



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय
Accredited by NAAC with "A+" Grade



Department of Electrical Engineering

Faculty Profile

Prof. Padmaja Sankala

M.E (Power Electronics & Drives)
Assistant Professor

✉ pksankala@aissmscoe.com

☎ (020) 26058587; Extn: 1505



Research Areas / Areas of Interest

Power Converters, Electrical Drives, Renewable Energy

Personal Details

Date of Birth : 10 /07 / 1981

Domicile: Andhra Pradesh

Gender : Female

Blood Group: AB+ve

Contact Details: Electrical Engineering Dept, AISSMS COE Pune

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	M.E.	Electrical - Power Electronics & Drives	Anna Univ ,Chennai	1 st	2005
2	B.Tech	Electrical & Electronics Engineering	JNTU,Hyderabad	Dist	2002

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	16	05
Total		16	05

Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Power Electronics	UG	TE	10
2	Industrial drives	UG	BE	10
3	Network analysis	UG	SE	01
4	Introduction to Transportation systems	UG	BE	01
5	Power Converters	PG	FYME	05
6	Design of Power Electronics Systems	PG	FYME	03

7	Basic Electrical Engineering	UG	FE	02
8	Electrical Technology	UG	SE	01

Research Publications

	National	International	State/Regional	SCI/Scopus Indexed	UGC Approved
Journals		04			
Conferences	02		01		

Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ISSN	Publisher
1.	Design of Supercapacitor Storage Bank for Fast Charging using Single Phase Matrix Converter	Mrs P Sankala, Ms Shruti Atkore & Dr Parag Choudhary	2022	International Journal of Engineering Research & Technology (IJERT), Vol. 11 Issue 08, August-2022	ISSN: 2278-0181	
2	Comparison of single phase 21 level cascaded H bridge MLI with reduced switches and sources for renewable	Mrs P Sankala & Ms Gayathri Kulkarni	2019	International Journal of Engineering Research & Technology (IJERT), Volume 6, 11 September 2019.	e-ISSN: 2395-0056 p-ISSN: 2395-0072	

	energy applications					
3	New Approaches for Harmonic Reduction using Cascaded H bridge and Level module	Mrs P Sankala & Mr Kiran Nandargi	2015	International Journal of Innovations in Engineering Research and Technology(IJIERT), Volume 1 Issue 2 2015.	ISSN: 2394-3696.	NOVATEUR
4	Modeling and Simulation of Three Phase Brushless DC Motor using Model Reference Adaptive Controller	Mrs P Sankala & Ms Richa Papdeja	2014	International Journal of Inventions in Computer Science and Engineering, Volume 1 Issue 3 2014.	ISSN (Online): 2348 – 3539, ISSN (Print): 2348 – 3431	

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
1.	Sensor less control of BLDC motor	Mrs P Sankala	2010	Regional conference for Pune University College Teachers		Pune University

				"INNOVATION -2010" held at P.D.V.V.P College of Engineering		
2	Comparative study of performance of Grid connected and Standalone Photovoltaic generation systems" at	Mrs P Sankala	2009	National conference held at K.K.Wagh institute of Engineering and Research, Nashik, Maharashtra, Dec 2009		
3	The application of the dc traction motor to dc rapid transit systems and electrified rail roads	Mrs P Sankala	2005	National Conference held at A.C.Tech, Karaikudi, Tamilnadu		

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	05	30

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
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Institute of Engineers(I)	National	Life	M-159574-6
IETE	National	Life	

Details of Workshop / STTP / FDP / Seminar / Conferences Organized

S. No	Title	Type	Duration	Level (Dept/Regional/ State/National/ International)	Sponsoring Agency
1	Students' Symposium, Watts	Symposium	3 days Every year	National	EED, AISSMS COE Pune
2	Fabrication of Buck converter	Workshop	30 th Aug 2022	Department	EED, AISSMS COE Pune
3	Modern Trends in Energy systems	FDP	7 th Feb to 11 th 2022	National	EED, AISSMS COE Pune
4	First Regional Conclave of Students' Chapter of The Institution of Engineers (India)for Western Region for the year 2021-22		09-10 Decemb 2021	Regional	Institution of Engineers
5	Fabrication of Buck converter	Workshop	23 rd Nov 2021	Department	EED, AISSMS COE Pune
6	Tree Plantation Drive for Faculty and students		One week 26 Feb 2021 to 4th March 2021	Department	EED,AISSMS COE Pune
7	Power Electronics and Drives.	Online quiz	21 st May to 26 th May2020	National	EED,AISSMS COE Pune
8	Emerging trends in Power Ele & its Application	Workshop	27-28 Feb 2015	National	SPPU,Pune

9	Structure and Syllabus Revision for ME Electrical 2013 course	workshop	8th Nov 2012	University	SPPU,Pune
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Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date
1	Judge , AISSMS COE Pune	Science Exhibition	National	20 th Oct 2022

Details of Workshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
11	Modern Trends in Energy systems	FDP	7 th Feb to 11 2022	EED, AISSMS COE Pune	
2	"Personality Development"	FDP	18 -25 Aug 2021	NIT, Nagpur	
3	IIPS-2021" Innovative & Inventing Problem Solving,Phase IV	STTP	13th to 18 th July 2021	Production Engineering Department AISSMS COE	
4	Recent trends in Energy & Power Systems	FDP	6 th -9 th Sep 2021	School of Electrical Engineering VIT, Chennai.	
5	TE Syllabus orientation	workshop	9-11 Aug 2021	DYP COE	
6	Power Systems	Refresher Course	1st to 16th March 2021	HRDC JNTU, Hyderabad	HRDC JNTU, Hyderabad
7	Small wind turbines	Induction Course	28th Apr to 4 May 2021	KJ COER, Pune	AICTE & ISTE
8	Role of ICT in teaching learning process	Induction program	19th May to 25 th May 2021	Sanjivani IT College Kopargaon	AICTE & ISTE
9	NPTEL –Power Electronics	FDP	One and half week(June -Sep 2019)	MHRD-Swayam	MHRD- Swayam

10	NPTEL-Electrical Drives	FDP	1 week(June -Sep 2019)	MHRD-Swayam	MHRD-Swayam
11	Vision,Mission,PEO, PO,PSO,CO: Framing, mapping,assessment and attainment	FDP	1 week	AISSMS COE pune	
12	NPTEL –Power Electronics	FDP	One and half week	MHRD-Swayam	
13	"Interactive Impactful Learning Techniques"	FDP	18th -20th July,2020	KCCMSR THANE	
14	Solar Energy Conversion & Storage	FDP	August 31 - September 04, 2020	Poornima Institute of Engineering & Technology, Jaipur	
15	Modeling and Simulation of Renewable Energy Systems using MATLAB	STTP	3 - 7, Aug 2020	Misrimal Navajee Munoth Jain Engineering College, Chennai	AICTE
16	Advancements in Electrical Engineering: An Academic & Industrial Approach	Workshop	3 - 8, Aug 2020	NIT Silchar	AICTE (TEQIP-III)
17	Optimal Operation of Power System Incorporating renewable Energy sources	STTP	1 week ,27 J 1 August 2020	SAGE Sagar Institute of Research and Technology Bhopal	AICTE
18	Future Scope of Engineering in Global Development	Industrial Training Program		Department of ECE , Velalar College of Engineering &Tech	Pantech E Learning
19	OOPSIRES	STTP		SIRT Bhopal	
20	Virtual Labs : hands on workshop for faculty of all engineering Disciplines	Workshop	18th july 2020	IITB Virtual lab & AISSMS COE Pune	IITB
21	Interactive Impactful Learning Techniques	FDP	18th -20th July,2020	KCCMSR THANE	
22	Harnessing solar energy for reducing carbon foot print conducted by	FDP		SSTC, Bhilai	
23	Advanced Teaching Tools, Techniques and Methodologies for Outcome Based Education organized by from 1-5 June 2020	FDP	1-5 June 2020	AISSMS COE	ISTE
24	Paradigm Shift In Higher Education Institutes:	FDP	1-12 June 20	Dr. D. Y. Patil Institute of	ISTE

	Opportunities and Challenges			Technology(DIT), Pimpri, Pune	
25	Solar Energy and Energy bill audit organised by	FDP	25- 27May 2020.	PCCOE Nigdi	
26	Modern Trends in Electrical drives	FDP	19- 23 May 2020	EED Nagpur Institute of Technology, Nagpur	
27	Renewable Energy Sources	FDP	15- 19 May2020	CumminsCEW, Nagpur	
28	Outcome Based Education	FDP	11- 15 May 2020	Mechanical Engineering Dept, GCE Karad	
29	IPR and patent Prosecution conducted by from	FDP	6- 10 May 2020	CMREC, Hyderabad	
30	OUTCOME BASED PROGRAM CURRICULUM DESIGN	FDP	10-14 Dec 2019	AISSMS College of Engg, Pune	ISTE
31	Power Electronics	Course orientation	12 weeks	NPTEL	MHRD
32	Fundamentals of Electric Drives	Course orientation & FDP	8 weeks	NPTEL	MHRD
33	Awareness on Open Resource platform for Online learning, Research and Self study	FDP		AISSMS College of Engg, Pune	
34	Vision-Mission-PEO-PSO-PO-CO: Framing, Mapping, Assessment and Attainment	FDP	10-15 June 2019	AISSMS College of Engg, Pune	ISTE
35	Recent Trends in Solar Thermal Systems and its scope in India	Workshop	21—22 Feb 2019	AISSMS COE	SPPU
36	Computer Aided Techniques in Electrical Machines and Power Electronics Drives	Workshop	12- 13 Feb 2019	PES's Modern College of Engineering, Pune	SPPU -QIP
37	Power Electronics Applications and control of E Vehicles and Drives	Workshop	10 -11 Jan 2019	AISSMS IOIT Pune	SPPU
38	LATEX	Workshop	19 -21 Nov 2015	AISSMS COE Pune	
39	Emerging trends in Power Electronics & its Application	Workshop	27-28 Feb 2015	Electrical Dept AISSMS COE	SPPU
40	BE 2012 course Syllabus Revision Workshop	Workshop	7 th Jan 2015	PVG COET Pune	SPPU

41	Advances in Power Electronics & its Application in Smart Grid	Workshop	6 th to 10 th Jan 2015	ZES's Dyanganga COER Pune	SPPU
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Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1	Department Student Activity Incharge
2	Department Media co ordinator
3	Department NAAC Criteria 2 Incharge
4	Department NBA Criteria 5 Incharge
5	Engineering Today Co Ordinator
6	Department Purchase Incharge
7	Student welfare Incharge
8	Department Timetable Incharge
9	Light & Sound Committee Incharge/ member during Shivanjali
10	Reception Committee Incharge/ member during Shivanjali

Declaration: I hereby declare that all the statement made above are correct to the best of my knowledge and belief.

Mrs P Sankala

(Name with Signature)