Dr. Ulhas V. Patil

 Nashik MH 422101

 9518764877

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OBJECTIVE

Looking for good career growth and opportunities where my talent and knowledge could be best subjected and utilized for the benefit of the society, organization and myself.

Technical Skills

- Programming Languages : MATLAB, C, C++,

- Office Tools : MS Office.

Work History

- **Associate Professor, (January 1,2021)**
  MVPS's KBT College of Engineering, Nashik
- **Associate Professor, Head E&TC (July,2017)**
   Sir Visvesvaraya Institute of Technology, Nashik, MH
- **Associate Professor and Head E&TC (July,2014)**
  Pravara Rural Engineering College, Loni, MH
- **Associate Professor, Head E&TC (September,2005)**
  Sir Visvesvaraya Institute of Technology, Nashik, MH
- **Lecturer, E&TC (January,1997)**
  Pravara Rural Engineering College, Loni, MH
- **Lecturer, Electronics (March,1996)**
  Gangamai Poly-Technique, Dhule
- **Trainee Engineer (September,1995)**
  M R Electricals, Nashik

Education /Qualification

- **Ph.D. : Electronics (August,2020)**
  Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
- **M.E. : Electronics (July,2005)**
  Government College of Engineering, Aurangabad
- **B.E. : Electronics (July,1995)**
  Shri. Sant Gajanan Maharaj College of Engineering, Shegaon.

Patent:

- File patent on "Intelligent FM Transmission: Home based Mini FM Transmission using IoT Based System", Published in IPR, Application number 202121039209.

- File patent on "Advanced and online MCQ examination management system", Published in IPR, Application number 202111054012 A.

Publications

a. Conferences

[1] **"Comparison of various Techniques for suppression or cancellation of Co-Channel Interface in GSM"** in National Conference on Emerging Trends in Electronics & Computing E3C2010 held at J. D. College of Engineering Nagpur, 9th & 10th February 2010.

[2] **"Automatic Toll Collector using VLSI"** in National Conference on Emerging Trends in Electronics & Computing E3C2010 held at J.D.College of Engineering Napur, 9th & 10th February 2010.

[3] **"Review on stand-alone street lightning system powered by a hybrid system using fuel cell, PV Battery"** in international Conference on Science, Engineering & Spirituality at SCOE, Navalnagar, 1st & 2nd April 2010.

[4] **"Simulation of DC-DC Boost Converter for SPVM"** in the 2nd International Conference on Innovative Engg. Technologies ICIET'2015, Rajmangala University of Technology Thanyaburi, Bankok on 7th & 8th

August, 2015.

[5] **"Reduction of BER & PAPR profile by using wavelet based OFDM Analysis"** in the IRF -IRAJ (ICET) International Conference on Emerging Trends in Engg. & Technology, Bengluru, on 18th October, 2015.

[6] **"Mathematical Modeling for Solar PV Module",** Published in International Conference on Quality Up-gradation in Engineering, Science & Technology (ICQUEST-2016), ISBN: 978-81-923623-1-1

[7] **"Mathematical Modeling for Solar PV Module"** Published 5th International conference of quality up gradation in Engineering, science & Technology, 12th April, 2016 , ISSN: 2278-0181.

b. International Journals

[1] **"A Fast Fractal Image Compression Method Based on Entropy"** in International Journal of Emerging Technologies and Application in Engineering & Technology and Sciences at Sangali in January 2010.

[2] **"Data Transfer Through Power Line"** in International Journal of Engineering and Computer Science, Volume 4, Issue 4, April 2015, ISSN:2319-7242,Page No. 11157-11159.

[3] **"Real Time Protection System for Four Wheeler"** in International Journal of Recent and Innovation Trends in Computing and Communication, Volume 3, Issue 3, March-2015, ISSN: 2321-8169.

[4] **"Use of Wavelet Based Analysis for Reducing BER & PAPR parameters in OFDM System",** in the International Journal of Engineering Sciences & Research Technology, ISSN: 2277-9655, (I2OR, 4th November, 2015.

[5] **"BER & PAPR Reduction in OFDM system using wavelet based OFDM Analysis",** in the International Journal of Advanced Research in Computer and Communication Engineering, Volume. 4, Issue 10, October 2015, ISSN - 2319 5940.

[6] **"Comparative Analysis of BER, SER, PAPR & PSD in OFDM using Wavelet Based OFDM System",** in the International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 5, Issue 3, March 2016, ISSN : 2320 – 3765.

[7] **"P&O Algorithm for MPPT for solar PV system"** in International Journal of research in Electronics & Communication Technology, Volume-4, Issue -4, July-August, 2016, ISSN 2348-0017.

[8] **"Performance analysis of P&O & InCn algorithm for SPVM",** in International Journal of Electrical & Electronics Engineers, Volume-8, Issue-2, July-Dec, 2016, 2321-2045,.

[9] **"New Secure Image transmission technique using Mosiac Image by RCT",** in International Journal of Advanced Research in Computer & Communication Engineers, Volume-5, Issue 9, Sept-16, 2319-5940.

[10] **"Real time noise cancellation & Improving speech Intelligibility of sensorineural Hearing impaired by using DSP Processor",** International Journal of Advanced Research in Computer & Communication Engineers, Vol. 5, Issue 9, Sept-2016, 2319 5940.

[11] **"Improving speech intelligibility of sensorineural hearing impaired & real time noise cancellation using filters",** International Journal of Informative & Futuristic Research, Vol. 2, Issue 10,2347-1697, June-16.

[12] **"A Survey Paper On Air Pollution Monitoring Using IOT," International Journal Of Advance",** Vol.4 Issue.6, 2395-4396, December 2018.

[13] **"Experimental Setup of Maximum Peak Power Tracking for SSLS",** International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, Number 20 (2018)

[14] **"Over the Air (OTA) Based Fuel Monitoring and Theft Detection System",** Journal of Applied Science and Computations, Volume VI, Issue II, ISSN NO: 1076-5131, February /2019.

[15] **"Environmental Parameter Monitoring Based On IOT and Statistical Analysis",** JETIR, Volume 6, Issue 6, June 2019, ISSN 2349-5162

[16] **"Design of Ferro-Gaurd for Patient Safety, International Journal for Research in Applied Science & Engineering Technology"** (IJRASET), ISSN: 2321-9653; Volume 7 Issue VII, July 2019-

[17] **"Implementation of Ferro-Gaurd for patient safety, International**

Journal for science and advance research in technology", Volume 5, Issue 7, ISSN [ONLINE] : 2395-1052 in July 2019.

[18] **"Monitoring and Analysis Of Environmental Data Using IOT And Machine Learning",** IJREAM, Volume 05 Issue 08, Nov 2019, ISSN: 2454-9150.

[19] "Deep Learning based hybrid MPPT for maximum power tracking under partial condition **In process** (Scopus Journal)

[20] "Analysis and Modelling of Maximum Power point Tracking Algorithm using MATLAB/Simulink" **In Process (Scopus Journal)**

 Extra-Curricular Activities

[1] Attended workshop on finalizing the syllabus of SE at Amrutvahini College of Engineering Sangamner 10th January2004.

[2] Attended one day seminar on "Educational Reforms, Cross Discipline & International Linkages" held at Pd. Dr. Vitthalrao Vikhe Patil College of Arts, Science and Commerce, Loni on 10th February2004.

[3] Attended two day National Level workshop on "Applications of DSP and MATLAB" held at faizpur college of Engineering, Jalgaon on 11th & 12th September 2004

[4] Attended one day workshop on "DSP Processor Programming and Applications" held at PREC, Loni on 17th January 2005.

[5] Attended two day workshop on "Research Methodologies and Report Writing" held at Government college of Engineering Aurngabad on 18th & 19th February2006.

[6] Attended one day workshop on "Detailing of project work for BE-ETC- 2003 course" held at PREC, Loni on 18th march 2006.

[7] Attended one day workshop on "Teaching Methodologies for BE-ETC- 2003 course" held at PICTE, Pune on 25th September2006.

[8] Arrange course on "MATLAB & SIMULINK" held at SVMEC, Sinnar, from 26th to 29th september2006.

[9] Arrange two day course for third year students on "Fundamentals of VLSI

Design" on 20th & 21st January 2010.

[10] Arrange Seminar on "Need of Electronics in Industry" at PREC, Loni on 10th July 2014

[11] Attended workshop on Teaching Methodology ME- VLSI & Embedded System -2013 courses for the subject "Fault & Tolerance System" held at Sinhagad College of Engg. Pune on 11th July 2014.

[12] Attended workshop on "Emerging Technologies in Advanced Digital Wireless Mobile Communication and Networking" held at KKWIEER, Nashik on 3rd September 2014.

[13] Attended two days national workshop on "Low power design using Quantum Cellular Automation" conducted on 4th and 5th January 2018 held at PCCOE, Pune

[14] Attended two days workshop on "Introduction to Robotics" conducted on 26th and 27th July 2019 held in Indian Institute of Technology, Mumbai.

[15] Successfully Completing Three days Online Workshop on "Demonstration of Software Testing (Automation)" organized by Department of Electronics & Telecommunication Engineering of Dr.Vithalrao Vikhe Patil College of Engineering, Ahmednagar in association with Scripting Logic, Pune held on 26th May 2020 to 28th May 2020.

[16] Participated online webinar "Differential Power Processing DC-DC Converters for Solar Photovoltaic Application" by Prof. Katherine A. Kim, from National Taiwan University, Taipei, Taiwan, Organized by IEEE IA/IE/PELS Jt. Chapter Kerala on 18th May 2020.

[17] NBA Accreditation and Teaching - Learning in Engineering (NATE) (12 Weeks) on the SWAYAM platform (swayam.gov.in), during the Jan-Apr 2020 semester.

[18] Attended the online Webinar on "Changing face of education in India-Perspective on Technical & Healthcare Education in tune with National Education Policy 2020" held on 03 September, 2020

[19] Attended the online webinar on "AI ML DL - Use cases and Insights"

organized by Department of E&TC Engineering of K. K. Wagh Institute of Engineering Education & Research, Nashik in collaboration with IETE, Nashik on 26th September 2020.

[20] Participated in the National Webinar on "National Education Policy 2020: Reforming and Rejuvenating Teaching & Learning for 21st Century" Organized by Manda Institute of Technology in association with Manda College, Bikaner on April 26th, 2021.

[21] Participated in 3 days Online Faculty Orientation Workshop on SE (E&TC/Electronics) Revised Syllabus 2019 Course for the Subject Control Systems Organized by Department of E&TC Engineering, Zeal College of Engineering and Research, Pune.(18-20 Jan 2021)

[22] Participated in Workshop on 'PSIM Software and its Applications in Power Electronics' organized by Department Of E&TC, AISSMS College Of Engineering, Pune in association with AISSMS COE IEEE Student Branch, IEI & ISTE Chapters on 22th May 2021.

[23] Participated in 3 days Online Faculty Orientation Workshop on TE (E&TC/Electronics) Revised Syllabus 2019 Course for the Subject Project management Organized by Department of E&TC Engineering, Pimpri Chinchwad College of Engineering, Pune.(27-29 Jan 2022)

Short Term Training Programs & Faculty Development Programs

 [1] Attended STTP course on "Digital Signal Processing fundamentals, advances & applications" held at SGGS, College of Engg. Nanded from 18th to 23rd December 2006.

[2] Arrange Training program on "VLSI Technology" for Third year students from 16th to 21st February 2007.

[3] Arrange STTP course on "Digital Signal Processing fundamentals, advances & applications" Dec-2009

[4] Attended STTP course on "Emerging Research Trends in Electronics,

Telecommunication and Allied Fields" held at MIT college of Engineering, Pune in Association with IEEE communication Society, Pune from 8th to 12th December 2014.

[5] Attended STTP course on "Application of TCAD, Symica and other Real time Simulation Software's in the Research Area of VLSI Design Technology", held at PREC, Loni in Association with CADRE Design system, New Delhi, from 12th to 17th January 2015.

[6] Attended STTP course "Applications of Power Electronics to Renewable Energy -2K16", held at National Institute of Technology, Goa from 12th to 14th May 2016.

[7] Industrial Training on "RFID based hardware and related application for gate automation, Asset Tracking, Vehicle tracking, Warehouse Monitoring", Vitaran Electronics Pvt.Ltd. Pune, from 29th April to 5th May,2016.

[8] Attended One Week Faculty Development Program on 'ARDUINO' in association with ISTE chapter and Spoken tutorial, IIT Bombay from 25th April, 2020 to 30th April,2020

[9] Attended One Week Faculty Development Program "Scilab" Organized by PCCOE, Nigdi Pune, from 21st May 2020 to 26th May, 2020.

[10] Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 5th October, 2020 to 9th October 2020 at Shri Sant Gajanan Maharaj College of Engineering, Shegaon.

[11] Participated in the AICTE sponsored Short Term Training Program on "Control System Design-Classical and Modern with Hands-on" conducted by COEP, Pune during March 22-27, 2021.

[12] Attended the AICTE Sponsored STTP on Electric Vehicle Technology hosted by Department of Electrical and Electronics Engineering, Panimalar Institute of Technology during 03 May 2021 to 08 May 2021.

[13] Participated in AICTE-ISTE Sponsored One Week Induction / Refresher programme on "Role of ICT in Teaching Learning Process" organized by Department of Information Technology, Sanjivani College of Engineering,

Kopargaon, Maharashtra from 19th May 2021 to 25th May 2021.

[14] Attended One week faculty development program "Recent advances in AI & Robotics" from April 25-29 ,2021 at D.Y.Patil School of Engineering and Technology, Pune.

Projects Guided (PG)

[1] Ms. Ashwini Vikhe, ME Project on ""Real Time Noise Cancellation And Improving Speech Intelligibility Of Sensorineural Hearing Impaired By Using Dsp Processor" PREC, Loni,2016.

[2] Ms. Smita Ghogare, ME Project on "Implementation of Maximum Peak Point Tracker Using P&O and Incremental Conductance Algorithm for SPVM" PREC. Loni,2016.

[3] Mr.Atul M.Borade, ME Project on "Voice Recognition Home Automation System Based On Arm 11" SVIT, Nashik, 2017

[4]Mr.Nitin Jadhav, ME Project on "Design Of Ferro-Gaurd For Patient Safety", SVIT, Nashik,2020

[5] Mr.Raosaheb Chavan, ME Project on "Smart Milk Dairy Automations", SVIT,Nashik,2020

Grant Received

- Received Rs.55000/ from UGC grant, to organize State Level Workshop on "Digital Signal Processing, Fundamentals, Advance & Applications".
- Received Rs.60000/ from UGC grant, to purchase equipment.
- Received Rs.20000/ from UGC grant, to organize Local Level Workshop on "Fundamentals of VLSI Design".

- Received Rs. 100000/- from UGC grant to organize National Level workshop on "Wireless Communication"
- Received Rs. 150000/- from AICTE, New Delhi to organize the National conference on **"Embedded System Design"**
- Received Rs.100000/- from UGC grant, to organize State Level Workshop on **" 5G Multi Antenna Technology"**
- Received Rs.55000/- grant from IETE, New Delhi to organize the National Conference "Sensing , Communication and Networking"
- Received the travel grant of Rs.60000/- from SPPU, Pune to publish the paper in international conference at Rajmangala University Thanyaburi on 7th & 8th August, 2015.

Event Organized

- Organized the value added courses for TE & BE students on various topics.
- Organized National Level Event (Paper Presentation) at SVIT, Chincholi, Nashik in 2009
- Organized National Level Event CONGNIZIA (Paper, Project and Robotics) Competitions at SVIT, Chincholi, Nashik from 2011 to 2014.
- Organized National Conference on " Embedded System Design" in AY 2013-14
- Organize National level workshop on "Wireless Communication" at Pravara Rural Engineering College, Loni in AY 2015-2016.
- Organize IETE National Conference on **"Sensing, Communication and Networking"** at SVIT, Chincholi, Nashik,19th July, 2019.
- Organize placement drive SRKay, Technology, Surat at SVIT, Nashik,2017,2019.
- Organize placement drive Monk Automation, Nashik, SVIT, Nashik, 2020.
- Organize expert lecture on "Advances in Control System" for SE,TE & BE (E&TC) students, February 13,2021 and the resource person is Dr. Sachin Umberkar {Senior member of IEEE, Member of SAE International Scientific Community AMERE-USA} Lead Manager, EATON Research Centre.

- Organize expert lecture on "Industrial Application of Control system" for SE,TE & BE (E&TC) students, June 6,2021 and the resource person is **Dr. Sachin Umberkar** {Senior member of IEEE, Member of SAE International Scientific Community AMERE-USA} Lead Manager, EATON Research Centre.

- Organize expert lecture on "Robotics" for SE,TE & BE (E&TC) students, June 6,2021 and the resource person is Eminent Speaker Mr. Vijaya Bhasker B.{Head Technical projects, Helluva Consultancy Services} Hyderabad, India.

- Organize placement drive SRKay, Technology, Surat at MVPSs KBT College of Engineering, Nashik, January 2021,

- Organize placement drive SRKay, Technology, Surat at MVPSs KBT College of Engineering, Nashik, June 2021,

Additional Responsibilities Shared

- Served as a Student Council Member for two years at PREC, Loni.
- Worked as a Project Coordinator for Two years at PREC, Loni.
- Involved in various committees during Annual Social Gathering at PREC, Loni.
- Served Chief Rector C.S.M.H. (Boys) PREC, Loni from 11th November 2002 to 30th September 2003.
- Served as a Head of Department at Electronics & Telecommunication & Electronics from 16th August 2003 to 21st July 2004 at PREC, Loni.
- Prepared the Electronics & ETC dept. report for National Board of Accreditation, New Delhi at PREC, Loni in 2003-2004.
- Served as a In charge Principal form 21st May 2008 to 02nd February 2009 at SVIT, Sinnar, Nashik.
- Prepared the DPR report and submit to AICTE, New Delhi for getting the UG Course in Information Technology, 2010.
- Prepared the DPR report and submit to AICTE and Architecture Council of India for starting the New Architecture College in SVIT, Nashik Campus.
- Served as a Head of Department Sir Visvesvaraya Institute of Technology,

Sinnar, Nashik from 16th September 2005 to 30th June 2014.

- Coordinator for organizing the National Conference, SVIT, Nashik 2014.
- Served as a Head of Department, Pravara Rural Engineering College, Loni from 1st July 2014 to 30th June 2017.
- Served as a Head of Department, Sir Visvesvaraya Institute of Technology, Sinnar, Nashik from 1st July 2017.
- Served as a Vice-Principal, Sir Visvesvaraya Institute of Technology, Sinnar, Nashik from 1st July 2017.
- Coordinator for organizing the IETE National Conference,SVIT,Nashik,2019
- Coordinator for first year admission at SVIT, Nashik, 2018, 2019, 2020.
- Core Member for NAAC preparation and Co-Coordinator for NAAC, SVIT, Nashik
- Prepared reports for various Committees viz. AICTE, DTE & LIC.
- Worked as a Member of Admission Committee.
- Design college Brochure & College Prospectus.
- Prepared and submit the CBSC English School proposal to Government of Maharashtra and get sanctioned at SVIT, Nashik Campus in 2019.
- Annual Social Gathering Coordinator, SVIT, Nashik, 2019
- Center Superintendent for NEET examination held in Sept.2020.
- Appointed as a Dean Academic from July 7, 2021 at MVPS's KBT College of Engineering, Nashik.

University Related Work

- Worked as an Internal & External Senior Supervisor for Theory Examination.
- Worked as a flying squad committee chairman for University of Pune.
- Worked as a chairman for Basic Electronics Subject first year Engg., University of Pune
- Worked as a chairman for Power Electronics Subject Third year Engg., University of Pune
- Worked as a Subject expert for UGC Interview, University of Pune.

- Worked as a member of Local Enquire Committee, University of Pune.
- Worked as a Paper Setter & Examiner for various subjects, University of Pune.

Strength

- Ability to quickly adapt to new Environments.
- Positive attitude towards life.
- Hard working & Sincere, sense of commitment & dedication.

Subject of Interest/Handle

- Power Electronics
- Digital Signal Processing
- Optical Fiber Communication
- Fault & Tolerance System
- Electromagnetics & Transmission Line
- Antenna & Wave Theory
- Control System
- Robotics

Professional Membership

- Life Member of Indian Society for Technical Education-39523.
- IEEE Membership -93686275
- IETE Fellow member (F-501305)

Personal Details

- Father's Name   : Shri. Vinayak D. Patil

- Date of Birth   : 24th July 1971.

- Marital Status   : Married.

- Languages Known   : English, Hindi, and Marathi.

- Hobbies   : Reading Books, Playing cricket.

- Permanent Address   : C-04, Vinayak, Hari Niketan

                        Opp: Sant Annes Cathedral Church, New Kala Nagar, Jail Road,Nashik Road,Nashik-01

Declaration

- The above information is true to the best of my knowledge.

Dr. Ulhas V. Patil