**Faculty Name:** Mr. Talekar Sopan Ashok

**Highest Qualification:** M. Tech. (Computer Science & Engineering)

**Designation:** Assistant Professor

**Date of Joining the Institution:** 23/06/2005

**Email ID: talekar.sopan@kbtcoe.org**

**Mobile No.: 9834326156**

## Academic Qualification

| Degree | Institute Name | University Name | Year of Commencement | Year of Passing | Percentage | Grade | Qualification Status |
|---|---|---|---|---|---|---|---|
| Ph.D.(CSE) | P.D.A. College of Engineering | Visvesvaraya Technological University | 2015 | - | - | - | Thesis Submitted |
| M.Tech(CSE) | P.D.A. College of Engineering | Visvesvaraya Technological University | 2007 | 2010 | 8.52 | Distinction | Completed |
| BE(Computer Engineering) | PSGVPM's D. N. Patel College of Engineering | North Maharashtra University | 2000 | 2004 | 67.13 | Distinction | Completed |

## Subject Expertise

| | |
|---|---|
| Artificial Intelligence & Robotics | 04 |
| Smart System Design and Applications | 03 |
| Information and Cyber Security | 04 |
| Design and Analysis of Algorithm | 03 |
| Computer Network | 03 |
| Artificial Intelligence | 03 |
| Computer Forensic and Cyber Applications | 03 |
| Mobile Computing | 02 |

## Training Programs Attended Details (08)

| Training Title | Arranged By | Venue | Date | Level (International/ National) | Category (Research/ Industry Interaction/ Quality Improvement Programs) | Type (External/ Internal) |
|---|---|---|---|---|---|---|
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| FDP/Workshop Topic | Conducted By | Location | Date | Level | Category | Type |
|---|---|---|---|---|---|---|
| Deep Learning Tools & Applications in Engineering & Science | School of Computer Engineering and Technology (SCET), MIT Academy of Engineering, Alandi(D.),Pune | Pune | 10/05/2021 to 15/05/2021 | National | Quality Improvement Programs | External |
| Cybersecurity and Blockchain Technology | Department of Information Technology, Sanjivani College of Engineering, Kopargaon, Maharashtra | Kopargaon | 22/04/2021 to 28/04/2021 | National | Quality Improvement Programs | External |
| Role of Teacher: To Boost Moral values, Ethics in Engineering Education System" | Department of Electronics & Telecommunication Engineering, MVPS's, KBT College of Engineering, Nashik | Nashik | 17th Dec. 2020 to 23rd Dec. 2020 | - | Quality Improvement Programs | Internal |
| Web technology & Services | Sumago Infotech | Nashik | 02-10 May | - | Quality Improvement Programs | External |
| Data Analytics using Python | MiTu Skillologies, Pune | Pune | 02/05/2018 to 06/05/2018 | - | Quality Improvement Programs | Internal |
| Automation using Internet of Things (IOT)" | PDA College of Engineering, Kalaburagi (Karnataka) | Kalaburagi | 23/01/2017 to 28/01/2017 | National | Quality Improvement Programs | External |
| Big Data & Hadoop (BDH)" | PDA College of Engineering, Kalaburagi, Karnataka | Kalaburagi | 29/02/2016 to 04/03/2016 | National | Quality Improvement Programs | External |
| Introduction to Design of Algorithms | IIT Kharagpur | NDMVP, KBT College of Engineering, Nashik | 25/05/2015 to 30/05/2015 | - | Quality Improvement Programs | Internal |

## FDP/Workshop/Seminar Attended (30)

| FDP/ Workshop Topic | Conducted By | Date | Level (International/ National) | Category (Research/ Industry Interaction/ Quality Improvement Programs) | Type (External/ Internal) |
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|---|---|---|---|---|---|
| Recent Trends in Computing | Sri Balaji College of Engineering and Technology, Jaipur. | 01/02/2022 to 05/02/2022 | National | Quality Improvement Programs | External |
| Deep Learning and Computer vision | Manipal University Jaipur | 03/01/2022 to 07/01/2022 | National | Quality Improvement Programs | External |
| Robotics and Artificial Intelligence | Manav Rachna International Institute of Research and Studies | 13/12/2021 to 17/12/2021 | National | Quality Improvement Programs | External |
| Artificial Intelligence Enabled Sensors and Networks for 5G Wireless | Mahendra Engineering College | 06/12/2021 to 10/12/2021 | National | Quality Improvement Programs | External |
| Artificial Intelligence | Sri Sairam Engineering College | 07/12/2020 to 11/12/2020 | National | Quality Improvement Programs | External |
| Blended Learning and Flipped Classroom | Sardar Vallabhbhai National Institute of Technology Surat. | 10/08/2020 to 14/08/2020 | National | Quality Improvement Programs | External |
| Inculcating Universal Human Values in Technical Education | All India Council for Technical Education (AICTE) | 23/07/2020 to 27/07/2020 | National | Quality Improvement Programs | External |
| FDP(201X) Pedagogy for Online Blended Teaching-Learning Process | IIT, Bombay | 14/09/2017 to 12/10/2017 | National | Quality Improvement Programs | External |
| FDP(101X) Foundation Program in ICT for Education | IIT, Bombay | 03/08/2017 to 07/09/2017 | National | Quality Improvement Programs | External |
| Social, Media, Analytics and Cloud | VIIT, Pune. | 26/04/2021 to 30/04/2021 | National | Quality Improvement Programs | External |
| Blockchain technology and its application | Wireless Inter Networking Group (WiNG) | 22/06/2020 to 24/06/2020 | National | Quality Improvement Programs | External |
| Innovative teaching pedagogy in the technical institutions | IQAC, MVPKBTCOE | 01/06/2020 to 05/06/2020 | National | Quality Improvement Programs | Internal |
| Climbing the Ladder of Education System through Innovation & E-Learning Tools | SVIT, Chincholi, Sinnar | 04/05/2020 to 09/05/2020 | National | Quality Improvement Programs | External |

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|---|---|---|---|---|---|
| Research methodology and Tools | Sandip Foundation's SITRC, Nashik | 11/05/2020 to 15/05/2020 | National | Quality Improvement Programs | External |
| Moodle | Sinhgad College of Engineering, Vadgaon | 04/05/2020 to 08/05/2020 | National | Quality Improvement Programs | External |
| Python Programming | JSPM's Rajarshi Shahu College of Engineering, Tathawade, Pune | 28/04/2020 to 03/05/2020 | National | Quality Improvement Programs | External |
| Python 3.4.3 | Dept. of Information Technology and Dept. of Computer Engineering, MET's Institute of Engineering, Nashik in association with Spoken Tutorial Project, IIT Bombay | 26/04/2020 to 30/04/2020 | National | Quality Improvement Programs | External |
| Data sciences | Shivaji University Kolhapur hosted by Dept, of IT, MVP Samaj's KBT COE, Nashik, FDC PMMNMTT | 04/11/2019 to 09/11/2019 | National | Quality Improvement Programs | External |
| Cyber Security | Shivaji University Kolhapur hosted by Dept, of Computer, MVP Samaj's KBT COE, Nashik, FDC PMMNMTT | 23/09/2019 to 28/09/2019 | National | Quality Improvement Programs | Internal |
| Linux | Teaching Learning Centre (ICT) at IIT Bombay funded by PMMMNMTT | 23/08/2019 | National | Quality Improvement Programs | External |
| Scilab | Teaching Learning Centre (ICT) at IIT Bombay funded by PMMMNMTT | 04/05/2019 | National | Quality Improvement Programs | External |
| Laboratory Practice III | KVN Naik SPS Loknete Gopinathji Munde IOE & R Nasik | 21/12/2018 to 22/12/2018 | - | Quality Improvement Programs | External |
| Python Programming | MVPS KBTCOE | 31/07/2018 to 01/08/2018 | - | Quality Improvement Programs | Internal |
| Accreditation and Outcome Based Learning | IIT Kharagpur | Aug-Oct 2019 | National | Quality Improvement Programs | External |

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|---|---|---|---|---|---|
| Emotional Intelligence | Deogiri Institute of Engineering and Management Studies, Aurangabad | 27/07/2018 to 28/07/2018 | National | Quality Improvement Programs | External |
| Machine Intelligence for Data Analysis Using Python | PDA College of Engineering, Kalaburagi, Karnataka | 04/04/2018 to 09/04/2018 | National | Quality Improvement Programs | External |
| Security in Embedded Systems and IOT | NDMVPS's KBT COE, Nasik | 27/02/2018 to 28/02/2018 | - | Quality Improvement Programs | Internal |
| Machine Learning using Python | MIT COE, Pune | 04/12/2017 to 09/12/2017 | National | Quality Improvement Programs | External |
| Advanced Java Training | NDMVPS's KBT COE, Nasik | 02/05/2017 to 07/05/2017 | - | Quality Improvement Programs | Internal |
| Latex | NDMVPS's KBT COE, Nasik | 08/03/2017 to 09/03/2017 | - | Quality Improvement Programs | Internal |

## FDP/Workshop/Seminar Organized (02)

| FDP/ Workshop Topic | Conducted By | Date | Level (International/ National) | Category (Research/ Industry Interaction/ Quality Improvement Programs) | Type (External/ Internal) |
|---|---|---|---|---|---|
| Cyber Security | Dept. of Computer Engineering, MVPS's KBTCOE, Nashik | 17/05/2021 to 19/05/2021 | National | Quality Improvement Programs | Internal |
| IOT Challenge 2020 | I3indya Technologies in association with Aakaar'20 IIT Bombay | 18/01/2020 to 19/01/2020 | - | Quality Improvement Programs | Internal |

## Expert Talks Delivered (13)

| Expert Talk Topic | Conducted By | Date | Level (International/ National) | Category (Research/ Industry Interaction/ Quality Improvement Programs) | Type (External/ Internal) |
|---|---|---|---|---|---|
| Introduction to Cyber Security | MVP Samaj's CMCS College Nashik | 23/12/2021 | | | External |

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|---|---|---|---|---|---|
| Artificial Intelligence Techniques | Civil Engineering of MVPS's KBTCOE, Nashik | 15/12/2021 | | | External |
| Cyber Security | MVP Samaj's CMCS College Nashik | 10/07/2021 | | | External |
| Case study: Artificial Intelligence in product design | MVPS's Architecture College, Nashik | 08/04/2021 & 15/04/2021 | | | External |
| Cyber Security | MVP Samaj's CMCS College Nashik | 03/04/2021 | | | External |
| Computer Networks | MCERC Eklahare, Nasik | 21/12/2020 | | | External |
| WordPress and Google Classroom | Instrumentation & Control Department of KBTCOE, Nashik | 23/01/2020 | | | External |
| Cyber Security | MVP Samaj's CMCS College Nashik | 18/10/2019 | | | External |
| Lab Practice I | Sandip Foundation's SITRC, Nasik | 28/09/2018 | | | External |
| Artificial Intelligence Techniques | E&TC, NDMVP KBT COE, Nasik | 09/07/2018 | | | External |
| Artificial Intelligence Techniques | Civil, NDMVP KBT COE, Nasik | 26/03/2018 | | | External |
| Computer Forensic & Cyber Applications | Computer Engineering,M CERC Eklahare, Nasik | 29/07/2016 | | | External |
| Artificial intelligence | Sandip Foundation's, SITRC &SIEM, Nasik | 23/09/2013 | | | |

## International/ National Conference Attended Details (16)

| Name | Paper Title | Venue | Date | Level (International/ National) | Category (Research/ Industry Interaction/ Quality Improvement Programs) | Type (External/ Internal) | Sponso red By |
|---|---|---|---|---|---|---|---|
| 4th IEEE International conference on "Computational Systems and Information Technology for Sustainable Solutions[CSITSS 2019] | Reinforcement Learning Based Channel Selection for Design of Routing Protocol in Cognitive Radio Networks | RV College of Engineeri ng, Bengalur u | 20-21 Dec. 2019 | International | Quality Improvement Programs | External | IEEE |
| International Conference in Emerging Trends in Science, Technology and Management-2013 (ICETSTM-2013) | Cryptostego: Secure Transmission | Singapor e | 21-22 April 2013 | International | Quality Improvement Programs | External | |
| International Conference in Emerging Trends in Science, Technology and Management-2013 (ICETSTM-2013) | Thematic object detection using object recognition algorithm | Singapor e | 21-22 April 2013 | International | Quality Improvement Programs | External | |
| International Conference ICWET 2011 | Intelligent Network Sniffer: A Data Mining Approach | Thakur College of Engineerin g, Kandivali (E), Mumbai | 25-26 Feb 2011 | International | Quality Improvement Programs | External | ACM |
| International Conference on Computer Science and Information Technology COSIT-2011 | Steganography Using Version Control System | Royal Orchid Central, Bangalore | 02-04 Jan 2011 | International | Quality Improvement Programs | External | ACM |
| International Conference ICWET 2010 | B.W. Estimation with RTS/CTS mechanism for IEEE 802.11 Ad-hoc Networks using Cross Layer Design (CLD) | Thakur College of Engineerin g, Kandivali (E), Mumbai | 26-27 Feb 2010 | International | Quality Improvement Programs | External | |
| International Conference on Science, Engineering & spirituality ICSES'10 | Towards More Secure and Effective Cloud Computing Environment | SES College of Engineerin g, Navalnaga r, Dhule, Maharasht ra | 01-02 April 2010 | International | Quality Improvement Programs | External | |

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|---|---|---|---|---|---|---|---|
| International Conference on Intelligent Systems & Networks (IISN-2007) | Distributed Data Mining on Data Grid Platforms | Maharaja Agrasen Institute of Management & Technology, Jagadhri, Haryana | 23-25 Feb.2007 | International | Quality Improvement Programs | External | |
| Recent Innovations in science, Engineering & Technology (NCRIEST) | Smart tool dispenser machine using AI & IOT | Sandip Institute of Engineering and Management, Nasik | 15-16 April 2019 | National | Quality Improvement Programs | External | |
| Advanced Computing and Data Processing (ACDP-2k19) | Smart tool dispenser machine using AI & IOT | SVIT, Chincholi, Nasik | 12-13 Feb 2019 | National | Quality Improvement Programs | External | |
| Communication Computation & Cyber Security –c3 2017 | Comparative analysis of AODV & WCETT routing protocols in Cognitive Radio Network | N.B. Navale Sinhgad College of Engineering, Solapur | 09-10 March 2017 | National | Quality Improvement Programs | External | |
| Innovations and Trends In Computer and Communication Engineering for Sustainable Individual Growth" ITCCE-2016 | Traffic Management System | MET's Institute of Engineering, Nasik | 26-28 Dec 2016 | National | Quality Improvement Programs | External | |
| Innovations and Trends In Computer and Communication Engineering for Sustainable Individual Growth" ITCCE-2016 | ANPR System using OCR technique | MET's Institute of Engineering, Nasik | 26-28 Dec 2016 | National | Quality Improvement Programs | External | |
| National Conference on Futuristic Computing Applications & Machine Learning | Smart Shop with NFC | MIT Academy of Engineering, Pune | 30 Jan. 2015 | National | Quality Improvement Programs | External | |
| National Conference on Emerging Trends in Computer Technology TechMeet'10' | Animation System | J.T. Mahajan College of Engineering, Jalgaon | 04-05 March 2010 | National | Quality Improvement Programs | External | |
| National Conference on Emerging Technologies & Applications (ETA-2005) | Debugging Support for Aspect Oriented program based On Program Slicing & Call Graph | Saurashtra University, Rajkot | 01-02 Oct. 2005 | National | Quality Improvement Programs | External | |

# Research Papers Published in Peer Reviewed Journals (09)

| ISSN/ISBN No. | Paper Title | Publish Date | Journal Name | Level (International/ National) | Paper Status | Authors |
|---|---|---|---|---|---|---|
| ISSN: 1941-6237\|EISSN: 1941-6245 | Cooperative Channel Selection With Q-Reinforcement Learning and Power Distribution in Cognitive Radio Networks | Oct 2021 | International Journal of Ambient Computing and Intelligence (IJACI) | International | Published | Mr. Sopan Talekar and Dr. Sujata Terdal |
| ISSN:2581-9429 | IOT Based Fire Detection System | Jul 2021 | International Journal of Advanced Research in Science, Communication and Technology (IJARSCT | International | Published | Rashmi Vinod Patil , Sayali Fakira Jadhav , Kaveri Sitaram Kapse, Prof. M. B. Thombare, Prof. S. A. Talekar |
| ISSN:2347-2693 | Design of Chabot System for College Website | Jul 2021 | International Journal of Computer Sciences and Engineering | International | Published | Shivani Pravin Rashinkar, Neha Dilip Wanjol, Shivani Nandkumar Rane, Pushkar P. Shinde, Sopan A. Talekar |
| ISSN:1305-3515 | SMART PLIGRIM CENTER: IOT BASED SECURITY SYSTEM AT PLIGRIM CENTER | April 2021 | Journal of Online Engineering Education. Ilkogretim Online - Elementary Education Online. | International | Published | Bag, Vipul, Patil, Mithun, and Talekar |
| ISBN:973-93-80901-20-7 | Impact of Packet Size on the Performance Evaluation of Routing Protocols in Cognitive Radio Networks | July 2020 | International Journal of Computer Applications | International | Published | Sopan Talekar and Sujatha Terdal |
| ISSN: 2319-6319 | Design of Chatbot System for Student Counselling | April 2020 | International Journal of New Innovations in Engineering and Technology | International | Published | Sarang Balkrushna Sonawane, Asmita Sanjay Badwar, Rutuja Hemant Dalvi, Gaurav Nandakishore More, Sopan A. Talekar |

| ISBN | | | | | | |
|---|---|---|---|---|---|---|
| 978-1-7281-2619-7 | Reinforcement Learning Based Channel Selection for Design of Routing Protocol in Cognitive Radio Networks | March 2020 | IEEE Xplore | International | Published | S. Talekar and S. Terdal |
| 973-93-80898-97-5 | Comparative Analysis of Stock Market Prediction System using SVM and ANN | July 2018 | International Journal of Computer Applications (IJCA) | International | Published | Himanshu Shrimalve & Sopan Talekar |
| To be applied | Decision Support System for Investment in Stock Market using OAA-SVM | June 2018 | MVP Journal of Engineering Sciences | International | Published | Himanshu Shrimalve, Shreya Sulakhe, Madhavi Sontakke, Mayuri Thakare and Sopan Talekar |

## Professional Membership Details

| Membership Body | Details | Duration | Level (International/ National) |
|---|---|---|---|
| ISTE | LM53534 | Lifetime | National |
| IEI | AM098318-5 | Lifetime | National |

## Books Published

| ISBN | Title | Publisher | Publish Year |
|---|---|---|---|
| 978-8184076431 | Artificial Intelligence | Tech-Max | 2013 |
| 978-93-5077-092-4 | Artificial Intelligence | Tech-Max | 2012 |

**Awards Received:**

The prestigious "**Promising Engineer Award-2013**" by The Institution of Engineers (India), Nashik Local Centre for the year 2013 awarded on 26 Oct. 2013

**Responsibilities held Under SPPU, Pune:** (Count with Details)
- CAP Director

- Member of University LIC committee (03)
- Member of University UGC Interview committee (01)
- Senior supervisor (External and Internal) (04)
- Paper setter and examiner (01)

**Specific Achievements:**

**Title of the invention:** HIERARCHICAL REINFORCEMENT LEARNING BASED CHANNEL SELECTION FOR ROUTING IN COGNITIVE RADIO NETWORKS
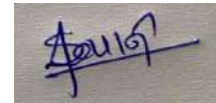- Application No.202121041549 A
- Publication Date :29/10/2021

**Any Other:** (With Details)

## Declaration

I hereby declare that all the above information furnished by me are true to the best of my knowledge.

Date:  08/03/20222

Talekar Sopan Ashok