

Tushar B. Kute

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Academic Records :

Qualification	University / Board
PhD. Computer Engg, (Pursuing)	VIT, Savitribai Phule Pune University, Pune.
M.E. Computer Science and Engineering	MIT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
B.E. Computer Engineering	COEP, University of Pune
Diploma in Computer Engineering	M. S. B. T. E., Mumbai

Other Qualifications :

Qualification	University / Board
Bachelor of Journalism	Tilak Maharashtra University, Pune
Diploma in Urdu Language	National Council for Promotion of Urdu Language, New Delhi
Certificate Course in Urdu	Jamia Millia Islamia, New Delhi
Advanced Diploma in Hindi	Central Hindi Directorate, New Delhi

Experience: **20 Years.**

Current position:

- Working as Data Scientist and Researcher in **MITU Research, Pune.**
- Technical Trainer in **MITU Skillologies, Pune.**
- Chief panel of editors and author at **Prakrut Prakashan, Pune.**

- **Data Science Training Batches Conducted @ MITU Skillologies: 36**
- **Computational Linguistics Batches Conducted @ Deccan College: 07**
- **Computational Linguistics Advanced Batches Conducted @ Deccan College: 01**

Other Experience :

- Notable Corporate Training Conducted:
 1. Tata Motors, Pune: Data Analytics
 2. Credenca Data Solutions, Pune: Data Sciences
 3. Kalyani Technoforge, Pune: Artificial Intelligence
 4. Kalyani Transmission Technologies, Khed: Artificial Intelligence
 5. Kalyani Technoforge, Ranjangaon: Artificial Intelligence
 6. Inmate Technologies, Jejuri : Artificial Intelligence
 7. Focus Forward Solutions, Pune: Python Programming
- International Training at CDAC:
 1. Faculty Development Program on “Big Data Technologies”, conducted for faculties of various universities in Myanmar, July-August 2023.
- Visiting faculty at “Maharashtra State Skills University”, A Government of Maharashtra University for subject “Pattern Recognition”.
- Visiting faculty for professional technical courses conducted at “Center for Development of Advanced Computing (C-DAC)”:
 1. PGBDA : Big Data Technologies (at Know-IT), August 2022
 2. PGDAI : Natural Language Processing (at CDAC-ACTS), December 2022
 3. PGBDA : Big Data Technologies (at Know-IT), January 2023
 4. PGDAC : Database Management Systems (at CDAC-ACTS), March-April 2023
 5. PGDHPCAP : Programming Concepts (at CDAC-ACTS), March 2023
 6. PGBDA : Database Management Systems (at CDAC-ACTS), April-May 2023
 7. PGDAI : Natural Language Processing and Computer Vision (at CDAC-ACTS), June-July 2023
 8. PGDAC : Database Management Systems (at CDAC-ACTS), March-Sept-Oct 2023
 9. PGDIOT : Database Management Systems (at CDAC-ACTS), March-October 2023
 10. PGDAC : Algorithms and Data Structures (at CDAC-ACTS), October-November 2023
 11. PGDUASP : Data Analytics and Visualization at CDAC-ACTS), October-November 2023
 12. PGDAI : Natural Language Processing and Computer Vision (at CDAC-ACTS), December 2023
 13. PGDUASP : Computer Vision at CDAC-ACTS, January 2024.
 14. PGDUASP : Data Analytics and Visualization at CDAC-ACTS, March-April 2024.
 15. PGDAC : Database Management Systems (at CDAC-ACTS), March-April 2024.
 16. PGDUASP : Computer Vision at CDAC-ACTS, May-June 2024.
 17. PGDAI : Natural Language Processing and Computer Vision (at CDAC-ACTS), June 2024.
 18. Certificate Course on AI-ML for DRDO Officials at CDAC, July 2024.
 19. Refresher Course on Data Science for CDAC officials at CDAC, August 2024.

20. PGDAI : Natural Language Processing and Computer Vision (at CDAC-ACTS), December 2024
21. PGDUASP : Computer Vision at CDAC-ACTS, November 2024.
22. PGDUASP : Data Analytics and Visualization at CDAC-ACTS, September 2024.
23. PGDHPCAP : Numerical Methods at CDAC-ACTS, December 2024.
24. Certificate Course on AI-ML for DRDO Officials at CDAC, January 2025.

- Visiting faculty at MIT Academy of Engineering, Alandi, Dist. Pune. (2016-2021)
Subjects:
 1. Python Programming
 2. Android Development
 3. Internet of Things [F. Y. M.Tech.]
 4. Big Data Analytics [S. Y. M.Tech.]
 5. Machine Learning [T. Y. B.Tech]
 6. Advanced Java Programming [Final Year B.Tech.]
 7. Object Oriented Programming [T.Y. B.Tech]
- Visiting Faculty (Academic year 2024-25)
 1. COEP Tech University (Unitary University of Maharashtra)
Subject: Mathematics for Data Science
 2. Keystone School of Engineering, Pune
Subject: Data Science and Visualization.
- Visiting Faculty (Academic year 2022-23)
 1. Institute of Industrial and Computer Management and Research, Pune
Subject: Artificial Intelligence, Deep Learning
 2. Alard Institute of Management Sciences, Pune
Subject: Artificial Intelligence, Deep Learning
- Visiting Faculty (Academic year 2021-22)
 1. Army Institute of Technology, Dighi, Pune
Subject: Machine Learning
 2. AISSMS's Institute of Information Technology, Pune
Computer Engineering: Data Science and Visualization
 3. IIEBM Indus Business School
Subject: Internet of Things (PGDERP)
- Visiting Faculty (Academic year 2020-21)
 1. Pimpri Chinchwad College of Engineering, Pune (Department of MCA)
Subject: Big Data Analytics
 2. IIEBM Indus Business School
Subject: Current Trends in Management (PGDBM)
Subject: Internet of Things (PGDERP)
 3. Symbiosis Skills and Professional University, Pune
Subject: R Programming (PGDS)
- Worked as Assistant Professor in Sandip Institute of Technology and Research Centre, Nashik in I. T. Department.
- Worked as Lecturer in K. K. Wagh Polytechnic, Nashik in I. T. Department.

- Course Designer and Instructor: Urdu Language Learning Course, Maharashtra Intelligence Academy, Wanwadi, Pune.
- Taught B.E. Honors course of Savitribai Phule Pune University at
 1. Pimpri Chinchwad College of Engineering and Research, Pune.
 1. Computer Engineering: Data Science and Visualization
 2. E&TC: Embedded Systems and IOT
 2. AISSMS Institute of Information Technology, Pune.
 1. Computer Engineering: Data Science and Visualization
 2. Machine Learning.
 3. RMD Sinhgad College of Engineering, Pune
 1. Computer Engineering: Data Science and Visualization
 4. Modern College of Engineering, Pune
 1. Artificial Intelligence
 2. Soft Computing and Deep Learning
 5. Dr. D.Y. Patil Institute of Engineering Management and Research, Pune
 1. Statistics and Machine Learning
 2. Artificial Intelligence
 3. Soft Computing and Deep Learning
 4. Machine Learning
 6. Matoshri College of Engineering and Research, Nashik
 1. Soft Computing and Deep Learning
- Adjunct Faculty:
 1. Pimpri Chinchwad College of Engineering and Research, Pune.
 2. Dr. D. Y. Patil University, Ambi, Pune.
 3. RMD Sinhgad School of Engineering, Warje, Pune.
 4. Shri Sant Gajanan Maharaj College of Engineering, Shegaon.
 5. Symbiosis Institute of Management Studies, Khadki, Pune.
- Industrial Advisory Board Member:
 1. Modern Institute of Business Studies, Pune
 2. Vishwakarma Institute of Information Technology, Pune.
 3. AISSMS, Instt. of Information Technology, Pune.
 4. Nutan Maharashtra IET, Talegaon Dabhade.
 5. Suman Ramesh Tulsiani Technical Campus, Khamshet, Pune.
 6. Trinity College of Engineering and Research, Kondhwa, Pune.
- Board of Studies:
 1. AISSMS's Institute of Information Technology, Pune.
 2. Modern Institute of Business Studies, Pune.
 3. Pratibha College of Arts, Commerce and Science, Pune.
 4. Institute of Management and Career Courses, Pune.
 5. Member of Course Development Committee for the Course AI and ANN at SNJB's Late Sau. KBJCOE, Chandwad, Nashik.

Areas of research:

- Artificial Intelligence, Data Science, Machine Learning
- Big Data Technologies
- Internet of Things
- Linux administration and Kernel development

Technical Proficiency:

- Programming: C, C++, Java, Python, Haskell, R, Scala.
- Platforms: Ubuntu Linux, Linux Mint, Kali Linux, Ubuntu Server, Android.
- Database: MySQL, SQLite, MongoDB, HiveQL, Cassandra, HBase.
- Web Development: HTML, CSS, PHP, JavaScript, AngularJS, Bootstrap, Flask.
- Big Data: Apache Hadoop, Apache Mahout, Apache Pig, Apache Spark.
- Hardware: Raspberry Pi, Arduino, NodeMCU.
- Content Management System: Wordpress, Drupal, Moodle.
- Scripting: Ruby, Shell Scripting.
- Testing: Selenium

Books Written:

- [“Core Java Programming: A Practical Approach”](#) published by Laxmi Publications, New Delhi, First Edition, April 2016, ISBN- 978-93-83828-29-6. *The book is added to ACM digital library.*
- [“बिट्स अँड बाइट्स \(Bits and Bytes - Marathi\)”](#) published by Nitin Prakashan, Pune, First Edition, Feb 2012, ISBN- 81-8447-05-9. *Highest Number of reviews on bookganga.com*
- [“Python Programming \(पायथॉन प्रोग्रॅमिंग\) Marathi”](#) ebook published by Skillologies Knowledge Series, First Edition September 2020, ISBN: 978-93-5408-687-8. *This is the first Marathi e-book on Python Programming*
- [“Python Programming \(पायथॉन प्रोग्रॅमिंग\) Marathi”](#) book published by Prakrut Prakashan, Pune, First Edition September 2022, ISBN: 978-81-953216-4-3. *This is the first Marathi book on Python Programming.*
- Editor of book [“Python Programming: A Practical Approach”](#) ebook wrote by Rashmi Thorave published by Skillologies Knowledge Series, First Edition January 2021, ISBN: 978-93-5416-528-3.
- [“Google Ani Marathi”](#) (Marathi Book) published by Prakrut Prakashan, Pune, First Edition, February 2023, ISBN: 978-93-549334-0-0

Technical Papers (Conference):

- 'Linux Kernel Bug Testing Using Static Code Analysis Technique' at 'Third International Conference on Advances in Cloud Computing, Pune, ISBN: 978-1-63102-501-3, Page 25-30, Oct 2014.
- 'USB Storage Device Control in Linux' at 'Fourth International Conference on Computational Science, Engineering and Information Technology’ organized by AIT, Pune. ISBN-978-1-921987-10-6 pp. 25-29 DOI: 10.5121/csit.2014.4804.
- 'Usability of Debian Linux Distributions' at 'International Conference of Commerce, Management, Engineering and Social Sciences: Prospects and Challenges', Jaipur, May 2014.

- 'Linux USB Storage Device Management' at International Conference on Innovative Challenges and Strategies in Commerce, Trade and Social Sciences Innovations, Changes and Challenges in Management, Engineering and Technology, Goa, June 2014.
- 'Wireless Security Alarm System for Smoke Detection with Temperature Monitoring', 2nd International Conference on Recent Trends in Engineering Sciences 2014, ISBN- 978-93-5107-223-2.
- 'Automated Profile Changing and Mobile Monitoring System', 1st International Conference on Recent Trends in Engineering Sciences 2013, ISBN- 978-93-5107-174-7.
- 'Real Time Malware Defense System', 1st International Conference on Recent Trends in Engineering Sciences 2013, ISBN- 978-93-5107-174-7.
- 'Nano Technology', Presented in 'Chrysalis' at Pune Institute of Engineering and Technology, Pune in 2004.

Technical Papers (Journal):

- Challenges and Opportunities in Brahmi Script Recognition using Artificial Intelligence. International Journal of Intelligent Systems and Applications in Engineering, 12(3), 2400–2414, Vol. 12 No. 3 (2024)
- Neural Network Based Detection of Driver's Drowsiness, June 2021, techrxiv.org
- A ESP BASED SMART DEVICE FOR WOMEN SAFETY USING IOT, International Research Journal of Modernization in Engineering Technology and Science, Volume:02/Issue:09/September -2020, e-ISSN: 2582-5208, Page 1514-1517.
- ATM SURVEILLANCE & SECURITY USING IMAGE PROCESSING, International Research Journal of Modernization in Engineering Technology and Science, Volume:02/Issue:07/July-2020, e-ISSN: 2582-5208, Page 844-848.
- Ad-Click Prediction using Prediction Algorithm: Machine Learning Approach, International Research Journal of Engineering and Technology(IRJET), Volume: 07 | Issue: 01 | January 2020, e-ISSN: 2395-0056, Pages 1214-1217
- Performance Evaluation Of Algorithms For Gender Classification, International Journal of Engineering Applied Sciences and Technology, Vol. 4, Issue 11, March 2020, ISSN No. 2455-2143, Pages 568-573,
- Malicious URL's Detection using Machine Learning, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, Volume 6, Issue 3, Pages 142 - 147, ISSN: 2349-6002, August 2019
- Depression Detection using Sentiment Analysis, International Journal for Scientific Research & Development, Volume 7, Issue 6, Pages 594-597, ISSN (online): 2321-0613, July 2019
- "IOT Based Real-Time Water Quality Monitoring and Reporting", International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056, Volume: 06 Issue: 03, Mar 2019
- "Smart Stress Detection System", International Journal of Trend in Research and Development, Volume 6(2), ISSN: 2394-9333, Pages 316-318, Mar-April 2019

- “Real Time Malware Defense System”, Spvryan's International Journal of Engineering Sciences & Technology (SEST), ISSN : 2394-0905, Issue-1, Volume-2, Paper 27, February 2016.
- “Location Based Profile Changing And Automated Mobile Monitoring System”, Spvryan's International Journal of Engineering Sciences & Technology (SEST), ISSN : 2394-0905, Issue-1, Volume-2, Paper 26, February 2016.
- “RPC Based Online Test Module”, International Journal of Science Technology and Engineering (IJSTE), ISSN: 2349-784X (online), Volume 1, Issue 11, Pages 459-463, May 2015.
- “Online Examination System using Command Line Interface”, International Journal of Computer Science Engineering and Technology, ISSN: 2231-0711, Volume 5, Issue 6, Pages 142-145, June 2015.
- “Usability of Debian Linux Distributions” is published in “International Journal of Multidisciplinary Research (IJMR)” ISSN: 2277-9302, Vol.III, Issue 3 (II), June 2014.
- “Linux USB Storage Device Management” is published in “International Journal of Advances in Management, Technology and Engineering Sciences (IJAMTES)” ISSN: 2249-7455, Vol.III, Issue 9 (III), June 2014.
- “Portable Storage Device Management in Linux” is published in “Computer Science and Engineering an International Journal (CSEIJ)” ISSN: 2231-5403, Vol.4, No. 4, August 2014 DOI: 10.5121/cseij.2014.4401.
- “Agro-escalation Android-web architecture” is published in Elixir International Journal. November 2014, 76 (2014) 28582-28585 ISSN: 2229-712X.

Projects Carried:

Sr. No.	Project Name	Technology	Platform
1	Storage Device detection in distributed system	C	Linux
2	Machine Learning Techniques to improve Linux Process Scheduling (ME Project)	C	Linux
3	USB Storage Device Control in Linux	C	Linux
4	Command Line based on-line test module	C	Linux
5	IPTV (Final year BE Project)	VC++	Windows
6	Game of “Kaun Banega Crorepati”.	VB and C	Windows
7	Air India reservation system (Diploma Project)	C	Windows

Training Programs and Expert Seminars conducted:

Check Appendix I.

Online Training Programs and FDP conducted:

Check Appendix II.

Online Seminars conducted:

Check Appendix III.

Training Programs and Workshops attended:

Sr. No.	Program Name	Days	Venue
1	One week online Workshop on "Research Proposals, Publications and IPR"	05	DYPIEMR, Pune
2	AICTE-ATAL 1 Week FDP on "Evolution of Embedded System in Artificial Intelligence of Things: ES-AIOT" (09/10/2023 to 14/10/2023) No: ATAL/2023/1696510858	06	VIT, Pune
3	ISTE Approved Programme on "Recent Trends in Data Science" (27/02/2023 – 04/03/2023)	05	CCOEW, Pune
4	One week Faculty Development Programme on "Data Science and Artificial Intelligence" (26/07/2021 – 30/07/2021) No. BJLIRG-CE000112	05	MMCOE, Pune
5	AICTE-ATAL 1 Week Online Advanced FDP on "Machine Learning and Computer Vision" (05/07/21 to 09/07/21) No:ATAL/2021/1620722431	05	VFSTRU
6	9-Day National Level Online Faculty Development Program on "Foregrounding the Spectrum of Character Building in Modern Human Life"	09	BITS, Warangal
7	Spoken Tutorial Training Program on Ruby (01/05/2021-07/05/2021)	07	IIT Bombay
8	Spoken Tutorial Training Program on R (01/05/2021-10/05/2021)	10	IIT Bombay
9	AICTE-ATAL 1 Week Online Elementary FDP on "Artificial Intelligence and its Applications" (07/06/21 to 11/06/21) No:ATAL/2021/1620722431	05	GCOE, Nagpur
10	AICTE-ATAL 1 Week Online FDP on	05	IEM

	“Emerging Trends in the field of Artificial Intelligence and Machine Learning Applications” (14/06/21 to 18/06/21) No:ATAL/2021/1620722431		
11	Two days workshop on “Foundations of AR/VR – A Practical Approach” 21 and 22 June 2021	02	SREC, Coimbatore
12	Five Days State Level FDP on “Social Media, Analytics and Cloud” (26 to 30 th April 2021)	05	VIIT, Pune
13	AICTE-ISTE Sponsored STTP on “Integrating Internet of Things with FPGA and SOC” (19 to 24 April 2021)	05	CMREC, Hyderabad
14	Dept. of Biotechnology, GOI Sponsored STTP on “Data Science and Statistical Applications” (15 – 22 March 21)	06	Bharathiyar University, Coimbatore
15	One Week FDP on “Advances in Manufacturing and Materials” (20 to 24 April 2021)	05	DYPCOET, Kolhapur
16	AICTE-ISTE Approved Orientation/ Refresher Program on “Recent Developments in AI and Robotics” (22 to 27 March 2021)	06	BFCOET, Bathinda
17	STTP on “Artificial Intelligence: Techniques and Applications” (5 to 9 th April 2021)	05	SVPIT, Vasad
18	AICTE Sponsored Short Term Training Program (STTP) - PHASE - II on “IoT Simulation by Fog Computing and Edge Computing using Open-source Tools” (22 to 27 March 2021)	06	KITS, Warangal
19	TEQIP-III Sponsored Three day Short Term Training Programme On “Microwave Passive Circuits and Antennas: Design, Simulation and Measurements” (25-27/03/2021)	03	RCPIT, Shirpur
20	5-day National Workshop on “Data Science and Advanced Computing” 13 th - 14 th March 2021 (Level-I) and 19 th -21 st March 2021 (Level-II)	05	VIT-AP University
21	One Week Online Faculty –Student Development Programme Education and	06	VPM, Vaijapur

	Development Under UGC Scheme, STRIDE Component – I (Research Capacity Building) (08/03/21-13/03/21) Certificate No: VPMV/FDP/ 277		
22	TEQIP-III Sponsored Two Days FDP on “Applications of Statistics on Data Analysis”, (17-18 March 2021)	02	CIOT, Coimbtore
23	A Short Term Training Programme on “Recent Advances in Industrial Robotics & Applications” (08/03/21-13/03/21)	06	SRCOE, Pune
24	AICTE-ATAL 1 Week Online FDP on “Visual Communication” (01/03/21 to 05/03/21) No:ATAL/2021/1613394516	05	SREC
25	National Level Five Days FDP on “Material Characterization Techniques” under DBT-Star College Scheme (02/03/2021-06/03/2021)	06	BVC, Secunderabad
26	International Workshop on “Recent Trends in Applied Mathematics and Research Methodology” (4/3/2021-5/3/2021)	02	Govt MGM PG College, Itarasi
27	STTP on Big Data Analytics in Genetics (22 nd to 27 th February 2021)	06	SRM IST, Kattamkulathur
28	AICTE-ATAL 1 Week Online FDP on “AI Applications” (22/02/21 to 26/02/21) No:ATAL/2021/1611854837	05	GEC, Bhuj
29	FDP on Research Publication (25/02/21 to 26/02/21)	02	SKN SITS, Lonawala
30	AICTE-ISTE Sponsored Induction / Refresher FDP on “Internet of Things – Vision Phase-I” (19 to 25 February 2021)	06	MNGPC, Puducherry
32	AICTE Funded STTP on “Digital Skills Development for Professionals” (8 to 13 th February 2021)	06	BSIOTR, Pune
32	FDP on Faster Finance Series 1 on “Corporate Governance” under NSDC (01/02/2021-10/02/2021) PIBM/NSDC/TP37272/2021/136	03	PIBM, Pune
33	FDP on Faster Finance Series 1 on “Case Study Methodology” under NSDC (01/02/2021-10/02/2021) PIBM/NSDC/TP37272/2021/27	03	PIBM, Pune

34	AICTE-ATAL 1 Week Online FDP on “Heritage Management” (08/02/2021-12/02/2021) No:ATAL/2021/1611854660	05	JCE, Assam
35	AICTE-ATAL 1 Week Online FDP on “Human Centered Computing” (01/02/2021-05/02/2021) No:ATAL/2021/1611854541	05	CMRIT, Bengaluru
36	AICTE-ATAL 1 Week Online FDP on “Data Sciences” (01/02/2021-05/02/2021) No:ATAL/2021/1611546865	05	SSRIT, Chennai
37	Five Days National Level Online Workshop on “Quantum Computing” (02/02/2021-06/02/2021)	05	KKWIEER, Nashik
38	AICTE-ATAL 1 Week Online FDP on “Immersive Virtual Reality” (11/01/2021-15/01/2021) No:ATAL/2021/1610104405	05	BMSCOE, Bengaluru
39	AICTE-ATAL 1 Week Online FDP on “Computer Science and Biology” (19/01/2021-23/01/2021) No:ATAL/2021/1610974438	05	MCE, Hassan
40	6 Days FDP on "Research at A Glance: Current Protocols" (18/01/2021-23/01/2021) Certificate ID: WVEPTM-CE000023	06	SIT, Lonawala
41	AICTE Sponsored STTP on “Cyber Security In Iot Enabled Smart Grid - Online Series – 3” (18/01/2021-23/01/2021)	06	TCE, Madurai
42	AICTE-ATAL 1 Week Online FDP “Technology Management” (04/01/2021-08/01/2021)	05	NIT, Jalandhar
43	One Week FDP on “Python with Data Structures for Databases, GUI Designing and Web Development“ (06/01/2021 to 12/01/2021)	06	SITS, Pune
44	AICTE-ATAL 1 Week Online FDP on “Artificial Intelligence” (21/12/2020-25/12/2020) No:ATAL/2020/1607017944	05	KIIT, Bhubaneshwar
45	AICTE Sponsored 1 Week Online FDP on “Robotics” (19/12/2020-24/12/2020) DKTE-TEI-STTP-AI&ML-52	06	DKTE, Ichalkaranji

46	AICTE-ATAL 1 Week Online FDP on “Robotics” (14/12/2020-18/12/2020) No:ATAL/2020/1607017797	05	RAIT, Navi Mumbai
47	One Week Online FDP on “Advanced Trends and Practices in IT” (08/12/2020-12/12/2020)	05	SAE, Pune
48	AICTE-ATAL 1 Week Online FDP on “Internet of Things” (07/12/2020-11/12/2020) No:ATAL/2020/1606876017	05	GCET, Coimbatore
49	AICTE Approved 1 Week Online STTP on “Information Security and Digital Forensics” (23 to 28/11/2020)	06	AIT, Pune
50	AICTE Approved 1 Week Online STTP on “Blockchain and It’s Applications” (23 to 28/11/2020)	06	DYPIT, Pune
51	AICTE-ATAL 1 Week Online FDP on “Augmented Reality and Virtual Reality” (30/11/2020-04/12/2020) No:ATAL/2020/1606378947	05	RAIT, Navi Mumbai
52	Online workshop on “Applications of Geogebra” (19/10/2020-21/10/2020)	03	MITAOE, Pune
53	Workshop on Hadoop Big Data Set (10/07/2015- 12/07/2015)	03	SITRC, Nashik.
54	Faculty Development Program on “Software Lab-III and Machine Learning” (03/07/2015)	01	SCOE, Pune.
55	Faculty development program on OSL (12/01/15)	01	PVG CoE, Pune
56	Workshop on Hadoop Big Data Set (09/10/2014- 13/10/2014)	05	SITRC, Nashik.
57	Workshop on “Revision of TE (IT-2012 course) Syllabus Structure. (07/03/2014)	01	SITS Narhe, Pune
58	Faculty development program on PAI and PIL (16/12/13)	01	MIT CoE, Pune
59	Faculty development program on CO (20/08/13)	01	RSCoE, Pune
60	Awareness for NBA accreditation (08/09/12-09/09/12)	02	SITRC, Nashik.
61	STTP Research Methodologies and Advances in Computer Science (30/04/14-05/05/14)	06	MIT Aurangabad
62	Faculty Development Program on	02	SCOE, Pune

	Distributed System and Information Retrieval (24/12/12-25/12/12)		
63	Workshop on J2EE Implementation & Design Pattern (21/01/12-22/01/12)	02	PCCoE Pune
64	Workshop on Scilab for Beginners (05/04/11-07/04/11)	03	SITRC, Nashik
65	Workshop on Discussion on conduction on of PIL for SEIT-2008 Course (15/01/10)	01	MIT Pune
66	Project Management with Software (MSBTE Sponsored) 14/09/09-18/09/09	05	CWIT, Pune

Under-Graduate Projects Guided:

Sr. No.	Project Name	Technology	Platform
1	Automated Detection of Chest Abnormalities through Chest Radiographs	Data Science	Linux
2	ATM surveillance system using image processing	IOT, Image Processing	Linux
3	Home Automation System using MQTT Protocol	IOT, Security	Linux
4	Prediction and Detection of Stress using Machine Learning and IOT	Data Science, IOT	Linux
5	IOT Based Real Time Water Quality Monitoring and Reporting	IOT	Linux
6	Institute Assistant	Web	Linux
7	Dynamic Speech Translation over Video Calls	Data Science, NLP	Linux
8	Automatic Solar Submersible Pump For Smart Drip Irrigation System	IOT	Linux
9	IoT Based Garbage Monitoring System	IoT	Linux
10	Power Supply Continuity Detector using IoT	IoT	Linux
11	Cloud based teaching using FreeBSD	Java, C	Linux, FreeBSD
12	Multi-boot ISO using USB Stick	C	Linux
13	Software Defined Networking for Linux Containers	C	Linux Server
14	Load Balancing using Process Migration for Linux Based Distributed System	C	Linux

15	Product Verification and Analysis using Raspberry Pi	Raspberry Pi, Python	Raspbian Linux
16	Linux Kernel Bug Testing Using Static Code Analysis Technique	C	Linux
17	'Krishi-SAHAYAK'-A Multipurpose Android Based Real Time Agriculture Help Andro-Web Architecture Using Content Based Image Processing	Android, Java, PHP	Android, Windows, Linux
18	Real Time Malware Detection System	Shell Script, C	Linux
19	Wireless Security Alarm System for Smoke Detection with Temperature Monitoring	Assembly, Embedded C	Windows
20	Automated Profile Changing and Mobile Monitoring System	Android, Java, PHP	Windows
21	Robot Teleoperation System Based on GPRS	Embedded C, J2ME	Windows
22	Software Load Balancing	Apache Tomcat	Linux
23	Coding for Cryptographic security Enhancement Using Stopping Sets	Java	Windows
24	Virtual OS: virtual Shell and Kernel	Java	Linux

International Certifications:

- Microsoft
 1. Microsoft Technology Associate, MTA 98-381, Basics of Python Programming, Certificate No. wNhCr-2FwT
 2. Google Python Certification, February 2023, through Coursera, <https://coursera.org/verify/VXZ327C5AFLQ>
 3. Python 101 for Data Science (PY0101EN) provided by IBM), Vefification link: <https://courses.cognitiveclass.ai/certificates/57c101eafef54ee798978c818b50c963>
- Udemy
 1. Introduction to Python Programming, February 2021
 2. Raspberry Pi Workshop: Become a coder / Maker / Inventor, February 2021
 3. AngularJS for Beginners, February 2021
 4. Cyber Security Course for Beginners Level 1, February 2021
 5. Machine Learning A-Z: Hands-on Python and R in Data Science
- Analytics Vidhya
 1. Introduction to Python, February 2021
- IIT BombayX
 - PYTHON101x: Basic Programming using Python, 31 May 2021

<https://certificate.iitbombayx.in/downloads/8f43095199e943c09d81724903e6d2fd/Certificate.pdf>

- Linux101.1x: Shell Programming - A necessity for all Programmers
<https://certificate.iitbombayx.in/downloads/54fde40d3f794086b4363c7a66b4c679/Certificate.pdf>
- NPTEL
 - Deep Learning (IIT Ropar), May 2023.
- KitFlix
 - Python Programming for Beginners: Quickly Learn Python
Certificate ID OXE5NE-CE000054
- Ethical Hacking
 - Ethical Hacking Certification from Stupid Skills (ISO 9001:2015 Company), Certificate ID: CEH1802214708

Learning Resources Development:

- Books wrote for –
 1. Karnataka State Open University
 - ➔ System Programming, BCA Fifth Semester.
 2. Yashwantrao Chavan Maharashtra Open University
 - ➔ Advanced Java Programming, BCA
 - ➔ Linux Administration, BCA
 - ➔ Operating System, BCA
- Developed a series of video tutorials on official channel of MITU Skillologies named '[Python in Marathi](#)'.
- Series of Video Tutorials on “Natural Language Processing” in Marathi on MITU Skillologies official YouTube channel.
- Series of Video Tutorials on “Learn Urdu through Marathi” on own YouTube channel.
- Designed the courses on wayoutcareers.in for online learning
 1. Coding for Kids
 2. Python Programming
 3. Java Programming
 4. Python Programming (in Hindi)
- Designed the online courses for MITU Skillologies
 1. Python Programming (15 Sessions)
 2. Java Programming (20 Sessions)
 3. Data Science (38 Sessions)
 4. Coding for Kids (35 Sessions)
 5. Python Web Development (20 Sessions)
 6. Python Selenium Development (20 Sessions)
 7. C Programming (15 Sessions)
 8. C++ Programming (15 Sessions)
 9. Python Network Programming (10 Sessions)
 10. Python Database Programming (8 Sessions)
 11. Python Flask Web Development (15 Sessions)
- The study material created for various technologies is now available at <https://mitu.co.in/downloads>

- Development of 'e-Library' at Information Technology department K. K. Wagh Polytechnic, Nashik.
- Translated the Charles Berry Townsend's English book, 'World's Toughest Puzzles' in Marathi.
- Developed the website on www.sites.google.com for students to get references and study material for various subjects for Diploma in Engineering: Computer Group.
- Written ebooks on 'Programming in C' and 'Advanced Java Programming' for diploma students. These are available for free download which has marked 50000 downloads till. The book of 'Advanced Java Programming' is added to one of most precious on-line library, 'Silverbox Library'.

Professional Member Ships:

- Association of Computing Machinery (No. 1129496)
- International Association of Engineers (No. 151275)
- International Association of Computer Science and Information Technology (No. 80350242)
- Asian Council of Science Editors (ACSE)
- Internet Society (No. 147592)
- Computer Society of India (No. 00174644)
- Linguistic Society of India (No. 09/09)
- Indian Society for Technical Education (No. LM74541)
- System Society of India (No. LM31228)
- Indian Physics Association (No. AM94)
- All India Council for Technical Skill Development (AICTSD/INDUSTRIAL PROFESSIONAL/76427)
- International Association of Academicians and Researchers (No. INAAR / 1686)
- International Institute of Organizational Research (I2OR/2020/00147)
- Alumni Association of College of Engineering Pune (LM002546)
- Vishwa Marathi Parishad (विश्व मराठी परिषद)
- Marathi Vidnyan Parishad (मराठी विज्ञान परिषद)

Editorial Board member:

- International Journal of Management, Sciences, Innovation, and Technology – IJMSIT <https://ijmsit.com/editorialboard>
- International Journal of Scientific and Engineering Research (IJSER) <http://ijser.org>
- International Journal for Science & Advance Research in Technology (IJSART) <http://ijsart.com>
- Advances in Engineering: An International Journal (ADEIJ) <http://airccse.com/adeij/index.html>
- International Journal of Microwave Engineering (JMICO), <http://airccse.com/jmicro/index.html>
- International Journal of Multidisciplinary Research and Modern Education (IJMRME) <http://rdmodernresearch.org>

- International Journal of Scientific Engineering and Technology (IJSET), <http://ijset.com/ijset>
- Global Research and Development Journals (GRD), <http://www.grdjournals.com>
- International Journal of Multidisciplinary Research and Publication (IJMRP) <https://journalijmrp.com>

Program committee member:

- 3rd International Conference on Bioinformatics and Bioscience (ICBB-2016), Vienna, Austria.
- International Conference on Software Engineering (SOFEA-2015), Dubai, UAE
- International Conference on Natural Language Processing (NATP 2015), Bangalore, INDIA
- Third International Conference on Information Technology in Education (ICITE 2015), Zurich, SWITZERLAND
- Fourth International Conference on Natural Language Processing (NLP-2015), Sydney, AUSTRALIA
- International Conference on Data Mining (DTMN 2015), Bangalore, INDIA
- International Conference on Signal and Image Processing (SIGPRO 2015), Bangalore, INDIA
- International Conference on Computer Science and Information Technology (CSIT-2014), Chennai, INDIA

Scholarships Granted:

- Obtained 17th rank in MSBTE Computer Engineering merit in May 2002.
- ‘Sir Ratan Tata Trust’, Mumbai’s Scholarship 2002.
- ‘Deccan Maratha Education Association, Pune’s Scholarship 2003.
- ‘Durga Devi Charitable Trust, Pune’s Scholarship 2003-04.
- ‘Town Hall Committee, Pune’s Scholarship 2004-05.
- ‘Pragat Maharashtra Fellowship Award’ for year 2004.

Awards:

- Awarded by Computer and IT Association of Maharashtra for excellent work in Linux, March 2014.
- Linux Foundation admired the work in the field of Linux in their issue September 2012.

Technical Blogs:

- Digital Locha <<http://digitallocha.blogspot.in>> a blog on concepts in digital electronics, programming, microprocessors and micro-controllers.
- Kyamputar <<http://kyamputar.blogspot.in>> a blog on programming concepts in computer science and information technology.

Competition:

- Winner of second rank in Marathi Essay Competition organized by Kusumagraj Marathi Vichar Manch, Nashik, February 2021
- Second rank holder of Monsoon Marathi Story Competition organized by Quora Marathi Online, July 2021.

Other Information:

- Online Certificate course on “3D Animation” using Blender from IITBombayX.
- Certificate course in Haskell Programming under NPTEL from IIT Bombay.
- Organizer for Spoken Tutorial project by IIT Bombay at Sandip Institute of Technology and Research Centre, Nashik.
- Wrote a fortnightly column of forts of Maharashtra in leading Marathi daily 'Divya Marathi', 'Daily Gavkari' and 'Saptahik Sakaal'.
- ISO certified academic auditor.
- Acted as Facilitator for Maharashtra State Certificate in Information Technology' examination of Nashik district.
- Worked as 'College Reporter' of COEP for daily 'Sakal'.
- Had written many articles in daily Marathi and English newspapers.
- Writing daily as well as weekly columns on technical articles named 'Bits and Bytes' and 'Information' in Marathi language in daily 'Gavakari'.
- Obtained second level certificate in Sanskrit language from Samskrita Bharati, Pune.
- Pursued certificate in Urdu language from Jamia Milia Islamia University, New Delhi.
- Achieved second rank in state level Indian Culture competition, organized by Vivekanand center.
- Cleared the intelligent test of 'Mensa, India' with 97 percentile.

Online Existence:

- LinkedIn : <https://www.linkedin.com/in/tusharkute>
- X : <https://twitter.com/TusharKute>
- Facebook : <https://facebook.com/tusharbkute>
- Blog : <https://tusharkute.net>
- Slideshare : <https://www.slideshare.net/tusharkute>
- YouTube : <https://www.youtube.com/MITUSkillologies>

Date: 23/01/2025

Place: Pune.

Tushar Bhagwan Kute

Appendix I

- Resource Person for AICTE ATAL Academy Sponsored FDP on “Decoding AI's Impact on Society” at AISSMS College of Engineering, Pune, January 2025.
- Resource Person for AICTE ATAL Academy Sponsored FDP on “AI/ML for Healthcare and IoT Applications” at Swami Ramanand Teerth Marathwada University, Nanded, January 2025.
- Resource Person for AICTE ATAL Academy Sponsored FDP on “AI, ML and DL in the Era of Data Revolution: Advancements and Applications” at NDMVP’s KDT College of Engineering, Nashik, December 2024.
- Resource Person for AICTE ATAL Academy Sponsored FDP on “AI, ML and DL in the Era of Data Revolution: Advancements and Applications” at NDMVP’s KDT College of Engineering, Nashik, December 2024.
- Expert Session in FDP on "LangChain Framework" at Bharati Vidyapeeth College of Engineering, Pune, October 2024.
- Expert Talk on “Artificial Intelligence” at Alard University, College of Engineering and Management, Pune, October 2024.
- Expert Lecture on "Industrial Automation using IoT" at K. K. Wagh Institute of Engineering Education and Research, Nashik, October 2024.
- Expert Session on "LangChain Framework" at AIDS Dept. SNJB's Late Sau. KBJCOE, Chandwad, October 2024.
- Expert Session on "IOT with AI:the Future of Intelligent Automation" at PES Modern College of Engineering, Pune, October 2024.
- Faculty Development Program on “Data Science” at IICMR, Pune, September 2024.
- Technical Session on “Project Opportunities in AI” at Pimpri Chinchwad College of Engineering, Pune, August 2024.
- Expert Talk on “Artificial Intelligence” in induction program at Alard University, College of Engineering and Management, Pune, August 2024.
- Student Training Program on “Deep Learning” at DVVP’s College of Engineering, Ahmednagar, August 2024.
- Expert Session on "IOT using Arduino" in Induction Program at Symbiosis Institute of Technology, Pune, August 2024.
- Student Training program on “Internet of Things using Raspberry Pi” at International Institute of Information Technology, Pune July 2024.
- Conducted 50 hrs training program on “Data Science Application Design” at MET, BKC’s Institute of Engineering, Nashik, July 2024.
- Expert Session on "Natural Language Processing" at Sandip Institute of Engineering and Management, May 2024.
- Internship Training Program on “Data Science” at Keystone School of Engineering, Pune, April 2024.
- Five days Training Program on “Data Science” at Pimpri Chinchwad College of Engineering and Research, Pune, March 2024.
- Five days Training Program on “Data Science” at Pune Institute of Computer Technology, Pune, March 2024.
- Two days training program on “Data Mining” at Pimpri Chinchwad College of Engineering, Pune, March 2024.

- Expert seminar on “Opportunities in Artificial Intelligence” at Modern Institute of Business Studies, Pune, February 2024.
- Expert Lecture on “Android App Development” at Pimpri Chinchwad Polytechnic, Pune, February 2024.
- Expert seminar on “Artificial Intelligence” at Modern College of Engineering, Pune (Mechanical), February 2024.
- Resource person for One Week ATAL FDP on “Artificial Intelligence and Machine Learning” at JSPM's JSCOE, Pune, February 2024.
- Expert seminar on “Artificial Intelligence” at Modern College of Engineering, Pune (IT), February 2024.
- Three days student training program on “Data Science” at MIT WPU School of Polytechnic, Pune, February 2024.
- Student training program on “Generative Adversarial Network” at Cummins College of Engineering for Women, Pune, February 2024.
- One day training program on “Object Oriented Programming using C++” at PVG’s College of Engineering and Technology, Pune, February 2024
- Six days hands-on training program on “Data Science and Machine Learning” at Walchand College of Engineering, Sangli, February 2024.
- Six days hands-on training program on “Artificial Intelligence and Machine Learning” at Sandip University, Nashik, February 2024.
- Five days training program on “Linux Administration and Development” at Pimpri Chinchwad College of Engineering, Pune, January 2024.
- Resource Person for ATAL academy sponsored Faculty Development Program on “Data Science” at Walchand College of Engineering, Sangli, December 2023.
- Resource Person for Faculty Development Program on “Industry 4.0” on topic “Research Opportunities in Data Science” at Keystone School of Engineering, Pune, December 2023.
- One week Faculty Development Program on “Data Science” at Institute of Management and Career Courses, Pune. December 2023.
- One day student training on “MySQL” at Pimpri Chinchwad College of Engineering, Pune, November 2023.
- Resource Person for seminar on “Data Science and Artificial Intelligence” at Modern Institute of Management Studies, Pune, October 2023.
- Guest Lecture on “Data Analytics and Artificial Intelligence” at Mechanical Department, Modern College of Engineering, Pune, October 2023.
- Expert Session on “Data Science and Artificial Intelligence” at IT Department, Modern College of Engineering, Pune, October 2023.
- Two days training program on “Deep Learning using Python” at Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar, October 2023.
- Five days practical training program on “Advanced Python Programming” at Indira College of Engineering and Management, Pune, October 2023.
- Three days practical training program on “Python Programming” at Pimpri Chinchwad Polytechnic, Pune, September 2023.
- Five days practical training program on “Advanced Python Programming” at Pimpri Chinchwad Polytechnic, Pune, September 2023.
- Five days practical training program on “Advanced Python Programming” at Indira College of Engineering and Management, Pune, September 2023.

- Ten days training program on “Data Science and Machine Learning” at Dr. D. Y. Patil School of Science and Technology, Pune, September-October 2023.
- Guest Lecture on “Operating System” at Rajarshi Shahu College of Engineering, Pune, September 2023.
- Three days student training program on “PowerBI” at Symbiosis School of Banking and Finance, Pune, August 2023.
- Three days student training program on “Data Analytics using Python” at Institute of Management and Career Courses, Pune, June 2023.
- Six days international certification based student training program on “Machine Learning using Python” at Sandip University, Nashik, May 2023.
- Four days student workshop on “Web development” at Pimpri Chinchwad Polytechnic, Pune, September 2022.
- Three days student workshop on “Internet of Things” at Pimpri Chinchwad Polytechnic, Pune, September 2022.
- Three days student workshop on “Python Programming” at Pimpri Chinchwad Polytechnic, Pune, December 2022.
- Four days student workshop on “Data Analytics using Python” at Symbiosis Institute of Banking and Finance, Lavale, Pune, December 2022.
- Five days student workshop on “Machine Learning” at Modern Education Society’s College of Engineering, Pune, February 2023.
- Five days student training program on “Dart Programming and Flutter” at Dr. D.Y. Patil International University, Pune, March 2022.
- Two days student workshop on “Artificial Intelligence in Healthcare” at Datta Meghe Medical College, Nagpur, July 2022.
- Two days student workshop on “Deep Learning” at Vithalrao Vikhe Patil College of Engineering, Ahmednagar, September 2022.
- One day student workshop on “Linux Administration” at RYK Science College, Nashik, December 2019.
- One day Faculty Development Program on “Machine Learning” at Rajarshi Shahu College of Engineering, Pune, December 2019.
- Expert Seminar on “Python Programming” at Sinhgad Institute of Management Computer Applications, Pune, November 2019.
- Three day Faculty Development Program on “Data Science” at Rajarshi Shahu College of Engineering, Pune, November 2019.
- One day Faculty Development Program on “Data Science” at JSPM’s Narhe Technical Campus, Pune, October 2019.
- Expert Seminar on “Machine Learning” at Bhivrabai Sawant College of Engineering and Research, Pune, October 2019.
- Expert Seminar on “Big Data Analytics” at Sinhgad College of Engineering, Pune, October 2019.
- Expert Seminar on “Internet of Things” at S. B. Patil College of Engineering, Indapur, Pune, October 2019.
- Two days Faculty Development Program on “IOT Data Analytics” at Pimpri Chinchwad College of Engineering, Pune, October 2019.
- Expert Seminar on “Machine Learning” at Bhivrabai Sawant College of Engineering and Research, Pune, October 2019.
- Three days Faculty Development Program on “Cyber Security” at Swami Ramanand Teerth Marathwada University, Nanded, September 2019.

- Two days student workshop on “Android App Development” at Pimpri Chinchwad Polytechnic, Pune, September 2019.
- Two days student workshop on “Internet of Things” at Marathwada Mitra Mandal’s College of Engineering, Pune, September 2019.
- Two days Faculty Development Program on “Machine Learning” at Swami Ramanand Teerth Marathwada University, Nanded, September 2019.
- Five days student workshop on “Linux Administration” at Pimpri Chinchwad College of Engineering, Pune, September 2019.
- Three days student workshop on “Java Programming” at Bharati Vidyapeeth’s College of Engineering for Women, Pune, August 2019.
- Expert Seminar on “Use of Computing in Research” at Deccan College Deemed University, Pune, August 2019.
- Two days student workshop on “Java Script” at Pimpri Chinchwad Polytechnic, Pune, August 2019.
- Expert Seminar on “Psychology in Programming” at Modern College of Engineering, Pune, August 2019.
- Two days student workshop on “Multimedia Techniques” at Pimpri Chinchwad Polytechnic, Pune, August 2019.
- Two days student workshop on “C Programming” at D. Y. Patil School of Engineering and Technology, Lohgaon, Pune, August 2019.
- Two days Faculty Development Program on “Linux Programming” at Mahatma Phule Krushi Vidyapeeth, Rahuri, July 2019.
- Four days student workshop on “Python Programming” at Pimpri Chinchwad College of Engineering and Research, Pune, July 2019.
- Five days student workshop on “Data Science” at Rajarambapu Institute of Technology, Islampur, June 2019.
- Two days student workshop on “IOT Using Raspberry Pi” at KBIET, Baramati, Dist. Pune, June 2019.
- One day student workshop on “Machine Learning” at Marathwada Mitra Mandal’s College of Engineering, Pune, June 2019.
- Two weeks certification course on “Python Programming” at Brihan Maharashtra College of Commerce, Pune, April-May 2019.
- One day student workshop on “Python GUI Development” at MIT Academy of Engineering, Alandi, April 2019.
- One day student workshop on “Packet Tracer and MANET” at D. Y. Patil College of Engineering, Ambi, Pune, April 2019.
- One day student workshop on “Integration of Hive and Hbase” at D. Y. Patil College of Engineering, Ambi, Pune, April 2019.
- Three days student workshop on “Linux Programming” at SGGGS IET, Nanded, April 2019.
- One day Faculty Development Program on “Python Machine Learning” at SBES Science College, Aurangabad, April 2019.
- Three days student workshop on “Python Data Analytics” at Army Institute of Technology, Pune, March 2019.
- Two days student workshop on “Linux Programming” at SGGGS IET, Nanded, March, 2019.
- One day student workshop on “NLP and Machine Learning” at AISSMS IOIT, Pune, March 2019.

- Three days student workshop on “Data Science using R” at Deogiri Institute of Technology and Management Studies, Aurangabad, March 2019
- Two days Faculty Development Program on “Python Machine Learning” at Sinhgad Institute of Technology and Science, Pune, February 2019
- Expert session on “Data Science and Machine Learning” at Nutan Maharashtra IET, Talegaon Dabhade, Pune, February 2019
- Five days student workshop on “Advanced Web Development” at Maharashtra Institute of Technology, Aurangabad, February 2019
- Four days student workshop on “Java Programming” at Pimpri Chinchwad College of Engineering and Research, Pune, February 2019
- Expert session on “OS and Cloud in IOT” at Jayawant Institute of Management Studies, Tathawade, Pune, Pune, January 2019
- Two days student workshop on “Python Machine Learning” at Marathwada Mitra Mandal’s College of Engineering, Pune, January 2019
- Two days student workshop on “Internet of Things Application Design” at Pimpri Chinchwad College of Engineering and Research, Pune, December 2018
- Six days student workshop on “MySQL and MongoDB” at Rajarambapu Institute of Technology, Islampur, November-December 2018
- One day student workshop on “Software Testing using Selenium” at Institute of Management and Career Courses, Pune, October 2018
- Two days student workshop on “Python Machine Learning” at Rajarshi Shahu College of Engineering, Pune, October 2018
- Two days student workshop on “Internet of Things” at Army Institute of Technology, September 2018
- One day student workshop on “Internet of Things” at S. B. Patil College of Engineering, Indapur, September 2018
- Resource person for four days student workshop on “Practical Python for IOT, Data Analytics and Machine Learning” at Sandip Foundation’s SITRC, Nashik, September 2018
- Resource person for four days student workshop on “Machine Learning” at MET BKC Institute of Engineering, Nashik, September 2018
- Resource person for one days student workshop on “Machine Learning” at AISSMS IOIT, Pune, August 2018
- Resource person for two days student workshop on “Machine Learning” at I²IT, Hinjawadi, Pune, August 2018
- Resource person for four days student workshop on “Web Application Development” at Jaihind College of Engineering, Junnar, Pune, August 2018
- Resource person for two days student workshop on “Programming Python” at PCCOE&R, Ravet, Pune, August 2018
- Resource person for three days student workshop on “Programming Python” at Army Institute of Technology, Dighi, Pune, August 2018
- Resource person for two days student workshop on “Android App Development” at Pimpri Chinchwad Polytechnic, Nigdi, Pune, August 2018
- Resource person for three days student workshop on “Big Data Analytics” at Army Institute of Technology, Dighi, Pune, July 2018
- Resource person for two days student workshop on “3D Animation using Blender” at Pimpri Chinchwad Polytechnic, Nigdi, Pune, July 2018

- Resource person for three days student workshop on “Python Programming” at Sinhgad Institute of Technology and Science, Narhe, Pune, July 2018
- Resource person for three days student workshop on “C and C++ Programming” at Bharati Vidyapeeth’s COEW, Pune, July 2018
- Resource person for two days student workshop on “C and C++ Programming” at DYPSOET, Charholi (Bk.), July 2018
- Resource person for two days student workshop on “BootStrap” at PCCOE, Nigdi, Pune, July 2018
- Resource person for five days FDP on “Data Analytics using Python and R” at SVPM’s College of Engineering, Malegaon (Bk.), Baramati.
- Conducted one month training program on “Java Programming” at MIT Polytechnic, Pune, May-June 2018.
- Resource person for one day student workshop on “Arduino Application Development” at Army Institute of Technology, Pune, April 2018.
- Resource person for six days student workshop on “Internet of Things” at Deogiri Institute of Engineering and Management Studies, Aurangabad, March 2018.
- Resource person for one day student workshop on “Document Processing with LaTeX” at AISSMS IOIT, Pune, March 2018.
- Resource person for two days student workshop on “R Programming” at Army Institute of Technology, Pune, March 2018.
- Resource person for one day student workshop on “Big Data Analysis” at Amrutvahini College of Engineering, Samgamner, March 2018.
- Resource person for a two days student workshop on “PacketTracer” and “Big Data Analysis” at Dr. D. Y. Patil College of Engineering, Ambi, March 2018.
- Resource person for a two days student workshop on “Linux Programming” SGGs Institute of Engineering and Technology, Nanded, March 2018.
- Resource person for QIP Sponsored seminar on “Embedded System and IOT” at NDMVP’s KBT College of Engineering, Nashik, February 2018.
- Resource person for two days student workshop on “Java Servlet Programming” at MIT Polytechnic, Pune, February 2018.
- Resource person for two days training program on “Big Data and Machine Learning” at PDVVP College of Engineering, Ahmednagar, February 2018.
- Resource person for one day student workshop on “Android App Development” at Pune Institute of Computer Technology, February 2018.
- Resource person for one day student workshop on “JavaScript Essentials” at Marathwada Institute of Technology, Aurangabad, February 2018.
- Resource person for two days student workshop on “Data Analysis” at Jaywantrao Sawant College of Engineering, Pune, February 2018.
- Resource person for one day student workshop on “Big Data Analysis” at AISSMS IOIT, Pune, February 2018.
- Resource person for two days student workshop on “LaTeX” at Sinhgad College of Engineering, Vadgaon Bk, , Pune, January 2018.
- Resource person for three days student workshop on “Digital Marketing” at Dr. D. Y. Patil School of Engineering and Technology, Charholi Bk, , Pune, February 2018.

- Resource person for three days student workshop on “Big Data Analysis” at Army Institute of Technology, Pune, January 2018.
- Resource person for a two days student workshop on “Linux Programming” SGGGS Institute of Engineering and Technology, Nanded, January 2018.
- Resource person for two days student workshop on “LaTeX” at Sinhgad College of Engineering, Vadgaon Bk, , Pune, January 2018.
- Resource person for a two days student workshop on “Python Programming” at Pimpri Chinchwad College of Engineering & Research, Ravet, Pune, January 2018.
- Resource person for a four days student workshop on “Python Programming” at International Institute of Information Technology, Hinjwadi, Pune, January 2018.
- Resource person for a five days ISTE-MSBTE FDP on “Python Programming” at MIT Polytechnic, Kothrud, Pune, January 2018.
- Resource person for MSBTE Sponsored FDP on “Linux and Open Source” at Dr. M. S. Gosavi Polytechnic, Nashik, January 2018.
- Resource person for a three days FDP on “Big Data Analytics using Hadoop, Hive and R” at International Institute of Information Technology, Hinjwadi, Pune, December 2017.
- Resource person for a three days FDP on “Deep Learning and Applications” at Sinhgad Academy of Engineering, Kondhwa, Pune, December 2017.
- Resource person for two week orientation program on “Core Java Programming” at MIT Academy of Engineering, Alandi, Pune, December 2017.
- Resource person for Five days FDP on “IoT Design using Raspberry Pi” at Sandip Institute of Technology and Research Centre, Nashik, November 2017.
- Resource person for a week training program on “Android App Development” at Samarth College of Computer Science, Belhe, Pune, November 2017.
- Resource person for a week training program on “Angular JS” at Pimpri Chinchwad College of Engineering, Pune, October 2017.
- Resource person for two days training program on “Big Data Analysis” at Bhivrabai Sawant College of Engineering & Research, Narhe, Pune, October 2017.
- Expert lecture on “Big Data Technologies” at Sinhgad College of Engineering, Vadgaon (Bk.), September 2017.
- Resource person for two days student workshop on “Cloud Computing” at Nutan Maharashtra Vidya Polytechnic, Talegaon, Pune, September 2017.
- Resource person for one day student workshop on “Linux Programming” at Army Institute of Technology, Dighi, Pune, September 2017.
- Expert lecture on “Operating System” at AISSMS IOIT, September 2017.
- Resource person for two days student workshop on “Linux” at Vishwatmak Om Gurudev College of Engineering, Shahapur, September 2017.
- Resource person for one day student workshop on “Big Data Analytics” at Sardar Patel Institute of Technology, Mumbai, September 2017.
- Resource person for three days student workshop on “Python for GUI and IOT Programming” at PCCOE, Nigdi, Pune, September 2017.
- Expert lecture on “Linear Regression” at AISSMS IOIT, September 2017.

- Resource person for two days student workshop on “Selenium” at Institute of Management and Career Courses, Kothrud, Pune, September 2017.
- Resource person for two days student workshop on “PHP and Android” at PCCOE&R, Ravet, Pune, September 2017.
- Expert lecture on “Psychology of Programming” at Modern College of Engineering, Pune, September 2017.
- Resource person for value added course on “Data Science using R” at I²IT, Hinjawadi, Pune, September 2017.
- Resource person for one day student workshop on “IOT Using Raspberry Pi” at MIT Academy of Engineering, Alandi, Pune, August 2017.
- Resource person for three days student workshop on “Python Programming” at Marathwada Institute of Technology, Aurangabad, August 2017.
- Resource person for two days student workshop on “IOT Using Raspberry Pi” at Zeal College of Engineering and Research, Narhe, Pune, August 2017.
- Expert lecture on “Open Source Laboratory” at Army Institute of Technology, Dighi, July 2017.
- Resource person for one day student workshop on “Programming in C” at Dr. D. Y. Patil School of Engineering and Technology, Lohgaon, Pune July 2017.
- Expert lecture on “Big Data and Machine Learning” at I²IT, Hinjawadi, Pune, July 2017.
- Resource person for two days student workshop on “Android App Development” at Dr. D. Y. Patil School of Engineering and Technology, Lohgaon, Pune July 2017.
- Resource person for six days student workshop on “IOT Using Raspberry Pi” at Marathwada Institute of Technology, Aurangabad, July-August 2017.
- Resource person for three days student workshop on “Core Java Programming” at Sinhgad Institute of Technology and Science, July 2017.
- Resource person for two days student workshop on “Wordpress” at Marathwada Institute of Technology, Aurangabad, July 2017.
- Resource person for one week FDP on “Java and Android Programming’ at MCA Dept., MIT, Aurangabad, July 2017.
- Resource person for one week training program on “Selenium Testing Tool’ at MCA Dept., PCCOE, Nigdi, Pune, June 2017.
- Resource person for One week ISTE’s STTP on “Recent Trends in IOT and Cloud’ at PES COE, Aurangabad, June 2017.
- Conducted a value added course on “Data Mining using R” at MIT Academy of Engineering, Alandi, June 2017.
- Resource person for IEEE and ISTE sponsored Two week STTP on “Data Mining: Research Avenues and Tools’ at Sinhgad COE, Pune, May-June 2017.
- Conducted a Value Added Course on “Python Programming” at Army Institute of Technology, Dighi, Pune, February-March 2017.
- Resource person for two days student workshop on “Programming PHP” at Pimpri Chinchwad College of Engg and Research, Ravet, Pune, Mar 2017.
- Resource person for one day student workshop on “Hadoop and R Programming” at Satara College of Engineering and Management, Satara, March 2017.

- Resource person for one day student workshop on “Android App Development” at JSPM, Narhe Technical Campus, Pune, March 2017.
- Resource person for two days student workshop on “Internet of Things” at Army Institute of Technology, Dighi, Pune, March 2017.
- Resource person for one day student workshop on “Arduino Application Development” at Army Institute of Technology, Dighi, Pune, March 2017.
- Resource person for two days student workshop on “Android App Development” at Dr. DYPIET, Ambi, Pune, March 2017.
- Resource person for three days post graduate student workshop on “Linux and Python Programming” at SGGGS IET, Nanded, March 2017.
- Resource person for two days student workshop on “Programming Python” at VOGCE, Shahapur, Dist. Thane, March 2017.
- Resource person for two days student workshop on “Raspberry Pi” at Army Institute of Technology, Dighi, Pune, February 2017.
- Resource person for student workshop on “Python Programming” at Pimpri Chinchwad College of Engineering and Research, Ravet, February 2017.
- Resource person for two days student workshop on “R Programming” at Maharashtra Institute of Technology, Pune, February 2017.
- Resource person student workshop on “Latex” at Sinhgad Institute of Technology and Science, Narhe, Pune, February 2017.
- Resource person student workshop on “QT Programming” at DYP School of Engineering and Technology, Charholi, Pune, February 2017.
- Resource person two days student workshop on “Big Data Analysis” at Amrutvahini College of Engineering, Sangamner, February 2017.
- Resource person student workshop on “Latex” at Sinhgad College of Engineering, Vadgaon, Pune, February 2017.
- Resource person for two days student workshop on “Linux Essentials and Programming” at Nutan Maharashtra Vidya Polytechnic, Talegaon Dabhade, February 2017.
- Resource person for three days CSI approved student workshop on “Core Java Programming” at Modern College of Engineering, Pune, January 2017.
- Resource person for three days CSI approved student workshop on “Python Programming” at Army Institute of Technology, January 2017.
- State Level Seminar on “Big Data Analysis with Hadoop” at Bhonsala Military College, Nashik, January 2017.
- Resource person for six days CSI approved FDP on “Advanced Java Programming” at MIT Aurangabad, January 2017.
- Resource person for two weeks ISTE approved STTP on “Big Data Analytics” at HVPM’s College of Engineering and Technology, Amravati, December 2016.
- Resource person for SPPU BCUD Sponsored two days FDP on “Hadoop with R Programming” at MES’s College of Engineering, Pune, December 2016.
- Resource person for five days ISTE approved STTP on “R Programming” at MIT Academy of of Engineering, Alandi, Pune, November 2016.
- Expert seminar on “Selenium” at Dr. D. Y. Patil Institute of MCA October 2016.

- Resource person for one day Student Workshop on “Big Data Analysis” at MIT Academy of Engineering, Alandi, Dist. Pune, October 2016.
- Expert seminar on “Linux Device Drivers” at MIT College of Engineering, Kothrud, Pune, September 2016.
- Resource person for one day Student Development Program on “Big Data Analysis using Hadoop” at RMD Sinhgad School of Engineering, Warje, Pune, September 2016.
- Conducted an Add-on course on “Python Programming” at MIT Academy of Engineering, Alandi, Dist. Pune, from July 2016 to September 2016.
- Resource person for Student Workshop on “Python Programming” at Jaihind College of Engineering, Dist. Pune, September 2016.
- Resource person for three days Student Workshop on “Big Data Analysis” at MIT Academy of Engineering, Alandi, Dist. Pune, September 2016.
- Expert seminar on “Recent Trends in Information Technology” at Pimpri Chinchwad Polytechnic, Nigdi, Pune, September 2016.
- Resource person for one day Student Development Program on “MongoDB” at RMD Sinhgad School of Engineering, Warje, Pune, September 2016.
- Resource person for two days Student Workshop on “Web Development using PHP ” at Jaihind College of Engineering, Dist. Pune, September 2016.
- Resource person for one day Student Development Program on “MongoDB” at Dr. D. Y. Patil School of Engineering and Technology, Lohgaon, Pune, August 2016.
- Resource person for four days Student Workshop on “Python Programming” at Marathwada Institute of Technology, Aurangabad, August 2016.
- Resource person for three days Student Workshop on “Big Data Analysis using Hadoop ” at Saraswati College of Engineering, Navi Mumbai, August 2016.
- Expert seminar on “Recurrence Relation” at AISSMS Institute of Information Technology, Pune, August 2016.
- Resource person for two week STTP on “Computer Vision and Pattern Recognition” at SGGS Institute of Engineering and Technology, July 2016.
- Resource person for two days Student Workshop on “Web Development using PHP ” at Jaihind Polytechnic, Dist. Pune, July 2016.
- Resource person for one day Student Development Program on “Project Development” at Dr. D. Y. Patil School of Engineering and Technology, Lohgaon, Pune, July 2016.
- Resource person for one week STTP on “Big Data and Analytics’ at Marathwada Institute of Technology, Aurangabad, July 2016.
- Resource person for one day Student Development Program on “C Basics” at Dr. D. Y. Patil School of Engineering and Technology, Lohgaon, Pune, June 2016.
- Expert seminar on “Project Development” at Marathwada Mitra Mandal’s Institute of Technology, Lohgaon, Pune, June 2016.
- Resource person for one day faculty development program on “Research Methodologies” at PES’s Modern College of Engineering, Pune, June 2016.
- Resource person for Department of Science and Technology, Government of India sponsored 10 days training program on “Big Data Analytics” at Sandip Institute of Technology and Research Centre, Nashik, May 2016.

- Resource person for two days student workshop on “Android App Development” at Nutan Maharashtra Vidya Polytechnic, Talegaon Dabhade, February 2016.
- Conducted a Value Added Course of “Hadoop and Big Data” for TE and BE students of SITRC, Nashik, February 2016.
- Resource person for one day student workshop on “Python Programming” at Sinhgad Institute of Technology and Science, Narhe (Pune), February 2016.
- Resource person for One day workshop on “Linux Kernel Programming” at SNJB's College of Engineering, Chandwad, Nashik, February 2016.
- Invited Speaker for State Level Seminar on “Big Data Technologies” with topic- “Emerging Big Data- Apache Spark, Mahout and Airavata” at KTHM College, Nashik.
- Resource person for Three days workshop on “Linux Essentials and Administration” at K. K. Wagh Polytechnic, Nashik, February 2016.
- Resource person for Savitribai Phule Pune University sponsored Two days Faculty Development Program on “Big Data and Hadoop” at Dr. D. Y. Patil School of Engineering and Technology, Lohgaon, Pune, January 2016.
- Resource person for One day workshop on “Linux Essentials and Administration” at K. K. Wagh Women's Polytechnic, Nashik, February 2016.
- Resource person for MSBTE sponsored Five days Faculty Development Program on “Advanced Internet and Java Programming” at Sandip Institute of Polytechnic, Nashik, December 2015.
- Resource person for Three days workshop on “Linux Essentials and Administration” at Pimpri Chinchwad College of Engineering, Pune, December 2015.
- Resource person for Two days workshop on “Web Technologies” at Palghar, Dist. Palghar, December 2015.
- Resource person for Two days Faculty Development Program on “Python and Ruby Programming” at Saraswati College of Engineering, Kharghar, Navi Mumbai, October 2015.
- Resource person for Five days workshop on “Recent Trends in Information Technology” at PDVVP College of Engineering, Ahmednagar, September 2015. The topics were- Cloud Computing with Virtualization and Wordpress.
- Resource person for Two days workshop on “Linux Essentials and Administration” at Dr. D. Y. Patil College of Engineering, Talegaon-Ambi, Pune, August 2015.
- Resource person for Three days workshop on “Embedded Linux on ARM9” at Sandip Institute of Technology and Research Centre, Nashik, August 2015.
- Resource person for Two days workshop on “Java and Python” at Dr. D. Y. Patil School of Engineering and Technology, Lohgaon, Pune, July 2015.
- Expert seminar on “Hadoop and Linux: Open Source” at Department of I. T., K. K. Wagh Polytechnic, Nashik, July 2015.
- Guest seminar on “Open Source Software” at Department of Computer and I.T. , Matoshri Asarabai Polytechnic, Nashik, July 2015.
- Expert seminar on “Introduction to Linux: Open Source” at Department of Computer Engg., K. K. Wagh Polytechnic, Chandori, Nashik, July 2015.

- Resource person for One day workshop on “Operating System Laboratory” at G. H. Rasoni College of Engineering and Management, Ahmednagar, April 2015.
- Resource person for One day workshop on “Processor Interfacing Laboratory” at Sir Visvesvaraya Institute of Technology, Nashik, March 2015.
- Resource person for One day workshop on “Operating System Laboratory” at Dr. D. Y. Patil College of Engineering and Technology, Pune, March 2015.
- Resource person for One day workshop on “Operating System Laboratory” at Vishwabharati Academy's College of Engineering, Ahmednagar, March 2015.
- Resource person for One Faculty Development Program on “Linux Kernel Programming” at Army Institute of Technology, Pune, February 2015.
- Expert lecture through VLC at YCMOU, Nashik on “Computer Graphics” organized by MSBTE, Mumbai, February 2015.
- Resource person for One day workshop on “Linux Programming” at KVN S.P. Sanstha's Polytechnic, Nashik organized by Nashik Linux Users Group, February 2015.
- Resource person for One day workshop on “Operating System Laboratory” at PDVVP College of Engineering, Ahmednagar, February 2015.
- Resource person for One day workshop on “Linux” at NDMVP's CMCS College, Nashik organized by Nashik Linux Users Group, January 2015.
- Resource person for One day workshop on “Multithreading and IPC” at MET Bhujbal Knowledge City's IoE, Nashik, January 2015.
- Resource person for One day workshop on “Linux Administration Programming” at KK Wagh Women's Polytechnic, Nashik organized by Nashik Linux Users Group, January 2015.
- Resource person for One day workshop on “Linux Programming” at KK Wagh Polytechnic, Nashik organized by Nashik Linux Users Group, January 2015.
- Resource person for One day workshop on “Linux” at RYK College of Science, Nashik organized by Nashik Linux Users Group, December 2014.
- Expert lecture through VLC at YCMOU, Nashik on “Java Programming” organized by MSBTE, Mumbai, September 2014.
- One day workshop on “Linux” named Linuxicated at KKWIEER, Nashik organized by fizzible.com, June 2014.
- Expert seminar on “Linux and Applications” at K.K. Wagh Women's Polytechnic, Nashik, September 2014.
- One day workshop on “Processor Interfacing Laboratory” at Sir Visvesvaraya Institute of Technology, Sinnar, Dist. Nashik, March 2014.
- Resource person for MSBTE staff training program on conduction of Laboratory experiment in ‘Advanced Java Programming’ at Guru Gobind Singh Polytechnic, Nashik.
- Students workshop on 'See through C' at Pimpri Chinchwad College of Engineering, Nigdi, Pune.
- Resource person for MSBTE staff training program on ‘Advanced Java Programming’ at GGSP, Nashik.

- Resource person for MSBTE staff training program on 'Advanced Java Programming' at Shatabdi Institute of Technology, Nashik.
- Resource person for MSBTE staff training program on 'PC Troubleshooting and Maintenance' at Government Polytechnic, Nashik.
- One day workshop on "Embedded Linux" at NDMVP's KBGT CoE, Nashik for ExTC Students.
- Expert seminar on C programming at K.K. Wagh Polytechnic, Nashik and Chandori.
- Expert seminar on 'Java Graphics Programming' at Government Polytechnic, Nashik.
- Expert seminar on 'Java Network Programming' at Guru Gobind Singh Polytechnic, Nashik.
- Expert seminar on 'Java Network Programming' at Sandip Polytechnic, Nashik.
- Expert seminar on 'Thinking in Data Structures' at Sandip Institute of Polytechnic, Nashik.
- Expert seminar on 'Journey of Computing' at K.K. Wagh Polytechnic, Chandori, Nashik.
- Conducted a short term program on 'C Programming' for interdisciplinary staff in 2006 and 2008.
- Coordinated a short term training program on 'Visual Basic.net' for Computer & I.T. staff in 2006.
- Organized MSBTE sponsored Content Updating Program 'Linux as Operating System' in 2007.
- Guided students of IETE discipline for subject 'Computer Architecture' in 2007 and 'Business Systems' in 2008.
- Conducted a short term program on 'C Programming' for technical assistant staff in 2008.

Appendix II

Online Training Programs and FDP Conducted

- Four days National refresher course on “Data Science and Machine Learning” for computer science faculties at KBC North Maharashtra University, Jalgaon, March 2023.
- Resource person for the Two Week Continuous Professional Development Programmes (CPDP) on “Advances in Artificial Intelligence & Machine Learning” sponsored by AICTE Training and Learning (ATAL) Academy, December 2022.
- FDP on "Applications of Machine learning" at YSPM's, Yashoda Technical Campus, Faculty of Engineering, Satara, August 2022.
- National Level FDP program on “Recent Trends in Artificial Intelligence, IoT and Data Analytics” at Pimpri Chinchwad College of Engineering and Research, Pune, October 2022.
- FDP on "Introduction to Machine Learning in Research" at Government College of Engineering, Amravati, March 2022.
- One Day Online Faculty Orientation Program on, “Web Technology and Web Technology Lab , TE Computer Engineering 2019 Pattern ” in association with BoS (Computer Engineering), SPPU, Pune organized by KKWIEER, Nashik, February 2022.
- Five days student training program on “Python Programming” at Jaihind College of Engineering, Junnar, Pune, June 2022.
- Two days student Workshop on 'Machine Learning using Python' at AISSMS, IOIT, Pune, February 2022.
- Five Days FDP on “Data Science and Machine Learning for Mechanical Engineers”, at MIT ADT University, Pune, July 2022.
- Three days student training program on “Deep Learning” at IMSCD&R Ahmednagar, June 2022.
- Two days student training program on “Data Science” at RMD Sinhgad School of Engineering, Pune, February 2021.
- Practical session on " Big data technology using Hadoop and Hbase" at AISSMS IOIT, Pune, February 2021.
- Three Days National Level(Online) Workshop on "Machine Learning Using Python" at MIT ACSC, Alandi(D), January 2021.
- One day online syllabus orientation program on "Animation and Gaming" at R.H. Sapat College of Engineering, Nashik, January 2021.
- Five days student training program on “Deep Learning” at IMSCD&R Ahmednagar, June 2021.
- One Day Online Faculty Development Program on, "Operating Systems , SE Artificial Intelligence and Data Science 2020 Pattern" in association with BoS (Computer Engineering), SPPU , Pune, August 2021.
- Three days training program on BEIT Audit Course "Statistical learning model using R programming" at International Institute of Information Technology, Hinjawadi, November 2021.
- Five Days FDP on “Data Science and Machine Learning for Mechanical Engineers”, at MIT ADT University, Pune, September 2021.

- Resource person for one-week short-term training program on "Cyber Physical System" at Ramrao Adik Institute of Technology, Navi Mumbai, June 2021.
- Resource Person for One week Online International Faculty development program on "Emerging Research trends in Communication", at D.Y.Patil College of Engineering, Akurdi, Pune, June 2021.
- Six days Refresher Program on "Contemporary AI: Applications in Healthcare", DYPCoE, Akurdi, Pune, December 2020.
- AICTE sponsored Two Weeks Online Faculty Development Programme on "Artificial Intelligence and it's applications in Biomedical Engineering" at JSPM's Rajarshi Shahu College of Engineering, December 2020.
- Faculty Development Program on "Internet of Things" at MMCOE, Pune, through YouTube, June 2020.
- Faculty Development Program on "Learning Resources Development" at KTHM College, Nashik, through YouTube, June 2020.
- Faculty Development Program on "Pedagogical Training for Effective Online Teaching and Learning" at Deen Dayal Upadhyay College, New Delhi, through YouTube, August 2020.
- Faculty Development Program on "Internet of Things Topic- IOT in Cloud" at Ramrao Adik Institute of Technology, Navi Mumbai, through YouTube Live, August 2020.
- Student Training Program on "Using Mathematics for Data Science" at PCCOE, Pune, through Google Meet, September 2020.
- Faculty Development Program on "R Programming" at NDMVP's KBT COE, Nashik, through Google Meet, September 2020.
- Five Days Student Training Program on "Python Programming" at AISSMS IOIT, Pune, through Microsoft Teams, October 2020.
- Ten Days Student Training Program on "Data Statistics and Computational Intelligence" at AISSMS IOIT, Pune, through Microsoft Teams, October 2020.
- Session on Supervised Machine Learning at SKN Sinhgad College of Engineering, Pune through ZOOM, October 2020.
- Two weeks FDP on "Emerging Trends in Deep Learning and its Applications" organized by Department of Computer Engineering and sponsored by AICTE, at Dr. D.Y.Patil Institute of Technology, Pimpri, Pune, November 2020.
- Two days student training program on "R Programming" at Army Institute of Technology, Pune through Microsoft Teams, October 2020.
- Five days student workshop on "Data Analytics" conducted at Indira Institute of Management, Pune through Microsoft Teams, November 2020.
- Resource person for AICTE sponsored STTP on "Artificial Intelligence and it's applications in Biomedical Engineering" at RSCOE conducted through ZOOM, October 2020.
- Resource person for AICTE sponsored STTP on "Challenges and Opportunities in Smart City Implementation in IoT Era" at RSCOE, through ZOOM, November 2020
- Resource person for Refresher program on "Research Methodology and Data Analysis" at RSCOE, conducted through ZOOM, November 2020.

- Resource person for refresher program on "Contemporary AI: Applications in Healthcare" D Y Patil College of Engineering, Akurdi, November and December 2020.
- Conducted three sessions in AICTE Sponsored STTP on “Emerging Trends in Deep Learning and its Applications at Dr. D.Y.Patil Institute of Technology, Pune, through ZOOM, December 2020.
- Three days Student Development Program on “2D Animation” at MIT WPU School of Polytechnic, Pune through ZOOM, December 2020.

Appendix III

Online Seminars and Guest Lectures Conducted

- Lecture on “AWS in Cloud” at SVKM’s Institute of Technology, Dhule, September 2022.
- Lecture on “Machine Learning” at MVPS’s KBTCOE, Nashik, September 2022.
- Lecture on “Factor Analysis, LDA, PCA” at JSPM Rajarshi Shahu College of Engineering, Tathawade, Pune, December 2021
- Lecture on “Machine Vision” at MVPS’s KBTCOE, Nashik, October 2021.
- Seminar on “Basics of Python Programming” at Vishwatmak Om Gurudev College of Engineering, Dist. Thane, September 2021.
- Guest Speaker for the ML Webinar Series session "Perceptron learning in artificial neural network with real time example" at Modern College Of Engineering, Pune, August 2021.
- One Day Faculty Orientation Program (FoP) on "Operating Systems Laboratory (217524)" for the SE New Syllabus of Artificial intelligence & Data Science under the aegis of BoS Computer Engineering, SPPU, Pune at SNJB College of Engineering, Nashik, August 2021.
- Resource person for the Expert talk on "Internet of Things & its Applications" at DIETMS, Aurangabad, May 2021.
- Lecture on “Machine Learning and its future” at MIT WPU School of Polytechnic, Pune, April 2021.
- Expert Lecture in Faculty Development Program on "Advanced Communication using IoT and WSN", D Y Patil College of Engineering, Akurdi, Pune, February 2021.
- Guest lecture on "Big Data" at Modern Education Society's College of Engineering, Pune, December 2020.
- Guest lecture on "Operating System and it’s lab" at Zeal College of Engineering, Pune, December 2020.
- Seminar on “Data Science and Machine Learning” at SITS, Pune conducted through Microsoft Teams, April 2020
- Seminar on “Final Year Project Selection” at NDMVP’s CoE, Nashik conducted through Facebook Live, May 2020
- History Seminar on “Junnar in Satvahan Era” at Junnar Tourism Development Organization conducted through Facebook Live, May 2020
- Seminar on “Computing Applications in Production Engineering” at KKWIEER, Nashik conducted through ZOOM, May 2020.
- Seminar on “Data Structures Laboratory” at AISSMS IOIT, Pune conducted through Microsoft Teams, August 2020.
- Seminar on “Machine Learning” at AISSMS IOIT, Pune conducted through Microsoft Teams, August 2020.
- Seminar on “Python Programming” at Deogiri Institute of Engineering and Management Studies, Aurangabad conducted through Microsoft Teams, September 2020.
- Seminar on “Natural Language Processing using Python” at Samarth Group of Institutes, Belhe, Pune conducted through ZOOM, September 2020.

- Guest lecture on “Machine Learning” at Pimpri Chinchwad Polytechnic, Pune through Google Meet, November 2020.
- Guest lecture on “Machine Learning” at R.H. Sapat College of Engineering, Nashik through Google Meet, November 2020.
- Guest lecture on “Project Development for Final year Students” at Pimpri Chinchwad Polytechnic, Pune through Google Meet, November 2020.
- Guest Lecture on “Cloud Databases” at Rajarambapu Institute of Technology, Islampur, through Google Meet.
- Guest Lecture on “Embedded Systems and RTOS” at NDMVP’s KBT College of Engineering, Google Meet.
- Lecture on “Online Profile Creation and its importance” at Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.
- “Google ani Marathi” conducted at Dr. D.Y. Patil School of Engineering and Technology, Lohgaon, Pune.