

Dr. PRADEEP. N BE (E &CE), M. Tech. (Comp. Engg.), Ph.D. (CS and E)
Associate Professor
Dept. of CS and E,
Bapuji Institute Engineering and Technology,
DAVANGERE -577004, Karnataka, India
Mob: +91-98860-86840
Email: nmnpradeep@gmail.com



Google Scholar link: <https://scholar.google.co.in/citations?user=Wo63lhcAAAAJ&hl=en>
LinkedIn Profile link: <https://www.linkedin.com/in/drpradeep-n-1745b3103/>

RESEARCH INTEREST

Machine Learning, Artificial Intelligence, Data Mining, Pattern Recognition, Knowledge Discovery, Medical Image Analysis and Data Analytics.

RESEARCH GUIDANCE

Presently guiding TWO research scholars in Visvesvaraya Technological University, Belagavi, Karnataka on the research areas of Medical Image Analysis and Knowledge Discovery

TEACHING EXPERIENCE Having **18 years** of teaching experience and **8 years** in research

- Working as Professor from May 1st 2021 to till date in Computer Science and Engineering, BIET, Davangere, Karnataka, India.
- Working as M.Tech. Coordinator Computer Science and Engineering, BIET, Davangere from January 2015 to till date.
- Worked as Associate Professor from December 1st 2014 to April 2021 in Computer Science and Engineering, BIET, Davangere, Karnataka, India.
- Worked as Assistant Professor from September 2008 to November 2014 in Computer Science and Engineering, B.I.E.T., Davangere, Karnataka, India.
- Worked as Lecturer from September 2003 to August 2008. in Computer Science and Engineering, B.I.E.T., Davangere, Karnataka, India.

EDUCATION

Ph.D. in Computer Science and Engineering from Visvesvaraya Technological University, Belagavi, Karnataka, India, during 2014-15.

M.Tech. in Computer Engineering from SJCE, Mysore. Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka, India, during 2002

PROFESSIONAL MEMBERSHIP

- Member of Institute of Electrical and Electronics Engineers (MIEEE)
- Member of Association for Computing Machinery (ACM)
- Member of Institute of Engineers (IE)
- Member of Indian Society for Technical Education (ISTE)
- Member of International Association of Engineers (MIAENG)

PATENTS

Indian Patent: Filed an Indian Patent on 26/07/2019 and its title is “*System of Smart Multi - Functional Traffic Light Using Organic Solar Cell*”, Patent application number is 201911030347 and the application is published.

International Patent Grant: Filed an Australian patent on 07/10/2020 and is granted 11/11/2020 and its title is “*The Severity Level and Early Prediction of COVID-19 using CEDCNN Classifier*”, Patent number: 2020102631

INTERNATIONAL RECOGNITION

Appointed as Senior Member, Iranian Neuroscience Society-FARS Chapter (SM-FINSS) for the duration of TWO years (March 1st 2021 to March 2nd 2023), SM-FINSS No.: 20301SMFINSS

EDITED BOOKS

1. Dr. Mangesh M Ghonge, Dr Pradeep N and Ahmed J Obaid, “*Understanding Pattern Analysis*”, to be published by Nova Science Publishers. [In Progress]
2. Dr. Sandeep Kautish, Dr. Prasenjit Chatterjee, Dr. Dragan Pamucar, Dr. Pradeep N, Dr. Deepmala Singh, “*Computational Intelligence for Modern Business Systems - Emerging Applications and Strategies*”, to be published by Springer Nature Singapore Pte Ltd. [In Progress]
3. Manoj Kumar M V, B. Annappa, N. Pradeep, Sandeep Kautish and Vijayakumar Varadarajan, “*Advances in Data Science Driven Technologies (Vol. title: Computer Assistive Technologies for Physically and Cognitively Challenged Users)*”, to be published by Bentham Science Publishers. [In Progress]
4. Vinod Kumar Shukla, P.M. Kulkarni, Deepika Gaur, Pradeep N., Jean Paolo G. Lacap and Amina Omrane, “*Industry 4.0 and People Analytics: A technical perspective of HRM*” [In Progress]
5. Pradeep N and Sandeep Kautish, “*Leveraging AI Technologies for Preventing and Detecting Sudden Cardiac Arrest and Death*”, to be published by IGI Publishers, USA. [In Progress]
6. Pradeep N and Mangesh Manikrao Ghonge, “*Blockchain Technologies and Applications for Digital Governance*”, to be published by IGI Publishers, USA. [In Progress]
7. S B Goyal, Pradeep N and Piyush Kumar Shukla, “*Utilizing Blockchain Technologies in Manufacturing and Logistics Management*”, to be published by IGI Publishers, USA. [In Progress]
8. Yousaf Bin Zikria, Vinod Kumar Shukla, Pradeep N, Manoj Kumar M V, Harry Haoxiang Wang and Ali Kashif Bashir, “*Industry 5.0: A New Revolution Through Human-Centric Solution*”, to be published by De Gruyter Publishers, Germany. [In Progress]

9. Pradeep N, Sandeep Kautish and Sheng Lung Peng, “*Demystifying Big Data, Machine Learning and Deep Learning for Healthcare Analytics*”, to be published by Elsevier Publishers. [In Production]
10. Roshani Raut, Pranav Pathak, Sandeep Kautish and Pradeep N, “*Intelligent Systems for Rehabilitation Engineering*”, to be published by Wiley, Scrivener Publishing. [In Progress]
11. N. Pradeep, Sandeep Kautish, C.R. Nirmala, Vishal Goyal and Sonia Abdellatif, “*Modern Techniques for Agricultural Disease Management and Crop Yield Prediction*”, 2019, IGI Publishers, USA. LCCN 2019005482 | ISBN 9781522596325 (hardcover) | ISBN 9781522596332 (softcover) | ISBN 9781522596349 (ebook) [Scopus Indexed]

PUBLICATIONS

Book Chapters:

1. Rajesh T M, Kavyashree Dalawai and Pradeep N “*Automatic Data Acquisition and Spot Disease Identification System in Plants Pathology Domain: Agricultural Intelligence System in Plant Pathology Domain.*”, Modern Techniques for Agricultural Disease Management and Crop Yield Prediction, edited by N. Pradeep, et al., IGI Global, 2020, pp. 111-141. DOI:10.4018/978-1-5225-9632-5.ch006
2. Santosh K.C. and Pradeep N., “*Knowledge Discovery (Feature Identification) from Teeth, Wrist and Femur Images to Determine Human Age and Gender*”. In: Jain V., Chatterjee J. (eds), Machine Learning with Healthcare Perspective, Learning and Analytics in Intelligent Systems, vol 13., 2020, Springer, Cham. DOI:10.1007/978-3-030-40850-3_7
3. Manoj Kumar M V, Pradeep N and Sanjay H A, “*Predictive Analysis and Modelling in Healthcare Systems*”, Demystifying Big Data, Machine Learning and Deep Learning for Healthcare Analytics”, to be published by Elsevier Publishers. [In Production]
4. G. Madhu, B Lalith, B Rohit, K Sai Vardhan, Sandeep Kautish and Pradeep N, “*Convolutional Siamese Networks for One-Shot Malaria Parasites Recognition in Microscopic Images*”, Demystifying Big Data, Machine Learning and Deep Learning for Healthcare Analytics”, to be published by Elsevier Publishers. [In Production]
5. Roopa G M, Pradeep N and Arun Kumar G H, “*AGRO-CHAIN: Blockchain Powered Micro-Financial Assistance for Farmers*”, Blockchain Based Security Solutions for Big Data and IoT Applications, edited by Dr. Arun Solanki, Dr. Loveleen Gaur and Dr. Vishal Jain, to be published by Apple Academic Press. [Accepted]
6. Roopa G M, Shryavani K and Pradeep N,” *Perception of Artificial Intelligence for Translational Research: Future of Healthcare*”, Advanced Artificial Intelligence Techniques and its Applications in Bioinformatics, edited by Dr Loveleen Gaur, Dr Arun

Solanki, Dr Samuel Fosso Wamba and Dr Noor Zaman Jhanjhi, to be published by Taylor and Francis, CRC Press. [Communicated]

In International Journals:

1. Santosh K C and Pradeep N, “***Novel Approach to Determine Age and Gender from Wrist X-ray images***”, Turkish Journal of Computer and Mathematics Education, Vol. 12 No.3, 2021, pp 5215-5229, e-ISSN 1309-4653, DOI: <https://doi.org/10.17762/turcomat.v12i3.2151> [**Scopus Indexed**]
2. Pradeep N and Sowmya M S, “***Recognition of Fruit and Grading automatically using Machine Learning***”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429, Vol. 8, Issue VIII, August 2020, pp 931-939, <https://doi.org/10.22214/ijraset.2020.31003>
3. Mohan Kumar K N, S. Sampath, Mohammed Imran, Pradeep. N, “***Prediction of Diagnostic Codes of Chronic Condition for Preventive Care***”, International Journal of Advanced Science and Technology, ISSN: 20054238 IJAST, Vol. 29, No. 03, (2019), pp. 6454 - 6463 [**Scopus Indexed, SCI Indexed**]
4. Swetha V Patil and Pradeep N, “***Speech Translation System for Language Barrier Reduction***”, International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN: 2395-0072, Vol. 06, Issue 08, pp 107-112, Aug 2019.
5. Apoorva T and Pradeep N, “***Aspect Based Sentiment Analysis with Text Compression***”, International Journal of Computer Sciences and Engineering, ISSN 2347-2693 (E) Vol.5, Issue.8, pp.63-66, 2017, DoI: <https://doi.org/10.26438/ijcse/v5i8.6366>
6. Bhavana Shastry M and Pradeep N, “***Comparison of Structure Based Models for Handwritten English Character Recognition***”, International Journal of Computer Sciences and Engineering, ISSN 2347-2693 (E) Vol.5, Issue.8, pp.126-130, 2017., DoI: <https://doi.org/10.26438/ijcse/v5i8.126130> (UGC)
7. Vidyashree H S and Pradeep N, “***Identification of Teeth, Wrist and Femur Bone Features for Age and Gender Identification,***” International Journal of Computer Science Engineering (IJCSE), ISSN: 2319-7323, Vol. 6 No.01, pp. 29-41, Jan 2017,
8. Pradeep N, Girisha H and K Karibasappa, “***Segmentation and Feature Extraction of Tumors from Digital Mammograms***”, Computer Engineering and Intelligent Systems, IISTE, ISSN: 2222-1719(Paper) ISSN: 2222-2863(Online), Vol.3, No.4,

pp.37-46, 2012.

9. Pradeep N, Girisha H, Sreepathi B and K. Karibasappa, "***Feature Extraction of Mammograms***", International Journal of Bioinformatics Research, ISSN: 0975-9115, EISSN: 0975-9115, Vol. 4, Issue 1, pp.241-244, 2012.

In International and National Conferences:

1. Naveen S Pagad and Pradeep N, "***Clinical Named Entity Recognition Methods: An Overview***", International Conference on Innovative Computing and Communication, February 20-21, 2021, Shaheed Sukhdev College Of Business Studies, University Of Delhi, New Delhi In Association With University Of Valladolid Spain And National Institute Of Technology Patna.
2. Mohan Kumar K N, S Sampath, Mohammed Imran, and Pradeep N, "***Clustering Diagnostic Codes: Exploratory Machine Learning Approach for Preventive Care of Chronic Diseases***", 8th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2020), January 4 - 5, 2020, National Institute of Technology Karnataka, Surathkal, India.
3. Santosh K C and Pradeep N, "***Development of Human Age and Gender Identification system from Teeth, Wrist and Femur Images***", In the Proceedings of Sustainable Computing in Science, Technology and Management (SUSCOM-2019), Amity University, Jaipur, pp. 640-644, 2019.
4. Pradeep N, Vinayaka, Vishal K P and Spurthi U Devaki, "***IoT based Smart Home Security***", 13th National Conference on Recent Trends in Computer Science and Engineering, SJBIT, Bengaluru, May 2018.
5. Pradeep N and Sandeep B, "***Machine Learning Approach for the Identification of Diabetes Retinopathy and its Stages***", In the Proceedings of 2015 IEEE International Conference on Applied and Theoretical Computing and Communication Technology (ICATccT 2015), IEEE Part Number: CFP15D66-USB, ISBN: 978-1-4673-9222-8, pp.653 – 658, doi: 10.1109/ICATCCT.2015.7456906.
6. Pradeep N and Madhumathi V J, "***Plant Identification System Using its Leaf Features***", In the Proceedings of 2015 IEEE International Conference on Applied and Theoretical Computing and Communication Technology (ICATccT2015), IEEE Part Number: CFP15D66-USB, ISBN: 978-1-4673-9222-8, pp. 338–343, doi: 10.1109/ICATCCT. 2015.7456906.
7. Manjunath P Shirageri and Pradeep N "***Secure Message Communication for Battlefield Soldiers Using Android***", International Conference on Computer Science

and Information Technology (ICCSIT), Tirupati, India, June 10 2012.

8. Manjunath P Shirageri and Pradeep N “***An Extensible framework for efficient secure SMS transfer over android platform***”, National conference on Innovation in Computers Information & Communication, Sasurie college of Engineering, Vijayamangalam, Tirupur, India, March 17 2012.
9. Manjunath P Shirageri and Pradeep N “***Secure Message Communication for Battlefield Soldiers Using Android***”, National Conference on Current Trends in Computer Science and Engineering, Jain University, Bangalore, May 26 2012.
10. Manjunath P Shirageri and Pradeep N “***Current Attacks in Android: A Survey***”, National Conference on Emerging and Innovative Trends in Computer Science Vasavi College of Engineering, Ibrahimbagh, Hyderabad, May 1-2 2012.
11. Manjunath P Shirageri and Pradeep N “***Location Based Services for Battlefield Soldiers Using Android***”, National Conference on Current Trends & Challenges in Information Technology, Sambhram Institute of Technology, Bangalore, May 11 2012.
12. Pradeep N and K Karibasappa “***Comparative Study of tumor classification in Mammography images using ANN and SVM***”, International Symposium on Global Trends in Biomedical Informatics Research, Education, and commercialization, Chennai, January 11-12 2008.
13. Pradeep N, K Karibasappa, Shankaragouda B and V Ramaswamy “***An Artificial Neural Network Approach for Mammography images Feature Extraction***” In the Proceedings of International Conference on Cognition and Recognition, PES college of Engineering, Mandya, December 22 2005.
14. Pradeep N and K Karibasappa “***Computer Aided Diagnosis of Solid Breast Nodules using Artificial Neural Network Approach and Expert System***”, 3rd National Conference on Mathematical and Computational Models (NCMCM 2005), Kaveraipeitai, Tamilnadu, December 15-16 2005.
15. Pradeep N and K Karibasappa “***An ANN approach for the detection of Solid Breast Nodules***”, 2nd National Conference on DBMS and Networking, Erode Sengunthar Engineering College, Thudupathi, TamilNadu, September 8-9 2005.
16. Pradeep N and K Karibasappa “***An ANN approach for the detection of Solid Breast Nodules***”, National Level Conference on Recent Trends in Information Technology, Sir M. Visvesvaraya Institute of Technology. August 2-3 2005.
17. Pradeep N and K Karibasappa “***Computer-Aided Diagnosis of Solid Breast Nodules using an Artificial Neural Network Approach and Expert System***”, National

Conference High Performance Computing and Communications, R.M.K Engineering College, Kavaraipettai, Tamilnadu, September 15-16 2005.

CERTIFICATIONS

1. Completed certified course on “*Digital Teaching Techniques*”, ICT Academy, India, 26-12-2020, Verification No.: DTT-7672

ACHIEVEMENTS

1. Awarded as “**Outstanding Teacher in Computer Science and Engineering**”, during 3rd Global Outreach Research and Education Summit and Awards 2019, organized by Global Outreach Research and Education Association.
2. Reviewer for various reputed International Conferences and International Journals.
3. **Mission10X Certification** Course have been successfully completed and approved by Mission10X group from Wipro Technologies Pvt. Ltd., Bangalore.
4. Project entitled “**Implementing Secured Systems using Cued Click Points**” and “**Absolute Live Support**” has been awarded as “**Best Project**” in the CS & E Dept.in the **In-House Project Exhibition** in year **2010** and **2011** respectively. The project was carried out under my guidance.
5. Two Times awarded as a top teacher during 2003-04 and 2007-08.
6. Students’ project was selected for **KSCST- project exhibition** held at Basweshwara Engineering College, Bagalkot on 2nd and 3rd Sept 2005 under my guidance.
7. Won **2nd** place in shuttle-cock match conducted by Bio-Medical forum in 2006.
8. Four B.E. final year projects have been sponsored by KSCST under my guidance.

SHORT TERM COURSES/WORSHOPS

Attended

1. One Week Online Indo-German SPARC Symposium cum Workshop on “Recent Advances in Machine Translation (RAMT-2021)”, 15-03-2021 to 19-03-2021 organized by National Institute of Technology Silchar, Assam,
2. 5 days ATAL Online FDP on “Leadership and Excellence” from 07-09-2020 to 11-09-2020 organized by Indian Institute of Technology, Hyderabad.
3. Online Faculty Enablement Program on “Python Programming through INFYTO platform from 06-07-2020 to 13-07-2020 conducted by Infosys Limited and awarded with A+ Grade.
4. 5 days Faculty Development Program on “Data Science and Big Data Analytics”,

conducted by ICT Academy on 21-01-2020 to 25-01-2020 at Bapuji Institute of Engineering and Technology, Davangere.

5. VTU TEQIP 1.3 Sponsored 5 days Faculty Development Programme on “Implementation of Outcome Based Education in Higher Educational Institutions”, organized by SIT, Tumkuru, from 8th July to 12th July 2019.
6. 5 days Faculty Development Programme on “Soft Computing Approaches to Image Processing and Pattern Recognition” conducted by CS & E dept., Basaveshwar Engineering College (Autonomous), Bagalkot from March 20th to 24th March 2010.
7. 5 Days workshop on “High Impact Teaching Skills” conducted by Wipro Technologies Pvt. Ltd. conducted in BIET, Davangere from Feb 2nd to Feb 8th 2010.
8. Two days workshop on “Research Methodologies” conducted by VTU at MSRIT, Bangalore during May 2009.
9. QIP –Short Term Faculty Development program on “Ubiquitous Computing” conducted by IISC in Bangalore during 2005. Attended a short-term course on “Constitution of India and Philosophical Ethics “conducted by BIET in Davangere during 2005.
10. Short-term course on “Quality of Service on Internet “conducted by BIET in Davangere during 2005.
11. Short-term course on “Unleash the Full Potential of Power Linux” conducted by BIET in Davangere during 2004.
12. One day workshop to finalize the VTU syllabus for B.E. (CSE/ISE) branches during 2004, held at KLE’s Gogte Institute of Technology., Belagavi.

RESPONSIBILITIES

- Department (Program) NBA Coordinator
- Dean Alumni Association
- Coordinator for New Generation Innovation and Entrepreneurship Development Centre (NewGen IEDC), Sponsored by National Science & Technology Entrepreneurship Development Board (NSTEDB), Department Science and Technology, Government of India.
- Placement Officer [Till 2020]
- SPoC for Smart Hackathon 2017, 2018, 2019 and 2020
- Student Mentor for higher semester students.
- Involved in CS & E forum activities.

PROJECT GUIDED

For B.E.: 54 batches

For M.Tech.: 28 students

SUBJECTS TAUGHT

For B.E.

User Interface Design, Programming the Web, Object Oriented Programming with C++, Unix and Shell Programming, Storage Area Networks, Operating Systems, System Simulation and Modelling, Computer Networks, Computer Professional and Philosophical Ethics, Software Engineering, Object Oriented Analysis and Design, Multimedia Communications, Database Management Systems, JAVA

For M.Tech.

Cyber Security and Cyber Law, Research Methodology, OOAD and Design Patterns, Topics in Multimedia Communications, Protocol Engineering, Advances in Storage Area Networks, Information and Network Security, Pattern Recognition, Cloud Computing.