



Dr. Dnyanda N. Hire

ASSISTANT PROFESSOR, E&TC DEPARTMENT, DR D Y PATIL INSTITUTE OF
ENGINEERING, MANAGEMENT AND RESEARCH, AKURDI, PUNE
PhD (ELECTRONICS AND TELECOMMUNICATION)

Phone: +91-8805730313

Email: dnyandahire@yahoo.in

Date of Birth : 30th May 1989

VISION, MISSION, AND OBJECTIVES

Vision: To create vibrant learning environment by blending Academia & Industry with interdisciplinary perspective in Innovation, creativity & Experiential learning.

Objectives: To establish myself as an Innovative Educator in Engineering Education and develop my skills set as an Academician & Researcher.

SUMMARY

- Assistant Professor since June 2014 till date.
- Teaching experience of 11 years.
- Ph.D. (Electronics and Telecommunication), September 2023.
- M.E. (Digital Systems) from SPPU, Pune in October 2013.
- Research paper publications in International, National Journals & Conferences.
- Worked as Project Coordinator at department level.
- Worked as NBA Criteria 3 and 7 coordinator.
- Worked as R&D Coordinator.
- Member of Professional bodies
- Good and proactive team leader with good communication skills and interpersonal skills

**EDUCATION
QUALIFICATION**

Degree	Board/ University	Year of passing	Marks obtained	Remarks
Ph. D.	SPPU, Pune	2023	-	Degree awarded
M .E.	SPPU, Pune	2013	CGPA: 8.45	First class with Distinction
B.E.	SPPU, Pune	2010	75.53%	First class with Distinction
H.S.C	Maharashtra State Board	2006	71.35%	First class
S.S.C	Maharashtra State Board	2004	80%	First class with Distinction

**PROFESSIONAL
EXPERIENCE*****TEACHING (11 Years)***

Sr. No.	Organization	Duration	Post held	Department
1	MVP, RSM, Poly, Nashik	Aug 2010 – July 2011	Lecturer	Electronics & Telecommunication
2	AVCOE, Sangamner	July 2012 – November 2012	Assistant Professor	Electronics & Telecommunication
3	DYPIEMR, Pune	23 rd June 2014-till date	Assistant Professor	Electronics & Telecommunication

**ACADEMIC
ACHIEVEMENTS**

- Received the best paper presentation award for a paper at “National Conference on Communication, Computational. Intelligence and Learning-2021”
- Invited as a expert for “Session on copyright” at G.M.D. Arts, B. W. Commerce and Science College, Sinnar, Nashik.
- First Rank in the Institute at B.E Electronics and Telecommunication Examinations
- Awarded by Scout-Guide RAJYA PURASKAR in 2002.

RESEARCH PROJECTS

- Research Proposal submitted to ISRO-SPPU on topic “A Satellite Based Enhanced Connectivity and Climate Monitoring” in August 2022(Result awaited).
- Research Proposal submitted to BIG Scheme under BIRAC, Bioincubator at Venture Center on topic “Biomedical waste segregation system” on 16th Aug., 2022 (Result awaited).

RESEARCH PUBLICATIONS

- International Journal : 14
- International Conference : 04
- National Conference : 06

SKILL DEVELOPMENT

- NPTEL certification of Analog Communication for Jul-Oct 2017 course.
- NPTEL certification of Introduction to Research for Feb-Mar 2018 course.

INDUSTRY COLLABORATIONS

- Worked with industry for 3 sponsored projects.
- Published paper “A REVIEW ON HOMECLOUD-Personal Cloud” with industry expert in April 2021.
- Attended train the trainer program of Birlasoft in 2021 and worked as a trainer for placed students of Birlasoft.

**UNIVERSITY
LEVEL
ACTIVITIES**

- Member of Paper Setter Committee of SPPU.
- Senior Supervisor for SPPU End-Sem Examination.
- Paper examiner and moderator for SPPU End-Sem Examination.

**RESEARCH
PUBLICATIONS**

- Paper published on Efficient rotated and scaled digital image retrieval model using deep learning-based hybrid features extraction in “Multimedia Tools and Applications”, Sept., 2023. <https://doi.org/10.1007/s11042-023-17016-y>
- Paper published on RS Invariant Image Classification and Retrieval with Pre-trained Deep Learning Models, in “International Journal of Advanced Computer Science and Applications”, Vol. 13, No. 6, 2022. 2.
- Paper published on Geometrically Transformed Image Retrieval with Transfer Learning, in International Journal of Health Sciences, 6(S2), 11244–11254.
- Paper was published on Geometric Transformation in Content Based Image Retrieval-A Review in Solid State Technology in July-2020(Scopus Indexed)
- Paper was published on Automatic Power Factor Corrector in JETIR in October 2018 journal
- Paper was published on PLC Based Automated Conveyor Assembly Line in IJARSE in April 2018 journal.
- Paper was published on Smart Trolley using IoT in IJEECS in March 2018 journal.
- Paper was published on PLC Based Automated Conveyor Assembly Line in IJRASET in Oct 2017 journal.
- Paper was published on A Review paper on Content Based Image Retrieval in IJMCS in Dec 2017 journal.

- Paper was published on Color and texture based image retrieval using Discrete Curvelet Transform in IJECIERD in June 2015 journal.
- Paper was published on Color and texture based image retrieval using Discrete Curvelet Transform in IJECIERD in March 2013 journal
- Paper was published on “Color and shape based image retrieval” in IJCSEITR in Dec 2012 journal
- Paper was published on Secured Wireless Data Communication in IJCA in Sep 2012 journal
- Paper was published on Content Based Image Retrieval in IJRST in July Sep 2011 journal
- Paper presented on Pre-trained deep learning models for content-based image classification and retrieval in NCCCIL’21 on 12th Jan 2022.
- Paper was presented on Geometric Transformation in Content Based Image Retrieval-A Review in 3rd ICIIST-2020 in May-2020.
- Presented paper on Color & Texture based Image Retrieval using Discrete Curvelet Transform in ePGCON 2013 at MIT AOE, Alandi.
- Presented paper on PLC Based Automated Conveyor Assembly Line in 11th International Conference on Recent Innovations in Science, Engineering & Management on 7th April 2018.
- Presented paper on Smart Trolley using IoT in International Conference on Emerging Trends in Science, Engineering & Technology during 21st to 22nd March, 2018.
- Presented paper on Motivate Gen-Z to Cycling via Mobile Application in 9th National Conference on Advancements in Communication, Computing and Electronics Technology, April 2023.
- Presented paper on Tubeless Tyre Pressure Indicator in 3rd National Conference on Innovation in Engineering and Technology, May 2023.
- Presented paper on Smart Attendance Monitoring System in 9th National Conference on Advancements in Communication, Computing and Electronics Technology, April 2023.

- Presented paper on Two way Authentication System in 4th International conference on Ideas, Innovation, Impact in Science & Technology.
- Presented paper on Dry Hand washing Machine by Fog Disinfection to Save Water in National Level Student Conference TKD-2022.

SEMINARS/FDP/ WORKSHOPS ATTENDED

- Attended and completed FDP on Artificial Intelligence by ATAL in Feb 2022.
- Attended workshop on “MATLAB Fundamentals and its application” in Feb 2022.
- Attended Faculty Orientation Workshop on “VLSI Design & Technology” 2019 pattern syllabus.
- Attended FDP on “Modeling and Simulation Tools for Research” in September 2021.
- Participated in AICTE Quality Improvement Scheme of one week STTP on “Innovative & Inventive Problem Solving” in July 2021.
- Attended two days national level workshop on Research Methodology during 9th -10th March, 2012 at AVCOE, Sangamaner.
- Organized & attended workshop on Introduction to VHDL Programming at DYPIEMR, Akurdi on 12th Aug, 2016.
- Attended one day workshop on SE E&TC/ Elex 2015 course syllabus WORK EXPERIENCE finalization at MESCOE on 4th June 2016.
- Attended Faculty orientation Workshop on SPPU revised syllabus 2012 course for Wireless Networks at BVCOEW on 9th Jan 2016.
- Attended Faculty orientation Workshop on SPPU revised syllabus 2012 course for Computer Network at AISSMS IOT during 11th to 15th June 2015.
- Attended Faculty orientation Workshop on SPPU revised syllabus 2012 course for Power Electronics at RSCOE during 11th to 13th Dec 2014.

-
- Attended Faculty orientation Workshop on SPPU revised syllabus 2012 course for Digital Signal Processing and Applications at KKWIEER during 24th to 25th Dec 2014.
 - Attended Faculty orientation Workshop on SPPU revised syllabus 2012 course for Digital Communication at MESCOE during 12th to 14th June 2014.

ASSOCIATION WITH PROFESSIONAL BODIES

- Life member of ISTE- Indian Society of Technical Education.
- IEEE Student member for year 2022 to 2023.
- Life member of IAENG- International Association of Engineers.

PATENT

Patent published on “Deep Learning in Content Based Image Retrieval with Geometric Transformations” in 2022, application no: 202221041509

INTERESTS

- Drawing Rangoli
- Gardening at home
- Creating decorative show pieces for home.

I hereby declare the above information is true to the best of my knowledge

Dr Mrs Dnyanda N. Hire