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## SUDARSHAN SIRSAT

### Professional Synopsis

- Submitted PhD Thesis at Swami Ramanand Teerth Marathwada University Nanded in the month of August 2024
- Qualified MH SET 2024 in computer Science and Application
- **Qualified NTA NET DEC 2020 in Computer Science and Application**
- **Approved by University of Mumbai as Assistant Professor** with effect from **01/02/2013**
- Currently working as approved Assistant Professor at **K J Somaiya Institute of Management Studies since January 2018.**
- Worked as Assistant Professor for MCA (Masters of computer Application) with Thakur Institute of Management Studies and Career Development Research (TIMSCDR) from 2<sup>nd</sup> July 2012 till 17 January 2018.
- A competent professional with more than **One and Half years'** experience with ABM Knowledgeware LTD in Software Design and Development.
- **Seven months** post graduate level lectureship experience at Late Bhausaheb Hiray College affiliated to University of Mumbai
- **Best research paper award at K J Somaiya Institute of management, international conference SICTIM'21, SICTIM'22 and SICTIM'23**
- **Best research paper award at Institute of Management Technology, ICSMS'21 Nagpur**
- **Academic Excellence Award, Sustainable Waste Management Conference: IconSMAW 2023**
- Intend to build a career with leading organization with committed and dedicated people, which will help me to explore myself fully.
- Willing to work as a key player in challenging and creating environment.

- Reliable and Trustworthy
- Good Interpersonal Skills
- Organizational and Leadership skills
- Honest and Hard Working

- Excellent Attendance Record
- High Adaptability
- Personnel Development
- Can handle tasks Independently
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Designation – Assistant Professor  
 Work Experience – 18<sup>th</sup> January 2018 to till date  
 Organisation – *KJ Somaiya Institute of Management Studies, Vidyavihar(E), Mumbai*

Designation – Assistant Professor  
 Work Experience – 2<sup>nd</sup> July 2012 to 17<sup>th</sup> January 2018  
 Organisation – *Thakur Institute of Management Studies and Career Development and Research (TIMSCDR) Kandivli(E), Mumbai*

Designation – Java Developer  
 Work Experience - March'2011 to July 2012  
 Organisation - *ABM Knowledgeware Pvt.Ltd, Andheri(E)*

Designation – Lecturer  
 Work Experience – Aug 2010 to Mar 2011  
 Organisation – *Hiray Institute of Computer Application Bandra(E), Mumbai*

**1. Organization:**

*i) KJ Somaiya Institute of Management Studies.*

Work Experience: *Jan 2018 to currently working*

Designation: *Assistant professor.*

**Work Profile:** Delivered Lectures on the following subjects:

<i>Technical Subjects</i>	<i>Conceptual Subjects</i>	<i>Management Subjects</i>
<i>Mobile application development with android studio            Database Management System (DBMS)            R- programming            Web Technology (HTML, CSS, JavaScript, PHP)            Content Management System (WordPress, Joomla, Drupal)            Machine Learning, Natural Language Processing</i>	<i>Software Engineering            Software Testing            Database Applications            Spreadsheet Modeling</i>	<i>IT infrastructure and library (ITIL)            IT Quality Assurance and service assurance            Software Engineering            Enterprise Resource Planning            Software Project Management</i>

*ii) Thakur Institute of Management Studies, Carrier Development & Research (TIMSCDR)*

Work Experience: *July 2<sup>nd</sup> to Jan 18<sup>th</sup> 2018*

Designation: *Assistant Professor*

**Work Profile:** Lectures given on the following subjects:

- *Software Engineering*
- *Core & advance Java Programming*
- *Advance Java (Struts 2.0 , EJB 3.0)*
- *Communications and Soft Skills.*
- *Introduction to web technology (PHP)*
- *Unified Modelling Language (UML)*
- *Management of Information Systems*
- *Logistics and Supply Chain Management.*
- *Programming in C++ (OOPS)*
- *Operating System*

*iii) Hiray Institute of Computer Application.*

Work Experience: *August 2010 to March 2011*

Designation: *Lecturer.*

**Work Profile:** Lectures given on the following subjects:

- *Software Engineering*
- *Communications and Soft Skills.*
- *Logistics and Supply Chain Management.*
- *Programming in C++ (OOPS)*
- *Delivered Lectures to Distance (IDOL) Students of University of Mumbai.*

**2. Organisation:**

*ABM Knowledgeware Pvt. Ltd, Andheri (E), An ISO 9001:2000 Software & Services Company.*

Work Experience: *Mar 2011 – June 2012.*

Designation: *Java Developer.*

**Project Done:**

*i. Complaint and Redressal Multilingual (CARE)*

**Environment:** *Core Java, Servlet, JSP, Java Script, Tomcat 5.5, Oracle 9i*

- The ABM CARE™ (Complaints and Redressal System), is a system with universal appeal and utility.
- This is proven software, which helps any organization to monitor the status of complaints received by them as well as ensuring time bound Redressal of the same.
- It is most useful to all Government and semi Government organizations. It is also useful to all organizations, which have a large customer base.

- Keeping this in mind, ABM has designed the product to be platform independent. Since the product is developed in Java and JSP, it can be deployed on any platform such as NT, UNIX or Linux.
- It is an easy to use, but powerful tool for empowering each staff member as well as citizens Keeping a track of all the enhancements or updations in the modules and checking their functionality.

**ii. Enterprises Information Portal (EIP)**

**Environment:** Core Java, Servlet, JSP, Java Script, Tomcat 5.5, Oracle 9i

- EIP is the Enterprises Information Portal which provides whole information regarding to Municipal Corporation.
- It defines what that particular Municipal Corporation is and what is going in the Municipal Corporation. It also makes so many “online services” available to citizens of the Municipal Corporation such as Birth and Death Registration, Water Dues, Property Dues, Online complaint Lodge.
- It makes municipal corporations work totally transparent Checking if there are any defects, errors, or bugs in the modules.

**iii. Department of Urban Development (UDD) [udd.maharashtra.gov.in](http://udd.maharashtra.gov.in)**

**Environment:** Core Java, Servlet, JSP, Java Script, Ajax, Tomcat 5.5, Oracle 9i

- UDD is the Enterprises Information Portal which provides whole information regarding to Municipal Corporation which is specially developed for the *Mantralaya*
- It defines what that particular Municipal Corporation is and what is going in the Municipal Corporation. It also makes so many “online services” available to citizens of the Municipal Corporation such as Birth and Death Registration, Water Dues, Property Dues, Online complaint Lodge.
- It makes municipal corporations work totally transparent Checking if there are any defects, errors, or bugs in the modules.
- It centralized all the ULB’s (Urban Local Body’s) near 230 at single window called UDD

**3. Organization:**

**TATA INSTITUTE OF FUNDAMENTAL RESEARCH (TIFR)**

Duration: Dec 2009 to June 2010 (internship )

**Project: Web Content Management System (WMS)**

**Environment:** Linux Shell Scripting, PHP,HTML, JavaScript ,Ubuntu, Putty.exe, winSCP , PHPmyAdmin

- A system based content management system is implemented for creating and managing HTML content of the website.
- All web pages generated by the System strictly comply with W3C Strict HTML standards. CMS output is the set of fully built up core web site pages HTML/PHP for the TIFR Website.

CMS has the provision to revert back to previous working state to tackle situations like DOS attacks.

STANDARD	YEAR	SCHOOL OR COLLEGE	CLASS	Percentage
MH SET 2024 in Computer Science and application NET 2021 in computer science and application				

MH SET 2024 in computer science and application

MCA	May 2010	Mumbai university	First class	68.80%
T.Y.Bsc IT	June 2007	SRTMU University Nanded	Distinction	78.76%
H.S.C	Feb 2004	Aurangabad Board	Second class	57.67%
S.S.C	Mar 2002	Aurangabad Board	First class	66.66%

- **Operating Systems:** Linux, Ubuntu, windows.
- **Application Programs:** Internet applications, Proficient in MS-Word, MS-Excel, MS-PowerPoint 98, 2000, 2003, 2007 & 2010.
- **Languages Known:** C, C++, JAVA, PHP, ADVANCE JAVA, LINUX SHELL SCRIPTING, python, R- programming
- **JAVA Technologies:** Java Server Page (JSP), Servlets Specification, Java Data Base Connectivity (JDBC), Advance Java :Struts 2.0 basics , EJB 3.0 basics
- **Web Technologies:** HTML, JavaScript,PhP
- **Database Knowledge:** Oracle 9i/10g, MS SQL, MySQL
- **Server:** Tomcat 5.5/6.0., Oracle 9i & 10g Application server, glassfish.
- **IDE:** Eclipse, Edit Plus, Net Beans.
- **Others:** Attended training session from IBM on testing and received certificate for the same

**Conferences, Seminar and Workshop and FDP**

*Patents*

- *Indian design patent granted/ registered titled "Data science based for online shopping reviews and sentiments analysis" accepted published on 12th January 2024 with IPR Design No: 400032- 001*
- *Indian design patent granted and registered titled " IoT based blood pressure machine" accepted and published on 09/02/2024 with IPR design no: 402695-001*
- *Indian design patent granted and registered titled "AI powered standard attention span identification and smart attendance system" accepted and published on 02/08/2024 with IPR design no: 416417-001*
- *SMART CITIES, SMARTER FUTURES: EXPLORING THE ROLE OF IOT AND DATA ANALYTICS IN URBAN SUSTAINABILITY AND GOVERNANCE, Registration Number: L-151998/2024*

## Copyright

- *Recognizing Sentiments In Maharashtra Regional Language Text From Social Media Using Machine Learning Approach "*

## Research papers published

1. "Green technology for avoiding E-waste with the help of GIS" - P.Vasantdada Patil college of Engineering, Mumbai
2. "Green computing: a new awakening for campus" (Bhartiya vidyapeeth, Navi Mumbai)
3. Customer loyalty & Retention management through Natural Language Processing and Neuro Linguistic Programming–international conference ICAIM'2015– TIMSCDR  
**ISBN: 978-93-84144-93-7**
4. Security of Passenger Information on Running Train Using Smart Chip Over Chart in Indian Railways: published in (International Journal of Science & Research IJSR) **ISSN:2319-7064**
5. Study of Awareness and Use of Information Technology amongst Healthcare Practioners in Tertiary Healthcare Hospital in Metropolitan city ICAIM'2016– TIMSCDR ISBN: 978-0-9972694-0-6
6. Awareness of IT applications in Healthcare ICAIM'2016– TIMSCDR ISBN: 978-0-9972694-0-6
7. Customer product experience analysis using text mining: A Neuro linguistic programming approach – ICCMC July 2017, (IEEE) at Surya engineering college, Tamilnadu
8. Sentiment Analysis on Twitter Data for product evaluation, ISSN (e): 2250-3021, ISSN (p): 2278-8719
9. Loyalty prediction system for e-commerce using natural language processing and neuro linguistic approach ICNTET IEEE conference ISSN: 978-1-5386-5629-7
10. Digital Transformation at Regional Language Schools – A Study on State of Maharashtra (India)
11. Awareness of fake news presence on social media amongst Indian demographics, ICSMS'21, Institute of Management Technology, Nagpur
12. Testing Dilemmas during development and deployment of websites created using ready to use CMS framework, SICTIM'21
13. Recognizing Sentiments In Regional Language Text From Social Media Using Machine Learning Approach : the way ahead through cross domain applications (Working paper)
14. S. Sirsat and N. Zulpe, "Recognizing Sentiments In Regional Language Text From Social Media Using Machine Learning Approach: A comparative Study to understand the state of the art tools and associated functionalities available," 2023 International Conference on Advanced Computing Technologies and Applications (ICACTA), Mumbai, India, 2023, pp. 1-8, doi: 10.1109/ICACTA58201.2023.10393104. IEEE
15. Efficient Dataset Preparation Techniques for Regional/Marathi Language Analysis: Creating Customized Dataset for Regional Language/Marathi Language Text Analysis, 979-8-3503-3329-9/23/\$31.00 ©2023 IEEE
16. S. Sirsat and N. Zulpe, "Recognizing Sentiments of Maharashtra State Regional Language Marathi Text from Social Media Using Machine Learning techniques", Journal of Informatics Education

### Faculty Development Program

- Attended Faculty Development Program at V.E.S.I.T for Android, PHP.
- Attended all Faculty Development Programs organized by TIMSCDR
- Attended Credit Based Grading System program held by University of Mumbai at NMITD College
- Workshop and advance deep learning (One week) , Dec 2-6 2019, fr conceicao rodrigues college of engineering, Bandra Mumbai
- online FDP on data science (one week), 26-30 may 2020, fr conceicao rodrigues college of engineering, Bandra Mumbai

### NPTEL Courses

NOC Exam results						
	Timeline	Name	Course Name	Assignment score out of 25	Exam score out of 75	Final Score out of 100
✓	Jul-Aug 2019	SUDARSHAN SIRSAT	Patent Drafting for Beginners	20.58	34.5	55
✓	Jul-Sep 2019	SUDARSHAN SIRSAT	Introduction to Machine Learning	19.92	30	50
✓	Jan-Apr 2019	SUDARSHAN SIRSAT	Joy of computing using Python	25.00	57	82
✓	Jan-Feb 2019	SUDARSHAN SIRSAT	Effective Engineering Teaching In Practice	17.25	37.02	54
✓	Jan-Mar 2019	SUDARSHAN SIRSAT	Roadmap for patent creation	22.08	45	67
✓	Jul-Oct 2018	SUDARSHAN SIRSAT	Software testing	21.88	33	55

### Short Term Training Programs

- Attended two week ISTE (Indian Society for Technical Education) approved certified training program on “Big data, Hadoop, Pig script, Data Mining” at TIMSCDR Mumbai 5<sup>th</sup> may to 16<sup>th</sup> may 2015.
- Attended one week ISTE approved certified training program on Oracle10 database and data mining
- Attended one week ISTE approved certified training program on Internet of Things (IOT)
- Attended two week ISTE approved certified training program on D-link networking certification
- Attended two days ISTE approved certified training program on Android Development

- Currently handling and part of various departmental and institutional committees

**Sports committee - Chairperson**

**Induction Committee - Member**

**Center for Sustainable Development - Member**

**Organizing committee member: ICONSMW 2023**

**Core-organizing committee member: CSDC sustainable conference 2022**

**Convener: SICTIM'23 (first ever IEEE conference @ KJSIM)**

**Co- convener: SICTIM'22**

**Co-convener: SICTIM'20**

**Co-convener: SICTIM'19**

**Convener – ICON 2020**

**Convener – ICON 2021**

**Co-convener – ICON 2023**

**Organized Hackathons - Codicon 1.0,2.0,3.0,4.0 with General Mills**

### **Other Achievements**

- Best research paper award at ICAIM'2016– TIMSCDR ISBN: 978-0-9972694-0-6
- Organising committee member for **TechNextIndia 2013**, Annual conference of Computer Society of India.
- **Organized Trek to Kalasubai, lohagadh, Irshalgadh, and Tungareashwar** for various academic years
- Sports and cultural activity in charge at TIMSCDR (for year 2012 to 2017)
- Faculty Head of college TechFest **VISTA 2013** and **VISTA 2017** at TIMSCDR
- Organized social visit to Abundant life Ministries orphan age home Goregaon in 2013
- Organized social visit to “punarvas- a school for physically challenged students” at Goregaon, Mumbai
- Faculty Head of E-cell (Busines-Mela, E-week) for year 2013 at TIMSCDR
- **Faculty coordinator of Student Council** (for year 2012 to 2017)
- Organized Farewell, Alumni meet, sports day and cultural days ( for year 2012 to 2017)
- Worked in sponsorship team, Editorial team, publicity team, Reviewers team for National seminar held at TIMSCDR on 6<sup>th</sup> Oct 2012.



- Worked in sponsorship team, catering team, faculty head student volunteers for International Conferences at TIMSCDR from 2013 till 2017.
- Captain of Volley ball team and silver medal at “Tarash” intra college fest 2010.
- Gold medal Football at “Tarash” intra college fest 2010.
- Gold medal Cricket at “Tarash” intra college fest 2010.
- Silver medal Face painting competition at “Tarash” intra college fest 2009.
- Gold medal Cricket at “Tarash” intra college fest 2010.

**Date of Birth** : May 11, 1987

**Languages** : English, Marathi & Hindi

**Marital Status** : Married