

Dr. Nanditha B R

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**PROFILE**

Creative and passionate teacher dedicated to fostering a student-centred 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	Year	PERCENT (%)
Ph.D.	Malnad College of Engineering, Hassan – VTU	2022	-----
M.Tech. (CS&E)	Malnad College of Engineering, Hassan – VTU	2009	8.75
B.E. (CS&E)	Malnad College of Engineering, Hassan – VTU	2002	69.50
P.U.C	AVK College, Hassan	1998	88.30
10 th	CKS Girls' High School, Hassan	1996	94.08

TEACHING EXPERIENCE (20 years)

POSITION HELD	DURATION		LEVEL (PG/UG)	NO. OF YEARS	UNIVERSITY/INSTITUTION
	FROM	TO			
ASSISTANT PROFESSOR	10/09/2003	Till date	UG & PG	Currently working	Malnad College of Engineering, Hassan

RESEARCH (Details of Doctoral Work)

Year of Awarding	:	2022
Title of the Research Topic	:	Clinical Decision Support System (CDSS) for Oral Lesion Screening
Research Supervisor	:	Dr. Geetha Kiran A
University/Institution	:	VTU/ Dept. of CS & E, MCE, Hassan.

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

PROFESSIONAL MEMBERSHIPS

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

WORKSHOPS CONDUCTED

Month and Year	Institution	Programme Name	Target Group	Role
November 3, 2015	MCE, Hassan	Technical Report Writing using Latex	Students	Coordinator
December 2-3, 2016	MCE, Hassan	Linear Algebra and its Applications	Faculty	Coordinator
July 13, 2018	MCE, Hassan	Writing Effective Course Outcomes	Faculty	Coordinator
August 6-8, 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
13	--	01	-	14

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.
8. Geetha Kiran A, **Nanditha B R**, “Inter-Departmental Student Projects -Challenges and Benefits”, Journal of Engineering Education Transformations, Volume 31, Issue 3, 2018.
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.
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.
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.

WORKSHOPS/ FACULTY DEVELOPMENT PROGRAMS ATTENDED

Sl. No	Name of Course/Summer/Winter School	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,	AICTE

			2020.	
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

INNOVATIONS IN AND CONTRIBUTION TO TEACHING

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 about 20 students of Department of IS&E.
	Student counsellor for about 20 students.
	Proctor for 2nd year girl students of IS &E to create awareness on women security at MCE, Hassan.

COURSES OFFERED

Undergraduate	Post Graduate
Data Structures and Applications	Database Management Systems
Theoretical Foundations of Computation	Advanced DBMS
Design and Analysis of Algorithms	Finite Automata and Formal Languages
Information Storage and Management	
Cryptography, Network Security and Cyber Law	
Digital Image Processing	
Software Engineering	
Computer Graphics and Visualization	

PERSONAL DETAILS

Name: Dr.Nanditha B R
Father's Name: Sri. Ramaswamy B
Mother's Name: Smt.Nalini B C
Date of Birth: 18-12-1980
Sex: Female
Nationality: Indian
Marital Status: Married
Languages known: English, Kannada, Hindi
Address for
Correspondence: W/O Dr.Raghu J N
#144, Punyashree
Opp Land Army Office
Ashoka Road, Vidyanagar
Hassan – 573201.

Date:

Place: Hassan

(Dr.Nanditha B R)