

RESUME

PRAJAKTA SANTOSH RANE

M.E. (EXTC)

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Career Objective: To pursue a challenging career and be part of a progressive organization that gives scope to enhance my knowledge, skills and to reach the pinnacle in the computing and research field with sheer determination, dedication and hard work.

Work Experience:

- I am working as an assistant professor in the Department of Computer Science Engineering at SSPM's College of Engineering Kankvali from 01-07-2004.
- 4.5 years of work experience as a Call Co-Ordinator and Inhouse maintenance Engineer in LOTUS COMPUTERS, SANGLI from 01-10-1999 to 30-06-2004.

Contribution in SSPMCOE:

- SSPM Experience: Total 20 Years (UGC Approved Experience: 18 Years, Ad Hoc :2 Years)
HoD CSE AIML July 2025-July 2026
- Examination Head Since 18th Nov 2019 till 1st July 2023, handling responsibilities including examination conduction, pre and post-examination work, communication with Mumbai University, etc.
- Techfest Virtuosic: 2015 Evolution Incharge, 2014 STTP on Android Development, Co-Ordinator for 2021 ISTE approved STTP "DEEPAK" Deep Learning with Keras
- NAAC Accreditation Contribution: The Institute got a B+ Grade in 2019, Criterion III In charge (Teaching Learning) (350 Marks out of 1000 weightage)
- WDC (Women Development Cell) President For the last 12 years
- Technical Festival EVOLUITON: 2010 Co-Ordinator, 2011 Convener
- Kshitij (Cultural event): Last 19 years working in charge of Several Committees, Event Incharge 2019, Co Incharge 2018

- Admission Cell: PPT preparation, Campaigning in villages Kasarde, Jambhavade, Phonda etc, Average five Students Admission in every year
- Lab charge for Last 19 years
- Lab and Practical setup for Hardware Lab in Comp Dept.
- Major contribution to result improvement for the subject ECCF (III sem COMP)
- NBA Co-Ordinator
- University Examination Duties: University Paper Setter, Chief Conductor, Senior supervisor, Junior Supervisor, Examination Controller (18th Nov 2019 to 1st Nov 2023) , Department Examination Co-Ordinator for year 2013-14
- Sports: Committee Incharge every year

Extra Co-curricular Activities:

1. 1-week online ISTE approved STTP on “Introduction to DevOps” (“AAI”) 12th Dec to 16th Dec 2023
2. 1-week online ISTE approved STTP on “Advanced applications in IoT” (“AAI”) 13th Dec to 17th Dec 2022
3. 1-week online ISTE approved STTP on “Deep Learning with KERAS” 10th Jan to 14th Jan 2022
4. 3 Days Online Faculty Training Program on “Artificial Intelligence in Telecommunication” organized by FAMT Ratnagiri on 28th to 30th Jun 2021
5. 4 Days AICTE organized an online course on “Examination Reforms” from 29th Apr. to 2nd May 2020
6. 5 Days STTP organized by RAIT Nerul Mumbai on “Internet of Things (IOT) & its Applications in Industry” from 8th Jun to 12th Jun 2020
7. Webinar on “Application of Statistics to Artificial Intelligence” organized by DBIT Bangaluru 18th Jun 2020
8. 1-week STTP on “Personality Development with Yoga” organized by Sanjay Bhokare Group of Institutes, Miraj approved by Yog Vidya Gurukul Nasik from 21st Jun to 28th Jun 2020.
9. 1-week online workshop in “Universal Human Values” organized by AICTE New Delhi from 13th May to 17th May 2020
10. One Day Entrepreneurship Awareness Program organized by Ministry of MSME, Govt. of India on 18th Feb 2022.
11. 5 Days ISTE Approved STTP on “DEEPAK: Deep Learning with Keras” 10th Jan 2022 to 14th Jan 2022
12. Attended three days of training on “MATLAB Fundamentals and Simulink” Conducted by MathWorks from 7th Nov 2013 to 9th Nov 2013

13. Attended five days ISTE approved workshop on “Mobile Ad hoc Networks & Simulation” Conducted by the Computer Engineering Department, SSPM COE, Kankvali during 9th Jan 2012 to 13th Jan 2012
14. Attended five days workshop on "SCILAB" Conducted by Computer Engineering Department, Sinhgad College Of Engineering, Pune from 3th Jan 2011 to 7th Jan 2011.
15. Attended five days of approved workshop on “Python Programming And Web Application Framework (PYLONS)” Conducted by Computer Engineering Department, SSPMCOE, Kankvali during 27th Dec 2010 to 31st Dec 2010.
16. Attended five days of approved workshop on “Application of MATLAB in Communication Engineering” Conducted by Electronics and Comm Engineering Department, SSPM COE, Kankvali during 28th Dec 2009 to 1st Jan 2010.
17. Attended five days ISTE approved workshop on “GNU/ Linux awareness and programming tools” Conducted by Computer Engineering Department, SSPM COE, Kankvali from 21st Dec 2009 to 26th Dec 2009.
18. Attended five days workshop on “MATLAB Programming” Conducted by Department of Electronics Engineering, D.Y. Patil College of Engineering & Technology Kolhapur from 15th Aug 2009 to 19th Aug 2009.
19. Attended five days’ workshop on “MISSION 10X” Conducted by WIPRO from 25th May 2009 to 29th May 2009.
20. Attended two days’ workshop on “Object oriented analysis and design using UML with fundamentals of Rational Rose” Conducted by IBM from 29th May 2008 to 30th May 2008

List Of Publications

- [1] " Multiple Routing Algorithm for Wireless Ad Hoc Network ", **International Conference** on Advances In Computer Science & Electronics Engineering ICACSEE’12 at New Delhi, Feb., 2012
- [2] " Multiple Routing Algorithm for Wireless Ad Hoc Network ", **International Journal** of Advance Research in Science & engineering IJARSE Volume 2 Issue 9, September 2013
- [3] " A New on Demand multi-path routing algorithm for wireless ad hoc network" , **International Journal** of Research in Advent Technology (IJRAT) Volume 1, No.3, October 2013.
- [4] " On Demand Multipath routing algorithm for ad hoc wireless network" , **International**

Journal of Advances Computer Research (IJACR) Volume - 4, No.-1, Issue – 14 March 2014.

[5] “Improving performance of LTE control plane” **ISTJ UGC Approved Journal Serial No64502** Volume 7 Issue 2 February 2018

[6] “Library Management System using Android” **IJCSE Journal** Vol 8 Issue 4 Apr 2020

[7] “Marketing on Health Insurance Policies Using E-Commerce “ **Journal of Emerging Technologies and Innovative Research (JETIR)** (Journal No:63975) Impact factor 7.95 Volume 8, Issue 5, May 2021.

[8] “MACHINE LEARNING-DRIVEN HAEMATOLOGICAL FEATURE ANALYSIS FOR EARLY DIAGNOSIS AND SEVERITY STRATIFICATION OF DENGUE” [IET Conference Proceedings Volume 2025, Issue 43 https://doi.org/10.1049/icp.2025.473](https://doi.org/10.1049/icp.2025.473)

[9] “Development Of Optimized Machine Learning Model For Prediction Of Dengue Using Clinical Markers” poster category at ICHTR 2024, organized by MAHE-SRF held at Kasturba Medical College, Mangalore, MAHE, India on 18th & 19th December 2024

Projects & Work Done:

1. M.E. Project : “MULTIPLE ROUTING ALGORITHM FOR WIRELESS AD HOC NETWORK”

Tools & languages Used: NS2 , C++

This proposed routing protocol, SMSR, is an improvement over DSR with multiple paths. The proposed protocol was analyzed for parameters such as PDR, E2E delay, and average delivery ratio and proved efficient over DSR.

2. Worked as a Call coordinator and in-house maintenance engineer in LOTUS COMPUTERS SANGLI .

Responsibility: It involves basically telephonic assistant for pin the hardware problem related to the desktop, networking, peripherals etc. Also maintaining minimum inventory level for maintenance stock. Call co-ordinate for companies like EPSON, HP, APC. Also actively participated in the ISO 9002 certification for the company in 2002.

Personal Profile:

- Self-learner and effective team player
 - Problem solving capabilities and ability to respond positively to varied situation
 - Ability to work as team as well as individual
 - Excellent control over the class as a teacher
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- Maintaining discipline in class as well as department
- Interested in helping students and faculties

Academic Profile:

Examination Passed	University/Board	Year	% Marks Obtained	Class
Ph.D. Perusing	MIT Manipal	Admitted on Jan 2024	-	-
M.E. (Electronics & Communication)	Shivaji University, Kolhapur.	January 2014	75.33%	First Class with Distinction
B.E. (Electronics)	Shivaji University, Kolhapur.	May 1999	64.4%	First Class
HSC	Kolhapur Divisional Board, Kolhapur	March 1995	78.5% aggregate 87.66% PCM	First Class with Distinction
SSC	Kolhapur Divisional Board, Kolhapur	March 1993	90.56% 25th Rank in Board	First Class with Distinction

Technical Skills:

Programming languages: C, C++ python

Operating System: Windows, Linux

Tools: VMware, NS2.

Field of Interest: Machine Learning, Deep Learning, AI, NLP

Subjects Taught:

Multimedia Systems and Design
 Electronics Circuits and Communication Fundamentals
 Advanced Computer Network
 Computer Organization and Architecture
 Computer Communication Network

Microprocessor
Advanced Microprocessor
System Programming
Principles of Control Systems
Television and Video Engineering
Digital Logic Design
Computer Graphics
Operating System
Distributed Computing
Computer Networks
Computer Graphics

Personal Profile:

Name : PRAJAKTA SANTOSH RANE
Gender : Female
Date of birth : 22nd May 1978
Marital status : Married
Nationality : Indian
Linguistic Ability: English, Hindi, Marathi
Present Address : F3, Swarup Apartment,
Kalmath, Kankvali,
Dist Sindhudurg –
416602.Maharashtra.
Personal Strength : Leadership skills, Self-confidence, Optimism and Hard working.

Declaration: I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

PRAJAKTA SANTOSH RANE