

Dr. Nanditha B R

Professor , Dean Academics

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PROFILE

Creative and passionate teacher dedicated to fostering a student-centered classroom environment based on mutual respect and collaboration. Committed to help students identify and develop their own passions while becoming successful, confident graduates.

EDUCATIONAL CREDENTIALS

Degree	University/Institution
Ph.D.	Malnad College of Engineering, Hassan–VTU
M.Tech (CS&E)	Malnad College of Engineering, Hassan–VTU
B.E.(CS&E)	Malnad College of Engineering, Hassan–VTU

TEACHING EXPERIENCE - 23 years

ROLES AND RESPONSIBILITIES

- ✓ Department level NBA Coordinator
- ✓ Department level NAAC Coordinator
- ✓ Department level Contineo coordinator
- ✓ Department level BOE chairman
- ✓ Department level BOS Member
- ✓ Department level IQAC coordinator
- ✓ Coordinator for IEEE conference, ICDSIS, held at MCE, Hassan during July, 2022
- ✓ Member of Academic Council from 2017 to 2019
- ✓ Member of Academic Development Committee (ADC)
- ✓ Served as college level faculty feedback coordinator for 5 years from 2010 to 2015
- ✓ Guided KSCST approved students project "Texture Analysis of Color Images for Lesion Detection" during 2018
- ✓ Department association activity coordinator for 5 years from 2008 to 2013
- ✓ Involved in the inspection of High schools of Hassan district under Mahiti Sindhu Programme of Government of Karnataka

- ✓ Involved in the Campus Connect Program as an instructor conducted in MCE with co-ordination of Infosys foundation
- ✓ Member of anti ragging committee till date
- ✓ Faculty Advisor for 1 batch of students
- ✓ Department level faculty mentor for students of second, third and fourth year
- ✓ Coordinator for annual events at the college level – Graduation day, Orientation day, Alumni Meet
- ✓ Campus Disciplinary Committee (CDC) Member
- ✓ Member of Women Proctor Cell

PROFESSIONAL MEMBERSHIPS

1. IEEE Membership
2. Indian Society for Technical Education (ISTE) Membership
3. Computer Society of India (CSI) Membership

INVITED LECTURES/ RESOURCE PERSON/SESSION CHAIR/WORKSHOPS CONDUCTED

Month and Year	Institution	Programme Name	Target Group	Role
20/01/2025 to 24/01/2025	ME-RIISE Foundation, MCE, Hassan	Six-week Internship Programme organized by MSME, DFO, Bangalore	Students	Resource Person
04/11/2024 to 08/11/2024	ME-RIISE Foundation, MCE, Hassan	One-week Management Development Programme organized by MSME, DFO, Bangalore	Clerical Staff	Resource Person
07/03/2024	Dept.of CSE, MCE, Hassan	Convivial Coding – Scratch Project Expo – 2024	Students	Jury member
15/02/2024 to 17/02/2024	Akshara School of Excellence, Channarayapattana	3 days' workshop on “Basics of Programming Languages”	Students	Resource Person
22/06/2024	Navkis College of Engineering, Hassan	The SQL Programming Essentials for Beginners	Students	Resource Person
17/05/2024 to 18/05/2024	Malnad College of Engineering, Hassan	2nd IEEE International Conference on Data Science and Information System (ICDSIS – 2024)	-	Session Chair

17/05/2024 to 18/05/2024	Malnad College of Engineering, Hassan	2nd IEEE International Conference on Data Science and Information System (ICDSIS – 2024)	-	Organizing Committee Member
03/11/2015	MCE, Hassan	Technical Report Writing using Latex	Students	Coordinator
02/12/2016 to 03/12/2016	MCE, Hassan	Linear Algebra and its Applications	Faculty	Coordinator
13/07/ 2018	MCE, Hassan	Writing Effective Course Outcomes	Faculty	Coordinator
06/08/2018 to 08/08/2018	Johrat Engineering College, Johrat, Assam	Programming Skill Enhancement, Professional Reporting Tool Introduction and Best Practice Sharing	Students	Resource Person
August 2018	MCE, Hassan	Internship Program for NDRK Institute of Technology Students	Students	Resource Person

DETAILS OF PAPERS PRESENTED IN SEMINARS/SYMPOSIUM/CONFERENCE

International Journals	National Journals	International Conferences	National Conferences	TOTAL
20	--	02	-	22

Research Publications

1. **Nanditha B R**, Geetha Kiran A, “Oral Malignancy Detection using Color Features from Digital True Color Images”, International Journal of Online and Biomedical Engineering (IJoE), Volume 16, No.14, 2020, <https://doi.org/10.3991/ijoe.v16i14.17429> (**Scopus and ESCI Indexed**).
2. **Nanditha B R**, Geetha Kiran A, “An Ensemble Deep Neural Network Approach for Oral Cancer Screening”, International Journal of Online and Biomedical Engineering (IJoE), Volume 17, No.2, 2021, <https://doi.org/10.3991/ijoe.v17i02.19207> (**Scopus and ESCI Indexed**).
3. **Nanditha B R**, Geetha Kiran A, “A Review on Imaging Modalities and Techniques for Oral Malignancy Detection”, International Journal of Current Research and Review (IJCRR), Volume 13, Issue 22, 2021 (**Scopus Indexed**).
4. **Nanditha B R**, Geetha Kiran A, “Oral Cancer Detection using Machine Learning and Deep Learning Techniques, International Journal of Current Research and Review (IJCRR), Volume 14, Issue 2, 2021 (**Scopus Indexed**).

5. **Nanditha B R**, Geetha Kiran A, “Texture Analysis of Color Oral Images for Lesion Detection”, IEEE 2020 International Conference on Computational Performance Evaluation (ComPE), North-Eastern Hill University, Shillong, Meghalaya, India, Jul 2-4, 2020.
6. **Nanditha B R**, Geetha Kiran A “Oral Database“ Database hosted on **Mendeley** Database, Elsevier, available at <https://data.mendeley.com/datasets/mhjyrn35p4/2>.
7. Geetha Kiran A, **Nanditha B R**, “Effective Tutoring with senior students’ assistance”, Journal of Engineering Education Transformations, Volume 31, Issue 3, 2018(**Scopus Indexed**).
8. Geetha Kiran A, **Nanditha B R**, “Inter-Departmental Student Projects -Challenges and Benefits”, Journal of Engineering Education Transformations, Volume 31, Issue 3, 2018(**Scopus Indexed**).
9. Geetha Kiran A, **Nanditha B R**, “An Empirical Vision for Inspiring Students as a Core Driver to meet Global Challenges”, Journal of Engineering Education Transformations, Volume 30, Issue 3, 2017(**Scopus Indexed**).
10. **Nanditha B R**, Geetha Kiran A, , “Train the Trainer - An Experiential way to effective teaching”, Journal of Engineering Education Transformations, Volume 30, Issue 3, 2017(**Scopus Indexed**).
11. **Nanditha B R**, Moulya R “Wealth Prosper – A finance managing app”, International Journal of Innovative Research in Computer & Communication Engineering, April 2022.
12. **Nanditha B R**, Ganavi M “Hostel Management System for Efficient Maintenance of Records”, International Journal of Innovative Research in Computer & Communication Engineering, April 2022.
13. **Nanditha B R**, Tribhuvan M “Security Authentication System”, International Research Journal of Modernization in Engineering Technology and Science, March 2023.
14. **Nanditha B R**, Niharika Gowda “Prediction of Fetus Weight in high risk pregnancies”, International Research Journal of Modernization in Engineering Technology and Science, January 2023.
15. **Nanditha B R** , A Nada Fazal, Deepika B.V, Namitha D, Thejaswini B S “Dehazing Foggy Images Using Dark Channel Prior Method”, Bulletin For Technology And History Journal, Volume 24, Issue 5, 2024 (**Scopus Indexed**).
16. **Nanditha B R** , Noor Moinuddin H S , Nagaraja , Vivek D Y , Akash G N “Smart control of traffic light using computer vision”, Bulletin For Technology And History Journal, Volume 24, Issue 4, 2024(**Scopus Indexed**).
17. **Nanditha B R** ,Devika Devaraj GD “Autism Spectrum Disorder: Analyzing Early Detection Strategies”. Journal of Technology, Volume 12 Issue 9, 2024(**Scopus Indexed**).
18. **Nanditha B R**, Amulya S S “Automated Oral Cancer Identification: DeepLearning Integration with AI-EnhancedDiagnostic Pathways”, Journal of Technology, Volume 13 Issue 2, 2025 (**Scopus Indexed**).
19. **Nanditha B R**, Gagan H D, “A Survey On Oral Cancer Detection Using ML/DL Algorithms”, Journal of Technology, Volume 13 Issue 2, 2025 (**Scopus Indexed**).
20. **Nanditha B R**, Kavya S M, “Deep Learning in Oral Cancer Detection: Bridging the Gap betweenResearch and Practice”, Journal of Technology, Volume 13 Issue 2, 2025 (**Scopus Indexed**).
21. **Nanditha B R**, Dhanushree C P, “Efficient Detection of Diabetic Retinopathy through Deep Learning: A Comprehensive Survey”, Journal of Technology, Volume 13 Issue 2, 2025 (**Scopus Indexed**).

22. **Nanditha B R, Ravi Kumar A** “Evolution of Oral Cancer Detection Techniques with VELscope and AI Integration”, 2025 International Conference on Advances in Next-Gen Computer Science (ICANCS), Bangalore, India, 2025, pp. 1-5, doi: 10.1109/ICANCS65819.2025.11377084.

Book Chapters

1. Dr. Meenakshi, Mrs.Nandini S R, Dr.C.Mahiba, **Dr.Nanditha B R**, “Hands on Data Science with R: From basics to advanced”, Clever Fox Publishing, ISBN: 9789367078310.

Patent

1. “**Machine Learning-Based Diagnostic Imaging Device**”, Design No. 439433-001 dated 25/03/2025.

WORKSHOPS/FACULTY DEVELOPMENT PROGRAMS ATTENDED

Sl. No	Name of Course/workshop/FDP	Place	Duration	Sponsoring Agency
01	One week FDP on "Emerging Trends and Research Avenues in Image Processing"	MCE , Hassan	01 st to 05 th July, 2013	TEQIP-II
02	Three-day workshop on "Deriving PEOs/POs/COs/Assessments for NBA Self-Assessment Report".	MCE, Hassan	11 th to 13 th July, 2013	TEQIP-II
03	Two weeks AICTE sponsored FDP on "Real World DSP"	CIT, Gubbi	15 th - 27 th July 2013	AICTE
04	One day training programme on "SAR Preparation for e-NBA Process"	MCE, Hassan	28 th May 2014	TEQIP-II
05	Two days FDP on the occasion of International Women's day	VTU Regional Office, Bengaluru	08 th - 09 th March, 2016	VTU
06	One week workshop on "Digital Image Processing: Basics to Recent Trends",	SJCE, Mysuru	13 th - 17 th June 2016.	TEQIP-II
07	Three days workshop on “Kalman Filters-Theory and Practice”.	MIT, Manipal	20 th - 22 nd October, 2016.	TEQIP-II
08	Two days workshop on "Linear Algebra and its Applications".	MCE, Hassan	1 st -3 rd Dec, 2016	TEQIP
09	Two days "Pre-Conference workshop on Image Classification"	University of Mysore, Mysuru	29 th March, 2018.	-
10	Two days "Hands on Training in Patent Search Techniques"	Jain University, Bangalore	21 st - 23 rd June 2018.	-
11	One week workshop on "Machine Learning"	MCE, Hassan	28 th June to 2 nd July, 2018.	TEQIP-III
12	One week FDP on “Machine learning with Python”.	BMSIT, Bengaluru	23 rd to 27 th July, 2018.	TEQIP-III

13	Three days workshop on "Product Prototyping in Internet of Things and Machine Learning"	MCE, Hassan	14 th -16 th February, 2019.	TEQIP-III
14	Two weeks AICTE sponsored FDP on "Green, Smart, 5G Technologies"	MCE, Hassan	9 th to 21 st December, 2019.	AICTE
15	One day orientation on startup and entrepreneurship competition "B-PLAN CHALLENGE FOR WOMEN"	MCE, Hassan	7 th , 2020 March	ATAL INNOVATION MISSION, NITI AAYOG, GOVT.OF INDIA
16	Two week certification course "Digital Transformation in Teaching-Learning Process"	Online	6 th – 22 nd April, 2020	TEQIP-III
17	One week "Master program on Image Processing and Computer Vision".	Online	25 th - 29 th May, 2020	Agimus Technologies
18	One week ATAL FDP on "Block Chain"	Online	03 rd - 07 th November, 2020.	AICTE
19	One week ATAL FDP on "Computer Science and Biology"	Online	19 th - 23 rd January, 2021	AICTE
20	One week AICTE sponsored FDP on "Inculcating Universal Human Values in Technical Education"	Online	18 th – 22 nd July, 2022	AICTE
21	Two weeks industrial training programme on Development of User Interface Design for Business Applications	Offline	27 th March to 08 th April, 2024	Khasso Private Ltd.
22	One week national level workshop on "Deep Learning and its applications"	Online	6 th – 10 th March, 2023	Dept.of CSE, KIT, Tiptur
23	One week FDP on "Cyber Security and Forensics"	Online	2 nd – 6 th May, 2023	Dept.of CSE, KIT, Tiptur
24	One week FDP on "Generative AI Models, Tools and Applications"	Online	29 th Jan – 02 nd Feb, 2024	Dept.of ISE, CMRIT, Bengaluru
25	One week FDP on "Cyber Security and Ethical Hacking"	Online	12 th Feb – 17 th Feb, 2024	Dept. of E&C, KIT, Tiptur
26	One week FDP on "Emerging Technologies – Shaping the future"	Online	12 th May – 16 th May, 2025	Dept. of AI&ML, BIT, Bengaluru

KINDS OF TEACHING-RELATED ACTIVITIES	NATURE OF CONTRIBUTION
TEACHING METHODS	Implemented Tool based learning for teaching the course Theoretical Foundations of Computation using JFLAP tool
	Implemented Demonstration based learning activity for the course Data Structures and Applications
	Interactive coaching with students was performed in the course Universal Human Values
	Problem Solving Based Learning activities were conducted for the course Cryptography and Network Security
	Case Study Based Learning was implemented in the course Information Storage and Management
REMEDIAL TEACHING/STUDENT COUNSELING (ACADEMIC)	Mentor for 20 students of Department of IS&E.
	Student counselor for 20 students.
	Proctor for 2 nd year girl students of IS & E to Create awareness on women security at MCE, Hassan.