Name of Teaching Staff	:	Dr. Sunny B. Sall
Designation	:	Assistant Professor
Department	:	Computer Engineering
Date of Joining the Institution	:	24-06-2019
Email ID	:	sunnys@sjcem.edu.in
Office Contact	:	02525297275

Photo Passport Size

Qualifications With Class/Grade	:	B.E. (Computer) First Class, M.E. (Computer) First Class, Ph.D. (IT)
Total Experience in years	:	20 Years
Area of Specialization	:	Security Internet of Things Wireless Communication and Ad-hoc Networks Artificial Intelligence & Machine Learning Computer Programming
Google Scholar Link	:	[Sunny Bhavan Sall - Google Scholar](#)
Vidhwaan Portal ID	:	https://vidwan.inflibnet.ac.in/profile/560264
ORCID	:	0000-0002-8955-4952
Papers Published in Journal:	:	1) Hybrid Machine Learning and Deep Learning Approach for Heart Attack Prediction Using Clinical, Lifestyle, and Time-Series Data with Enhanced Feature Selection and Classification 2) Automated Hybrid Feature Extraction for White Blood Cells Classification Using Radiomics and Graph Neural Networks (GNN) 3) Leveraging Machine Learning to Enhance Public Health Outcomes: A Comprehensive Approach to Disease Prediction, Prevention and Management 4) Dynamic Algorithm Selection for Replication using RSYNC 5) Bridging the Gaps in AI-Driven Healthcare: Enhancing Interpretability, Affordability, and Security for Scalable Patient-Centered Solutions 6) Exploration of OpenCV for Hand Gesture Recognition Techniques - A Review 7) Elucidating Mechanisms of Gut Microbiota Influence on Mental Health: Bridging Animal Models to Human Clinical Trials for Effective Microbiota-Targeted Therapies 8) Machine Learning Prediction Techniques for Student Placement/Job Role Predictions 9) AgroScan: Crop Identification Application using AI 10) Autovista: AI for Personalized Automobile Recommendation & Predictive Maintenance 11) Voice-Based E-Mail System for Visually Impaired People 12) Obstacles to the Full Realization and Adoption of Artificial Intelligence (AI)

		13) Development of Advanced Bioinformatics Tools for Integrating Genomic Data and Enhancing Diagnosis of Rare Diseases
		14) TherapEase: Conversational Chat-bot for Mental Health
		15) Uprising Smart Technology Based Solutions: Food Safety and Traceability in the Cold Supply Chain through Digital Technologies
		16) Detection & Prevention of Credit Card Fraud using Emerging Techniques of Blockchain & Machine Learning
		17) Lightweight Cryptography Using Pairwise Key Generation and Malicious Node Detection in Large Wireless Sensor Network
		18) Handling Large-Scale Document Collections using Information Retrieval in the Age of Big Data
		19) Exploring Sentiment Analysis in Social Media: A Natural Language Processing Case Study
		20) Novel Approach for Service and Channel Selection with QoS Parameters using Optimization Techniques in Large Networking Environment
		21) Optimization Based Path Finding Techniques Using Genetic Algorithm in Large Wireless Sensor Network
		22) Energy Efficient Approaches for Dynamic Cluster Head Selection Using Optimized Genetic Algorithm in Cluster Networks of WSN
		23) Broadcast Tree Construction for Shortest Path finding techniques in WSN IEEE 802.11n
		24) Secure Data Aggregation and Data Transmission Using HMAC Protocol in Cluster Base Wireless Sensor Network
		25) R. Yadav, S. Sall, "Traffic Rules Violation System using NFC Card, International Research Journal of Engineering and Technology, Apr.- 2018
		26) S. Sall , "E- Food-court Android Application for Ordering Food at a Mall's Food Court" International Journal for Technological Research in Engineering, Vol. 3, Issue 7, Mar- 2016
		27) S. Sall , "Association Classifier for predictive analysis in health care mining" International Journal of Recent Trends in Engineering & Research Vol. 2, Issue 3, Mar- 2016
		28) P. Sonar, S. More, S. Yadav, S. Sall , "Sales and Inventory Prediction Using Data Mining" International Journal for Technological Research in Engineering, Vol. 3, Issue 7, Mar- 2016
		29) S. Sall , "Research on Simulation of Banking System for Measuring the productivity of the Resources involved within the System" International Journal of Research in Engineering and Technology, Vol. 4, Issue 10, Oct- 2015
		30) S. Sall, R. Sharma , "Implementation of Example Based Machine Translation Using Natural Language Processing" IJERT, Aug- 2014
		31) S. Sall, R. Sharma, R. R. Sedamkar, "Example Based Machine Translation Using Natural Language Processing" IJSER, Mar- 2013
Papers Presented in Conferences	:	1) S. Sall, A. Yadav, "IoT based Weather Station" International Conference on Intelligent Systems and Communication Networks, (Multicon- W) Feb- 2019
		2) S. Sall, M. Rana, P. Wagela, V. Rane, "Intelligent Media System Design" International Conference & Workshop on Advanced Computing, Feb- 2013
		3) S. Sall, M. Rana, P. Wagela, V. Rane, "Design of Human Computer Interaction Using Natural Language Processing" International Conference & Workshop on Advanced Computing, Feb- 2013

		4) S. Sall, M. Rana, P. Wagela, V. Rane, "Intelligent Robotics Mechanism Design" International Conference & Workshop on Advanced Computing, Feb- 2013 **5)** S. Sall, M. Rana, "an Illustration of Chinese Remainder Theorem " International Conference & Workshop on Emerging Trends in Technology, Feb- 2012
Books Published/IPR/Patents	:	Patents: 1) A Unique Algorithm for Context-Aware Language Translation 2) Deep Neural Network Based Offloading of Video Surveillance IOT Applications in Cloud Computing 3) Adaptive Energy Harvesting Device with Dynamic Source Switching Capability Book Chapters: 4) "Secure Data aggregation and data Transmission using HMAC Protocol in Cluster base Wireless Sensor Network" Intelligent Computing and Networking, Springer, Nov- 2020 Copyrights: 5) Online Fraud Detection
Professional Memberships with ID	:	Lifetime Membership of ISTE (LM 74214) , 2010
Grants Fetched	:	AICTE IDEA LAB (Rupees 90 Lakhs)
Technical/NPTEL certifications	:	Problem Solving Using Programming in C

Board of Studies member, BoE under any State/ Central University	:	BOS Chairman of Computer Science and Engineering (Data Science), St. John College of Engineering and Management, Palghar BOS member of Computer Engineering, St. John College of Engineering and Management, Palghar
Institute/Department Responsibility handled	:	Head of the Department of Computer Engineering AICTE IDEA LAB Coordinator at SJCEM E Club in-charge of SJTC E Cell in-charge at SJCEM IIC in-charge at SJCEM NSS PO at SJCEM Exam Coordinator of Computer Engineering at SJCEM Time table In-charge of Computer Engineering at SJCEM Training and Placement co-coordinator of Computer Engineering at SJCEM
M.E./M.Tech/PhD Guide? Give field & University	:	Field: University:	Computer Engineering, University of Mumbai

| PhDs/Projects Guided | : | Masters | 1) Automated Hybrid Feature Extraction for White Blood Cells Classification Using Radiomics and Graph Neural Networks (GNN) |
| | | | 2) Dynamic Algorithm Selection for Replication using RSYNC |

Interaction with Professional Institutions	:	Guest Lectures:
		1) Guest lecture on Design Thinking at Kashi Institute of Technology, Varanasi
		2) Guest lecture on NEP 2020 at Kashi Institute of Technology, Varanasi
		3) Guest lecture on Advanced Microprocessors at Viva Institute of Technology, Virar
Subjects Taught		1) Data Structure
		2) Analysis of Algorithm
		3) Microprocessor and Computer architecture
		4) Systems Programming and Compiler Construction
		5) Data Warehousing and Mining
		6) Machine Vision
		7) Advanced Computer Networks and Design
		8) Cloud Computing and Services
		9) Digital Signals and Image Processing
		10) Software Engineering
		11) Computer Networks
		12) Ad-hoc Wireless Networks
		13) Object Oriented Programming with Java
		14) Programming in C++/ Java
		15) Skill Based Lab