

CURRICULUM VITAE

Dr. (Mrs.) Sunita Ravindra Patil
Vice Principal,
Professor, Dept of Computer Engg.,
K J Somaiya IET, Sion, Mumbai-22.

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STRENGTHS

- Utilization of skills and abilities of academic and administrative experiences and exposure that offers professional growth while being resourceful, innovative and flexible.
- Confident Academician, Administrator and life time Learner.
- Interpersonal, communication, counseling and soft skills.
- Ready to accept, face and complete academic challenges, fostering engineering education looking at societal, national and international growth.

ACADEMIC PROFILE

Degree	Ph.D. (Computer Engineering)
Domain	Data Mining
Topic	Optimized Summarization of Research Papers Using Data Mining Strategies
Institution	Mukesh Patel School of Technology and Management Engineering, Vile Parle ,Mumbai
University	Narsee Monjee Institute of Management Studies, Mumbai
Year Of Award	2013-2014
Degree	Master of Engineering (M.E.)
Branch	Computer Engineering
Percentage	68.32%
Year Of Passing	Feb'2008
Institution	MGM College of Engineering, Panvel, Navi Mumbai
University	University of Mumbai, Mumbai
Degree	Bachelor of Engineering (B.E.)

Branch	Computer Engineering
Percentage	64.80%
Year Of Passing	Jun'2000
Institution	SST's COET, Bambhori, Jalgaon
University	North Maharashtra University, Jalgaon
Examination	Diploma in Computer Engineering (DCE)
Percentage	69.09%
Year Of Passing	Jun'1997
Institution	Government Polytechnic, Jalgaon
University	Maharashtra State- Board of Technical Education, Mumbai
Examination	Secondary School Certificate (SSC)
Percentage	85.71%
Year Of Passing	May' 1993
Institution	PNL, Kanya High School, Jalgaon
University	Maharashtra State Board, Pune.

WORK EXPERIENCE

1. **Teaching Total =21 yrs, Approved by University of Mumbai**
Vice Principal, From June 2016 till date.
K.J. Somaiya Institute of Engineering & Information Technology, Sion, Mumbai
2. **Incharge-Principal**
From Mar-May 2016
K.J. Somaiya Institute of Engineering & Information Technology, Sion, Mumbai
3. **Professor (Approved)**
From 9th January 2015
K.J. Somaiya Institute of Engineering & Information Technology, Sion, Mumbai
4. **Dean Academics**
From 9th January 2015-Jun' 2019
K.J. Somaiya Institute of Engineering & Information Technology, Sion, Mumbai
5. **Assistant Professor (On Scale of Associate Professor)**
From: 29th May 2012-8th Jan 2015 (2.7 years)
K.J. Somaiya Institute of Engineering & Information Technology, Sion, Mumbai
6. **Assistant Professor (Approved)**
From: 01st Apr 2008-28th May 2012(4 years)
K.J. Somaiya Institute of Engineering & Information Technology, Sion, Mumbai
7. **Lecturer (Approved)**
From: 17th Dec 2004-31st Mar 2008 (3.5 years)
K.J. Somaiya Institute of Engineering & Information Technology, Sion, Mumbai
8. **Lecturer (Approved)**
From: 01st Aug' 2002-16th Dec 2004(2.5 years)
Konkan Gyanpeeth College of Engineering, Karjat, Raigad
9. **Lecturer (Adhoc)**
From: 09th Sep 2001-31st July 2002(Approx. 1 years)

Konkan Gyanpeeth College of Engineering, Karjat, Raigad

10. Lecturer (Regular Basis)

From: 02nd Jan 2001-08th Sep 2001(8 months)

Mucchala Polytechnic, Ghodbandar, Thane.

11. Lecturer

From: 24th Jun 2000-01st Jan 2001(6 months)

R.N.Ruia Junior College, Matunga, Mumbai.

12. PhD & PG Approved Guide for Computer Engineering and Information Technology for University of Mumbai.

Guiding PhD & PG

- PhD Students under University of Mumbai
 1. Ms. Reena Lokare at PHOC Rasainy Research Center.
A.Y.- 2018-19
 2. Ms. Jyoti Wadmare at PHOC Rasainy Research Center.
A.Y.- 2018-19
 3. Ms. Smita Bhoir at KJSCOE, Vidyavihar Research Center.
A.Y.- 2018-19
 4. External Evaluator, RAIT, PHOC, UoM since 2018

- PG Students under University of Mumbai
 1. Ms. Sneha Chogale at YTCOE, Bhivpuri, Raigad
 2. Ms Sweta Shinde at YTCOE, Bhivpuri, Raigad
 3. Ms. Reema Roy at KJSIEIT Sion
 4. Mr. Prashant Nair at KJSIEIT Sion
 5. Mr. Ajay Rasave at KJSIEIT Sion
 6. Mr. Darshan Patil at KJSIEIT Sion

ADDITIONAL RESPONSIBILITIES, ROLES & ACHIEVEMENTS

SUBJECTS TAUGHT (PhD Level)

- 1) Research Methodology
- 2) Artificial Intelligence (AI),
- 3) Machine Learning (ML) & Deep Learning (DL)

SUBJECTS TAUGHT (Postgraduate Level)

- 1) Data Warehousing & Mining
- 2) Advanced Database Management Systems
- 3) Software Engineering
- 4) Parallel Processing
- 5) Artificial Intelligence (AI),
- 6) Machine Learning (ML) & Deep Learning (DL)
- 7) Research Methodology

SUBJECTS TAUGHT (Undergraduate Level)

- 1) Data Warehousing Mining & Business Intelligence
- 2) Data Warehousing & Mining
- 3) Database Management Systems
- 4) Advanced Database Management Systems
- 5) Research Methodology
- 6) Software Engineering
- 7) Object Oriented Analysis & Designing
- 8) Object Oriented Software Engineering
- 9) Structured Object Oriented Analysis & Design
- 10) Computer Programming I&II

Major RESEARCH PROPOSALS

1. **Early Prediction of Severe Acute Respiratory Infections/ Illnesses through Smart Survey Mobile Application facilitating ASHA Workers -“SARI-ASHA”**, at Biotechnology Industry Research Assistance Council (BIRAC)-PACE with PI- Dr Suresh Ukarande, Co-Investigator-Ms Reena Lokare, Aug2020, Status-accepted in preliminary examination round. Rejected in final evaluation with remarks implementation plan should be specific.
2. **“Aarogya Patrika”** - at Biotechnology Industrr Research Assistance Council (BIRAC)-PACE with PI- Dr Suresh Ukarande, Co-Investigator- Dr Hariram Chavan, Aug2020, Status-accepted in preliminary examination round. Rejected in final evaluation with remarks implementation plan should be specific.
3. **Personalised Therapy To Cancer Patients Using Genomic Profile** at AICTEs AQIS RPS, Co-Investigator-Ms. Reena Lokare on February 2020, Status – Specific dataset insufficient.
4. **“Smart Irrigation System”**, at DST- SEED, STI Hub for SC & ST community 2019, Co –investigator-Dr Namrata Ansari, Status- No reply yet, in process.
5. **“COVID-19 detection from Chest CT using weakly supervised approach of Deep Learning”**, at National Research Development Corporation-2019, with Co-investigator-Ms Jyoti Wadmare, Status-Under Review.
6. **“Contemplation of palliative care need in India by Machine learning approach”**, at Indian Council for medical Research (ICMR), New Delhi , Oct 2019 for Rs. 30 Lac with Co-PI Dr Thulasi Pillai, Status- Under Review
7. **“Study on the Effect of Raja yoga on the immune system”** at DST, New Delhi, April 2020 for Rs. 5.2 Lac as Co-PI with Mr. Rajagopal R and PI as Dr Thulasi P, Status- In Process.

8. **"Personalized Risk Prediction using Artificial Intelligence, Big Data Analytics and Cloud Computing for Covid-19"**, at *Horizon -2020*-European Union Commissions Research and Innovation programme for Corona 2019, Co-Investigator- Dr Hariram Chavan, Ms Reena Lokare, Status- Rejected.
9. **"Affordable Cancer Therapy for Socio-Economically Background Indians"** at DST's SC-ST Community funding Scheme, **with Co-Investigator:** Ms. Reena Lokare, status-Rejected, Remark: Not suitable for ST community, 2019.
10. **"Personalised Therapy To Cancer Patients Using Genomic Profile"** at ICMRs-India Cancer Research Consortium, with Co-Investigator: Ms. Reena Lokare, Status- Rejected, Remark-Reason- unknown.
11. **"To study and apply Indian Experiences in teaching engineering softwares in higher education systems"** under Indo-Uzbekistan Program of collaborative Scheme of DST & Republic of Uzbekistan Feb 2020 status- Under Review
12. **"Water Productivity Mapping and Smart Irrigation in Sugarcane"** under "Management and utilization of natural resources in agriculture area" for Indian Council of Agricultural Research, National Agriculture Science Fund in Aug 2018. Status- Rejected, Remarks- Can submit to upcoming schemes.
13. **"Low cost Smart Irrigation System using IoT"** at "STRC Assistance for S&T Application Scheme 2020", status- In process.
14. **"Farmers Wallet"**, On-going Collaborative Project development between Somaiya Vidyavihar and Michigan State University, USA since 2019.

PATENT

Filled Permanent Complete National Patent **"The Saviour Bag"**, Application No:201721009725. Patent published at Indian Patent Journal, 2018.

GRANTS & Consultancies

1. Training for Indian Navy Officers on "Artificial Intelligence & Big Data Analytics " at INS Valasura, Gujarat, 3rd Feb- 13th Feb 2020-consultancy received for **Rs 2, 50,000/-**
2. University Of Mumbai , Minor Research Grant for Faculty for the year 2019-2020, as a Co-PI along with PI-Dr. Namrata Ansari for "Smart Irrigation System using IoT"- **Rs. 50,000/-**
3. University Of Mumbai , Minor Research Grant for Faculty for the year 2017-2018, Principal Investigator for The Saviour Bag- Life Saving Instrument"- **Rs. 45,000/-**

4. Developing Software for India Navy, MOMB, INS Hamala, Ghatkopar for consultancy amount of **Rs 5, 00, 000/-**

5. In process- Training for Indian Navy Officers on “PowerBI” for **Rs. 1,00, 000/-**

Funding Proposals applied

1. AICTEs AQIS scheme proposal for sanctioning Faculty Development Program (FDP) 2019, application id: 1-7116996467, status- Expert Evaluation Completed and not recommended
2. AICTEs AQIS scheme proposal for sanctioning Short Term development Program (STTP) 2019, application id: -1-7024350041, Status-Expert Evaluation Completed and not recommended
3. AICTEs AQIS scheme proposal for sanctioning Research Promotion Scheme (RPS) 2019 – application id:1-7037782362 Status- Submitted and not recommended
4. AICTE-ISTE AQIS 2020-21, Faculty Refresher Program on “Cloud Security and Block chain”, application id: 202000475, status-In Process.
5. AICTE-ISTE AQIS 2020-21, Faculty Refresher Program on Deep Learning and its applications”, application id: 202000476, status-In Process.

AWARDS & Recognitions

1. The **Best Patron Academician Award** by The Institution of Engineering & Technology (The IET, Mumbai LN)-December 2018
2. The **Best Patron Teacher Award** by The Institution of Engineering & Technology (The IET, Mumbai LN)-September 2017
3. KJSIEIT has **Four times received, “Best Academic Affiliate Institute Award”** by The Institution of Engineering & Technology (The IET, Mumbai LN) for 2015-16, 2016-17, 2017-18 & 2018-19 under the convener ship.
4. **The Best event of the year- ICAST 2018 and ICAST 2019** (KJSIEIT- IETs 1st & 2nd International conference on Advanced in Science and Technology- 2018 and 2019 in association with University of Mumbai) by The Institution of Engineering & Technology (The IET, Mumbai LN) in the year 2018 and 2019 under the convener ship.
5. KJSIEIT has received **“A” Grade by National Assessment & Accreditation Council (NAAC) of India with 3.21 CGPA in its first cycle)** for 5 yrs duration from 2018 to 2022, contributed as a Vice Principal and as an Internal Quality Assurance Cell (IQAC) member of the institute.

6. KJSIEITs 3 Departments viz, Department of Computer Engineering , Department of Electronics & Telecommunication Engineering & Department of Electronics Engineering received **3 years Accreditation from 2018- 2021 by National Board of Accreditation (NBA, India) in its first attempt**, contributed as a Vice Principal, Head of Computer Engineering Department and as an Internal Quality Assurance Cell (IQAC) member of the institute.
7. KJSIEIT has received "**Best College Award**" for the Academic Year 2018-19 under urban area colleges of **University of Mumbai**, contributed as a Vice Principal
8. KJSIEIT has been placed in **Platinum category- 2 times, Gold Category -2 times by AICTE - CII Ind Pact Survey** for increased no of Industry Institute Interactions for AY 2018-19, 2 017-18, 2016-17 & 2015-16 resp., worked as a Vice Principal for the same
9. KJSIEIT has been ranked among **top 5 institutions under western region and in top 25 institutions of MHRDs Innovation Council i.e. MICs-Institute Innovation Cell amongst top 925** participating institutes in India, 2019.
10. Started first of its kind Post Graduate Course i.e. Master of Engineering in Artificial Intelligence under University of Mumbai at KJSIEIT with 18 intake, 2019-2020.
11. KJSIEIT has received **2f & 12b status** for recognition of the institutions under UGC act for getting research grants, contributed as a Vice Principal, 2017
12. KJSIEIT has received **Permanent Affiliation** with University of Mumbai, contributed as a Vice Principal, 2017
13. KJSIEIT has conferred with the **Autonomous Status** by University Grants Commission for the period of 10 years from 2021-22 to 2030-31, contributed as a Vice Principal and Convener, Autonomy Preparations.

PROFESSIONAL ROLES

A: University Level

1. Member, Board of Studies for Computer Engineering, UoM for the term Sept 2019 to 2022.
2. University of Mumbai's PhD Entrance Test , Convener, Paper Setters Committee for Computer Engineering and Information Technology, March-April 2021.
3. District Coordinator, University of Mumbai Project Competition & Student Convention, "Avishkar-, 2020, 2021

4. District Co-Coordinator, University of Mumbai Project Competition & Student Convention, "Avishkar-2020, 2019, 2018, 2017-Engineering & Technology Section".
5. Member, UoM's Minor Research Grant evaluation and sanctioning Committee, 2018, 2019, 2020.
6. Member, UoM's Minor Research Grant Poster Presentation Evaluation Committee, 2018, 2019.
7. Local Inquiry Committee member for University of Mumbai, 2018, 2019.
8. Result Evaluation and Moderation Committee Member, for Computer and IT disciplines, University of Mumbai, 2017,2018,2019,2020.
9. Member, BoS in Computer Engineering, Syllabus preparations for Rev 2019, C scheme, Sem V,VI,VII,VIII for Computer Engineering ,University of Mumbai, 2019 onwards.
10. UGC Interview Selection Committee member, Vice Chancellors Nominee for Engineering and science Colleges, University of Mumbai
11. Member, BoS in Computer Engineering, Syllabus preparations for New courses under University by AICTEs 9 emerging Areas of Technology, Honors, Minor programs, "AI-ML Group", Rev 2019, C scheme, Sem I to VIII, 2020-2021
12. UoMs Special Backlog, KT, Regular Examination July-Aug2020, Nov-Dec 2020, Jan 2021, July 2021, Computer Engineering, Semester III Coordinator.
13. UG and PG subject syllabus setting committee Member for Rev 2012-A, Rev 2016-B and Rev 2019-C schemes, University of Mumbai.
14. PhD Approved Guide for Computer Engineering and Information Technology, University of Mumbai, since 2015.
15. P.G. Approved Teacher for Computer Engineering & Information Technology, University of Mumbai, since 2008.
16. Chief Conductor and Joint Chief Conductor, Board of Examinations, University of Mumbai, since 2013-14.
17. NBA Accreditation Guidance, Shah & Anchor Kucchi Engg College Chembur, UoM.
18. NBA Accreditation Guidance, K C College of Engineering, Thane, UoM.
19. PhD Interview Expert Committee Member and approved UoMs PhD Guide for Pillai HOC, Rasayni, UoMs PhD Research Center.
20. PhD Interview Expert Committee Member , Vidyalankar Institute of Technology, UoMs PhD Research Center.

21. PhD Guide, K J Somaiya College of Engineering, Vidyavihar, UoMs PhD Research Centre.
22. PhD External Evaluator, PillaiHOCRasaini, RAIT, Nerul, Navi Mumbai.
23. Avishkar Research Convention, UoM, District Level & University Level Judge for Engineering & Technology Groups & Science Group, since 2017.
24. Member, Department Advisory Board, Shah and Anchor Kacchi Engineering College, Chembur, Mumbai

B: Outside Parent University

1. Vice-Chairman, The Institution of Engineering & Technology (IET), Mumbai Local Network, 2016-2017,2017-18.
2. Vice-Chairman, Young Professional, The Institution of Engineering & Technology (IET), Mumbai Region.2014-15, 2015-16.
3. Adjunct Professor, Department of Computer Engineering, Kolhapur Institute of Technology, Shivaji University, Kolhapur, 2017.
4. Board of Studies Member for Autonomy, Kolhapur Institute of Technology, Shivaji University, Kolhapur, 2018.
5. Advisory Board Member, CognitoIT Services Pvt Ltd, Mumbai
6. Member, Internal Quality Assurance Committee, K. J. Somaiya Hospital and Research Centre, Sion, Mumbai

C: Institute Level

1. Vice Principal, K J Somaiya Institute of Engineering & IT, Sion , Mumbai since May 2016.
2. Incharge-Principal, K J Somaiya Institute of Engineering & IT, Sion ,Mumbai. Mar'-May'2016
3. Dean Academics, K J Somaiya Institute of Engineering & IT, Sion , Mumbai Jan 2015-Mar'2019.
4. Professor, Department of Computer Engineering, K J Somaiya Institute of Engineering & IT, Sion , Mumbai since January 2015.
5. Coordinator, Post Graduate Studies in Artificial Intelligence, KJSIEIT, 2019.
6. Former Head, Department of Information Technology, KJSIEIT, May 2009-Jan 2015.

7. Former Head, Department of Computer Engineering, KJSIEIT, Mumbai. Jan' 2006-July 2008 and Jan 2015-Mar' 2016.
8. Career Advance Scheme (CAS) Implementation committee member for KJSIEIT and KJSCOE, Vidyavihar Since 2016
9. Convener, Center of Excellence in Robotic Process Automation- ML & AI, KJSIEIT.
10. Sthayi Samiti committee member, Open Category, KJSIEIT, 2013.
11. Overall IT- Coordinator, KJSIEIT, 2013.
12. Unfair Means Committee Member, KJSIEIT, 2013.
13. KJSIEIT-The IET Counselor, Faculty and Student Chapter, since 2014.
14. Anti-Ragging Squad, KJSIEIT, 2013.
15. Annual Stock Verification Committee In-charge for KJSIEIT, KJSCOE and VET (Vidyavihar), 2016.
16. Convener, Information Technology Student's Association (ITSA), KJSIEIT, 2009.
17. Former – Alumni In-charge, KJSIEIT, 2008.
18. NBA Accreditation In-charge, Department of Information Technology, 2009.
19. Member, KJSIEITs Mandatory Disclosure and Compliance Report Generation, since 2006.
20. Institute Purchase Committee member for IT and Computer Departments since 2006.
21. Chief Conductor, Senior Supervisor, Moderator, Examiner, Evaluator and Paper Convener, Coordinator, Paper Setter, since 2001.
22. Management Representative, Staff Selection, Somaiya Vidyavihar Trust, Teaching, non-teaching staff interview conduction and selection member, Somaiya Vidyavihar Trust, 2006 –till date.
23. Former, Personal Relations Representative, SVV for KJSIEIT, 2013.
24. Institute Discipline Committee Member, 2013.
25. Staff, Student Grievance Committee Member, 2009.
26. Chairman, Women Development/Grievance Committee, since 2013.
27. Convener, Computer Engineering Student's Association (CESA), 2005.
28. Reviewer for International & National Conferences and Journals.

TECHNICAL PUBLICATION (International Journals)

1. Ms. Smita Bhoir and Dr Sunita Patil, **"A Review on Recent Advances in Content-Based Image Retrieval used in Image Search Engine"**, *Library Philosophy and Practice, e-journal (article no 5617) ISSN 1522-0222, 18 June 2021*, <https://digitalcommons.unl.edu/libphilprac/5617/>. University of Idaho Library, University of Nebraska – Lincoln, US
2. Ms Rajvi Kapadia, Ms Usha Jain, Mr. Yatharth Nagda, Dr Suniat Patil, Mr Vishal Patil, **"PREDYIELD - AGRICULTURAL YIELD PREDICTOR"**, May 7, 2021). 4th International Conference on Advancers in Science and technology", KJSIEIT-ICAST 2021, Elsevier's Online Digital Publication portal SSRN <http://dx.doi.org/10.2139/ssrn.3868700>
3. Ms Roy, Reema and Dr Sunita Patil, **"Fake Product Monitoring System using Artificial Intelligence"**, May 7, 2021, 4th International Conference on Advances in Science and Technology", KJSIEIT-ICAST 2021, Elsevier's Online Digital Publication portal SSRN <http://dx.doi.org/10.2139/ssrn.3867602>
4. Dr Sunita Patil and Mr Rasave Ajay, **"Artificial Intelligence Chat Bot for Counselling Therapy"**, May 7, 2021, 4th International Conference on Advances in Science and Technology", KJSIEIT-ICAST 2021, Elsevier's Online Digital Publication portal SSRN <http://dx.doi.org/10.2139/ssrn.3866861>
5. Ms. Smita Bhoir and Dr Sunita Patil, **"ICT-based Learner-Centric Evolutionary Learning Model: An effective solution to Teaching-Learning Process"** publication at SpringerBriefs/ IOP Conference Series: Materials Science and Engineering (SCOPUS Indexed) under International Conference on Computer Vision, High Performance Computing, Smart Devices and Networks(CHSN-2020) 28-29 December, 2020. DOI: [10.1088/1757-899x/1074/1/012028](https://doi.org/10.1088/1757-899x/1074/1/012028). ISSN: [1757-8981](https://doi.org/10.1088/1757-899x/1074/1/012028) (online)ISSN: [1757-899X](https://doi.org/10.1088/1757-899x/1074/1/012028)(offline).
6. Mr Darshan Patil, Ms Reena Lokare and Dr Sunita Patil, **"PRIVATE DATA CLASSIFICATION USING DEEP Learning"** at SSRN- Elsevier's online digital publication under 3rd International Conference on Advances in Science & Technology-ICAST-2020 . ISSN: [1556-5068](https://doi.org/10.2139/ssrn.3568717). <http://dx.doi.org/10.2139/ssrn.3568717>
7. Mr Kwaajavaise Lakdawala, Mr Vrushil Gajra, Mr. Rahul Bhanushali and Dr Sunita Patil, **"Automating Student Management System using Chatbot and RPA Technology"** at SSRN- Elsevier's online digital publication under 3rd International Conference on Advances in Science & Technology-ICAST-2020 conference proceeding & e-Journal, issue- August ' 2020. ISSN: [1556-5068](https://doi.org/10.2139/ssrn.3565321). <https://dx.doi.org/10.2139/ssrn.3565321>
8. Mr. Divyang Oza, Mr Dhruv Padhiyar, Mr. Viraj Doshi and Dr Sunita Patil, **"Insurance Claim Processing using RPA along with Chatbot "** at SSRN- Elsevier's online digital publication under 3rd International Conference on Advances in Science & Technology-ICAST-2020 conference proceeding & e-Journal, issue- August ' 2020. ISSN: [1556-5068](https://doi.org/10.2139/ssrn.3561871). <https://dx.doi.org/10.2139/ssrn.3561871>

9. Mr Prashant Nair and Dr Sunita Patil, "**QUANTUM COMPUTING IN DATA SECURITY: A CRITICAL ASSESSMENT**" at SSRN- Elsevier's online digital publication under 3rd International Conference on Advances in Science & Technology-ICAST-2020 conference proceeding & e-Journal, issue- August ' 2020. ISSN: 1556-5068. <https://dx.doi.org/10.2139/ssrn.3565438>
10. Ms. Jyoti Wadmare and Dr Sunita Patil, "**Improvising Weakly Supervised Object Detection (WSOD) using Deep Learning Technique**" at International Journal of Engineering and Advanced Technology, Vol.9, Issue 3, Feb 2020. Retrieval Number: B3796129219/2020©BEIESP. DOI: 10.35940/ijeat.B3796.029320
11. Ms Reena Lokare and Dr Sunita Patil, "**Predictions and Recommendations of Precision Medicine for Cancer using Machine Learning Techniques** at International Journal of Engineering and Advanced Technology, Vol.9, Issue2, Dec 2019. ISSN: 2249-8958. Retrieval Number: B3727129219/2019©BEIESP. DOI: 10.35940/ijeat.B3727.129219
12. Mr. Wasique Ali Ansari, , Mr. Paritosh Diya, , Mr. Sahishnu Patil and Dr Sunita Patil, "**Knowledge Acquisition Bot-KAB**, International Journal of Innovative Research in Science ,Engineering and Technology (IJIRSET-Impact Facor:7.089, ISSN(Online):2319-8753, ISSN(Print):2347-6710, Volume 8, Issue 3, March 2019. [http://www.ijirset.com/upload/2019/march/259 KNOWLEDGE.pdf](http://www.ijirset.com/upload/2019/march/259%20KNOWLEDGE.pdf). DOI:10.15680/IJIRSET.2019.0803259
13. Mr. Manishkumar Gami, Ms Nidhi Mehta, Mr. Parth Jetly, and Dr Sunita Patil, "**Automated Aggregation of Internet Content using RPA Bot**, International Journal of Innovative Research in Science ,Engineering and Technology (IJIRSET-Impact Facor:7.089, ISSN(Online):2319-8753, ISSN(Print):2347-6710, Volume8, Issue3, ,March 2019. [http://www.ijirset.com/upload/2019/march/256 Automated NEW.pdf](http://www.ijirset.com/upload/2019/march/256%20Automated%20NEW.pdf). DOI:10.15680/IJIRSET.2019.0803256
14. Mr. Wasique Ali Ansari, , Mr. Paritosh Diya, , Mr. Sahishnu Patil and Dr Sunita Patil, , "**A Review On Robotic Process Automation - The Future Of Business Organizations**, SSRN- Elsevier's online digital publication under 2nd International Conference on Advances in Science & Technology-ICAST-2019 conference proceeding & e-Journal, Vol 1, No.7. <http://dx.doi.org/10.2139/ssrn.3372171>
15. Mr. Manishkumar Gami, Ms Nidhi Mehta, Mr. Parth Jetly, and Dr Sunita Patil, "**Robotic Process Automation - Future of Business Enterprises : A Review**, SSRN- Elsevier's online digital publication under 2nd International Conference on Advances in Science & Technology-ICAST-2019 conference proceeding & e-Journal, Vol 1, No.4: Aug 2019. <http://dx.doi.org/10.2139/ssrn.3370211>

16. Vijaykumar Jha, Suraj Kataria, Rupesh Barve and Dr Sunita Patil, **Handwritten Document Recognition**, *International Journal for Advances in Computational Science & Technology (ACST)* Volume 11, Number 1, 2018 (Special Issue), ISSN 0973-6107, pg. 219-222, 6-7th April, 2018. <http://www.ripublication.com/Volume/acstv11n1spl.htm>

17. Ms Sneha Chogle and Dr Sunita Patil, **Biosensor Based Device For Tracking Normal Delivery Or Caesarean Delivery Process**, *International Journal for Advances in Computational Science & Technology, (ACST)*, Volume 11, Number 1 , 2018 (Special Issue), ISSN 0973-6107. pg. 336-342, 6-7th April, 2018. <http://www.ripublication.com/Volume/acstv11n1spl.htm>

18. Ms. Sneha Chogale, Dr Sunita Patil, **Analysis of Various Parameters Tested at Onset of Labor**, *International Journal for Computational Intelligence & Research(IJCIR)*, Volume 14, Number 1, 2018 (Special Issue), ISSN 0973-1873, pg. 369-375, 6-7th April, 2018. <https://www.ripublication.com/Volume/ijcirv14n1spl.htm>

19. Mr. Sahil Kirtane , Mr Sushant kotwal and Dr Sunita Patil, **Performance Evaluation using Data Analytics**, *International Journal of Advance Research, Ideas & Innovations in Technology (IJARIIT)* , Volume 4, Issue 2, ISSN:2454-132X, pg. 256-260, March-April, 2018. Paper ID V4I2-1284. <https://www.ijariit.com/manuscript/performance-evaluation-using-data-analytics/>

20. Ms Sneha Chogale, Dr Sunita Patil, **Survey on Normal or C-Section Delivery Process**, *International Journal for Computational Intelligence & Research(IJCIR)*, Volume 14, Number 1, 2018 (Special Issue), ISSN 0973-1873, pg. 207-211 , 6-7th April, 2018. <https://www.ripublication.com/Volume/ijcirv14n1spl.htm>

21. Ms Sunita Patil, Dr Sunita Mahajan, **Document Categorization Using Data Mining Techniques**, *International Journal of Engineering Research & Technology (IJERT)* Volume 2, Issue 10 October (2013) Journal Impact Factor (2011): **1.76**, Print: ISSN: 2278 -0181, Paper ID : IJERTV2IS101142. ESRSA Publications. <https://www.ijert.org/document-categorization-using-data-mining-techniques>.

22. Ms Sunita Patil, Dr S Patil, Dr Preeti Patil, **High quality design to enhance and improve performance of large scale web applications**, *International Journal of Computer Engineering & Technology (IJCET)*, Volume 3 Issue 1 January- April (2012) Journal Impact Factor (2011): **1.0425** Calculated by GISI, ISSN Print: ISSN 0976- 6464, ISSN Online: ISSN 0976 -6472. https://iaeme.com/MasterAdmin/Journal_uploads/IJCET/VOLUME_3_ISSUE_1/IJCET_03_01_024.pdf

23. Ms Sunita Patil, Dr Sunita Mahajan, **Scientific Research Paper Summarization On The Basis Of Research Relevant Term Identification** *International Journal of Computer Applications® (IJCA) Proceedings ICWET2012* Number 9, Number 9 article 4 (ISBN: 973-93-80864-56-2). <https://www.ijcaonline.org/proceedings/icwet2012/number9/5378-1069>. BibTeX (1st Author)
24. Ms Sunita Patil, Dr Sunita Mahajan, **Domain Specific e-Document Summarization Using Extractive Approach** *International Journal of Computer Applications® (IJCA)*, Number 13 - Article 7, Year of Publication: 2011 <http://www.ijcaonline.org/proceedings/icwet/number13/2161-is81>. (1st Author)

TECHNICAL PUBLICATION (International Conferences)

1. Ms Sunita Patil, Dr Sunita Mahajan, **Optimized Summarization of Research Papers as an aid for Research Scholars Using Data Mining Techniques**, *IEEE International Conference on Radar, Communication and Computing (ICRCC), S.K.P Engineering college, Tiruvannamalai, Tamilnadu, India, pg. 369-375, 22-23 Dec' 2012*. DOI: [10.1109/ICRCC.2012.6450587](https://doi.org/10.1109/ICRCC.2012.6450587) (Web of science)
2. Ms Sunita Patil, Dr Sunita Mahajan, **Research Relevant Novel Categorization of Domain Specific Scientific Articles using Data Mining Techniques**, *IEEE International Conference On Engineering, Nuicone-2012, NIRMA UNIVERSITY, Ahmadabad, Gujarat, 06-08 Dec' 2012*. DOI: [10.1109/NUICONE.2012.6493195](https://doi.org/10.1109/NUICONE.2012.6493195). (Web of science)
3. Ms Sunita Patil, Ms Preeti Patil, Mr. S Patil, **Customised Approach For Efficient Data Storing And Retrieving From University Database Using Repetitive Frequency Indexing**, *IEEE International Conference on Recent Trends in Information Technology, RAIT-2012, ISM, Dhanbad, Zharkhand, Mar16-18, 2012*. DOI: [10.1109/RAIT.2012.6194612](https://doi.org/10.1109/RAIT.2012.6194612). EID: 2-s2.0-84862098431. <https://ieeexplore.ieee.org/document/6194612>. <https://www.scopus.com/record/display.uri?eid=2-s2.0-84862098431&origin=inward&txGid=cac9d6d2bd012722c90a3557682a7baa>
4. Ms Sunita Patil, Dr Sunita Mahajan, **Summarization Research Paper On The Basis Of Research Relevant Term Identification**, *3rd International Conference and workshop on Emerging Trends in Technology (ICWET) 2012, TCOE, Kandivali, Mumbai*.
5. **Cluster Based Sentence Extraction Approach For Summarizing Published Research Paper Abstracts**, *2011 2nd International Conference on e-Education, e-Business, e-Management and E-Learning- (IC4E 2011), 7-9 Jan 2011, Mumbai, India, 978-1-4244-9213-8/11/\$26.00C 2011 IEEE*. <http://www.iacsit.org/ic4e/>

6. **Study and Evaluation of Multi-document Summarization Approaches: A Peer Review-** *International Conference on Knowledge Engineering, ICKE- 29-31 Jan, 2011, BAMU Aurangabad, India*
7. **A Novel Approach for Research Paper Abstracts Summarization Using Cluster Based Sentence Extraction,** *International Conference and Workshop on Emerging Trends in Technology (ICWET 2011) ACM DL proceedings Pages: 583-586. <https://doi.org/10.1145/1980022.1980150>. Full text:  PDF - 25th and 26th Feb 2011, TCET, Mumbai, India.*
8. **Summarizing Domain Specific Multiple Research Papers Using Research Relevant Novelty,** *4th International Conference on Data Management (ICDM-2011), 17-19 Nov, 2011, IMT, Ghaziabad, India. <https://www.imt.edu/icdm2011>.*

TECHNICAL PUBLICATION (National Conferences)

1. Dr Sunita Patil, Dr Namrata Ansari and Dr Suresh Ukarande, **Industrial Revolution Challenges and Prospects on Technical Institutions-** *47th ISTE National Annual Convention, SaintGits COE, Kottayam, Kerala, 27-29 Jan 2018.*
2. Dr Sunita Patil, Dr Vrushali Deole and Dr Suresh Ukarande, **Use of Technology in Education-Impact Vs Impediment-** *National Teachers Conclave, Pune 11-13 Jan 2018*
3. Ms Sunita Patil, **'Rule Generation Engine for Unstructured Data Extraction using Concept Hierarchy'**- *National Conference on Information & Communication Technology (NCICT 09)-06th-07th Mar'2009, MPSTME, NMIMS, Mumbai. <https://conferencealerts.com/show-event?id=ca1x8ah0>.*
4. Ms Sunita Patil, **Association Rule Generation from Unstructured Data Using Concept Hierarchy,** *NCCCE 2008, KCEES,s COET and IT, Jalgaon.*
5. Ms Sunita Patil, Ms Preeti Patil , **Analysis - Design and Implementation of for QoS enabled Voice Support: Issues and Challenges,** *NCCCE 2008, KCEES,s COET and IT, Jalgaon.*
6. Ms Sunita Patil, Ms Preeti Patil, **The Design Architecture for Extending Software Integration: Applications on Mobile Platforms,** *NCCCE 2008, KCEES,s COET and IT, Jalgaon.*

BOOK CHAPTER

Authored Book chapter titled “ **Person-based Artificial Intelligence Chatbots-A driving force of Industry 4.0**” authored by **Dr. Sunita Patil and Ms. Smita Bhoir** in the Elsevier publications houses' book **Artificial Intelligence Techniques and Tools for Industry 4.0 Applications.**

INTERNATIONAL and NATIONAL VISITs

1. Attended 13th International Conference on Conceive ,Design, Implement and Operate (CDIO) 2017 at University of Calgary, Alberta, Canada from 18th Jun-22nd Jun 2107.

2. For International Collaborations with Somaiya Group of Institutions, visited:
 - a. University of Calgary.
 - b. University of Alberta.
 - c. University of British Columbia Institute of Technology.
 - d. Learning of Common Wealth Group, British Columbia.
3. Visited National reputed institutes and industries for academic and Industry collaborations
 - R.V. College of Engineering, Bengaluru, Karnataka
 - Indian Institute of Sciences (IISc), Bengaluru, Karnataka
 - Reliance Jio Industry, Koparkhairane, Navi Mumbai
 - Godrej Industries, Vikroli
 - BSNL/MTNL, Powai
4. Visited national level institutes for attending and presenting research papers at National and International Conferences and research and event collaboration at:
 - Nirma University, Ahmadabad, Gujarat
 - Indian Institute of Mines (IIM), Dhanbad, Zharkhand
 - Institute of Management and Technology, (IMT), Ghaziabad, Delhi
 - Dr Babsaheb Ambedkar Marathwada University (BAMU), Aurangabad
 - S.K.P Engineering College, Tiruvannamalai, Tamilnadu
 - College of Engineering (COEP), Pune
 - Kolhapur Institute of Technology (KIT), Kolhapur
 - K J Somaiya Institute of Applied Agriculture and Research(KIAAR), Karnataka
 - Godavari Bio refineries Limited (GBL), Karnataka
 - INS, Indian Navy, Valsura, Gujrat
 - INS Hamala, Malad, Mumbai
 - INS, Materials Organisation, MOMB, Ghatkopar, Mumbai
 - Pune Institute of Computer Technology (PICT), Pune
 - Marwadi University, Rajkot, Gujrat.

PROGRAMS/COURSES ORGANISED

1. Convener, Faculty Development program on “Strategies for Sustaining Quality Culture in Autonomous Colleges” ” in association with Rashtriya Uchchar Shiksha Abhiyan (RUSA) Maharashtra from 21st Jun 2021 to 25th Jun 2021 for autonomous and to be autonomous engineering colleges in Maharashtra in online mode.
2. Convener, Short Term Training Program on “Being an Autonomous Institute: Roles, Responsibilities and Action Plan”, form 14th May 2021 to 22nd May 2021, for all faculty and staff of KJSIEIT in Online Mode.
3. Convener, Expert talk on “Changing Dynamics of Education post COVID Era - Insights from Chanakya’s Teaching” on 4th June, 2021 by Dr. Radhakrishnan Pillai (Author, Teacher of 17 books on ‘Chanakya’ Series: that have been the ‘Best Seller Books’ on Corporate Management) in online mode.

4. Convener, Expert talk on “Technology-How it is going to impact Education in Future?” by Shri V.V. Lakshmi Narayana, (Former-Additional Director General Police, of Maharashtra State) on 7th June, 2021 in online mode.
5. Technical Chair, 4th International Conference on Advances in Science & Technology (KJSIEIT-ICAST - 2021), publishing partner SSRN-Elsevier on 7-8 May 2021 (Online mode).
6. Convener, KJSIEIT-IETs National Level Project Competition, INTECH 2021, April 2021 (Online Mode).
7. Convener, International Women’s Day celebration under Women Development Cell of KJSIEIT “Basics of Self Defense” on 8th March 2021, online mode.
8. Convener, IBM –Innovation Centre for Education (ICE), certification Programs (Graduation, Diploma and Certification) at KJSIEIT- Dec 2020 onwards.
9. Convener, Centre of Excellence (CoE) in Artificial Intelligence with Tech Mahindra, March 2021.
10. Convener, 3rd International Conference on Advances in Science & Technology (KJSIEIT-ICAST - 2020), publishing partner SSRN-Elsevier on 28th May 2020 (Online mode).
11. Convener, Webinar on Engineering Curriculum –New Perspective organised by KJSIEIT in association with University of Mumbai on 17 June 2020.
12. Convener, National Level Webinar Series on “Emerging Areas of Technology”, organised by KJSIEIT from 13th July- 22 July 2020.
13. University of Mumbai’s ‘ Revised Syllabus 2019-20, scheme 'C' for Computer Engineering branch, Artificial Intelligence, Data Science, Machine Learning, Data Engineering branch, Honors and minor courses syllabus designing board member, Dec’2020.
14. University of Mumbai’s ‘ Revised Syllabus 2019-20, scheme 'C' for Computer Engineering branch, guidance and mentoring as a Member, Board of Studies Member, in Computer Engineering, December- Jun 2020.
15. Minor Research Grant, UoM for 2019-20, Proposal evaluation & presentation evaluation & scrutiny panel member - Feb 2020.
16. Initiated, Centre for Department of Life Long Learning & Extension, University of Mumbai at KJSIEIT in December 2019.

17. Convener, 1 week AICTE - ISTE and University of Mumbai approved Short Term Training Programme (STTP) on “Driving Innovation with DevOps” in association with the Institution Innovation Council (IIC) and The Institution of Engineering and Technology (IET) from December 09 – 14, 2019.
18. Conference Convener - 1st , 2nd, 3rd, 4th International Conference on Advances in Science & Technology (KJSIEIT-ICAST – 2018, 2019, 2020, 2021), publishing partner SSRN-Elsevier & Research India Publication houses.
19. Convener, One week ISTE-AICTE, UoM approved Short Term Training Program in Association with The IET on “Artificial Intelligence, Machine learning & Deep Learning- Hands-On” from 24th Jun’2019-29th Jun’2019.
20. University of Mumbai, Vice Chancellors appointed-Result Moderation Committee Member to scrutinize the results of Computer Engineering & Information Technology Engineering branches for CBGS/CBGCS/ Rev to Old examinations of First & Second Half of 2016, 2017 & 2018.
21. District Co-Coordinator- University of Mumbai – 12th, 13th & 14th Research Project Conclave- “Avishkar 2016-17, 2017-18 & 2018-19”, Engineering & Technology Category. (UoM bagged 8 Gold & 2 Silver Prizes at State Level Competition)
22. Convener & Speaker, UoM- Orientation Program on ‘Software Engineering’, Third Year Engg (Computer)- Sem VI, CBCGS, Revised Course-2016.
23. Convener, One week ISTE approved Short Term Training Program in Association with The IET & NCSSS on “Cyber Security in IoT Applications” from 2nd July to 7th July 2018.
24. Co-Convener, One week AICTE-ISTE approved Refresher/Induction Program on “Nanotechnology & its various Common Applications ” from 2nd July to 7th July 2018.
25. Convener, 1st International Conference on Advances on Science & Technology- ICAST-2018, 6-7th April 2018 organized by KJSIEIT in association with UoM & The IET, India
26. District Co-Coordinator- University of Mumbai – 12th Student Research Project Conclave- “Avishkar 2017-18”, Engineering & Technology Category. (UoM bagged 1 Gold & 2 Silver Prizes at State Level Competition).
27. Organised all District Level Round of - University of Mumbai – 12th Student Research Project Conclave- “Avishkar 2017-18”, for Category- Engineering & Technology, at KJSIEIT, Sion-2 Jan 2018.

28. Somaiya Initiatives for Research and Consultancy (SIRAC), Somaiya Trust Level Purchase Committee member.
29. Coordinator, SPOC, NASSCOM KJSIEIT Institute Membership.
30. Coordinator, SPOC, CII-WRO, KJSIEIT Institute Membership.
31. Convener, One week UOM approved Faculty Development Program in Association with Microsoft ATS Infotech & The IET on "R Programming, Python, & Perl"- Jan 2018.
32. Convener, One week UOM approved Faculty Development Program in Association with Microsoft ATS Infotech & IET on "Advances in Big Data Technologies"-2016.
33. Convener, One week UOM approved STTP in Association with Microsoft ATS Infotech & IET on "Cloud Computing & Big Data Analytics"-2015.
34. Convener, Two weeks UOM & IET approved Faculty Development Program Convener on "Research Methodology for PhD Aspirants"-2014.
35. Technical Chair, National Symposium on "Evangelizing Internet of Things", 05th Oct 2015 in association with The IET.
36. NPTEL Awareness Workshop in association with IIT Bombay, for Mumbai Region
37. Convener, One Week ISTE -Short Term Training Program Convener 'Network Security'-2009.
38. Convener, One Week ISTE- Short Term Training Program Convener 'Data Warehousing and Mining'-2010.
39. Coordinator, UoM- Orientation Program on 'Information Storage Management and Disaster Recovery'- 'BE(IT)- Sem VIII, UoM, Revised Course-2012'.
40. Coordinator, UoM-Orientation Program on 'Data Ware housing and Business Intelligence' BE (IT)- Sem VII, Revised Course'-2012.
41. Coordinator, The IET-PATW (Present around the World) International level Competition, Mumbai LN, Maharashtra State for 2013, 2014,2016 and 2017.
42. Coordinator, The IET-NICE (Nurturing Intelligence For Curious Engineers) Regional, Mumbai LN & Maharashtra State level event for 2014, 2015 and 2016, 2018, 2019.
43. Coordinator, National Symposium on "Evangelizing Internet of Things", KJSIEIT in Association with The IET, Mumbai LN on 05th Oct 2015.

44. Coordinator, One day, Institution of Engineering & Technology (IET), Mumbai LN Workshop on “INSPEC Data Tool & Digital Library”- 2015.
45. Coordinator, The Institution of Engineering & Technology (IET)-“Nurturing Intelligence For Curious Engineers -NICE” Regional Level Event Initiative & Launch -2014.
46. Coordinator, Visit to Monorail Workshop & Automatic Control Room, Wadala-2015, 2016
47. Convener, Guest lecture Series for IT Department since 2010.
48. Convener, “NBA Expert Lecture” for IT & Computer Department Expert-Mrs. Sonali Patil, KJCOE, Vidyavihar-2015
49. Convener, IET Student Chapter Formation & Inauguration-2013
50. Convener, “Final Year Student Meet with IET Experts” -2013 onwards regular activity under IET Academic Affiliate Partner.
51. Convener, Seminar On “Stress Management”, Speaker, Ms. Divya Thumpi-2015
52. Convener, Seminar on “IET Benefits & Awareness, for GAP Program” -2015.
53. Expert, IET Mumbai LNs, “Present Around The World (PATW)” Competition Awareness sessions for Mumbai Region students, 2013, 2014.
54. Coordinator, IET Mumbai LNs, “Present Around The World (PATW)” Regional Competition-2013, 2014, and 2017, 2018.
55. Coordinator, “Crompton Grieves Ltd, Global R&D” Department Heads Visits For Industry Institute Interaction-2016.
56. Coordinator, The IET-KJSIEIT Collaboration Initiative through Academic Affiliate Partnership-2014 onwards.
57. Convener, KJSIEIT-IET-National Science day celebration “Community Event cum Expo”-2014.
58. Convener, Seminar on “Use of IET Digital Library, Awards, Scholarships, Job Fairs, Tech Dias Lectures “ for Faculty & Students.
59. Coordinator, IET- NICE Pre Launch High School Awareness Event at Jr. Colleges across Mumbai, Thane, Raigad Regions, 2014,205,2016,2017.
60. Coordinator, IET Industry-Academia interaction workshop at CGL, TDK-EPCOS Nasik for faculties from ETRX, EXTC departments.-2015
61. Convener, The IET Academic Affiliation Partner’s Meet at KJSIEIT-2016

62. Coordinator, Somaiya Trust 'NGO SAHAS' - Diwali celebration with HIV-Infected children, initiative of IET Student chapter, 2015.
63. Coordinator, Crompton Greaves Institute Industry Interaction with faculty members, 2015.
64. Convener, IET Expert Seminar series on "Mumbai Monorail Project" for faculty and students.
65. Convener, Faculty Development Workshop on "Soft Skill Training for Teachers" by Mr. Subhash Deshpande, Rtd Dy. General, on 21st July'2013.
66. Coordinator, KJSIEITs Annual Technical Festival "Renaissance-2k13", IET Student Chapter, KJSIEIT.
67. Initiated Refresher & Certification courses for students with Microsoft ATS, Mumbai, since 2011.
68. Initiated various committees as per student interest Groups & working closely with them.

EXPERT TALKS

1. Expert Speaker Session, "AI in Supply Chain Management and Logistics", Indian Navy Officers, INS Hamala, Malad, Mumbai, 17th July 2021.
2. Expert Discussion and Presentation on "Power BI Training for INS Materials Organisation- Indian Navy Officers, Ghatkopar, Mumbai, 25th July 2021 in Online mode.
3. Expert Speaker Session, "Usage of Power BI tool for Indian Navy", MOMB, Indian Navy, INS Ghatkopar, 10th July 2021 in Online mode.
4. Expert Speaker session on "Usage of Artificial Intelligence in Defense sector", for INS Hamala, Malad, Mumbai on 26th June 2020 in Online mode.
5. Expert Speaker session, "Explainable Artificial Intelligence for Healthcare" under 1 week AICTE AQIS STTP on Leveraging Artificial Intelligence & Data Analytics in Healthcare during 4th- 9th Jan2021 at KJSIEIT Sion Mumbai.
6. Expert Speaker at International Internship on "IoT to Product Design" organised by University of Mauritius in association with Tran Asian Chamber of Commerce & Industry during May 20-30, 2020 in Online mode.
7. Expert Speaker session on "In the World of Artificial Intelligence" for INS Hamala, Ghatkopar on 30th May 2020 in Online mode.

8. Expert Speaker at 1 week FDP on Machine learning and application Areas organised by Kolhapur Institute of Technology (KIT) , Kolhapur from 7th July-10th July 2020 in Online mode.
9. 2 weeks Training for Indian Navy Officers on “Artificial Intelligence & Big Data Analytics” from 3rd Feb 2020 to 16th Feb 2020 at INS, Valsara, Gujrat
10. Panelist-Topic-“ Need of Councilors in Higher and School Education System ” at 15th World Education Summit, organized by Elets & Digital Learning Magazine on 21-22 November 2019 at Bombay Exhibition Center, Goregaon (E), Mumbai
11. Expert Speaker -‘Research in Engineering & Technology’ at University of Mumbai’s -14th Research Project Conclave- “Avishkar 2018-19”, for Categories- Engineering & Technology & Arts, Humanities & Languages, at RAIT, Nerul, LTCOE, Koparkhairane, KJSIEIT, Sion & Lala lajapatrai college of commerce, Shah and Anchor COE, Chembur from Jun 2019 onwards.
12. Panelist-Topic-“The Regulatory Framework in Higher Education: Key Challenges and the Way Forward to Quality Assurance for Institutions” at 11th Higher Education & Human Resource Conclave organized by Elets & Digital Learning Magazine on 4th May 2019 at The Westin Pune Koregaon Park, Pune.
13. Expert Speaker, UoM- Orientation Program on ‘Software Engineering’-‘ Third Year Engg (Computer)- Sem VI, CBCGS, Revised Course-2016’
14. Panelist -Topic-“ Integrating School Education & Higher Education to develop Educational Ecosystems at par with Global Standards” at 13th World Education Summit, organized by Elets & Digital Learning Magazine on 7-8 December 2018 at Bombay Exhibition Center, Goregaon (E), Mumbai
15. Expert Speaker, ISTE STTP on ‘Data Warehousing and Mining’, KJSIEIT-2010.
16. Expert Speaker, UoM-Orientation Program on ‘Advanced Database Systems’-M.E. (Comp Engg.)-Sem I, Revised Course’-2012.
17. Panelist-Topic-“ Integrating School Education & Higher Education to develop Educational Ecosystems at par with Global Standards” at 13th World Education Summit, organized by Elets & Digital Learning Magazine on 7-8 December 2018 at Bombay Exhibition Center, Goregaon (E), Mumbai

COURSES ATTENDED

1. AICTES Student learning Assessment (SLA) Project- A National level initiative to understand Level and Gains of students studying in Technical Institutions of

India- selected for the preparation of survey items set for computer Engineering, March 2021.

2. Brainstorming Session on 'Reimagining the Information Profession: iSchools, The Way forward!', Organised by Somaiya Vidyavihar University, KJSCOE, KJSIM and KJSIEIT on 29th April 2021.
3. UoMs Department of Student Developments Workshop on 15th Intercollegiate/Institute/Department Avishkar Research Convention, 24th March 2021.
4. 1 week online FDP on 'R Programming ' organised by PVPPCOR, Sion in association with Spoken Tutorial Project, IIT Bombay from 27th April- 2nd May 2020
5. 1 week FDP by AICTE Training & Learning Academy (ATAL)on IoT at National Institute of Technical Teachers Training and Research , Chandigarh from 14/04-18/04/2020.
6. 1 week AICTE recognised FDP on Teaching and Learning for Accreditation in Technical Education at National Institute of Technical Teachers Training and Research, Chandigarh from 27/04-01/05/2020.
7. National Level Webinar series on 'NAAC Assessment and Accreditation' organised by KC College, Churchgate Mumbai from 21/04- 25/04/2020.
8. 1 week Workshop Cloud Computing by Leadindia.ai at Bennet University, Greater Noida- from 04th May-08th May 2020.
9. 1 week Short Term Training Program under TEQEP-III on Data Science and Learning Systems with Engineering Research & Design organised by NIT Kurushetra and EC Bikaner from 24/06-28/06
10. 1 week FDP on Emerging Technology Trends in 4th Industrial Revolution World organised by Chennai Institute of Technology, Chennai from 22/06-26/06/2020
11. FDP by AICTE Training & Learning Academy (ATAL) on AI at National Institute of Technical Teachers Training and Research , Chandigarh from 25/05-29/05/2020
12. Webinar on How to Balance Personal Life and Professional Life during Lockdown organised by IIIHMR University on 28th April 2020
13. FDP by AICTE Training & Learning Academy (ATAL)on AI at Indraprastha Institute of Information Technology, Delhi, from 08/06-12/06/2020
14. FDP by AICTE Training & Learning Academy (ATAL)on AI at Central University Kerala from 03/06-07/06/2020
15. Online Research Meet on 'Somaiya Research Interventions in Engineering and Technology organised by SIRAC in association with KJSCE and KJSIEIT on 29th May 2020.
16. National Level Webinar series on "Emerging Areas of Technology, identified by AICTE" organised by KJSIEIT, Sion from 22 Jun-3rd July 2020

17. NPTEL online lecture series from 13th April 2020
18. Webinar series by Elects in the wake of Covid'19 from April 2020
19. One week Leadership and Soft Skill Development Program for top management by Persona Skill Development Institute, Thane from 2nd Sept 2019-7th Sept 2019.
20. "Universities of Eminence" by Dr Ved Prakash, President, National Science Academy of India, ex-director, CDRI and CSIR Emeritus Scientist, Member, National Education Policy 2018, VC, University Bhuvaneshwar, Former VC,Qualities
21. CII Master Class: International Workshop on World University Rankings: by Confederation of Indian Industries on Hotel Courtyard by Marriott, Mumbai International Airport, Mumbai, 5th September 2019
22. Somaiya Public Lecture "Expectations on AI Consciousness" by Dr Karsten Wendland, Senior Researcher at Karlsruhe Institute of Technology (ITAS), Institute for Technology Assessment and Systems Analysis on Aug 21, 2019 Kalidas Sabhagruha, Somaiya Vidyavihar.
23. "Research in Academics", by Dr Rudra Pratap, Professor and Ex- Chairperson of the Centre for Nano Science and Engineering (CeNSE), Department of Mechanical Engineering, Indian Institute of Sciences, Bangaluru, April 2019, KJSIEIT ,Sion
24. WRO-CII –Industry Institute Interaction Session on "Industry 4.0" at J.W. Marriot, Bandra, Mumbai.
25. SVV-Somaiya Lecture Series, Expert Talk by Dr. R Chidambaram, DAE-Homi Bhabha Professor, BARC & Former Principal Scientific Adviser, Government of India, on "Management & Leadership for a Knowledge Economy ", 10th January 2019.
26. Science Academies Lecture Workshop on Neurosciences: Biology to Disease Management" organized by Indian Women Scientist's Association, Navi Mumbai, 3-4 Aug'2018.
27. SVV- Somaiya Lecture Series, Expert Talk by Dr. Devdatt Pattnaik, "Mythology and Psychological Paradigms "on 8th August 2018.
28. Somaiya Initiatives for Research & Consultancy (SIRAC) purchase committee meeting for purchasing R & D equipments.

29. SVV- Somaiya lecture Series (WCLS) & Somaiya Initiatives for Research & Consultancy (SIRAC) implementation plan and awareness meeting-19th March 2018.
30. SVV- Somaiya Lecture Series, Expert Talk by Dr. M.S. Valiathan, Medical Scientist on “ A Training on Physicians: A process in Evolution”, 21st March 2018.
31. SVV- Somaiya Lecture Series, Expert Talk by Mr. Prakash Jawadekar, Minister, HRD, Govt of India on Makers Mela by Riidle, Feb 2018.
32. SVV- Somaiya Lecture Series, Expert Talk by Mr. Arun Goyal, Minister, India Railways, Govt of India.
33. SVV- Somaiya Lecture Series, Expert Talk by Hon. Shri . Devendra Fadvanis, Chief Minister, Govt of Maharashtra on Inauguration of Maitreyi Hostel ,Somaiya Vidyavihar.
34. National Science Day, Expert Talk by Padmavibhushan, Hon. Jayant Narlikar, Indian Astrophysist, “Do we know our Universe”, Feb 2018
35. PhD Synopsis Evaluation Committee Member, Amity University, Mumbai.
36. Session Chair, 3rd International Conference on Emerging Trends in Computing Technology, 18-19 Jan 2018 at Amity University, Mumbai.
37. IET PATW Regional Round Judge at Marwadi University, Rajkot ,Gujrat.
38. UGC Orientation Program on “Autonomy to Colleges” on 16th Nov 2017 at SCOPE Center, New Delhi.
39. Confederation of Indian Industries, Western Region (CII-WR), 2nd Edition of Principals Conclave on 20th November 2017 at Welingkar Campus, Matunga, Mumbai.
40. Principals/Directors/Deans Workshop on “Induction Training to FE Entrants” by AICTE, 8th May 2017, SPCE, Andheri.
41. One week Faculty Development Program on “Data Science”, at Vishwaniketan COE, Khalapur, UoM, 27 Dec-31st Dec’2016.
42. Three days CDAC-Faculty Enrichment Workshop on “Data Science” -Jun 2016.
43. Workshop on “Use of Ubuntu -2016”, KJSIEIT, Sion.
44. One week Faculty Development Program on “Internet of Things ” 2nd May2016-9th May 2016, KJSIEIT .
45. IET Tech Dias Lecture Series “Energy Recovery Devices” by Mr. Satish Shaligram, Pelton Turbines 2016.

46. "Nanoscience & Nanoinformatics" workshop by Dr. Suhas Jejurikar, National Center for Nanosciences and Nanotechnology, University of Mumbai-2016
47. Initiated, Women Development Cell (WDC)-KJSIEIT Tech Dias Lecture Series Expert Talk by Mr. Vishram Bapat, Databytes Systems on 05 Sept 2015 KJSIEIT.
48. Expert Talk on "Software Engineering" by Mr. Prafulla Mayekar, Futurism Technologies on 1st Aug 2015 ,KJSIEIT
49. Expert Talk on "SOOAD", by Mr. Nilesh Wadkar, OPTIMISM-KJSIEIT on 14 Aug 2015.
50. Workshop on Introduction to Ubuntu by Mr. Abhijit Vichare, Consultant, 19th Aug'2015, KJSIEIT.
51. Coordinator, Sadbhavna Diwas Celebration on 20th Aug 2015, KJSIEIT.
52. Two days workshop on "Big Data Analytics" at MET MACOE, Pune on 24th & 25th Jan 2015.
53. IET Tech Dias Lecture Series "Chocolate Manufacturing" by Mr. Justin Carline, Cadbury UK Ltd, UK at Hotel Beatles, Powai, Mumbai, 2015.
54. Two Weeks University of Mumbai & IET Sponsored Faculty Development program on "Research Methodology for PhD Aspirants" from 5th May, 2014-16th May, 2014.
55. One Day ISTE Workshop on "Soft Skill Training for Teachers" by Mr.Parag Amin, SIES, Mumbai, On 5th July 2014.
56. IET Tech Dias Lecture Series on multiple topics relevant to Engineering and Technology.
57. One Day ISTE Workshop on NBA Process by Dr. V. M. Khot, FAIT, Vashi , 2014 at KJSIEIT.
58. One Day ISTE Workshop on "Education, Entrepreneurship and Management", Dr. Vivek Nagpal, Chairperson, Euro Asian N/Ws, Netherlands, On 31st July 2014.
59. One Day ISTE Workshop on "Awareness about Cyber Security & Cyber Law" by Mr. Vivek Naik, Mumbai Police, Cyber Crime Cell, On 8th Aug'2014.
60. One Day ISTE & IET Workshop on "Soft Skill Training for Teachers" by Mr. Subhash Deshpande, Rtd Dy. General, on 21st July'2013.
61. ISTE workshop on 'Web Development', at KJSIEIT, on 23rd Aug 2013.
62. 'IBM faculty enrichment program on Business Intelligence and IBM InfoSphere', VJTI, Mumbai, Dec'2012.

63. 3rd Workshop of the 'Forum for Information Retrieval Evaluation'-FIRE 2011, IIT, Bombay.
64. Three days Winter School on 'Information Retrieval Systems and Experimentation', 21-23rd Dec' 2010 ISI, Bangalore.
65. One Week ISTE STTP on 'Data Ware housing and Mining' at KJSIEIT, Sion, Mumbai, Dec' 2009.
66. Three Days Workshop on 'Latest Trends in Advanced Database Techniques' 16-17th Jan'2009, MET Bandra.
67. Two Days 'Faculty Training Program' at Accenture, Mumbai, India, 1-2nd Feb'2007.
68. Two Weeks ISTE STTP on 'Opportunities & Trends Information System Security' 20th Nov-01st Dec'2006, DBIT, Mumbai
69. Two Weeks ISTE STTP on 'Communication Networks' at KJSCOE, 2006 , Mumbai.
70. One Week ISTE STTP on 'Embedded Systems Design Using Microcontrollers'19-26th Dec'2005 VCET, Vasai.
71. Two Weeks ISTE STTP on 'Network Security & Trends' at DBIT , 2005, Mumbai.
72. One Day Interaction with Mr. Larry Walker, Cornell University, UK at SIMSR, Vidyavihar
73. One Day Interaction with Mr. Larry Walker, Cornell University, UK for Designing Syllabus of Biotechnology at S K Somaiya Science College, Mumbai.
74. One day, Institution of Engineering & Technology (IET) Workshop on "INSPEC Data Tool & Digital Library".
75. Coordination for Convocation & Degree Certificate Distribution Ceremony, KJSIEIT as Head, Department of IT and Computer Engineering sections..
76. KJSIEITs Technical Festival coordination under IET Student Chapter Section.

PROJECTS GUIDED at PhD, PG & UG Level

1. Prediction and Recommendation of Precision Medicine for Cancer Treatment using Machine Learning Techniques.(PhD)
2. Exploring World Wide Web Information optimizing User requirements using Machine Learning Approach.(PhD)

1. Object Detection from domain specific images using Deep Learning Techniques (PhD)
2. Private data classification using deep learning (PG)
3. Dynamic content security using artificial intelligence and machine learning (PG)
4. Biosensor Based Device For Tracking Normal Delivery Or Caesarean Delivery Process, data analysis & prediction.(PG)
5. Analysis and Survey of Normal or C-section Delivery Prediction as a second opinion. (PG)
6. Aggregation of Internet Contents for various applications using RPA Bots.
7. Handwritten Document Recognition Data Mining Techniques.
8. 'Agricultural Environment Monitoring System Using Wireless Networks'- using wireless sensors field parameters such as moisture of soil, temperature, fertilizer required etc will be measured. The results are informed to the farmer in that region on their mobile devices.
9. 'M-Braille-Bus'- Mobile applications which will enable visually impaired people to find out the bus routes according to the bus number source and destination.
10. 'Student Feedback Software for K J Somaiya IEIT'-Online faculty feedback can be collected from students with multiple criteria of evaluation.
11. 'Restaurant Chain Management and Availability' - Availability of table at restaurant and managing the same with restaurant chain in a region.
12. 'Authentication Schemes for Session Passwords using colour and images'- To minimize the vulnerabilities of textual password like Eves dropping, Dictionary attack, Social engineering, Shoulder surfing, Difficult to remember random & lengthy password. Uses Pair based and Hybrid Textual Authentication Scheme using Images.
13. 'Business Intelligence using market basket analyses -Use of Data Mining Prediction algorithm for predicting business market conditions as demand, growth and losses.
14. 'Web Walker'- This will provide an easy, fast & accurate access to the required knowledge about any field over internet. It will also work over the access speed & information accuracy features of search engine.
15. Online Resource Sharing without Cloud Computing Technology.
16. Online Shopping & Logistic Management using Data Mining Techniques.

17. Business Planner / Organizer using Data Mining Techniques.
18. Cloud Computing Virtual Desktop *a.k.a.* 'WebiOS'.
19. Text Meaning Identification for Scientific articles using Data Mining.
20. Opinion Miner for E-documents.
21. Text Mining Using Indexing using Data Mining Techniques.
22. Job Recruitment Website using Data Mining Techniques.
23. Knowledge Discovery in Corporate E-mails using Data Mining Techniques.
24. Multi Hospital Availability and Management System using Data Mining Techniques.
25. Admission Software for K J Somaiya IEIT
26. Web Portal for Department of IT-Admin
27. Web Portal for Department of IT-Academics
28. The Saviour Bag-To save the lives from Accidental or Suicidal deaths.
29. KJSIEIT Accounts Section Data Analytics System.
30. Handwriting Recognition System-For correcting Answer sheets as an evaluator.

MEMBERSHIPS

1. LM-ISTE
2. MIET
3. Member-FIRE
4. MACS

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