



- 1. Name of the Faculty:** Dr. Shamkumar Bhimrao Chavan
- 2. Qualification:** M.Tech, Ph.D. Electronics Engineering
- 3. Designation:** Assistant Professor , Program Coordinator, (**Employee code – 50247**)
B. Tech Electronics & Telecommunication Engineering Program
Department of Technology, Shivaji University, Kolhapur
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4. Educational Qualifications:

Sr. No.	Examination Passed	Subject with specialization	Year of Passing	Class obtained	Name & Address of the University awarding Certificate / Degree
1.	Ph.D.	Electronics Engineering	2018	-----	Shivaji University
2.	PG	Electronics Technology	2008	Distinction	Shivaji University
3.	UG	Electronics Engineering	2002	First Class	Shivaji University
4.	M.S.C.I.T.	Information Technology	2003	Distinction	M.K.C.L.

5. Work Experience:

1	Teaching Experience	17 Years
2	Industrial Experience	02 Years

6. Fellowships/Awards:

“Best Research Paper Award” in International Conference “Techno-Congress 2017” held at Pune

7. Patents Details

Sr. No.	Patent Title	Name of Applicant(s)	Award Date
1	Fault tolerant Full Bridge DC-DC converter for photovoltaic system	Shamkumar B. Chavan, Mahesh Chavan	Granted on 31/01/2023
2	Gate driver with power switch fault tolerance competence	Shamkumar B. Chavan, Mahesh Chavan	Result awaited

8. Details of Funding received / Projects executed:

Sr. No.	Title of Project	Funding agency	Duration (Year)	Cost Rs.	Status	Name of Principal Investigator
1	Implementation of centrally supervised multi-location air pollution monitoring system for investigation of pollution effect	Shivaji University	2022-24	180000/-	Sanctioned & in working state	Dr.S.B.Chavan
2	Implementation of efficient transformer less DC-DC converter for photovoltaic application	UGC	2013-15	100000/-	Completed	Dr.S.B.Chavan
3	Design and implementation of an efficient PSFB DC-DC converter for photovoltaic application	TEQIP-II	2014-16	130000/-	Completed	Dr.S.B.Chavan

9. Areas of consultancy and income generated:

Embedded systems, VLSI system design , Renewable energy systems, consultancy work done for Municipal Corporation, Kolhapur

10. No. of Ph.D./M.Phil./PG/UG students guided:

UG students- Over 100

PG students - 09

Ph.D. students – 04 vacancies

11. Publications:

A) Research papers published:

	International Journals	National Journals	International Conferences	Seminar proceeding etc.	Total
A) Published	32	---	11	---	43
B) In Press	---	---	---	---	---
C) Accepted for Publication	---	---	---	---	---
D) Communicated	---	---	---	---	---
TOTAL	32	---	11	---	43

i) Citation data

SCOPUS Report (Numbers Only)			Google Scholar Citation Report (Numbers only)				Researchgate.net Report
Pub.	Citations	<i>h</i> -index	Pub.	<i>h</i> -index	<i>i</i> 10-Index	Citations	Impact Points
07	19	03	32	6	10	137	16.7

12. NPTEL / SWAYAM examinations passed

Sr. No.	NPTEL / SWAYAM course passed	Semester	Grade obtained
1	Embedded systems Design	Jan- April 2020 12 week course	Successfully completed
2	Introduction to Smart Grid	Sept- Nov 2020 8 week course	Successfully completed
3	Introduction to Embedded systems Design	Sept- Dec 2020 12 week course	Elite
4	Fundamentals of Outcome based Curriculum in Engineering Education	Jan- June 2019	62 %
5	Student assessment and evaluation	Jan- June 2019	66 %

13. Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies

Sr. No.	Name of Workshop / Seminar/Conference	Place	Duration	Position
1	Avishkar 2022	R.C.S. College, Kolhapur	05/12/2022	Referee
2	FDP on Control Systems	Y.C. Satara	17/09/2022	Resource person
3	FDP on Advanced Digital System Design	Y.C. Satara	27/08/2021	Resource person
4	Journal of Shivaji University: Science & Technology	Shivaji University	2022-23	Reviewer
5	Journal of Shivaji University: Science & Technology	Shivaji University	2022-23	Section Editor
6	Avishkar Research Convention 2021-22	Shivaji University	11/02/2022	Judge
7	Monthely Innovation Challenge	Shivaji University	26/05/2022	Judge
8	MATLAB & SCILAB	Department of Mathematics	29/05/2022 to 09/06/2022	Resource person

		Shivaji University		
9	Eureka 2021	TKIET Warananagar	12/06/2021	Judge
10	Ph.D. Course work in Electronics Engineering	Department of Technology	30 th Dec 2020 to 6 th Jan 2021	Resource person
11	Ph.D. Course work in Electronics Science	Department of Technology	6 th January , 15 th & 16 th February 2021	Resource person
12	Avishkar Research Festival 2019	Solapur University	4 th , 5 th January 2020	Judge
13	Short term course on Scilab and MATLAB	Department of Mathematics, Shivaji University, Kolhapur	25/06/2018 to 30/06/2018	Resource person
14	National Science Exhibition	Jawahar Navodaya Vidyalay, Kagal	16/11/2018	Judge

14. Participation in Workshops/ Seminars/ staff development programmes

Sr. No.	Name of the Course/ Summer School	Place	Duration	Sponsoring Agency
1	Moodle Learning Management System	Online Spoken Tutorial	23/05/2022-28/05/2022	IIT Bombay
2	AICTE Examination reforms workshop	Chitkara University & AICTE	26/27/28 July 2022	
3	Internet of Things using Amazon AWS	Finland Labs	27 th December 2021 – 7 th January 2022	
4	Education 4.0	Modern Institute of Business studies, Pune	10 July – 14 July 2021	NIL
5	Industrial Training in Electronics & Communication Engineering	RTTC Pune	25/05/2020 to 19/06/2020	TEQIP
6	Image processing using Open CV python	Finland Labs	14/06/2021 to 18/06/2021	

7	UGC STRIDE online lecture series on Green Electronics	Department of Electronics	10/02/2021 to 14/02/2021	
8	Mentoring Pedagogy and Teaching for Higher Education	IIT Guwahati	03/08/2020 to 10/08/2020	
9	Analog IC Design using free software tools	IIT Hyderabad	02/10/2020 to 06/10/2020	
10	Green Entrepreneurship Development	NITTR Bhopal	09/07/2020	
11	ICT based new paradigms of E-teaching and E-learning: Digital Pedagogy	Mata Sundri College for Women, University of Delhi	15/09/2020 to 30/09/2020	
12	Electric vehicle design using MATLAB	pantech	29/03/2021 to 02/04/2021	
13	Internship on MATLAB	pantech	05/01/2021 to 04/02/2021	
14	Recent trends in VLSI devices / circuits and applications	MNIT Jaypur	01/10/2020 to 05/10/2020	
15	Introduction to research Methodologies	Department of Technology	25 June 2012 to 04 July 2012	IIT Bombay / MHRD (Ministry Human resource Development)
16	Writing effective Conference paper	KIT college of Engineering, Kolhapur	18 Feb. 2012 to 19 Feb. 2012	IIT Bombay / MHRD (Ministry Human resource Development)
17	Two week ISTE workshop on Computer programming	Department of Technology	19-24 May & 16-21 June 2014	IIT Bombay / MHRD (Ministry Human resource Development)
18	Control systems	Department of Technology	02-12 December 2014	IIT Kharagpur / MHRD (Ministry Human resource Development)

19	Digital control and Application	Department of Technology	13-17 December 2014	Prof. P.V.S Nataraj Prof. Ravi Gudi IIT Bombay (Organized by Department of Technology, Funded by TEQIP-II)
20	Computing techniques for solving engineering problems	Department of Technology	18-22 February 2015	Prof. P.V.S Nataraj Prof. Ravi Gudi IIT Bombay (Organized by Department of Technology, Funded by TEQIP-II)
21	Smart embedded VLSI system development and hand on training	Department of Technology	29 Sept. 2016 To 05 Oct. 2016	Organized by Department of Technology, Funded by TEQIP-II
22	Use of ICT in Education for online and Blended learning	KIT College of Engineering, Kolhapur	02 May 2016 To 10 July 2016	IIT Bombay
23	Technical communication for scientists and engineers	Online learning course	07 July 2016 to 15 Nov. 2016	IIT Bombay (Online course)
24	General Orientation Programme	Department of Technology	02 Dec. 2016 to 29 Dec. 2016	UGC Human Resource Development Centre, Savitribai Phule Pune University