




JSS MAHAVIDYAPEETHA

JSS ACADEMY OF TECHNICAL EDUCATION

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Name of the Department: Computer Science and Engineering

Name of the Teaching Staff	Dr. NAVEEN N C		
Designation	Professor and Dean Academics		
Department	Computer Science and Engineering		
Date of Joining the Institution	04 – 11 – 2016		
Qualification with Class / Grade	B.E., M.E., Ph.D.	PG: M.E., Computer Science	Ph. D. Computer Science
Total Experience in Years	Teaching : 25 Years	Industry 03 Years	Research : 10 Years
Papers Published in Journals	International: 29	National: 00	
Papers Presented in Conferences / Symposium	International: 06	National: 06	
PhD Guide? Give field & University	Machine Learning Techniques Big Data Analytics Health care Security and Data Science	University: Visvesvaraya Technological University,	
PhDs / Projects Guided	No. of Ph.D's Awarded: 04 No. Ph.D's Guiding : 02	Projects at Masters Level: 30	
Books Published / IPRs/ Patents	Solved the question papers for the custom version (Cryptography and Network Security – 4th Edition) Granted for "Wild Life Intrusion Detection System Empowered with Artificial Intelligence", Australian Patent : 2021100064 dated 16-01-2021		



Professional Memberships	<ol style="list-style-type: none">1. Member to IEEE (#92951932 – Bangalore Section)2. Fellow member at IEI (F-119360)3. Life time member to Indian Society for Technical Education (LM 38112)4. Advisory Council member for Dr. C V Raman College of Administration and Network Sciences, Davangere
Consultancy Activities	--
Awards	<ol style="list-style-type: none">1. Awarded Vision Group on Science and Technology (VGST) grant of Rs.20.00 Lakhs per year under the K-FIST (Level -I) scheme during the FY 2013-14 for the title “Hybrid Real Time Intrusion Detection System”.2. Successfully completed an industry sponsored project from GE Global Research in collaboration with RVCE on Deep Learning Models for Named Entity Recognition3. Successfully completed project “Garbage Segregation System using Image Processing” funded by Karnataka State Council for Science and Technology KSCST4. Successfully completed project “Secure and Precise Data in a Cloud for Rural Health Care Monitoring With Mobility” funded by IEI R&D Grant-in-Aid Scheme
Grants fetched	23 Lakhs
Interaction with Professional Institutions	<ol style="list-style-type: none">1. Advisory Council member for Dr. C V Raman College of Administration and Network Sciences, Davangere2. BOE member for Jain University, SIT, SSIT, RVCE3. BOE and LIC member for VTU for CS/IS composite board4. BOS Member at RVCE

Research Papers Published

1. Gauri S. Rapate, & Naveen, N. C. (2023). Novel Simulation Modelling of Energy-Efficient Routing Scheme Using Scheduling Approach in Internet-of-Things. In *Software Engineering Application in Systems Design: Proceedings of 6th Computational Methods in Systems and Software 2022, Volume 1* (pp. 21-30). Cham: Springer International Publishing.



2. Gauri S. Rapate , N. C. Naveen, "A Novel Simulation Framework Towards Optimizing secure Data Transmission in Internet-of-Things," 2022 Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT), Mandya, India, 2022, pp. 1-5, doi: 10.1109/ICERECT56837.2022.10060016.
3. Rakshitha Kiran P, Naveen, N. C. (2022). Performance Analysis of Poly Cystic Ovary Syndrome (PCOS) using Broyden's Kernel Import Point (BKIP) Classifier. International Journal of Intelligent Systems and Applications in Engineering, 10(4), 307-312.
4. Rakshitha Kiran P, Naveen, N. C. (2022). Op-RMSprop (Optimized-Root Mean Square Propagation) Classification for Prediction of Polycystic Ovary Syndrome (PCOS) using Hybrid Machine Learning Technique. International Journal of Advanced Computer Science and Applications, 13(6).
5. Gauri S. Rapate, Naveen, N. C. (2022). Effectivity Score of Simulation Tools towards Modelling Design in Internet-of-Things. International Journal of Advanced Computer Science and Applications, 13(5).
6. Gauri S. Rapate., Naveen, N. C. ENERGY AWARE AND EFFICIENT ROUTING BY LOAD DISTRIBUTION FOR IOT DEVICES. Design Engineering, 2021, pp 4664-4673.
7. Pradeep K.R, Dr. Naveen N.C, OP-DNN: Lung Cancer Survivability Prediction using Novel Optimized-Deep Neural Network Classification Method, International Journal of Future Generation Communication and Networking, Vol 13, Issue 3 , 2020 , pp 73-87
8. Pradeep K.R, Dr. Naveen N.C, Optimized-Deep Neural Network (Op-DNN) Regression Technique for Lung Cancer Survivability Prediction, International Journal of Advanced Science and Technology, Vol 29, Issue 3 , 2020 , pp 4754 - 4772
9. Gauri S. Rapate, Dr. Naveen N C, Energy Efficient QoS guaranteed Cross Layer Solution (EEQCL) for Mesh Backbone IOT Networks, International Journal of Recent Technology and Engineering (IJRTE), Vol 8, Issue 3S2 , 2019 , pp 352-358
10. Pradeep K.R, Dr. Naveen N.C, A Framework for Lung Cancer Survivability Prediction Using Optimized-Deep Neural Network Classification and Regression technique, International Journal of Computer Sciences and Engineering, Vol 7, Issue 13 , 2019 , pp 57-66



11. SK Savitha, Naveen N C, Framework for progressive segmentation of chest radiograph for efficient diagnosis of inert regions, International Journal of Electrical & Computer Engineering, Vol 9, Issue 2 , 2019 , pp 982-991
12. Rakshitha Kiran P, Dr. Naveen N C, Prediction of Women Obesity using Naive Baye's Algorithm, International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), Vol 6, Issue 2 , 2019 , pp 12-17
13. P Priyanga, NC Naveen, Analysis of Machine Learning Algorithms in Health Care to Predict Heart Disease, International Journal of Healthcare Information Systems and Informatics (IJHISI), Vol 14, Issue 4 , 2018 , pp 82-97
14. Gauri S. Rapate, Dr. Naveen N C, A Survey on Routing Protocols of Internet of Things, International Journal of Innovative Research in Computer and Communication Engineering, Vol 6, Issue 5 , 2018 , pp 5892-5898
15. Nagesh B S, N P Kavya, N C Naveen , A Study on Applying Association Mining Technique on Endoscopic Videos, International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS), Vol 7, Issue 1 , 2018 , pp 22 - 27
16. Priyanga P, Naveen N C, Cluster Based Deep Neural Network (C-DNN) Approach to Detect Heart Disease, Journal of Web Engineering, Vol 17, Issue 6 , 2018 , pp 3042-3059
17. SK Savitha, Naveen N C, Comprehensive classification model for diagnosing multiple disease condition from chest x-ray, International Journal of Advanced Computer Science and Applications, Vol 9, Issue 9 , 2018 , pp 326 - 337
18. Pradeep K.R, Dr. Naveen N.C, Lung Cancer Survivability Prediction based on Performance Using Classification Techniques of Support Vector Machines, C4.5 and Naive Bayes Algorithms for Healthcare Analytics, Procedia Computer Science 132, Science Direct, 2018 pp 412–420
19. Pradeep K.R, Dr. Naveen N.C, A Collective Study of Machine Learning (ML) Algorithms with Big Data Analytics (BDA) for Healthcare Analytics (HcA), International Journal of Computer Trends and Technology (IJCTT), Vol 47 Issue 3 2017, pp 149-155



20. Rakshitha Kiran P, Dr. Naveen N C, A Thorough Study on Machine Learning algorithms for Improvised Health Concern, International Journal of Innovative Research in Computer and Communication Engineering, Vol 5 2017, pp 65-71
21. Pradeep K.R, Dr. Naveen N.C, Predictive analysis of diabetes using J48 algorithm of classification techniques, 2nd International Conference on Contemporary Computing and Informatics (IC3I), 2016 , IEEE, pp 347-352
22. Priyanga P, Naveen N C, Mining Health Data using Weighted Approach, Communications on Applied Electronics (CAE), Vol 5 Issue 10 2016, pp 01-06
23. Tarun Rao, N. Rajasekhar & N C Naveen, Crop Coverage Data Classification using Support Vector Machine, Global Journal of Computer Science and Technology: Software & Data Engineering Vol 16 Issue 3, 2016, pp 1 - 6
24. Sonali Patra, NC Naveen, Omkar Prabhakar, An automated approach for mitigating server security issues, IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT), IEEE, 2016, pp 1075-1079
25. Priyanga P, Naveen N C, Literature Review: Web Mining Techniques In Health Care Applications, International Journal of Computer Engineering and Applications, Vol 5, pp 122- 133
26. Savitha S K, Dr Naveen N C, Algorithm for pre-processing chest-x-ray using multi-level enhancement operation, International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET), IEEE, pp 2182-2186,
27. Savitha S K, Dr Naveen N C, Study for Assessing the Advancement of Imaging Techniques in Chest Radiographic Images, Communications on Applied Electronics (CAE) – ISSN : 2394- 4714 Foundation of Computer Science FCS, New York, USA Volume 4– No.5, pp 22 - 34
28. Pradeep K.R, Dr. Naveen N.C, Securing Big Data Using Natural Computing Techniques, National Conference on Technological Advancement in Computing, 25 – 26 July 2014, R V College of Engineering, Bangalore, pp 05 - 11



29. Gopi Subramaniam , G.C. Vineel, RamakanthKumar P, Dr.Naveen N.C, “A Unified Deep Learning Approach to Named Entity Recognition”, IEEE Workshop on Computational Intelligence Theories, Applications and Future Directions, July 2013, IIT Kanpur, pp 9-10
30. Kawinderjot Kaur , Dr.N C Naveen, Sunil K, “Development of Intelligent Dashboards for Global Metrics Evaluation”, International Journal of Computer Trends and Technology (IJCTT) – Volume 4 Issue 6–June 2013, pp 1752 - 1755
31. Naveen N.C, Dr.R.Srinivasan, Dr.Natarajan, “Application of Relevance Vector Machines in Real Time Intrusion Detection”, International Journal of Advanced Computer Science and Applications(IJACSA), 2012, Vol. 3, No. 9, 2012
32. Naveen N.C, Dr.R.Srinivasan, Dr.Natarajan, “A Unified Approach for Real Time Intrusion Detection using Intelligent Data Mining Techniques”, International Journal of Computer Applications IJCA Special Issue on Network Security and Cryptography
33. (NSC), Digital Library URL: <http://www.ijcaonline.org/specialissues/nsc/number3/4336-spe030t>, ISBN: 978-93-80865-68-5, <http://www.ijcaonline.org/ijca-statistical-data>, 2011, pp 13-17
34. Naveen N.C, Dr.R.Srinivasan, Dr.Natarajan, “Application of Change Point Outlier Detection Methods in Real Time Intrusion Detection”, International Conference on Advanced Computer Science Applications and Technologies – ACSAT2012 - Kuala Lumpur, Malaysia. 26– 28 Nov 2012, pp 110 – 115, IEEE Xplore, DOI : 10.1109/ACSAT.2012.36
35. Naveen N.C, Dr.R.Srinivasan, Dr.Natarajan, “Research Direction in Intrusion Detection, Prevention and Response system-A Survey”, IFRSA International Journal of Data Ware housing & Mining (IIJDWM), Vol1, Issue 1, Aug 2011, pp 95-100
36. Naveen N.C, Anisha B.S, “A Unified Approach for Outlier Detection Using Change Point for Intrusion Detection”, IFRSA’s International Journal Of Computing, Vol2, issue 3, July 2012
37. Naveen N C, Kaavya M S, “Asynchronous Communication protocol for Parallel Virtual Machine”, National Conference on Wireless Control and Communication Technology , NCWTCT – 2011, Dr. AIT, Bangalore



38. Mishal, Vibha Valsan, Naveen N C, "Automatic Summarization and Semantic Similarity Between Kannada Reference Documents", International Conference on Emerging Trends in Engineering, ICETE – 2011, NMAM Institute of Technology, Nitte Pg Number – 206-209
39. Pradeep Hegde, N.C Naveen, "MSOPS - Manage and Secure Optical networks by Simulation of network elements", IJMAN, Volume 2, Issue 2, May 2012
40. Naveen N C, Kavya N P, "Data and Event Stream Mining", IJCSNS – International Journal of Computer Science and Network Security, Vol 8, No.4, April 30, 2008. pp 140-144
41. Naveen N C, "Intelligent Intrusion Detection using Data mining Techniques", presented in NCRIT 2008 , RVCE, Bangalore, India, March 2008 pp 198-204.
42. Naveen N C, Kavya N P " Intrusion Detection for ProArch model", Special Issue on Computer applications in Knowledge Based systems, International Journal of Computer Applications in Technology(IJCAT) , Inderscience Press, September 2008
43. Naveen N C, Kavya N P, "Mining Processes using cluster approach for representing workflows" for special issue on Data management and Computing in Knowledge Based Systems and Intelligent Systems is organized in Journal of convergence Information Technology,
44. Naveen N C, Kavya N P, "Mining for capturing processes through event logs to represent workflows using FP-Trees", presented in International conference on Intelligent Advanced Systems ICIAS 2007, Petronas, IEEE, IET., KL Convention Centre , Kuala Lumpur, Malaysia, November 2007, pp 45.
45. "Data-Event Stream Mining Approach", presented in International conference on natural language processing ICON , in International Institute of Information Technology, Hyderabad, India, January 2007, pp 264-267.
46. "Data mining and Document Warehousing" presented in National conference at PSG College of Engineering , Coimbatore, Tamilnadu, India, July 2006, pp 56
47. "Data mining a Business Intelligent Perspective" presented in 2nd National conference on Emerging Trends in Computer Communication and Networks, Adhiyamaan College of Engineering, Hosur, Tamilnadu, India, January 2006, pp 24.



48. "Online Mining of Data Streams : Applications, Techniques and Progress" presented in National Conference on Advanced Multimedia Processing & Applications, Department of MCA, R V C E, Bangalore, October 2005 pp 122-125

Book's Publication

Note: Solved the question papers for the custom version

Sl No	Name of Faculty	Title of Book	Publisher Name	Year of publication
1.	Prof. Naveen N C	Cryptography and Network Security – 4 th Edition	Pearson	2011 – ISBN – 978-81-317-5906-6