

Curriculum Vitae

Name: Prasad Jaikumarrao Palkar

Address: Row House no 23, Apratim Vaastu Near Chate School,
Satara Parisar, Beed bypass, Aurangabad.

E-mail: palkar.prasad@mit.asia

Mobile: +91-9422928212

Date of Birth: 24/02/1987



Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%/CGPA	Class
M.E./ M. Tech.	Mech. – CAD/CAM	Kolhapur Institute of Technology	Shivaji University, Kolhapur	2013	63%	First Class
B.E./B.Tech.	Mechanical	M. S. S. C. E. T. Jalna	Dr. B.A.M.U. Aurangabad	2009	64%	First Class

M. Tech. Project: Development of Supervisory Control and Data Acquisition System for water treatment plant, for Maharashtra Jeevan Pradhikaran, Baramati, Maharashtra. An Automation project for increasing the quality of drinking water and minimizing the losses. (Gov. of Maharashtra Sponsored)

Key Research Areas: Mechatronics, Industrial Automation.

Experience

Sr. No.	Organization	Post	From	To	No. of Years
01	G. S. Mandal's M. I. T. Aurangabad	Assistant Professor	August 2013 till present		-
02	D. Y. Patil COE, Kolhapur	Assistant Professor	July 2011 to May 2013		1 year 10 months
03	Grameen Poly. Nanded	Lecturer	December 2009 to August 2010		9 months

List of Courses Taught/Teaching at UG level

- Mechatronics
- Industrial management
- CAD/CAM/CAE
- Computer aided design and manufacturing
- Automobile engineering
- Machine drawing
- Design of jigs and fixture
- Engineering drawing

List of Courses Taught/Teaching at PG level

- Industrial Automation

Additional Assignments/Duties

i/c MIT-SIEMENS Centre of excellence for Mechatronics.

- Established “Centre of Excellence for Automation and Mechatronics” in collaboration with siemens at present college and working as in-charge Centre of excellence for Mechatronics.
- Conducted training programs for students as well as company professionals on Siemens training courses.
 - Basics of PLC - TIA V12,
 - SCADA – WinCC Professional,
 - Basics of Mechatronics,
 - Siemens Mechatronics System Certification Program Level 1.

Membership of Professional Bodies

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Research Projects/Projects Guided

Academic Projects: -

- PLC based automated parking system (2013-14)
- PLC based pick and place model (2013-14)
- Automated solar panel cleaning project (2014-15)
- PLC based water level controller (2014-15)
- Automated water theft controller (2014-15)
- Automated storage and retrieval system (2016-17)
- Pick and place based automated Sorting system (2016-17)
- Smart vehicle – Automatic accident prevention system (2018-19)

Industrial Projects: -

- Development of a conveyer-based system for sorting of components with Vision(camera) sensor (July 2015) - Marathwada Auto Cluster, Waluj Aurangabad.
- Arduino based system for prevention of feeding of machined component to hobbing machine (July 2016) - Sanjeev Auto, Waluj, Aurangabad.
- Automation solutions regarding gear box assembly machine optimization (2016-17) - Sanjeev Auto Plant Waluj, Aurangabad.
- Design of automated assembly line for relay manufacturing machine (February 2016) - BG - LIN Aurangabad.
- Semi-automated assembly station for engine parts assembly (2017-18) - Greaves cotton ltd., Chikalthana Aurangabad.

Computer/Software Proficiency

- Siemens Totally Integrated Automation V12
- Siemens WinCC Professional V12
- Siemens PCS 7
- Creo
- Solidworks
- Ansys

Seminar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference Attended

- FDP on Mechatronics and Industrial Automation, at COEP.
- Virtual lab development workshop, at PVGCOE with IITB.
- Siemens TTT for:
 - Siemens Mechatronics System Certification Program Level 1
 - PLC programming - TIA V12
 - SCADA - WinCC professional V12
 - Distributed control system - PCS 7
- BAJA SAE India at BAJAJ Auto, Aurangabad.
- Recent Advances in Design at Dr. J. J. Magdum C.O.E., Jaisingpur.
- Structural Analysis Using ‘Ansys’ at K.I.T.C.O.E., Kolhapur.
- Foundry Technology at D.Y.P.C.E.T. Kolhapur.
- Plastic Technology at D.Y.P.C.E.T. Kolhapur.
- ‘Machine Tool & Cutting Technology at D.Y.P.C.E.T. Kolhapur.

Seminar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference organized

- Organizing committee member of National Level Conference NCETETA for year 2012 & 2013.
- Conducted FDP on Mechatronics and Industrial Automation, at MIT Polytechnic, college, Aurangabad (Feb 2018).
- Conducted FDP on Mechatronics and Industrial Automation, at MIT B. tech. college, Aurangabad (Feb 2021).
- Conducted several training batches for various industry and college participants in collaboration with Siemens - Sitrain India.

Invited talks delivered

- Industrial automation expert talk at Devgiri Engg. College, Aurangabad.

Projects, Research Grants and Consultancy

				Total participants	Total Revenue generated
				387	16,39,183
Sr. No.	Batch Name	Location	Duration	No. of Participants	Revenue generated (Rs.)
20	Basic Mechatronics Course	MIT Aurangabad	July 2019 to Nov 2019	6	60000

19	SMSCP L1	Siemens Mumbai	10/06/2019 to 27/06/2019	15	1,49,170
18	SMSCP L1 (Siemens Ltd.) (Eight Batches)	Siemens Mumbai and Aurangabad	10/12/2018 to 29/01/2019	150	3,60,000
17	Basic Mechatronics (VJTI Mumbai students)	Siemens Mumbai	01/07/18 To 14/07/18	25	95,000
16	Basic Mechatronics (VJTI Mumbai students)	Siemens Mumbai	18/06/18 To 23/06/18	25	
15	Basic PLC	MIT Aurangabad	04/06/2018 To 15/06/2018	3	15,000
14	FDP on Mechatronics (MIT P Faculties)	MIT Aurangabad	05/02/18 To 17/02/18	11	-
13	Basics Mechatronics	Siemens Mumbai	15/01/18 To 25/01/18	18	5,12,500
12	Basics Mechatronics	MIT Aurangabad	15/01/18 To 25/01/18	18	
11	Basics Mechatronics	Siemens Mumbai	02/01/18 To 12/01/2018	15	
10	Basics Mechatronics	MIT Aurangabad	02/01/18 To 12/01/18	14	
9	Basics Mechatronics	MIT Aurangabad	08/12/17 To 19/12/17	20	
8	Basics Mechatronics	Siemens Mumbai	03/12/17 To 21/12/17	21	
7	Basic PLC (Frigorifico Allana Limited)	MIT Aurangabad	06/11/2017 To 11/11/2017	1	7,500
6	Basic PLC (MIT T Students)	MIT Aurangabad	19/09/16 To 24/09/16	3	22,500
5	SMSCP L1	Siemens Mumbai	06/06/16 To 08/07/16	5	1,53,513
4	Basic SCADA (MIT T Students)	MIT Aurangabad	23/05/16 To 28/05/16	3	18,000
3	Basic PLC (MIT P Students)	MIT Aurangabad	16/05/16 To 21/05/16	27	36,000
2	SMSCP L1	MIT Aurangabad	11/08/2014 To 01/10/2014	5	1,50,000
1	Basic PLC	MIT Aurangabad	-	8	60,000

Intellectual Property Rights

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List of Research Publications

Papers in National/ International Journal

- ‘SCADA a tool to increase efficiency of water treatment plant’, at Asian Journal of Engineering and Technology Innovation, ISSN: 2347-7385.
- ‘Computer aided optimization of machining parameters for single pass turning process’, at Asian Journal of Engineering and Technology Innovation, ISSN: 2347-7385.

Books/ Book Chapter

Papers in National /International Conference Proceedings

- ‘A Review on Mobile Phone Based SCADA System for Industrial Automation’ at NCETEA-2012, D.Y.P.C.E.T., Kolhapur.
- ‘SCADA System for Water Treatment Plant Automation’ at NCETETA-2013 D.Y. P.C.E.T., Kolhapur.
- ‘A Review of Reverse Osmosis for Water Treatment Plant’ at NCETETA-2013 D. Y.P.C.E.T., Kolhapur.

NPTEL Certification

Start Date	End Date	Duration (in Weeks)	Course Name
Jan 2019	April 2019	12	Introduction to Industry 4.0 and Industrial Internet of Things

Awards, Achievements and Recognition

- Siemens certified trainer for Mechatronics/Industrial Automation, PLC programming and SCADA.

Date:

Place: Aurangabad