

Name of Teaching Staff	:	Mrs. Subhasini Shukla	
Designation	:	Assistant Professor	
Department	:	Electronics & Computer Science	
Date of Joining the	:	10 th July 2023	
Institution	:	SJCEM	
Email ID	:	subhasinish@sjcem.edu.in	
Office Contact	:		
Qualifications With Class/Grade	:	M.E (EXTC), First Class ,Ph.D (EXTC) Pursuing	
Total Experience in years	:	12 yrs	
Area of Specialization	:	Signal Processing ,Artificial Intelligence ,Machine Learning	
Google Scholar Link	:	https://scholar.google.com/citations?user=lwI2M60AAAAJ&hl=en	
Vidhwaan Portal ID	:	ID -612146, https://vidwan.inflibnet.ac.in/myprofile	
ORCID	:	https://orcid.org/0000-0002-2373-4803	
Papers Published in Journal:	:	1. Subhasini Dwivedi, Shraddha Panbude,Rama Rao “A Review of Applications Based on NFC Technology : A Step towards Making Universal NFC Receiver Using Android Device”, International Journal of Engineering Research & Technology (IJERT),ISSN:2278- 0181,Volume 3,Issue 1,January 2014 2. Subhasini Dwivedi, Shraddha Panbude,Rama Rao “Universal NFC Receiver :An Introduction to Preparation of Several Modules”,International Conference, on Recent Advances and Challenges in Engineering and Management, at Vidyalkar Institute of Technology ,Wadala (Mumbai), Issue 1,April 2014. 3. Subhasini Dwivedi, Shraddha Panbude,Rama Rao “Secured Green Payments using NFC Device”, International Journal of Advanced Research in Computer Engineering & Technology),ISSN-2278-1323,Volume 3 Issue 11, November 2014. 4. Subhasini Dwivedi, Michael Fernandes,Rohit D'souza, “A Review on PLC based Automatic Waste Segregator”,International Journal of Advanced Research in Computer Engineering & Technology ,ISSN: 2278 – 1323. Volume 5, Issue 2, February 2016, 5. Mrs.Subhasini Shukla,Mr.Prashant Bajaj, “Design and Analysis of Agitator Blade of Pressure Vessel for Variable Loads”,International Journal of Engineering Research & Technology,Volume 08,Issue 4,ISSN-2278-0181,April 2019. 6. Subhasini Shukla , “Wearable and Implantable Devices Bridging Biomechanics and Surgical Technology” ,Journal of Neonatal Surgery ,E-ISSN 2226-0439 .Volume 14,Q3-Scopus Indexed ,January 2025,	

Papers Presented in Conferences	1. Subhasini Dwivedi, Jason D'souza "Prototype for Multiple applications using Near Field Communication (NFC) technology on Android device", International Conference on Advances in Computing, Communications and Informatics, Kochi, 978-1-4799-8792-4/15/\$31.00 c 2015 IEEE, August 2015. 2. Subhasini Shukla, Rohan Kasar ,Manasi Mali,Priyanka Gharat, "Prototype of Multilevel Car Parking using PLC" ,Proceeding in WRFER INTERNATIONAL CONFERENCE, Pune ,held on 7th May 2017 3. Subhasini Shukla,Akash Patil, Brightson Selvin "A Step towards Smart Ration Card System using RFID & IOT", International Conference on Smart City and Emergency Technologies(ICSCET) on 5th January 2018 at Universal College of Engineering. 4. Akash Patil,Subhasini Shukla,Anurag Gaonkar,Ashutosh Yadav, "Cloud based Smart Ration Card System using RFID" , International Journal(ACST) at the International Conference (ICAST-2018) organized by K.J.Somaiya Institute of Engineering and Information Technology, Sion,Mumbai on 6th-7th April 2018. 5. Dr.Pandharinath Ghonge,Mrs.Subhasini Shukla presented paper on "Agriculture Product Categorization for Define Quality using Signal Processing" at the International Conference Multicon W-20,on 28th-29th April 2020 at Thakur College of Engineering,Kandivali 6. Kavan Vyas ,Subhasini Shukla ,Hanan D'souza ,Jaison Chacko ,Daniel D'souza ,Vivek Nanaware presented paper on " A Survey on Environment Monitoring using Sensor Networks" at 2020 IEEE International Conference for Innovation in Technology (INOCON) Technically Cosponsored by IEEE Bangalore Section on 6th - 8th November 2020. 7. Subhasini Shukla, Dr.Vaqar Ansari , "Adaptive Audio Error Concealment Leveraging BER and PSNR Variability" accepted for presentation in IndiaCom-2025, sponsored by IEEE Delhi Section will be held on 2nd -4th April 2025 at Bharti Vidyapeeth, New Delhi.	

Books Published/IPR/Patents	1. A text book on Quantum Computing Book, ISBN No. 978-93-48655-62-2, DOI-https://doi.org/10.5281/zenodo.14598123, published by RK Publications on 31st December 2024 ,Version 1 2. A text book on Basic Electrical and Electronics Engineering, ISBN No. 978-93-48655-52-3. Patents : 1. AI-Based Organic Waste Composter – Certified Design Registration from the Patent Office, Government of India. Design No. 418159-001, published on May 27, 2024. 2. Optimized Audio Error Concealment for Generalized G.723X Codec – Utility Patent, published on December 6, 2024, by Intellectual Property India. 3. AI- Based Device for Image Encryption and Decryption - Certified Design Registration from the Patent Office, Government of India. Design No-438370-001 published on 25th November 2024. 4. Patent Grant for for UK Design on 9th April 2025 ,Design Number -6431091 in Nano Robots for monitoring blood pressure.
Professional Memberships with ID	ISTE Lifetime Membership -LM 116540
Grants Fetched	
Technical/NPTEL certifications	• Completed successfully 12 Week online NPTEL Course on 'Basic Electrical Engineering' in Nov 2018 • Completed 12 weeks online NPTEL Course(1 and half FDP) on 'Op-Amp Practical Applications: Design, Simulation and Implementation' in Nov 2019 with Silver+ Elite Medal • Completed 12 weeks online NPTEL Course(1 and half FDP) on “Electronic Systems for Cancer Diagnosis” in Jan-April 2020 ,secured 99 % (Elite + Gold) Certificate. • Completed 08 weeks online NPTEL course(1 FDP) on Big Data Computing from August -October 2023 ,secured 95% (Elite + Gold) Certificate. • Completed 8 weeks online NPTEL course(1 FDP) on Machine Learning from January to April 2024 secured
Board of Studies member, BoE under any State/ Central University	

Institute/Department Responsibility handled:	1.Student Council Co-ordinator 2. Institute Cultural Co-ordinator 3.Academic Monitoring Incharge -2025 4. Handled for 2 yrs Student Induction Programme. 5. Institute Staff Grievance Committee Co-ordinator 6.BIS Club Member 7.NEP Implementation Memeber		
M.E./M.Tech/PhD Guide Give field & University	:	<u>Field:</u> <u>University:</u>	Ph.D Guide -Dr.Vaqar Anasari , St.Francis Institute of Technology ,Borivali ,University of Mumbai

PhDs/Projects Guided	:	<u>PhDs:</u>	-
		<u>Projects at Masters level:</u>	<u>Masters Level</u> 1.Alumni Data Visualizer 2. Face Mask Detection Using CNN 3. Vehicle Parking Booking System

Interaction with Professional Institutions	:	Guest Lectures:	✓ Conducted Expert Lecture on Mobile Communication for Second year diploma students at St.John Polytechnic on 3rd March 2016. ✓ Worked in an organizing committee for One day National Seminar on 'Recent Trends in VLSI' held on 6th May 2017 at t. John College of Engineering and Management, Palghar ✓ Attended one day Seminar on “Design Thinking and Patenting”organized by IQAC Cell of SJCEM,Palghar on 23rd May 2019. ✓ Organized a five-day webinar series on “Exploring Emerging Dimensions of Electronics” from June 05, 2020 to June 09, 2020. ✓ Organized One Week 2nd Anveshnam 2025-National Level Workshop on Research Writing with Advanced Techniques and Inter Collegiate Paper Presentation Competition at St. John College of Engineering & Management, Palghar from 10th February -15th February 2025 Other Achievements and Responsibilities: Institute Cultural Co-ordinator ,Academic Monitoring Incharge ,Handled Student Induction Program from 2023,2024.
Subjects Taught			✓ Basic Electrical & Electronics Engineering -12 yrs Experience ✓ Computer Networks ✓ Wireless Communication ✓ Optical Fiber Networks ✓ Python Programming ✓ Mobile Computing ✓ Artificial Intelligence ✓ IOT ✓ C, C++ ✓ Software Architecture & Design Patterns

