Address 1:Seema K.Yadav
C/O Ramraj Yadav, Opp. Brk.680,
Central Hospital Area, Ulhasnagar-3,
Dist. Thane,421002, Maharashtra.
Mobile No: 8983287806
Email: syadav@somaiya.edu

Address 2: Seema K. Yadav
Shankar Heights, Phase –I ,
Flat No:104 A Wing,
 Behind Father Agnel
School, Khojgaon
Kunthavali, Ambarnath
(W),421501.

20 Years of Experience in *Academics / Teaching*

I. Objective:

To take challenging and high performance oriented role in the field of computer engineering and implement the expertise and experience gained in this field to develop complex project with efficiency and quality.

II. Achievement

A) Letter of Appreciation for Reviewer of paper in the track Artificial Intelligence and Machine Learning for ICCICT – 2021 organized by Sarder Patel Institute of Technology, Mumbai.
B) Letter of Appreciation for Reviewer of paper in the Asian Journal of Research in Computer Science.
C) Letter of Appreciation for involvement as volunteer in State and Regional level competition of IET- NICE (Nurturing Intelligence for Curious Engineers) for the year 2014-2015.
D) Letter of Appreciation for involvement as coordinator for One Day Drive on " Engineering Education" for junior college students.
E) Certified in Assessment and Workplace Training Challenger TAFE National Training Provider qualification certified and recognized within Australian Qualifications Framework.
F) Patent filed on "A Deep Learning Based Data Security System In IOT Network"
G) Letter of Appreciation for Judging "KJSIEIT-IET INTECH 2K22" National Level Project Competition.

III. Education

- **Ph.D (Computer Engineering) Pursuing from VJTI ,Matunga,Mumbai.**
- **ME (First Class), Computer Engineering**, **66%,** MGM, College of Engineering and Technology, Kamothe, Navi Mumbai, **Mumbai University, 2010**
- **BE (First Class with Distinction), Computer Science and Engineering**, **67%,** Shri Guru Gobind Singh **College of Engineering** and Technology, Vishnupuri, Nanded, **Dr. Babasaheb Ambedkar Marathwada Univrseity, 1997**

- **HSC (First Class) ,71%, Ordnance Factory Higher Secondary School Chanda.**
- **SSC (First Class), 74%, Ordnance Factory Higher Secondary School Chanda.**

IV. Core Strengths

- 20 years of strong experience in Teaching.
- Strong team player with remarking interpersonal skills
- Creative and resourceful thinking
- Exceptional problem-solving ability
- Ability to make quick and excellent decisions and organize thoughts in the face of time constraints and full workload.
- Determination and ability to learn fast.
- Enthusiastic about added responsibilities.
- Updating and gaining knowledge about tools and techniques to improve teaching learning process.
- Good leadership and organizing skill.

V. Area of Expertise

Operating Systems:	Linux, AND Windows 2003/2008, 2010, Ubuntu.
Languages:	Java, SQL, PL/SQL, C
JAVA	JDK 1.5/1.6/1.7
RDBMS:	Oracle, MSSQL Server
Scripting Languages:	HTML
Tools & Utilities:	Rational Suite

VI. PUBLICATION

A) Research articles published in referred journals

i. **"SMOTEHash Boost Ensemble Algorithm for Imbalanced Dataset Pattern Classification", Open Access IEEE Access, Vol 13,** April 2025, Digital Object Identifier 10.1109/ACCESS.2025.3555565.

ii. **"Learning from imbalanced data in classification",** International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-VIII, Issue-V, Jan. 2020.

iii. **"Educational Recommendation and Tracking System." ,** International Journal of Scientific & Engineering Research, Volume 7, Issue 11, November-2016 ISSN 2229-5518 (online).

iv. **"Information Retrieval from Image Databases",** International Journal of Research Scientific Research, Volume 8, Issue 1,pp.15279-15283, January,2017, ISSN:0976- 3031

v. **"Data Mining Using R For Criminal Detection"**, International Journal for Innovative Research in Science & Technology",Volume -3,Issue 09,Feb-2017,ISSN(online):2349-6010

vi. **"Personality Traits Detection Using RSTUDIO"**, International Journal of Recent Scientific Research", Vol-8,Issue-01,pp.15434-15438,January,2017.

vii. **"Statistical Analysis Using Data Mining".** International Journal of Recent Scientific Research,Vol-8,Issue,1,pp.15358-15360,January,2017.

viii. **"BI Portal for Healthcare Informatics"** International Journal of Novel Research In Computer Science And Software Engineering(2016) Vol-3 ISSN 2394-734(online)

ix. **"Restaurant Revenue Prediction and Recommendation System"** International Journal Of Recent and Innovation Trends in Computing and Communication (2016), Vol-4 ISSN:2321-8169 Impact Factor:5.837

x. **"Web Server Log Processing using Hadoop"** International Journal for Research in Engineering Application & Management (2016) Vol-1 Issue 10, January 2016, ISSN-2454-9150 Impact Factor:3.495 ISO 3297:2007 Certified Journal .

xi. **"Real-Time Attendance And Estimation Of Performance Using Business Intelligence"** IJRET: International Journal of Research in Engineering and Technology (2015) eISSN: 2319-1163 | pISSN: 2321-7308

B) **Research articles presented at International SEMINARS/ SYMPOSIA/ CONFERENCE and published in Proceedings**

i. Seema Yadav, G.P Bhole presented paper "Handling Imbalanced Dataset Classification in Machine Learning", IEEE PuneCon 2020, 3rd IEEE Pune Section International Conference, 16-18 Dec 2020, Jointly organized by Vishwakarma Institute of Technology, Pune.

ii. Seema Yadav, Sudhir Sawarkar presented paper "**Retrieval Of Information In Document Image Databases Using Partial Word Image Matching Technique"** : IEEE Xplore Conference: Advance Computing Conference, 2009. IACC 2009. IEEE International.

iii. Seema Yadav,Shefali Sharma,Rujutha Shetty,Bini Shah presented paper**,"Data Mining Using R for Criminal Detection",**International Conference of Emerging Trends in Electrical and Communication Technologies "ICETECT-17".

iv. Seema Yadav, Saurabh Jain, Priya Bhanushali, Tejindar Kaur presented paper, **"Word Matching and Retrieval from Images".**IEEE, International Conference on Electronics, Communication and Aerospace Technology(ICECA 2017), 20,21,22 April 2017

C) **Research articles presented at National SEMINARS/ SYMPOSIA/ CONFERENCE and published in Proceedings.**

i. Seema Yadav,Sujit Singh, Shashankit Thakur,Akshay Bora**,"Education Mentoring and Transformation System."** National Conference on Emerging Trends in Computer Engineering and Technology. (NCETCET'17) (2017)

ii. Seema Yadav,Saurabh Jain, Priya Bhanushali,Tejindar Kaur**,"Word Matching And Retrieval Of Images", 6+"** National Conference on Emerging Trends in Computer Engineering and Technology.(NCETCET'17)(2017)

iii. Seema Yadav,Shanauk Thakkar,Harsh Thakkar,Hiral Vyas, "**An Android Based Virtual Notice Board For Ease of Information Flow**," Proceedings of the National Conference on Advances in Engineering Technology and Applied Sciences(2015).

iv. Seema Yadav,Pallavi Shinde,Dyanada Shirshat,Manoj Pandita, "**Real Time Attendance System And Estimation of Performance Using Business Intelligence**," Proceedings of the National Conference on Advances in Engineering Technology and Applied Sciences(2015)

v. Seema Yadav,Abhishek Kawle,Rahat Kazi,Aman Oza,**"Text to Speech Web Plugin With Text Summarization"** Proceedings of the National Conference on New Horizons In IT(NCNHIT-13)"

vi. Seema Yadav, Vimal Chaubey, Rohit Chaudhary, Jitendra Agarwal, **"Authentication Scheme for session Password using color and image",** Proceedings of the National conference on'Signal Image Technology and Applied Communication Systems' (SITACS-2013) Pune.

vii. Seema Yadav, Sayli Patki, **"Web Application Testing Using Visual Models,"** Proceedings of the National Conference on Emerging Technologies & Applications in Engineering & Sciences(NCETAES-11),Navi Mumbai.

viii. Seema Yadav **"Information Privacy Conflicts in CRM Services for an Online Shops,"** Proceedings of the National Conference on National Level Conference on 'Network Infrastructure Management Systems'(Interface-2010) VJTI, Mumbai.

ix. Seema Yadav," **Retrieval of Information in Document Image Database Using Partial Word Image Matching Technique",** 2009 IEEE International Advance Computing Conference(IACC-2009) Patiala.

x. Seema Yadav," **Data Mining Based Intrusion Detection in Real Time Enviornment,"** Proceedings of the National Conference on Emerging Trends in Computers, Communication and Information Technology (2009), KJSCOE, Vidyavihar

D) *AICTE/ISTE/IIT/University approved Short Term Training Programs/ Courses attended till date.*

i. Attended Webinar on **"Achieving Problem-Solution Fit & Product-Market Fit", On 24 February 2022, Organized by Institution's Innovation Council, KJSIEIT, Sion.**

ii. Attended Workshop on **"Design Thinking, Critical Thinking and Innovation", On 25 February 2022, Organized by Institution's Innovation Council, KJSIEIT, Sion.**

iii. Attended Workshop on **"Agricultural Robots, drones & AI Technology and Trends", On 18 January 2022, Organized by National Innovation and Start up Policy (NISP) and Institution's Innovation Council(IIC), KJSIEIT, Sion.**

iv. Attended Workshop on **"Entrepreneurship Skill,Attitude and Behaviour Development", On 10 February 2022, Organized by Prathyusha Engineering College.**

v. Attended Faculty Development Programme (FDP) on **"Innovation and Entrepreneurship", On 10 December 2021 – 10 January 2022, Organized by Institution's Innovation Council, KJSIEIT, Sion.**

vi. Attended Seminar on **"Angel Investment / VC Funding Oppurtunity for Early Stage Entrepreneurs", On 28 July 2021, Organized by Institution's Innovation Council, KJSIEIT, Sion.**

vii. Attended Workshop on **"Design Thinking, Critical Thinking and Innovation", On 25 February 2022, Organized by Institution's Innovation Council, KJSIEIT, Sion.**

viii. Attended Webinar on **"Strengthening Your Understanding of Research Journals" , On 10 July 2021, Organized at K. J. Somaiya College of**

Science and Commerce in collaboration with **ELSEVIER.**

ix. Attended online program on **"Awareness on Current Trends – IOT/VLSI/RF "** , **On 26 June 2021, Organized by Department of Electronics and Telecommunications Engineering and Entuple Technologies Pvt. Ltd.**

x. Attended AICTE Sponsored One week Online Short Term Training on **"Blockchain & IT'S Applications (Phase – III) "** , **On 12 July 2021 – 17 July 2021, Organized at Vivekanand Education Society Institute of Technology.**

xi. Attended Expert Talk on **"Changing Stereotypical Gender Roles"** , **On 28 May 2021, Organized by Internal Quality Assurance Cell and Basic Science and Humanities Dept. at KJSIEIT, Sion**

xii. Attended Five days Online Workshop on **"Data Mining and its Applications", On 7 March 2021 – 11 March 2021, Organized by Department of Computer Science & Engineering and Information Technology, IIT Bhopal.**

xiii. Attended Expert Talk on **"Changing Dynamics of Education Post COVID era – Insights fro Chanakya's Teaching"** , **On 4 June 2021, Organized by KJSIEIT, Sion.**

xiv. Attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on **"Data Science with Statistical Methods using R Programming – Basic Course"** , **On 21 June 2021 – 25 June 2021, Organized at Amity University Uttar Pradesh ,Lucknow Campus.**

xv. Attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on **"Combating Cancer: Role of ML Techniques in Prevention and Treatment "** , **On 7 June 2021 – 11 June 2021, Organized at KIT- Kalaignarkarunanidhi Institute of Technology, Coimbatore.**

xvi. Attended Workshop on **"Problem Solving and Ideation Workshop"** , **On 30 December 2021, Organized by Department of Information Technology in association with Institution's Innovation Council, KJSIEIT, Sion.**

xvii. Attended One Week National Level One week FDP on **"Learn and Build an AI Application on Real Datasets"** , **On 22 Nov 2021 – 27 November 2021, Organized by Guru Gobind Singh Indraprastha University (GGSIPU) , New Delhi.**

xviii. Attended One Week MHRD ,New Delhi sponsored One week FDP on **"GIS, Geo Spatial Technologies and ICT"** , **On 27 Nov 2018 – 2 Dec 2018, Organized at Veermata Jijabai Technological Institute Matunga , Mumbai.**

xix. Attended One Week AICTE – QIP sponsored One week STTP on **"Spatial Data , Data Mining and Analytics"** , **On 26 March 2018 – 31 Dec 2018, Organized at Veermata Jijabai Technological Institute Matunga , Mumbai.**

xx. Attended One Week AICTE and ISTE approved STTP on **"Machine Learning", On 2 January 2018 – 6 January 2018, Organized by Department of Computer Engineering , Fr. C Rodrigues Institute of Technology, Mumbai.**

xxi. **Presented Paper in IEEE PuneCon 2020 conducted in Virtual mode on 16 December 2020 – 18 December 2020 , Organized by Vishwakarma Institute of Technology, Pune and IEEE Pune Section.**

xxii. Attended Seminar on **"National Education Policy (with a focus on Innovation and Entrepreneurship)", On 5 January 2021, Organized by Institution's Innovation Council, KJSIEIT, Sion.**

xxiii. Attended Webinar on **"Internet of Things" , On 9 June 2020, Organized by BPB Publication Asia's Largest Publisher of IT Books.**

xxiv. Attended One-day workshop on **"NPTEL Awareness", On 8 Jan 2016, Organized at KJSIEIT, Sion.**

xxv. Attended One Week Short Term Training Program on **"IOT: Applications and Developments", On 2 May 2016 to 7 May 2016, Organized at KJSIEIT, Sion.**

xxvi. Attended One Day National Symposium on **"Evangelizing Internet of Things", On 5 Oct 2015, Organized at KJSIEIT, Sion.**

xxvii. Attended One Week Short Term Training Program on **"NAAC –Process Criteria and Audit", On 25 April 2016 to 29 April 2016, Organized at KJSIEIT, Sion**

xxviii. Attended One Week Short Term Training Program on **"Recent Advances in Big Data Technologies and Applications", On 4 May 2015 to 8 May 2015, Organized at KJSIEIT, Sion**

xxix. Attended One Day Orientation Program on **"Data Mining and Business Intelligence", On 14 Jan 2015, Organized at Vivekanand Education Society, Institute of Technology, Chembur, Mumbai**

xxx. Attended One Week Short Term Training Program on **"Cloud Computing and Big Data Analytics", On 10 Nov 2014 to 14 Nov 2014, Organized at KJSIEIT, Sion**

xxxi. Attended Two week Short Term Training Program on "Research Methodology of PhD Aspirants", On 5 May 2014 to 16 May 2014,Organized at KJSIEIT, Sion

xxxii. Attended Two day Workshop on **"**Cloud Computing **", On 20 July 2012 to 21 July 2012,Organized at SIES ,Navi Mumbai**

xxxiii. Attended One day seminar and workshop on **"Web Technology and PHP,On 14 March 2011 Organized at KJSIEIT , Sion**

xxxiv. Attended One day Orientation Program on **"Information Storage Management and Disaster Recovery", On 22 Jan 2011, Organized at KJSIEIT, Sion**

xxxv. Attended One Week Short Term Training Program on "**Neural Network & Fuzzy System", On 4 Jan 2010 to 8 Jan 2010,Organized at KJSIEIT, Sion**

xxxvi. Attended One day Orientation Program on **"Data Warehousing and Mining", On 30 Jan 2010, Organized at KJSIEIT, Sion**

xxxvii. Attended Two days Workshop on **"Recent Trends in Object Oriented Software Engineering(OOSE)", On 18 Sep 2009 to 19 Sep 2009, Organized at Padmabhushan Vasantdada Patil Pratisthan's COE.**

xxxviii. **Attended One week Short Term Training Program on** "Effective Teaching-Approach and Methods", On 23 June 2008 to 27 June 2008, **Organized at KJSIEIT, Sion**

xxxix. Attended Two days Training Program on **"Data warehousing (Faculty Training Program) (two days)", On 1 Feb 2007 to 2 Feb 2007, Organized at Accenture.**

xl. Attended Three days Workshop on **"Data Warehousing and Mining:Analysis Method & Technology", On 8 Jan 2007 to 10 Jan 2007 ,Organized at Thakur College of Engineering & Technology.**

xli. Attended Two weeks Short Term Training Program on **"Open Source Software : Effective Way of Managing Engineering Education ", On15 May 2006 to 26 May 2006 ,Organized at KJCOE,Vidyavihar**

xlii. Attended Two weeks Short Term Training Program on **"Information and System Security: Today and Tommorrow", On 5 Dec 2005 to 16 Dec 2005, Organized at KJCOE,Vidyavihar**

xliii. Attended One day Seminar on **"Seminar on GNU/LINUX", On 13 Aug 2004, Organized at KJSIEIT , Sion**

xliv. Attended Two days Seminar cum Workshop on **"Mobile Cellular System and Wireless LAN", On 30 July 2004 to 31 July 2004, Organized at KJSIEIT , Sion**

xlv. Attended Two days Short Term Course on **"Data Mining and data Warehousing", On 16 Oct 2004 to 17 Oct 2004, Organized at SPCE, Andheri, Mumbai.**

VII. PROFESSIONAL ACTIVITIES and MEMBERSHIPS

➢ Working as **IQAC Member**.

➢ Worked as a **NAAC coordinator** in IT Department.

➢ Worked as **NBA Coordinator** in IT Department.

➢ Worked as a **DAB member.**

➢ Worked as a **DQC member**.

➢ Worked in **Direct Second Year Admission Committee.**

➢ Working as **Cultural Coordinator** since 5 yrs.

➢ Worked as a coordinator for **IET (Institution of Engineering and Technology) NICE (Nurturing Intelligence for Curious Engineers) State and Regional Level Competition since 3 yrs.**

➢ Working as a **Proctor in Department.**

➢ Working as a **Project Guide in Department.**

➢ Working as an **Internal Assessment coordinator in Department.**

➢ Worked as a **Student Welfare Committee Member.**

➢ Worked as an **Anti Ragging Committee Member.**

➢ Worked as a **Women's Grievance Cell Member.**

➢ Worked as **CAP/CAS Coordinator.**

➢ Worked as **InCharge HOD** for K J Somaiya Institute of Engineering & IT, Sion, Mumbai.

➢ Worked as a **Time Table coordinator**.

➢ Worked as a STTP coordinator **Network & Wireless Security.**

➢ Worked as member of **Audit Committee**

➢ Worked as a Workshop coordinator for **Cloud Computing and Big Data Analytics.**

➢ Worked as a coordinator for **One-day drive on Engineering Education.**

➢ Active Participation in Assessment, Moderation of papers and paper setting for the university exams.

VIII. TEACHING EXPERIENCE

A) Role   **: Asst. Professor**   **July-2004- Till Date**
Institute   **: K J Somaiya Institute of Engi & IT, Mumbai University**
Technologies   **: Oracle,** Java, XML, HTML, C, MYSQL, WEKA tool
Subjects   : Advanced Database and Information Retrieval, Big Data Analytics, Database Management System, Advanced Database Management System, Data Structure Algorithm and Analysis, Data Mining and Business Intelligence, Data warehouse and Mining, Computer Networks, OOAD, C++, JAVA, Automata Theory, Convergence Technologies and Networking in Communication, Networking Technologies and Digital Devices.
Responsibility :
- Teaching and mentoring students.
- Taking practical's with demonstration
- Paper Examiner, Moderator, Evaluator

B) Role   **: Lecturer**   **Feb-2004 – June 2004**
Institute   : K.J Somaiya College Of Engineering , Vidyavihar.
Technologies   : Java, C.
Subjects   : C++, Software Engineering, OOAD,COA.
Responsibility :
- o Teaching and mentoring students.
- o Taking practical's with demonstration

C) Role   **: Lecturer**   **Aug 2003- Feb 2004**
Institute   : Institute Of Technology, Ulhasnagar.
Subjects   : OOPS,VB
Responsibility :
- o Teaching and mentoring students
- o Taking practical's with demonstration

D) Role   **: Lecturer**   **July 2002- April 2003**
Institute   : Sadubella Girls College, Ulhasnagar.
Subjects   : Introduction to Computers and its Applications.
Responsibility :
- o Teaching and mentoring students
- o Taking practical's with demonstration

E) Role   **: Lecturer**   **Aug 2000- Dec 2000**
Institute   : G.H Raisoni College Of Engineering , Nagpur.
Subjects   : Computer Graphics for MCA 2hd Year Students.
Responsibility :
- o Teaching and mentoring students
- o Taking practical's with demonstration

F) Role   **: Lecturer**   **June 1998- April 2000**
Institute   : Laxminarayan Agrawal Institute Of Technology , Dhamangaon Rly.
Subjects   : Operating System, Database System, Computer Networks, Computer Graphics.
Responsibility :
- o Teaching and mentoring students
- o Taking practical's with demonstration

G) Role   **: Lecturer**   **June 1997- May 1998**
Institute   : Govt. Residential Women's Polytechnic College.Yavatmal

Subjects : Operating System, Database System, Computer Networks, Computer Graphics.
Responsibility :
- o Teaching and mentoring students
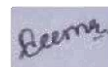- o Taking practical's with demonstration

IX. Any additional Information   :

i. Invited as Keynote Speaker Keynote Speaker for "National Level Webinar Series"conducted in online mode by, "Shri Kumarswamy Mahavidyalaya Ausa,Dist .Latur" on January 19, 2022.
ii. Organized Workshop ON " Databricks for Investigation and Innovation" on March 05,2022.
iii. Organized Expert Talk ON " Investigations for Developing Innovation" on May 08,2021.
iv. Organized IET NICE Regional and State Level Competition Since 2yrs ie (2014 & 15) .
v. Organized One Week STTP on 'Cloud Computing and BIG Data Analytics' from 10th Nov 2014 to 14th Nov 2014.
vi. Organized One Day Orientation Program on 'Data Warehousing and Business Intelligence'. On 23rd July 2010.
vii. Organized Workshop on LINUX with help from Spoken Tutorial Project, developed at IIT Bombay funded by NMEICT,MHRD, Govt. of India. on 23rd March 2012.
viii. Organized Workshop on PHP and MYSQL with help from spoken Tutorial Project, developed at IIT Bombay funded by NMEICT,MHRD, Govt. of India. on 14th March 2012.
ix. Organized Cultural Festival 'Surge' Since 2012.

X. PERSONAL DETAILS

Name	:	Seema Karamchand Yadav
Date of Birth	:	Sep 28, 1974
Nationality	:	Indian
Gender	:	Female
Languages Known	:	English, Hindi, and Marathi.
Hobbies	:	Travelling, Reading, Playing games .

Yours Faithfully

Mrs. Seema Karamchand Yadav