Department of E &TC Engineering

Faculty Profile

Prof.S. B. Dhekale

ME(VLSI & Embedded System)

Assistant Professor

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Research Areas / Areas of Interest

Embedded System, IOT, Machine Learning

Personal Details

Date of Birth :	03 / 01 / 1979	**Domicile:**	Maharashtra
Gender :	Male	**Blood Group:**	O+
Contact Details:	Valay , Near PMC Swimming Tank, SasaneNagar Hadapsar Pune-411028		

Academic Background

S. N0.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	PhD	E&TC	SPPU,Pune	--	Purshing
2	M.E.	E&TC	SPPU,Pune	Ist	May 2016
4	B.E.	Electronics	Kholapur	Ist	May 2003

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	16	00
2	Research	00	00
3	Industry	4	2
4.	Others	--	--
Total		**20**	**2**

Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Data Structures & Algoriths	UG	SE (E&TC)	12
2	Object oriented Programming	UG	SE (E&TC)	06
3	Computer Organisation	UG	SE (E&TC)	04
4	Microcontroller & Applications	UG	TE(Elex)	03
5	Microcontrollers	UG	TE(E&TC)	01
6	SPOS	UG	TE(E&TC)	02
7	CNS	UG	BE(Elex)	01

8	EPD	UG	BE(E&TC)	01
9	DLED	UG	SE(IT)	01
10	Basic Electronis Engg.	UG	SE	01
11	Embedded Automotive System	PG	ME-II	01
12	ASIC Design	PG	ME-II	01
13	Fundamental Java Prog.	UG	TE(E&TC)	03
14	Java Script	UG	BE	02
15	Advanced Java Programmig	UG	TE(E&TC)	01

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	01	07	--	--	--
Conferences	01	02	--	--	--

Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1	Development of 3DOF Kinematics	S B Dhekale	2018	IJRITCC	2331-8161	Auricle Tech. Pvt Ltd
2	E-Unifrom	S B Dhekale	2018	IJAERD	2348-6406	IJAERD
3	IOT Based Smart Helmet for Mining Industry	S B Dhekale	2019	IJRAR	2349-5138	IJRAR

S No	Document Details	Authors	Year			
4	IOT Based Monitoring and Mapping of Absentee visualization on the shop floor	S B Dhekale	2020			
5	Smart Mirror Using Raspberry Pi	S B Dhekale	2021	IJIRSET	2347-6710	IJIRSET
6	Raspberry Pi Based Anti-theft Based vechile starter system using face Recognition	S B Dhekale		IJIRSET	2347-6710	IJIRSET

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised By
1	Smart Home Safety and Security System using GSM Tech	S B dheklae	2016	EEECOS-2016		SASJ Intitute of Tech & Engineering,AdhraPradesh
2	IOT Based Monitoring and Mapping of Absentee visualization on the shop floor	S B Dhekale	2020	NCIET		AISSMSCOE Pune
3	Recognition of Emotions Using ML	S B Dhekale	2023	IEEE Mumbai		ST Francis Intitute of Technology Mumbai

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	--	38

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
IETE	National	Fellow	F502371
ISTE	Natinal	Life	
SESI	National	Life	

Patents / IPR Filed / Granted

S. No	Investigator Details	Title	Year	Status (Filed/Granted)	Details
1	202141028830	Feature extraction & Machine leaning for evaluation of Students communication Skills	2021	Published	--

Books Published

S. No	Title	Name of the Publisher	ISBN/ISSN Number
1	Data Strutures	Teechnical Publication	978-93-90041-36-7
2	Object Oriented Programming	Technical Publications	978-93-90770-10-6
3	Fundamentals of Java	Technical Publications	
4	Advanced Java Programing	Technical Publications	

Research Grants Received

S. No	Program	Duration	Funding Agency	Grant Amount
1.	--	--	--	--

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

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
1	Aurdinio	FDP	1 Week	National	IIT
2	Advanced Teaching Tools, Techniques and Methodologies For Outcome Based Education	FDP	1 Week	Intenational	ISTE. IEI
3	Vision Mission PEO PSO PO CO Framing Mapping Assessment and attainment	FDP	1 Week	College	ISTE
4	Medical Image prosessing and Analysis	STTP	1Week	National	AICTE
5	Industry Academia Connect session	Workshop	1 Day	National	NASSCOM
6	PIC Microcontroller	Course	3day	National	WCE Sangli
7	SE E &TC syllabusStrucutre	Workshop	1Day	Univesity	SPPU Pune

	Finalization				
8	TE E &TC syllabus Discussion	Workshop	1Day	University	SPPU Pune
9	TIVA Processor	FDP	1Day	National	SPPU & Texas
10	Object oriented Programming	FDP	1 Week	University	SPPU Pune
11	Data Structures and Algorithms	FDP	1Week	University	SPPU Pune
12	Data Structures and Algorithms	FDP	1Week	University	SPPU Pune
13	Faculty Trainning Cell	FDP	3Day	College	AISSMSCOE
14	Image Processing Application using	STTP	1Week	State	SPPU
15	C Programming For 8051 Family	Workshop	1Day	State	IIPC
16	Analog Maker Competation	Workshop	1Day	College	Texas
17	Rubics Data Science	FDP	1Week	College	Rubics
18	S E E&TC Syllbus Finaliztion	Workshop	1Day	University	University
19	Virtual Lab	Workshop	1Day	University	IEI
20	Data Science	FDP	1 Week	University	Shivaji University
21	Machine Learning snf Its Applications	Workshop	2Day	University	AISSMSCOE
22	Innovative Methos of Teaching	Workshop	1Day	College	IBS

Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date
1	Expert lecture on Data structure ,at PDM. DYPatil IOE Pimpri	C Programming	Regional	12/02/2011
2	Expert lecture on Data structure, at ICOER Wagholi	Data Strucures and Algorithms	Regional	17-18-31/03/2012

3	Expert lecture on Data structure, at JSCOE Hadapsar	Data Strucures and Algorithms	Regional	**09-17/08/2013**
4	Expert lecture on Object Oriented Programing ,at JSCOE Hadapsar	Fundamenytals of C++ & Java	Regional	**28-29/03/2014**
5	Faculty Orientation Workshop Data Strucure & Algorithm, at I2IT Pune	FDP on Data Structures and Algorithms orgarnised by SPPU on Unit-V	Regional	**11/06/2016**
6	Expert lecture on Data structure at Zeal COE Pune	Coice of Data Strucutre and Algorithmdesign Methods impact the performace of programs	Regional	**04/10/2018**
7	Expert lecture on OOP at Zeal COE Pune	Describe and use the concepts in Java to devlop user friendly program	Regional	**26/03/2019**
8	Expert lecture on OOP at Keystone COE Pune	Basics of Java Programming	Regional	**03/04/2019**
9	Expert Lecture on Data Strucures Navsahyadri Group of Intitiute and College of Engineering	Link List ,Stack,Tree Graph	Regional	**Oct-2023**
10	Expert Lecture on Fundamental of Java Programming Navsahyadri Group of Intitiute and College of Engineering	Applets	Reginal	**Oct-2023**

Details of Worshop / STTP / FDP / Conferences Attended

S.N	Title	Type	Duration	Organizer	Sponsoring Agency
1	Faculty Development Program at AISSMSCOE	FDP	1Day	AISSMSCOE Pune	
2	Faculty Orientation at Workshop RSCCOE Pune	FDP	1Week	SPPU Pune	
3	Faculty Orientation at Workshop IIIT Pune	FDP	1Week	SPPU Pune	
4	Faculty Orientation Workshop at MESCOE Pune	FDP	1Week	SPPU Pune	
5	TIVA Processor FDP at PVG Pune	FDP	1Day	PVG Pune	
6	C Programming for 8051 using SPJ at WCE Sangli	FDP	1Day	WCE Sangli	
7	Syllabus Discussion TE E&Tc MMIT Pune	FDP	1Day	SPPU Pune	
8	Syllabus Finalization SE E&Tc IOIT Pune	FDP	1Day	SPPU Pune	
9	Syllabus Finalization SE E&Tc MESCOE Pune	FDP	1Day	SPPU Pune	
10	Certificate Course on PIC WCE Sangli	WS	1Day	WCE Sangli	
11	1mage Processing Application using MATLAB STTP SAE Pune	STTP	1Week	SPPU Pune	
12	FDP on Data Science at AISSMSCOE Pune	FDP	1Week	AISSMSCOE Pune	
13	Fundamental of Java Programming	FOW	3Days	SPPU Pune	
14	DBMS	FOW	3Days	SPPU Pune	

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1	Department Academic Coodinator (2016-2023)
2	Department Project Cordinator
3	IETE Students Forun(ISF) Coordinator

Awards Received

S. No.	Awards
1	Appriciation by Principal AISSMSCOE for conducting more lecters than allotted load

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

Mr. S. B. Dhekale

(Name with Signature)