

CURRICULUM VITAE

KIRAN NIVRUTTI PATIL

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ACADEMIC QUALIFICATION

Sr.No.	Exam Passed	Year of Passing	% of Marks	Division/Class	Board/University
1.	Ph.D. Electronics	Persuing	--	--	Shivaji University
2.	M.E Electronics	2007	63.67	First	Shivaji University
3.	B.E Electronics	1999	61.07	First	Shivaji University
4.	HSC	1995	77.67	First	Maharashtra Board
5.	SSC	1993	83.33	Distinction	Maharashtra Board

EXPERIENCE SUMMARY

TOTAL TEACHING EXPERIENCE: 19 YEARS

INDUSTRY EXPERIENCE: 03 YEARS

Sr. No.	Organization	Designation	Period		
			From	To	TOTAL
1.	Ashokrao Mane group of Institutes, Vathar	Assistant Professor	23 rd Sept. 2024	Till Date	15 Months
2.	Dr. Daulatrao Aher College Of Engineering, Karad	Assistant Professor	1 st January 2024	20 th Sept. 2024	9 Months
3.	Nanasaheb Mahadik College Of Engineering Peth Naka. Dist: Sangli-416301, Maharashtra	Assistant Professor	29 th Sep 2021	27 th Dec 2023	2 Year 3 Months
4.	Annasaheb Dange College of Engineering & Technology (An Autonomous Institute), Ashta, Dist: Sangli-416301, Maharashtra.	Assistant Professor	1 st July 2013	6 th July 2019	6 Years
5.	Rajarambapu Institute of Technology (An Autonomous Institute), Sakharale, Dist: Sangli-415414, Maharashtra.	Assistant Professor	6 th January 2011	25 th June 2013	2 Years 6 Month
6.	Fr. C. Rodriquess Institute of Technology, Sector 9A, Vashi, Navi Mumbai-400703, Maharastra.	Lecturer, Computer & IT department	1 st June 2006	31 st July 2009	3 Years 2 Months.
7.	Bharati Vidyapeeth Institute of Technology (Polytechnic), Sector No. 7, Belpada, C.B.D., Navi Mumbai-400615, Maharashtra.	Visiting Lecturer	23 rd June 2002	21 st January 2006	3 Years 6 Months.
8.	ApPro Tech computers, New Panvel	Software Engineer	1 st June 1999	7 th June 2002	3 Years

PROJECTS UNDERTAKEN AT UG, PG & PH.D LEVEL

Project Name (Ph.D) : RF Energy Harvesting Strategies For Power Conversion Efficiency Improvements.

Platform (Software and Hardware) : ADS 2022

Project Description:

The literature review suggests that various techniques/strategies are tested or implemented in past for RF energy harvesting, at the same time, the need for further improvements is also specified. Considering this scope for research work, it is proposed to investigate the new technique/strategy or modification in the existing techniques/strategies for the improvement in power conversion efficiency.

Project Name (PG) : Distance Education Through Mobile Computing Using J2ME and Software Components.

Platform(Software and Hardware) : Windows XP, J2SDK1.4.0, Java Servlets, Java Beans, J2ME, Oracle 8i

Project Description:

This is dual module application that allows educational contents to be created for mobile computing environment. One of the module which is created to work on conventional desktops (Teachers Module) allows creation of exercise list with Multiple choice and true false questions. The teacher's module is created using the Java beans technology. Another module is student's module allows the exercise list created by teachers to be viewed and solved through wireless devices such as palmtop or mobile phones. The student's module is created using J2ME.

Project Name (UG) : PC Based IC Tester Cum Component Data Bank

Platform(Software and Hardware) : Wndows 95, C, C++, Visual Basic, Microsoft Word 8.0, Office 97

Project Description:

This project involves interfacing of the PC with 'IC under test.' The project work is primarily concerned with testing 'IC under test.' for its functionality. Also displaying the data for selected components is a part of the project work. The Graphical user interface is generated using Visual Basic 5.0 standard edition. The IC tester part of the system software is coded in Turbo C++ (version: 8.0) and the data bank is designed in Microsoft Word 8.0 of Microsoft Office 97 for Windows 95.

ACADEMIC ACTIVITIES

Subject Taught: Discrete mathematics, Data Structures, Java Programming, Web Technology, Digital Techniques, Microprocessor & microcontroller, RF & Microwave Engineering, Power Electronics, VLSI Design, Transducers & Measurement, Audio and Video Engineering, Analog circuit Design, Linear Integrated Circuits, Network Analysis, Communication Engineering., Basic Electrical & Electronics Engineering, Instrumentation Techniques, Mobile communication, GUI & DBMS, Digital Communication.

Paper publication: - International Journal:- 20, National conference: - 01, International conference: - 03
SCOPUS indexed: 04, UGC Approved: - 01, Book published – 02, Google citation: - 85, h-index: -3, i10-index: -1, Scopus h-index: - 1

International Journals:

1. Patil, Kiran N., and Ajay D. Jadhav "Improving Power Conversion Efficiency Of Rf Energy Harvesting Using Microstrip Patch Antenna Array With Two U-Shaped Metallic Strips" In International Journal of Applied Mathematics, Volume 38 No. 11s, Dec 2025.
2. K. N. P. Patil et al., "Design of High Gain Antenna for RF Energy Harvesting," *Alochana Chakra Journal*, vol. 9, no. 5, May 2020.
3. K. N. Patil et al., "Easy Implementation of Solar Panel Cleaner," *International Journal of Innovative Technology and Exploring Engineering*, vol. 9, no. 3, Jan. 2020, DOI: 10.35940/ijitee.C8182.019320.
4. K. N. Patil et al., "Accident Avoidance Using RF Transmission and Reception," *International Journal Of*

- Research And Analytical Reviews*, Vol. 6, no. 4, pp. 440-445, Nov. 2019.
5. K. N. Patil et al., "Smart Vehicle Parking System Using Back Eye System," *International Journal Of Research And Analytical Reviews*, Vol. 6, no. 2, pp. 128-133, Sep. 2019,
 6. K. N. Patil et al., "E-Kalpavruksh," *Journal of Optoelectronics and Communication*, vol.1, no. 1, Jan. 2019.
 7. J. Ashok, K. N. Patil,"Evaluation of Water Content in Milk Using Microwave Transmission Approach with Horn Antenna," *International Journal of Informatics and Communication Technology*,vol. 7,no. 2,pp- 77-81, Aug. 2018, DOI: 10.11591/ijict.v7i2.pp77-81.
 8. K.N Patil, J. Ashok and S.S Patil, "Implementation of Arduino controlled automated model for automatic processing of milk packets in dairy industry," *International Journal of Mechanical Engineering and Technology*, Vol. 9, no. 8, pp. 172-179, Aug. 2018.
 9. K. N. Patil et al., "Estimating adulteration of petrol with kerosene using microwave transmission with horn antenna," *International Journal of Mechanical Engineering and Technology*, Vol. 9, no. 3,pp. 1081-1086, Mar. 2018.
 10. K. N. Patil et al., "Artificial neural network model for predicting direct solar radiation for a single grid Node MAT LAB," *International Journal of Applied Engineering Research*, Vol. 12, no. 21, pp. 10584- , Nov. 2017.
 11. K. N. Patil et al., "Spy Robot for Military Application Using Wi-Fi Module," *Advancement of Signal Processing and its Applications*, Vol.1, no.1, pp. 1-5, Jan. 2018.
 12. K. N. Patil et al., "Cost Effective Gas Sensing Setup for Microelectronics Device," *Recent Trends in Control and Converter*, vol.1, no. 1, pp. 22-26, Jan.2018.
 13. K.N. Patil et al., "Lab Automation Using Android Application," *Recent Trends in Analog Design and Digital Devices*, vol. 1, no. 1, pp. 7-10, Jan. 2018.
 14. K.N. Patil et al., "Mobile Battery charger on Coin Insertion," *International Research Journal of Engineering and Technology*, vol. 4, no. 1, pp. 1384-1386, Jan. 2017.
 15. K.N. Patil et al., "Automated material handling process for processing industry," *International Journal of Advanced Research in Electronics and Communication Engineering*, vol. 6, no. 3, pp. 10584-10588, Mar. 2017.
 16. K.N. Patil et al., "IOT Based Water Level Monitoring System for Lake," *International Research Journal of Engineering and Technology*, vol. 4, no. 2, pp. 1425-1427, Feb. 2017.
 17. K.N. Patil et al., "Solar Powered Automatic Fruit Drying System," *International Journal of Advanced Research in Electronics and communication Engineering*, vol. 5, no. 3, pp 735-738, Mar. 2016.
 18. K.N. Patil et al., "Wireless Sensor Based Energy Conservation via Zigbee," *International journal for Research in emerging science and technology*, vol. 3, no. 3, pp 105-109, Mar. 2016.
 19. S.S. Patil, K.N. Patil, S.P Patil "Gesture based wheel chairs for physically disabled Persons," , *International journal of engineering sciences & research technology*, vol. 4, no. 12, Dec. 2015.
 20. K.N. Patil et al., "Monitoring of Turbidity, PH & temperature of water Based on GSM," *International journal for research in emerging science and technology*, vol. 2, no. 3,pp 16-21,Mar. 2015.
 21. Patil,K.N., "Distance education through mobile computing", *International journal of engineering and Technology*, Vol. 1, no. 4, pp.018 – 024, Mar. 2012.

National Conference:

1. "Learning beyond Classroom through Mobile Computing" at the National Conference organized, by Vidyalankar Institute of Technology, Wadalba on September 29-30, 2008.

International Conference:

1. "RF energy harvesting: A review on power conversion efficiency Improvement strategies" in the IEEE Conference Record No. #54719 Wireless, Antenna and Microwave Symposium during 5-8 June 2022 at National Institute of Technology Rourkela, India
2. "2 x 2 Microstrip Patch Antenna Array for Improving the Power Conversion Efficiency of RF Energy Harvesting" in the IEEE International Conference on Communication, Computing and Signal Processing (IICCCS) during 19-20 Sept. 2024 at ASANSOL, India
3. Circuit-Level Improvement using Adaptive Rectifier and Matching in RF Energy Harvesting", In International Conference on Integrated Research and Sustainable Development (ICIRSD 2025) at Ashokrao Mane Group of Institutes, Vathar, 30 Oct-1 Nov 2025.

Books Published

1. Patil kiran, patil sagar, "Mobile charging on coin insertion" Lambert online publication 2017
2. Patil sachin, Patil kiran. "Wireless sensor node" ,Lambert online publication,2017

STTP/Workshop Attended/Organized

1. Attended one week AICTE-ISTE approved STTP on “Hands-on experimentation on Deep Learning” at Annasaheb Dange College of Engineering & Technology, Ashta from 17th – 22nd June 2019.
2. Participated in One Day Workshop on C and C++ held at RWMCT's Dnyanshree Institute of Engineering and Technology, Sonawadi-Gajawadi, Satara organised by the Teaching Learning Centre (ICT) at IIT Bombay on 29 February 2020.
3. Attended ISTE approved STTP on “MatlabR2018a Tools & Its engineering Application” at Annasaheb Dange College of Engineering & Technology, Ashta from 24th to 28th dec 2018.
4. Attended ISTE approved STTP on “Netsim V10: A practical approach” at Annasaheb Dange College of Engineering & Technology, Ashta from 11th to 15th dec 2017.
5. Attended one day NCPRE familiralization workshop on photovoiltaiacs at IIT Mumbai on 30th Nov 2017
6. Attended ISTE approved STTP on “SCILAB & SCICOS (Open Source Alternative to MATLAB & SIMULINK)” at Annasaheb Dange College of Engineering & Technology, Ashta from 21st to 26th November 2016.
7. Attended 12 days Faculty Development program on “Image Processing” at Annasaheb Dange College of Engineering & Technology, Ashta with eiTRA, Ahmadabad from 29th December 2015 to 11th January 2016.
8. Attended ISTE approved STTP on ”Control Systems” conducted by IIT kharagpur from 2nd to 12th December 2014 at Rajarambapu Institute of Technology, Sakharale
9. Attended ISTE approved STTP on” Emering Trends in VLSI & Embedded Systems: A System On Chip Approach” at Annasaheb Dange College of Engineering & Technology, Ashta from 24th to 28th November 2014.
10. Attended ISTE approved one week STTP on”Recent Trends in Video Engineering” in May 2014 at Sharad institute of technology, Yadrav.
11. Attended ISTE approved two week STTP on”solar photovoltaics” from 12th to 22nd December 2011 at Rajarambapu Institute of Technology, Sakharale conducted by IIT, mumbai
12. Attended ISTE approved one week STTP on”Recent Trends in Electrical Engineering” from 2nd to 6th May 2011 at Rajarambapu Institute of Technology, Sakharale.
13. Organized one day workshop on “Research Orientation For Electrical Engineering Faculty” on 20th February 2011 at Rajarambapu Institute of Technology, Sakharale.
14. Part of organizing team of one week AICTE sponsored STTP on “Component Technology” during 17th – 22nd December 2007 at Fr. C Rodrigues Institute of Technology, Vashi, and Navi Mumbai.
15. Part of organizing team of one week ISTE approved STTP on “Wireless Technologies & mobile Computing” during 15th -19th January 2007 at Fr. C Rodrigues Institute of Technology, Vashi, and Navi Mumbai.
16. Attended one week ISTE approved STTP on “Web Technology” during 4th – 8th December 2006 at Shri Sant Gajanan Maharaj College of Engineering, Shegaon.

Online Workshop Attended

1. Attended Webinar on “Enhancing Quality Culture in Technical Institutes through Online Teaching for Outcome Based Teaching” Organized by All India Shri Shivaji Memorial Society's College of Engineering, Pune in association with The Institution of Engineers (India), Kolkata on 05th July 2020
2. Attended one day National webinar on “Effective and efficient writing of research papers for web of Science, Scopus indexed journal and Conference papers using Typeset Research Studio” on 1st July 3, 2020 Organized by AISSMS college of engineering, pune.
3. Participated in Two Days Virtual Training Program on “Design and Simulation of Antenna in HFSS” Organized by Department of Electronics & Telecommunication Engineering under RIT Centre for Teaching Learning (RIT-CTL) From 29th June to 30th June, 2020.
4. Attended a one day Webinar on “Deep Learning for Automatic Speech Recognition” organized by AISSMS college of engineering, pune on 26th June 2020.
5. Participated in ISTE & IEI Approved National Level One Week Online FDP on “Advanced Teaching Tools, Techniques and Methodologies for Outcome Based Education” from 01-05 June 2020 organised by Center of Excellence in Teaching & Learning, AISSMS College of Engineering, Pune.
6. Participated in one week Online Faculty Development Program on “Promoting Quality Culture in Technical Institutions” from 25th to 29th May 2020 Organised by Internal Quality Assurance Cell Under “UGC Paramarsh Scheme’ by AISSMS College of Engineering, Pune.

7. Participated in the One Week Online Faculty Development Program on Signal, Image & Video Processing: A Practical Approach (SIVPAPA-2020) organized by Government college of Engineering, Karad during May 26-30, 2020.
8. Participated in A Five Days Online Faculty Development Programme on “RECENT COMMUNICATION TOOLS AND ITS APPLICATION” Organized by St. Martin’s Engineering College, Dhulapally, and secunderabad from 19th to 23rd May, 2020.
9. Participated in Five Days Online Faculty Development Programme on “Industrial IoTs, Industry 4.0 & Disruptive Technologies” Organized by Dr. B. A. Technological University, Lonere from May 05-10, 2020.
10. Participated in A Five Days Online Faculty Development Programme on “Java Business Application” Organized by Department of Information Technology, RMD Sinhgad School of Engineering, Pune from 27th April, 2020 to 2nd May, 2020.
11. Participated in A Five Days Online Faculty Development Programme on “Mental Helth During Covid” Organized by Dr. B. A. Technological University, Lonere from 6th to 10th May 2020.
12. Participated in Two Days Virtual Training Program on “Research Paper Writing and Intellectual Property Rights” Organized by Rajarambapu Institute of Technology, sakharale From 18-19, May 2020.

Projects guided at undergraduate level :34

Special Achievements:

1. Successfully completed 12 weeks NPTEL online certification course (NPTEL-AICTE FDP) “NBA accreditation and Teaching Learning” with score of 61% (Elite category) during Jan-Apr 2022
2. Successfully completed 12 weeks NPTEL online certification course (NPTEL-AICTE FDP) “Microprocessor & Microcontroller ” during Jan-Apr 2022
3. Successfully completed 12 weeks NPTEL online certification course (NPTEL-AICTE FDP) “Antennas” with score of 60% (Elite category) during Jan-Apr 2020.
4. Successfully completed 8 weeks NPTEL online certification course “Introduction to Research” with score of 77% (Elite+silver category) during Feb-Apr 2019.
5. Successfully completed 8 weeks NPTEL online certification course “Design for Internate Of Things” with score of 71%(Elite category) and Top 5% rank during jul-sep 2017.
6. Sun Certified Programmer for Java 2 Platform Standard Edition 5.0.
7. Appreciation from S.D.S.S for 100% result for subject Audio video engineering for B.E (E & TC) in 2014.
8. Appreciation letter for student’s feedback for subject Electrical Machines and Measurement for first semester of S.E. (E&TC) for the year 2013-14.

PERSONAL DETAILS

Name	: Kiran N Patil
Address	: B-12, Professor’s colony, Near Janata Vidyalaya, Mahadevnagar, Islampur, Tal: -Walva, Dist: - Sangli-415409.
Sex	: Male
Date Of Birth	: 10 th April 1978
Nationality	: Indian
Marital Status	: Married
Passport Number	: R6564224
Valid Till	: 05 th November 2027