


JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIMOGA

Faculty Profile

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| 1  | Name of the Teaching Faculty   | <b>Dr. PRABHUDEVA.S</b>  |  |  |
| 2  | Designation  | <b>Director and Professor</b>  |  |   |
| 3  | Department   | MCA  |  |   |
| 4  | Date of Joining the institution, Promotions and Date                                       | <p><b>Computer Science &amp; Engg. Department:</b><br/> <b>Asst. Professor</b> : 15-10-1998 to Aug 2007<br/> <b>Asso. Professor</b> : Aug 2007 to 31 Dec 2010<br/> <b>Professor</b> in CSE : 01 Jan to 23 Aug 2014</p> <p><b>Information Science &amp; Engg. Department:</b><br/> <b>Professor and Head:</b>24 Aug 2014 to 02 Jan 2017<br/> <b>Professor:</b> 03 Jan 2017 to 18/06/2020.</p> <p><b>Master of Computer Applications:</b><br/> <b>Director and Professor:</b> 19/06/2020 to till the date.</p> |  |   |
| 5  | Qualification with % of marks & Grade with year  | <b>UG:</b> B.E, CS&E   | <b>PG:</b> M.S (Syst. & Information)   | <b>Ph.D. IIT Bombay, Mumbai.</b>  |
| 6  | Total Teaching Experience at JNNCE and at other places:                                    | <b>Teaching: 33 yrs.</b>   | <b>Research : 19 yrs</b>   | <b>Teaching : 33 yrs</b>  |
| 7  | PhD Guide/Supervisor ?<br>Give field & University:   | <b>Yes</b><br><b>Field:</b> Software Reliability Engineering and Network Security, <b>IIT Bombay, Mumbai, India.</b>   |  |   |
| 8  | PhDs/ Projects Guided  | PhD Scholars: <b>03</b><br>(Two have completed PhD, and other one is awaiting the final viva-voce exam scheduled 22/12/2023)   | PhD candidates: All the awarded Projects :<br>UG level : > 36<br>Master level: > 43                            |   |
| 9  | Journals and conference papers published details:  | International Journals: <b>36</b><br>National Conference: <b>01</b><br>International Conferences: <b>11</b>  |  |   |
| 10 | Areas of additional technical knowledge acquired apart from the regular teaching subjects; | Software Reliability Modeling, OpenGL graphics applications, Android application development, Network security issues, Object Oriented Design and Modeling knowledge, IOT, Cyber Security, Block chain Technology.   |  |   |
| 11 | Books published/IPRs/Patents   | OOAD & UML for Karnataka Open University (Study Material)  |  |   |
| 12 | Professional memberships   | MISTE (Life Member):1991, 32yrs  | FIETE (Life Member): 2014, 09 yrs  |   |
| 13 | Consultancy activities   | MAMCOS - Project 2000-02   |  |   |
| 14 | Grants fetched details   | ISTE–AICTE FDP workshop in 2018 : Amount sanctioned = 3 lakhs  | ATAL FDP in 2021 from :1 <sup>st</sup> to 5 <sup>th</sup> February and the amount sanctioned is : Rs 93,000=00 |   |
| 15 | Achievements and Recognitions/ awards  | PhD awarded in 2010, Five times worked as a Local Inquiry committee (LIC) member, VTU Belgaum. Karnataka State. Further, worked as a Board of studies (BOS) member, VTU, Belgaum from 2016 to 2019.  |  |   |

## List of Publications

### Journals

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| 1.  | S. Prabhudeva and A.K Verma, "Coverage modeling and reliability analysis using multistate function", <i>International Journal of Automation and Computing</i> , Volume 4, pp380-387, 2007.   |
| 2.  | S. Prabhudeva, A. K Verma, A. Srividya, and Gopica Vinod, "Reliability analysis of dynamic fault tree models using fuzzy sets", <i>International Journal of Dependability Quality and Maintainability</i> , Volume 9, issue 4, pp68-78, 2006.                                    |
| 3.  | Prabhudeva. S, Srikanth T. N. "Explicit study on security issues in multimedia streaming in peer to peer network", <i>International Journal of Computer Engineering and Technology (IJCET)</i> , Volume 3, Issue 2, July- September, 2012, pp. 588-602.                          |
| 4.  | Dr Prabhudeva S, Rakesh Patil M S, "Node Auto Configuration in MANETs using Filter based Addressing Protocol", <i>International Journal of Innovative Research and Development (IJIRD)</i> , Volume 3, Issue 6, June 2014, pp.491-497.   |
| 5.  | Dr Prabhudeva S, Ranjan Venugopal, "Reliable and Energy Efficient Reactive Routing for Industrial wireless Sensor Networks (IWSN)" <i>International Journal for Scientific Research and Development (IJSRD)</i> , Vol.3, Issue 03, 2015, pp1684-1686.                            |
| 6.  | Dr Prabhudeva S, Nitin Chandra S P, " A Security Based Unobservable Routing Protocol using USOR in MANNETs", <i>International Journal for Scientific Research and Development (IJSRD)</i> , Vol.3, Issue 03, 2015, pp1955-1957.  |
| 7.  | Dr Prabhudeva S, Megha K, " Location Based Energy Efficient Routing Protocol using ALERT in MANETs", <i>International Journal for Scientific Research and Development (IJSRD)</i> , Vol.3, Issue 03, 2015, pp1958-1960.  |
| 8.  | Dr Prabhudeva S, Suhas D, "Enhancing the Lifespan and Energy Efficiency of Wireless Sensor Network Using Clustering and Routing Protocol", <i>International Journal for Scientific Research and Development (IJSRD)</i> , Vol. 3, Issue 03, 2015, pp1999-2001.                   |
| 9.  | Dr Prabhudeva S, Raja H P, " Routing Improvements in Wireless Mesh Networks by using ARS Technique", <i>International Journal for Scientific Research and Development (IJSRD)</i> , Vol.3, Issue 03, 2015, pp2420-2422.  |
| 10. | Dr. Prabhudeva S and Shivanna K, "A Reliable Authentication with Graphical Password for Cloud Data", <i>International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE)</i> , Vol. 5, Issue No.2, Oct 2016, pp1-5.                                |
| 11. | Dr. Prabhudeva S and Shivanna K, "A Reliable Authentication with Graphical Password for Cloud Date", <i>International Journal of Advanced Research in Computer and Communication Engineering</i> , Vol-5, Issue No.2, October 2016, pp14-17.                                     |
| 12. | Prabhudeva S and Hemanth Kumar N P, "Security and Privacy preservation on Cloud-based Big Data Analysis (CBDA): A Review", <i>Foundation of Computer Science FCS</i> , New York, USA, Vol. 6, No. 1, Oct 2016, pp35-42.  |
| 13. | Dr. Prabhudeva S and Shivanna K, "A Secure Message Integrity in cloud Computing with Combined Cryptographic Approach", <i>International Journal of Pure and Applied Mathematics</i> , Vol-120, Issue No.6, August 2018, pp49-51.   |
| 14. | Dr. Prabhudeva S and Shivanna K, "Ensure Date Protection in cloud Computing using ASCII based Encryption Technique", <i>International Journal of Innovative and Exploring Engineering (IJIIEE)</i> , Vol-8, Issue No.10, August 2019, pp837-842.                                 |
| 15. | Dr. Prabhudeva S and Shivanna K, "Privacy Preservation in Cloud Computing with Double Encryption Method", <i>International Journal of Computer Communication, Networking and Internet Security, Lecture Notes in Networks and Systems 5</i> , DOI 10.1007/978-981-10-3226-4_12   |
| 16. | Dr. Prabhudeva S and Ganavi M, "An Approach to achieve message integrity using SHA-256 and Elliptic Curve Cryptography with Salting", <i>JNNCE Journal of Engineering &amp; Management</i> , Vol-6, Issue No.1, Jan-June 2022, pp49-56.  |
| 17. | Dr. Prabhudeva S and Ganavi M, Hemanth Kumar N P "An Efficient Image Steganography Scheme Using Bit-plane Slicing with Elliptic Curve Cryptography and Wavelet Transform", <i>International Journal of Computer Network and Information security</i> , Vol-4, Aug 2022, pp43-59. |
| 18. | Dr. Prabhudeva S and Ganavi M, Sankhya N Nayak " A Secure Image Encryption and Embedding Approach using MRSA and RC6 with DCT Transformation", <i>International Journal of Computer Networks and Applications (IJCNA)</i> , Vol-9, Issue 3, May-June 2022, pp262-278.            |
| 19. | Dr. Prabhudeva S and Ganavi M, "A Novel Approach to Enhance Image Security Using Hyperchoas with Elliptic Curve Cryptography", <i>International Journal of Rough sets and Data analysis</i> , Vol-7, Issue 1, May-June 2022, pp1-17.DOI: 10.4018/IJRSDA.288520.                  |
| 20. | Prabhudeva S and Hemanth Kumar N P, "A Novel Secure Bucket Access Protocol for Leveraging User's Data Privacy in Cloud Environment", <i>Springer-Verlag Berlin Heidelberg</i> 2011.  |

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| 21 | Dr. Prabhudeva S and Hemanth Kumar N P, "Layer based Optimal Privacy Preservation of the On-premise Data Supported by Dual Authentication and Lightweight on Fly Encryption in Cloud Ecosystem.", <i>WirlessPersCommun</i> DOI: 10.1007/s11277-015-2917-x   |
| 22 | Dr. Prabhudeva S and Pramodkumara M, "Rice Grains Quality Assess and Categorization using Image Processing Technique" <i>International Journal of Advanced Research in Science, Communication and Technology (IJAR SCT)</i> , Volume 2, Issue 6, June 2022, pp420-423. DOI: 10.48175/IJAR SCT-5046.                                   |
| 23 | Dr. Prabhudeva S and Meghana D R, "Image Processing based Arecanut Diseases Detection Using CNN Model", <i>International Journal of Advanced Research in Science, Communication and Technology (IJAR SCT)</i> , Volume 2, Issue 6, June 2022, pp747-752. DOI: 10.48175/IJAR SCT-5154.   |
| 24 | Dr. Prabhudeva S and H S Yashaswini, "Customer Lifetime Value Prediction", <i>International Journal of Advanced Research in Science, Communication and Technology (IJAR SCT)</i> , Volume 2, Issue 6, June 2022, pp805-810. DOI: 10.48175/IJAR SCT-5162.  |
| 25 | Dr. Prabhudeva S and Aishwarya A, "Detection of Skin Cancer Based on Image Processing using Machine Learning", <i>International Journal of Advanced Research in Science, Communication and Technology (IJAR SCT)</i> , Volume 2, Issue 6, June 2022, pp90-93. DOI: 10.48175/IJAR SCT-5302.  |
| 26 | Dr. Prabhudeva S and Sushma Y S, "Three Level Graphical Password Authentication System with File Encryption", <i>International Journal of Advanced Research in Science, Communication and Technology (IJAR SCT)</i> , Volume 2, Issue 6, June 2022, pp811-815. DOI: 10.48175/IJAR SCT-5163.   |
| 27 | Dr Prabhudeva S and Abhishek H, "Online Birth Certificate Generation System", <i>International Journal of Innovative Research in Computer and Communication Engineering</i> , Vol. 11, Issue 7, July 2023, pp9115-9123. DOI: 10.15680/IJIR CCE.2023.1107017.  |
| 28 | Dr Prabhudeva S and Vinod kumar S, "Smart Car Parking using ESP32 Micro- Controller based on IOT", <i>International Journal of Innovative Research in Computer and Communication Engineering</i> , Vol. 11, Issue 7, July 2023, pp9196-9202. DOI: 10.15680/IJIR CCE.2023.1107030.   |
| 29 | Dr Prabhudeva S and Abhishek H, "Online Birth Certificate Generation System", <i>International Journal of Innovative Research in Computer and Communication Engineering</i> , Volume 11, Issue 7, July 2023, pp9115-9123. DOI: 10.15680/IJIR CCE.2023.1107017.  |
| 30 | Dr Prabhudeva S and Abhishek N M, "Gesture Control", <i>International Journal of Innovative Research in Computer and Communication Engineering</i> , Volume 11, Issue 7, July 2023, pp 9341- 9347. DOI: 10.15680/IJIR CCE.2023.1107055.   |
| 31 | Dr Prabhudeva S and Chiranjeevi Chandrasekhar K, "The Phishing Sleuth Using Machine Learning", <i>International Journal of Innovative Research in Computer and Communication Engineering</i> , Volume 11, Issue 6, June 2023, pp 8794- 8800. DOI: 10.15680/IJIR CCE.2023.1106062.   |
| 32 | Dr Prabhudeva S and Darshan G S, "An Approach to Secure Data Sharing in the Internet of Things Using Blockchain-Based Proxy Re-Encryption", <i>International Journal of Innovative Research in Science, Engineering and Technology (IJIR SET)</i> , Volume 12, Issue 7, July 2023, pp 9735- 9739. DOI:10.15680/IJIR SET.2023.1207101. |
| 33 | Dr Prabhudeva S and Nayana M J, "Real Time Student Monitoring System an Anti-cheat System using Machine Learning", <i>International Journal of Innovative Research in Computer and Communication Engineering</i> , Volume 11, Issue 7, July 2023, pp 9175 - 9179. DOI: 10.15680/IJIR CCE.2023.1107026.                                |
| 34 | Dr Prabhudeva S and Prathiksha D, "Foot Ulcer Detection Using Machine Learning", <i>International Journal of Innovative Research in Computer and Communication Engineering</i> , Volume 11, Issue 7, July 2023, pp 9275 - 9280. DOI: 10.15680/IJIR CCE.2023.1107044.  |
| 35 | Dr Prabhudeva S and Vinod Kumar S, "Smart Car Parking using ESP32 Micro-Controller based on IOT", <i>International Journal of Innovative Research in Computer and Communication Engineering</i> , Volume 11, Issue 7, July 2023, pp 9196 - 9202. DOI: 10.15680/IJIR CCE.2023.1107030.   |
| 36 | Hemanth Kumar N P, Prabhudeva S, "An Authorization framework for Preserving Privacy of Big Medical Data via Blockchain in Cloud Server" <i>IJACSA</i> , Volume 13, Issue 3, March 2022,140-150.   |

| Conferences |  |
|-------------|--|
| 1           | S. Prabhudeva, A. K Verma, A. Srividya and Gopica Vinod, "Comparative studies of various solution techniques for dynamic fault tree analysis of computer based systems", <i>International Conference on Reliability, Safety and Hazard-ICRESH05</i> , December 1-3, 2005, Mumbai, India, pp255-261, Narosa Publishing house.   |
| 2           | S. Prabhudeva, A. K Verma, A. Srividya and Gopica Vinod, "Comparative study on several PAND gate models and fuzzification of these using fuzzy reliability theory", <i>International Conference on Quality, Reliability and Infocom Technology - ICQRIT</i> , New Delhi, Dec 2-4, 2006.  |
| 3           | S. Prabhudeva, A. K Verma and A. Srividya, "A case study on uncertainty analysis of fuzzy parameters using fuzzy fault tree", <i>National Conference on Mathematical Modeling and their Applications - OPTIMA</i> , New Delhi, 28-29th April 2007.   |
| 4           | Prabhudeva S, Shivanna K, "Privacy Preservation in Cloud Computing with Double Encryption Method", International conference on soft computing, Intelligent systems and applications by Springer, Bangalore, 08 April 2016.   |
| 5           | Prabhudeva S, Ganavi M, "A secure Data Transmission using modified RSA and Random Pixel replacement Steganography", IEEE international conference on current trend towards converging Technologies (ICCTCT 2018) Coimbatore, Tamil Nadu, India. 01-03, March 2018.   |
| 6           | Prabhudeva S, Shivanna K, "Ensure Confidentiality and Authenticity of cloud data: an effective approach", National conference, NCETERM-Delta 2018 held on 26 <sup>th</sup> and 27 <sup>th</sup> October 2018 at GM Institute of Technology, Davanagere.  |
| 7           | Dr. Prabhudeva S and Shivanna K, "Privacy Preservation in Cloud Computing with Double Encryption Method", International Conference on soft computing, Intelligent Systems and Applications, April 2016.  |
| 8           | Dr. Prabhudeva S and Shivanna K, "A security Message Integrity in cloud computing with combined cryptographic approach", International Conference on Recent Innovations in Science, Engineering and Technology(ICRISET-18), on 18 <sup>th</sup> and 19 <sup>th</sup> May 2018.   |
| 9.          | Dr. Prabhudeva S and Shivanna K, "A security Message Integrity in cloud computing with combined cryptographic approach", International Conference on Recent Innovations in Science, Engineering and Technology(ICRISET-18), on 18 <sup>th</sup> and 19 <sup>th</sup> May 2018.   |
| 10.         | Prabhudeva S and Ganavi M, "An Approach to Enhance Image Security Using Modified RSA and DCT Transformations", 2 <sup>nd</sup> International Conference on Emerging Trends in Science, Engineering and Management, Organized by Department of Electronics and communication Engineering, GMIT, Davangere, Karnataka, India. held on 15 <sup>th</sup> & 16 <sup>th</sup> July 2021. |
| 11          | Hemanth Kumar N P, Prabhudeva S, "SBAP: A Novel Secure Bucket Access Protocol for Leve-raging User's Data Privacy in Cloud Environment", 10th Computer Science On-line Conference 2021(Springer), Volume 230, 37-46.   |