumar Yadav, Ghanshyam Bansal, Sachin Dev, Vipin Kumar   | May 2009 |
| 6       | Project Control Tracker B Tech Information Technology   | MNNIT Allahabad | Alok Nandan Jha, Ankit Tyagi, Gaurav Gaba, Harendra Kumar Suryavanshi, Prem Vardhan   | May 2010 |
| 7       | Moti-Miner: An Online Knowledge Analysis Tool B Tech Information Technology                       | MNNIT Allahabad | Avinash Dubey, Amulya Varshney, Deepak Arora, Rajani Kant, Areeb Shaarique  | May 2010 |
| 8       | Ad-Collegium (An Alumni Web Portal) B Tech Computer Sc & Engg                                     | MNNIT Allahabad | Sneha Agarwal(20074068)<br>Tarun Kumar (20077004)<br>Sharique Hussain(20074038)<br>Rohit Mittal(20074070)<br>Maphisha Phanbuh(20074060) | May 2011 |
| 9       | Content Management System for Providing Complete E learning System B Tech Information             | MNNIT Allahabad | Dileep Singh(20073067)<br>Poonam Kashyap (20078005)<br>Ojas Patil (20078003)<br>M Karjodkar(20078014)                                   | May 2011 |



|    |  |                 |  |          |
|----|--|-----------------|--|----------|
|    | Technology   |                 | Prashansa Javre(20078002)  |          |
| 10 | Automation of Stock Purchase In Computer Science & Engineering Department<br>B Tech Information Technology | MNNIT Allahabad | Jyotsana Srivastava(20078012)<br>Priyanka Goyal(20077007)<br>Shubhra Srivastava (20072008)<br>Maria Kazmi (20078056)<br>Raj Kumar Meena (20078035) | May 2011 |
| 11 | Speech to Text Conversion through voice training<br>B Tech Computer Sc & Engg                              | MNNIT Allahabad | Apurv Gupta (20085022)<br>Manoj Deol (20074053)<br>Kushal Singh (20084103)<br>Raju Yadav (20084110)<br>Aklesh K Singh (20074069)                   | May 2012 |
| 12 | Attendance System Using Face Recognition<br>B Tech Computer Sc & Engg                                      | MNNIT Allahabad | Dhanendra Jain (20085045)<br>Niteen K Singh (20084035)<br>Neeraj (20084066)<br>Naresh Bhatt (20084101)   | May 2012 |
| 13 | DBMS for Birds Around Allahabad<br>B Tech Information Technology   | MNNIT Allahabad | Nitin Gupta (20089025)<br>Sahil Govil (20081003)<br>Basu Bishal Bhaskar (20087096)<br>Chandan K Rajak (20087086)<br>Deepak Kumar (20087090)        | May 2012 |
| 14 | "The Gamers' Paradise"<br>A Gaming Portal<br>B Tech Computer Sc & Engg                                     | MNNIT Allahabad | Bhaskar Kushwaha (20094056)<br>A K Singh (20093078)<br>Gobinath S (20097018)<br>Mohd. Zeeshan (20091075)<br>Subodh Kumar (20094076)                | May 2013 |
| 15 | One Time Cookies (for Security)<br>B Tech Computer Sc & Engg   | MNNIT Allahabad | Rahul Mittal (20099027)<br>Rachit Kumar (20098045)<br>Vivek Bajpai (20094037)<br>Aman Kumar (20095070)<br>Ashwani Kumar (20097025)                 | May 2013 |
| 16 | Recommender System (Movie Vocabulary)<br>B Tech Information Technology                                     | MNNIT Allahabad | Varsha Mishra (20098017)<br>Ratan Kumar (20098072)<br>Alok Kumar (20098037)<br>Sumit Prasad (20098087)<br>Suraj Srestha (20098052)                 | May 2013 |
| 17 | Content Management System for Providing E-learning<br>B Tech Computer Sc & Engg                            | MNNIT Allahabad | Anupam Chaturvedi (20105011)<br>Sachin Kumar Tiwari (20104068)<br>Akash Srivastava (20108039)<br>Nilesh Yadav (20104055)<br>Pankaj (20104061)      | May 2014 |
| 18 | Notifier: Automated Notification System  | MNNIT Allahabad | Bhavana Jain 20115079<br>Swapnil Katiyar 20114049<br>Piyush Jain 20115094<br>Neetu Singh Meena 20114099  | May 2015 |
| 19 | Campus Info  | MNNIT Allahabad | Nishant Agarwal 20114087<br>Shubham Singh 20114077<br>Neeraj Arya 20111079<br>Tej Bahadur Prasad 20114058  | May 2015 |
| 20 | Recommendation   | MNNIT           | Neha Singh 20111095  | May 2015 |

|    |  |                 |  |          |
|----|--|-----------------|--|----------|
|    | System for Choosing Appropriate college for Admission              | Allahabad       | Anil Saroj 20118088<br>Ajay Kumar Rai 20118029<br>Anjali Singh 20118070                                    |          |
| 21 | Plagiarism Detection Using AST based Suffix Trees                  | MNNIT Allahabad | VIVEK AGARWAL 20124105<br>ABHIJIT KATIYAR 20123015<br>P BAISLA 20124134<br>A Thyagarajan 20128058          | May 2016 |
| 22 | Twitter Trends   | MNNIT Allahabad | M SRIVASTAVA 20128048<br>R T JOB 20128007<br>S PATNY 20128102<br>Y SINGH 20128068<br>A K GAUR 20129024     | May 2016 |
| 23 | Interconnected MNNIT Network: Mobile App + DocTrack + BookMy Class | MNNIT Allahabad | D K SINGH 20129011<br>A KAMTHAN 20128047<br>C B GIRI 20128063<br>A K BAWANE 20128035<br>A K VERMA 20128050 | May 2016 |