



Mrs. POOJA S. TANURKAR

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Objective:

To join and grow with an esteemed organization, where I can effectively utilize my knowledge and skills.

TECHNICAL COMPETENCIES

Operating system: XP, Windows 7,8,8.1,10

Programming Languages: C, VHDL programming, PLC Programming, Embedded C, R language, Python

Simulators: code block software, Indra Logic, FPGA,vivado, Xilinx, VNC-Viewer(R-pi IDE), Keil Vision.

Achievements:

- 15 days Training Program on “ **Internet of Things (IoT)**” under Future Skills Prime programme by NIELT , 17-01-2022 to 28-01-2022.
- 8 months online course on “**Python and Machine learning**” by Marvelous Inforsystem Pune, March 2023-October 2023.
- Best Project award for “Motor Controlled Assembly For Heavy Weight 4 Elements Yagi Antenna”, in National Conference on Advances in Science, Engineering and Technology for Sustainable Development (NCASETSD-22), Government College of Engineering, Karad, 20-21 May 2022.

Online Certificate:

Power System Design & Analysis using DIgSILENT PowerFactory Software with **DELLSOFT Technologies Pvt. Ltd**, MATLAB Onramp Course, ML using MATLAB, Python basics course on coursera and Autospy Training, Networking Simulation using Qualnet Software with **DELLSOFT Technologies Pvt. Ltd**.

WORK EXPERIENCE

Designation	College/University	Duration	DATE
Lecturer	Shyog campus, IIT Polytechnic, Nanded.	2Month	Aug-OC T 2015
Asst. Prof	Government college of Engineering, karad.	18 Month	Oct 7th 2015

Visiting Faculty	Government college of Engineering, karad.	7 Years	15/06/2017-31/05/2024
Visiting Faculty	Government college of Engineering, karad.	8 Month	01/06/2024 – 09/03/2025
Visiting Faculty	Government college of Engineering, karad.	5 Month	27/01/2026-30/06/2026

ACADAMIC BACKGROUND

Education	College/University	Year of Passing	%Of marks
X	SSC Board Latur, Maharashtra	2006	85.73
XII	HSC Board Latur, Maharashtra	2008	64.33
B.E(E&TC)	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	2012	68.40
M-Tech(E.C. E)	Jawaharlal Nehru Technological University, Hyderabad.	2014	85.69
Ph.D in ENTC	Pursuing Ph.D. in ENTC Branch under Shivaji University, Kolhapur.	2021-22	-

JOURNAL PUBLISHED

Journal	Paper Title
International Journal of VLSI System Design and communication Systems , IJVDCS –Sept-2014	4 Bit full adder using10 T with reduced Leakage Power and Ground Bounce
International Journal Research, March 2017	Distribution Transformer Monitoring and Controlling Using GSM Module
International Research Journal of Engineering and Technology (IRJET), May 2021	A Review on Wireless IOT Based Industrial Security Robot
International Research Journal of Engineering and Technology (IRJET), May 2021	A Review on Leaf Disease Detection and Classification Using Image Processing
National Conference on Advances in Science, Engineering and Technology for Sustainable	Human Activity Recognition System

Development (NCASETSD-22), Government College of Engineering, Karad, 20-21 May 2022.	
National Conference on Advances in Science, Engineering and Technology for Sustainable Development (NCASETSD-22), Government College of Engineering, Karad, 20-21 May 2022.	Motor Controlled Assembly For Heavy Weight 4 Elements Yagi Antenna
40th GISFI STANDARDIZATION SERIES MEETING Jointly with International Conference on 6G and Wireless Network Technologies, Kolhapur, 3-5 April,2023.	IOT Based Smart Trolley with Automatic Billing System
40th GISFI STANDARDIZATION SERIES MEETING Jointly with International Conference on 6G and Wireless Network Technologies, Kolhapur, 3-5 April,2023.	Design of smart agriculture Robot using IOT
40th GISFI STANDARDIZATION SERIES MEETING Jointly with International Conference on 6G and Wireless Network Technologies, Kolhapur, 3-5 April,2023.	Effect of Up-sampling in Customized CNN for Grape Leaf Disease Detection
International Conference of Frontier Areas of Science and Technology (ICFAST-2023) 8-9 Sep, 2023, Shivaji University, Kolhapur.	Comparative analysis Model for Grape Leaf Disease Detection

Academic Projects:

1. Project Title: Centralizing Energy Meter

Programming Language : Embedded C and VB
Team size 3

Description: which use in daily energy billing without manual processor all processor doing with GSM modem.

Responsibilities:

- ☐ Designing the system.
- ☐ Module Coding and testing.

2. Project Title: Leakage minimization of 10 t full adder using deep sub micron technology.

Programming Language
Team size

: VLSI design
1

Description: in this project I used 10 T full adder with using deep submicron 70nm technology for logic full adder design circuit this logic used for apply circuit processor through which reduces consuming power ,area for circuit design and speed increases for used in circuit sleep transistor.

Responsibilities:

- ☐ Designing the system.
- ☐ Module Coding and testing

Academic seminar :

1. 4G technology.
2. A SARS method for reliable spectrum sensing in multiband communication systems.
3. Green heterogonous small cell networks: toward reducing the co2 emission of mobile communication industry using uplink power adaptation.

PORTFOLIO HANDLED

Sr. No	Portfolio handled at GCE, Karad
1.	Academic coordinator, E&TC Department, GCE, Karad.
2.	University Affiliation Coordinator
3.	Academic Audit File No. 4 and 6 handler
4.	NBA Students criteria File handler
5.	NAAC CR.No.7 Handler
6.	Exam coordinator, E&TC Department, GCE, Karad.
7.	Member of Purchase committee, E&TC Department.
8.	Faculty In-Charge OF House of Arts Club.
9.	Faculty In-Charge OF Wordsworth Club
10.	Faculty In-Charge OF Pixel Photography Club
11.	Final Year Class Coordinator
12.	ASENT Faculty Co-coordinator, E&TC Department.
13.	Mentor of S.Y, T.Y and Final year students.
14.	Member of Annual Day Committee.
15.	Member of Avishkar Event Committee.
16.	Project Co-coordinator, E&TC Department.
17.	Mini-project and UG project Guide.
18.	Industry Mode MOOC Course coordinator.
19.	Gcek Herlad Magazine Committee

WORKSHOP/EXPERT LECTURES/INTERNSHIP/INDUSTRY VISIT ORGNISED

Sr. No.	Name of Workshop
1.	Faculty Coordinator and Organizer “C++ and Data Structure” 15 days’ workshop organized by TCC institute Pune. 19 th June to 30 th June 2023.
2.	Organizing Committee Member National Conference on Advances in Science, Engineering and Technology for Sustainable Development (NCASETSD-22), Government College of Engineering, Karad, 20-21 May 2022.
3.	Faculty Coordinator and Organizer “Full stack Web Development”30 days’ Workshop organized by under Electro chaser Club 15 th July,2021 To 15 th Aug,2021.
4.	Faculty Coordinator and Organizer “Machine learning and Artificial Intelligence”30 days Workshop organized by under Electro chaser Club 15 th Aug,2021 To 15 th Sep, 2021..
5.	Online 1 Week FDP-SIVPAPA-2020 Organized, 26 th to 30 th , May,2020.
6.	Faculty coordinator for shurnkhala event under house of arts club on 10 th Oct,2022.
7.	Faculty coordinator for “Caricature Workshop” Under House of Arts club 20 th March,2022
8.	Software Testing workshop organized, under Electro chaser Club, in 27 th and 28 th July,2019
9.	Python workshop organized, under Electro chaser Club, in 31 st and 1 st Sept,2019
10.	MATLAB workshop organized, under Electro chaser Club, in 28 st Sept and 2 nd oct,2019
11.	Expert Lecture on” Propagation Model in wireless communication and their industrial application” for final year students, on 29 th august,2019
12.	Internet of things Internship Program, under electro chaser Club, in may 24 th to 28 th 2019.
13.	Deep Learning tools and Technologies, under Electro chaser Club, in April 2019.
14.	Interfacing to Microcontroller 8051 using assembly and Embedded C, in 20 th and 21 th Oct,2016.
15.	Industry Expert Lecture on “Audio Video Engineering” For Final Year Students, in March 2016.
16.	Industry Visit to CSIR-National Institute 2of Oceanography, Dona Paula, Goa Government organization for B.E ENTc student.
17.	Industry Visit to Laxmi Rickshaw Body Pvt.Ltd Aurangabad for S.Y. EnTC.
18.	Industry Visit to Viral Electronics Pvt.Ltd Nasik for B.E. ENTC on 25 th and 26 th July 2017.
19.	Training program (workshop) on “Vivado Software using Zybo and Zed broad VLSI Design” for T.Y.B.Tech students.
20.	Techno art Event organized under House Of Arts Club at GCE, Karad, on 5 th Sept,2019.
21.	Madhubani Tradition art skill workshop organized under House of Arts club at Gce, Karad , on 12 th Sept,2019.
22.	Drawing Competition under House of arts Club ,at Gce ,karad, on 21 th feb 2019.
23.	Drawing Art Exhibition conducted for students under House of Arts Club, Gcekarad, on 24 th Feb,2019.
24.	Drawing Competition under House of arts Club ,at Gce ,karad, on 18 th feb 2020.

25.	Drawing Art Exhibition conducted for students under House of Arts Club, Gcekarad, on 28 th Feb,2019.
26.	The Spica Art competition under HOA Club at GCEKarad on 8-14 aug,2021.
27.	Online artistic Competition under HOA Club at GCEKarad, on 7-18 Feb2022.
28.	Caricature Workshop under HOA Club at GCEkarad, on 20March,2022.
29.	On the spot landscape Painting workshop under HOA club at GCEkarad, on 24 July,2022
30.	Handmade Poster Presentation Competition under HOA club at GCEKarad on 15 sep,2022.
31.	Srunkhla Grand event organized by HOA club at GCEKarad, on 15 oct,2022.
32.	Spectrum painting competition and exhibition organized by HOA club at GCEKarad, on 28 Jan,2023.
33.	“Marathi Hastalikhit” national Marathi Rajybhasha Gaurav Din organized by HOA club at GCEKarad on 27 feb,2023.

WORKSHOP/FDP ATTENDED

Sr. No.	Name Of Workshop	Location	Date	Duration
1.	Embedded System Development on ARM.	ENTC Department, GCE , karad	14 th to 18 th Dec, 2015	1 week
2.	Pedagogy to synergy- An Innovative Strategy foe Progressive Education.	FSD, GCE karad	30 th to 3 rd June 2016	1 week
3.	Programming Logic Control(PLC)	By Rexroth Bosch Group, at GCEK	7 th -9 th ,Oct 2016	3days
4.	Advance Pedagogy	By EQUATE, at GCEK	13 th -16 th Oct 2016	3days
5.	Basic Electro pneumatics	Mechanical Department,GCE,karad	Dec 2016	
6.	STTP under SPFU TEQIP-II on applied Sensor Technology	Electrical Department,GCEkarad	13 th -14 th Feb,2016	2days
7.	Machine Learning : Data Science using python and R programming	ITDepartment, GCEkarad	11 th to 15 th Dec, 2017	1 week
8.	Recent Trends in VLSI Technology and Digital ASIC design using CMOs EDA Tool	ENTC Department, GCE , karad	11 th to 16 th nov,2019	1 week
9.	Advances and Practices in power generation systems.	Mechanical Department, GCE,karad	09 th to 13 th Dec 2019	1 week
10.	Online FDP on Digital Forensics and Security	MCA, DEP, GCE Karad	25 th to 29 th April, 2020.	1 week

	Research			
11	Online FDP on MATLAB APPLICATIONS IN ENGINEERING AND SCIENCE	Civil Department, GCE Karad	27 th April to 1 st May,2020	1 week
12	Computational Tools and Techniques: MATLAB, ANSYS	Mechanical Department, GCE, karad	27 th April to 1 st May,2020	1 week
13.	Online FDP on Research Opportunities in Electrical Engineering	Electrical Department, GCE, Karad	7 th to 16 th May,2020	2 week
14.	Online FDP on “Recent Advances in Modeling and Optimization Techniques”	Mechanical Department, Sharad Institute of Technology, Polytechnic, Yadrav-Ichalkaranji.	1 st to 5 th June,2020	1 week
15	Online FDP on “Innovative Teaching Pedagogy in the Technical Institutions”	KBT,Nashik	1 st to 5 th June,2020	1 week
16.	Online FDP on Writing High-Impact Research Papers, Effectively & Efficiently	G. H. Raisoni Institute of Business Management, Jalgaon	4 th to 6 th June,2020	3 Day
17.	Online FDP on “Academic Writing and IPR”	Mechanical Department, Sharad Institute of Technology, Polytechnic, Yadrav-Ichalkaranji.	8 th to 12 th June, 2020	1 week
18.	Online FDP on GEO-SCIENCES IN ENGINEERING 2020 (GiE20’)	Applied Science Department,GCE,Karad	9 th June 2020 to 13 th June 2020	1Week
19.	Online FDP on Signal, Image & Video Processing: A Practical Approach (SIVPAPA-2020)	ENTC Dept, GCE, karad	26 th may to 30 th may ,2020	1 week
20.	Simulation Tools for Research	Sharad Institute of Technology, Polytechnic, Yadrav- Ichalkaranji	8 th to 14 th feb,2022	1 week
21.	Optimization Techniques	Government College of Engineering, Karad	10 th Dec,2021.	
22.	Recent trends in AI	RM CET, Devrukh	11 th ,17 th Jan,2022.	1 week
23.	National e-workshop on	CSIR-Institute Minerals	13-18	1 Week

	Innovation and Intellectual Property Rights	and Materials Technology, Bhubaneswar	June,2022	
24.	Artificial Intelligence and Machine Learning for Image Analysis – MATLAB & Python Perspective	Department of Electronics and Communication Engineering, CMR Institute of Technology, Bengaluru	08-05-2023 to 13-05-2023	1 Week
25.	Artificial Intelligence and Generative Model	Department of Information and Technology, VIT ,Pune	15-01-2024 to 19-01-2024	1 Week
26.	Design of RF and Microwave circuits and applications	Dept of Elctronics and communication Engg, VNRVJIET ,Hydrabad	03-05-2024 to 04-05-2024	2 days
27.	The Art and Science of research writing: Quality indexing and Academic recognition	JBREC, Hydrabad	27/01/2025 to 01/02/2025	1 Week
28.	IoT and Industry 4.0	Department of ENTC YTC, Satara	18/08/2025 to 22/08/2025	1Week
29.	AI-Data science Driven Innovations in Agriculture and biomedical Engineering	Jaywant College of Engineering and Polytechnic	09/02/206 to 14/02/2026	1 week

KEY RESPONSIBILITIES HANDLED

• Subject Taught: Data structure with CPP, Robotics, Image and Video processing , Computer organization and system Programming ,VHDL, Embedded C, Satellite Communication, Wireless Communication, Open Source Embedded Platform (Arduino, Raspberry Pi, Python), audio-video Engineering. • Worked in Admission Cell department, NBA Accreditation, NAAC accreditation Committee. • Industry Mode MOOC Course Coordinator. • MOODLE, MIS Departmental /coordinator. • Committee Member of Gathering in Cultural Activity of Dance. • Feedback Co-coordinator. • Designed Curriculum of Video Engineering, satellite Communication and Broadband Communication, Random Signal Processing, Computer Origination, Network Analysis. • ESE Theory and Practical Exam In charge. • ESE Theory Question Paper setter. • Assessment of University Exam Papers for Audio-Video Engineering and Autonomy papers for satellite communication, wireless communication, BECP. • Laboratory Development/Equipment Purchase of Audio-Video Lab.
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- Practical External Oral Examiner at DACOE, Karad for AWP course in 2016.
- External Senior Examiner of university Theory Examination at DACOE, karad in April 2016.

PROJECT GUIDED

Sr. No.	Title	Year
1.	Operator guidance using local positioning system	17-18
2.	IOT based dissolved gas analysis	17-18
3.	EVM using fingerprint System	17-18
4.	Distribution Transformer Monitoring and Controlling Using GSM Module	18-19
5.	Online Monitoring and Control System For Green House	18-19
6.	Patient Monitoring System (2nd Prize in I2I Project competition in COEP, Pune)	18-19
7.	Crop Protection From Inadequate Temperature Conditions	18-19
8.	To diagnose diseases, using computational 'Nadi' patterns	19-20
9.	Assisting Device for Blind	19-20
10.	A Review on Wireless IOT Based Industrial Security Robot	20-21
11.	A Review on Leaf Disease Detection and Classification Using Image Processing	20-21
12.	Human Activity Recognition System	21-22
13.	Motor Controlled Assembly For Heavy Weight 4 Elements Yagi Antenna(Best Project award in national conference GCEkarad 21-22)	21-22
14.	Design of smart agriculture Robot using IOT	22-23
15.	IOT Based Smart Trolley with Automatic Billing System	22-23
16.	IOT Based Cattle Health Monitoring System.	23-24
17.	Footsteps Power Generation	23-24

HOBBIES

Drawing Pencil Sketch, Reading Books.

Personal Particulars

- ☐ **Date of Birth:** July 5, 1991
- ☐ **Languages Known:** Hindi, English, Marathi and Telegu.
- ☐ **Nationality** - Indian

Declaration

I hereby affirm that the information furnished above is true to the best of my knowledge.

POOJA TANURKAR