



Rayat Shikshan Sanstha's
Yashavantrao Chavan Institute of Science, Satara (Autonomous)
Lead College of Karmaveer Bhaurao Patil University, Satara

Faculty Profile

❖ **General information**

Name : Mr. Sushant Ramchandra Pol
Designation : Assistant Professor
Department : Electronics
Educational Qualification : M.Sc., NET, SET, DESD
Date of Appointment : 17/02/2020
Teaching Experience : UG:10 years
PG: 04 years
Research Experience : NIL
Research Area : Embedded Systems, Robotics, IoT



❖ **Educational Qualification Details (undergraduate onwards)**

Sr. No.	College/University	Degree	Subjects	Year	Class/Percentage
1	SP College Lonand (Shivaji University, Kolhapur)	B.Sc.	Electronics	2009	First
2	KTHM College Nashik (SPPU Pune)	M.Sc.	Electronic Science	2011	First
3	C-DAC Hyderabad	PG-DESD	Embedded Systems	2012	Second
4	University Grants Commission	NET	Electronic Science	2013	Qualified
5	SPPU Pune	SET	Electronic Science	2104	Qualified

❖ **Academic and Administrative Responsibilities**

Sr. No.	Position	Organization	Date/Duration
1	Coordinator, B. Sc. Computer Science Department	Yashavantrao Chavan Institute of Science, Satara	04 September 2017 to 22 April 2019
2	Coordinator, M. Sc. Electronics	Yashavantrao Chavan Institute of Science, Satara	22 April 2019 to Till Date
3	Associate NCC Officer	Yashavantrao Chavan Institute of Science, Satara	27 October 2021 to Till Date
4	Station Manager, Rayatwani 90.8 MHz FM	Yashavantrao Chavan Institute of Science, Satara	04 January 2023 to Till Date

5	President, Institute Innovation Council	Yashavantrao Chavan Institute of Science, Satara	1 September 2021 to Till Date
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❖ **Awards/Honors/Recognitions/Scholarship etc.:**

Sr. No.	Name of the award/honor/recognition	Awarding Organization	Date and year
1	Best Teacher Award	Yashavantrao Chavan Institute of Science, Satara	14 February 2020

❖ **Membership to Professional Organizations/Associations:**

Sr. No.	Membership type (Annual/Life/any other)	Organization/Association	Date and year
1	Life Member	Society for Promotion of Excellence in Electronics Discipline	Since 2016

❖ **Worked as Editor/Reviewer to Journals/Books/Proceedings etc.**

Sr. No.	Name of the Journal/Book/Proceedings	ISSN/ISBN No.	Assignment (Editor/Reviewer)	Publisher	Publication year
1	PROCEEDINGS "Modern Approach for Green Electronics and Computing	978-81-928732-2-0.	Editor	YCIS Satara	29 – 30 September 2014
2	SOUVENIR National Conference on "Innovative Trends in Electronics and Allied Technology	NIL	Editor	YCIS, Satara	23 February 2017
3	SOUVENIR International Conference on Emerging Trends and Challenges in Electronics and Computing	NIL	Editor	YCIS, Satara	4 - 6 March 2021

❖ **Research Projects (Ongoing/Completed)**

Sr. No.	Title of Project	Duration	Amount Sanctioned (in Lakhs)	Agency	Status (Ongoing/Completed)
Minor Research Project					
1	Implementation of a Versatile CNC Plotter	6 Months	12350	Institute Seed Money	Completed
2	Internet of Things (IoT) Based Portable Biometric Attendance System	2 Years	40000	Institute Seed Money	Completed
3	Development of Smart Agricultural Robots	2 Years	150000	RUSA In House Project	Completed

				Scheme	
4	Designing of Crop harvesting phase monitoring system to check effects of climate changes	2 Year	130000	Shivaji University Kolhapur, under Research Initiation Scheme	Ongoing

❖ **Research Guidance: NA**

- Number of students (M.Phil) 1) Completed: 00 2) Registered: 00
- Number of students (Ph.D.) 1) Completed: 00 2) Registered: 00

❖ **Details of Research Publications**

A) Patent

Sr. No.	Title	Patent No.	Indian/US/ Any other	Granting date
1	Innovative Harvesting Tool	202021006404	Indian	Filed
2	A FILAMENT MONITORING SYSTEM FOR A 3D PRINTING MACHINE	202021054345	Indian	Filed

B) Books/Book Chapters NIL

C) Datasets Submission NIL

D) Research papers:

Sr. No	Title of paper	Journal/proceeding details. (Name, volume, page no, year of publication etc.)	ISSN No	Listed in Scopus/Web of Science/ UGC Care	Impact factor (If any)
1	Wavelet Transform Based Techniques for Fault Detection of Power Supply Unit	International Journal of Electronics Engineering (IJEE)	0973-7383	UGC Care	5.1
2	3d Printed Microfluidics for Agricultural Nutrient Detection And Its	Journal of Emerging Technologies and Innovative Research (JETIR)	2349-5162	Peer-Reviewed, Refereed, Open Access	7.95

Applications Towards Lab-On-Chip			& Indexed (UGC Approved Journal No - 63975)	
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E) Paper Presentation in Conference /Seminar/ Symposia:

Sr. No	Title of paper	Name of the Conference /Seminar/ Symposia Details (Title, Date, Page No etc.)	Level (Intl/Natl/State /Uni etc.)	Organizing institute
1	“A Design and Implementation of Temperature Monitoring System”	ICIASP-2013, Karad, ISBN 978-81-8487-359-7.	International	DACOE Karad
2	MATLAB Based LED Matrix Scrolling Display Powered by Solar Energy”	MAGEC-2014, Satara,978-81-928732-2-0.	National	YCIS, Satara
3	“Simulation Model for Wireless Sensor Network: A MATLAB Approach”	National Conference on Advances in Wireless Sensor Network and its Applications (NCAWSNA-2014)	National	SMM, Akluj
4	“Conducting Polymers and Applications in Organic Electronic Devices”	National Conference on & Innovative Trends in Electronics and Allied Technology (ITEAT-2017), February 2017	National	YCIS, Satara
5	“Internet of Things for Renewable Energy: Review”	International Conference on Recent Advances in Renewable Energy and Hygiene Devices (RAREHD-2018)	International	YCIS, Satara.

6	Simulations of Various Memristors, Models, Characteristic and Its Potential Applications	International Conference on Emerging Trends and Challenges in Electronics and Computing	International	YCIS, Satara
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F) Citation Index

	Google Scholar	Scopus	Web of Science
Citations	3		
h-index	1		
i10-index	0		

❖ Participation in Orientation/Refresher/FDP/Short Term/Training Programs:

Sr No	Name of the programme	Organizing institute	Date
1	Two Week Online Workshop on Comprehensive e-Learning to e-Training guide for Administrative Work"	Ramanujan College, Delhi University	May 25 - June 05, 2020.
2	Two Weeks Faculty Development Programme on MANAGING ONLINE CLASSES and CO-CREATING MOOCS	Ramanujan College, Delhi University	April 20 - May 06, 2020.
3	4-Week Induction/Orientation Programme for Faculty in Universities/Colleges/Institutes of Higher Education"	Ramanujan College, Delhi University	June 04 - July 01, 2020
4	One Week Faculty Development Programme on Open-Source Tools for Research	Ramanujan College, Delhi University	June 08 - June 14, 2020
5	One Week Online Faculty Development Program on, "E-Content Development for Teaching and Learning"	SGM College Karad	20/07/2020 to 25/07/2020,
6	One Week National Online Faculty Development Program on ICT Tools for Effective Teaching Learning	SRTMU Nanded	11th to 16th May 2020
7	FACULTY DEVELOPMENT PROGRAMME IN ENTREPRENEURSHIP,	Udyogwardhini Shikshan Sanstha, Nashik	17 th May 2021 – 31 st May 2021

	INNOVATION & INCUBATION		
8	21 Days online Industrial training on Artificial Intelligence and IoT	Institute for design of Electrical Measuring Instruments (MSME GoI)	April 19 – May 11, 2021
9	Innovation Ambassador training (Foundation Level)	MoEs Innovation cell and AICTE	Calendar year 2021-22
10	Innovation Ambassador training (Advanced Level)	MoEs Innovation cell and AICTE	Calendar year 2021-22
11	One Day Workshop for Teachers On “Thrust areas and skills in Research”	YCIS, Satara	2 March 2022
12	One Week National Workshop on “Embedded Systems for AI and Robotics”	VIT-AP University	05 to 11 January 2023
13	MS-DEED Level 1 In-person Workshop on Introduction to Innovative Pedagogies for Undergraduate Teachers	INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH AND MAHARASHTRA STATE FACULTY DEVELOPMENT ACADEMY	15th to 17th February 2023
14			

❖ **Participation in Conference/Seminar/Symposia/Workshop/Any other programs:**

Sr. No.	Name of the event	Organizing institute	Level (Intl/Natl/State/Uni/Local etc.)	Date
1	International E-Conference on Recent Trends in Fitness and Health	YCIS, Satara	International	29 – 30 October 2021
2	"International Symposium: Nanotechnology for healthcare: clinical and industrial perspectives"	Nuffield Department of Women's & Reproductive Health, Medical Sciences Division, UNIVERSITY OF OXFORD (UK)	International	10 June 2022
3	Sustainable Agriculture and smart technology (SAST – 2023)	YCSI, Satara	National	16 March 2023

❖ **Resource person in Conference/Seminar/Workshop/Any other programs:**

S. No.	Title of the event	Level (Intl/Natl/State/Uni./local etc.)	Organizer	Date
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1	Patent Drafting and Filing	University	Dr. Patangrao Kadam Mahavidyalay Ramanandnagar	17 February 2021
2	Communication Devices and Communication Techniques (Lecture Series)	University	DG College of Commerce Satara	27 and 28 March 2021

❖ **Chaired Sessions in Conference/Seminar/Workshop etc.: NIL**

Mr. Sushant R. Pol