

**Dr. S.M.Chaware**  
 BE (CSE), ME (IT), Ph.D. (Engineering)  
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## PROFILE

I am in teaching profession for more than 27 years which includes 9+ years of post-Ph.D., 3+ years of research supervisor, and 6 years as Head of the Department. I have guided 46+ UG groups, 17+ PG students and 2 research scholars (in process) in Computer Engineering. I published 51 papers in various National/International Journals, Conferences which includes 07 WoS, 14 Scopus, 16 UGC publications.

## EXPERIENCE HISTORY

**TEACHING EXPERIENCE: TOTAL: 27 YRS.**

UG	27 Yrs.
PG (Post Ph.D.)	9+ Yrs.
Ph.D. (Research Supervisor)	3+ Yrs.

## EMPLOYMENT

Employer	Designation	Period		Experience in Yrs	Nature of Duties
		From	To		
JSPM RSCOE, Pune	Professor in IT Dept.	Oct 2021	Till date	8 Months	Teaching, Administration, Research
MMCOE, Pune	Professor in Computer Engineering Dept.	June 2017	Sept 2021	4.4 Yrs	Teaching, Administration, Research, NAAC, NBA, Research Centre, ISO coordinator
TSSM BSCOER, Pune	Professor in Computer Engineering Dept.	July 2012	May 2017	4.10 Yrs	Teaching, Administration, Research, NAAC
DJSCOE, Mumbai	Asst. Prof. in IT Dept.	July 2006	July 2012	6 Yrs	Teaching, Lab I/C, Project Guide
DJSCOE, Mumbai	Lecture in IT Dept.	Aug 2001	July 2006	5.11 Yrs	Teaching & guiding projects for UGstudents
RAIT, Navi Mumbai	Lecture in IT Dept.	Aug 2000	Aug 2001	1 Yr	
BNCOE,	Lecturer in	Sept 1998	July 2000	1.11 Yrs	

Pusad	CSE Dept.				
SESCOE, Kopargaon	Lecturer in CE Dept.	Aug 1996	Sept 1998	1.11 Yrs	
BNCOE, Pusad	Lecturer in CSE Dept.	July 1995	April 1996	9 months	

## EDUCATIONAL QUALIFICATIONS

Degree/Branch	University/ Board	Year	Class
Ph.D. (Engineering)	NMIMS University, Mumbai	2012	Awarded
M.E. (Information Technology)	Mumbai	2006	I (68.43)
B.E. (Computer Science & Engineering)	Amravati	1994	I (67.25%)
HSC	Nagpur	1990	I (73.50%)
SSC	Nagpur	1988	I with Dist. (77.14%)

**Ph.D.** (Information Retrieval in Multilingual Environment)

**Publications:** International Conferences/ Journals (2 Scopus Indexed): **11 Papers.**

## SKILLS

### Administrative Skills

- ✓ Handled all administrative activities of the department/college.
- ✓ Planning and monitoring of activities well advanced for each semester.
- ✓ Prepared **5 years perspective plan** for the department progress.
- ✓ Developed '**Vision Document**' of the MMCOE as perspective plan for 5 years and 10 years with targeted objectives and goals.
- ✓ Planned at least 1 new activity every semester.

### Academic Skills

- ✓ Use of ICT for teaching-learning process.
- ✓ Use of Case Study during lecture.
- ✓ Use of NPTEL videos during lecture.
- ✓ Project-based learning through mini-project and project.
- ✓ Motivation for participation to national level events like Hackathon.
- ✓ Result improvement scheme like extra lectures, paper solution etc. impacted into 25% improvement in result Semester-I 2018-19.
- ✓ Co-curricular activities like add-on courses, guest lectures, expert lectures from industry etc.

### Research Skills

- ✓ Research motivation through research groups.
- ✓ Publications by UG, PG and PhD students.
- ✓ Participation in International Conferences.
- ✓ Participation in research proposal writing and submission for funding to various agencies like BCUD, DST, AICTE-RPS, DSIR, SERB etc.
- ✓ Organization of various FDPs/STTPs for staff to explore research forum.

## PROFESSIONAL AFFILIATIONS

1. ISTE Life Membership
2. CSI Life Membership
3. Fellow Membership of Institute of Research and Journals (IRAJ)
4. Professional life Membership of Institute of Scholars (InSc).
5. Editorial board member of International Journal of Advanced Research in Engineering and Technology (IJARET), IAEME Publication.
6. Editorial Board Member of International Journal of Computer Engineering and Technology (IJCET), IAEME Publication.
7. Editorial Board member of Blue Eyes Intelligent Engineering and Sciences Publication (**ELSEVIER Scopus**) from 20<sup>th</sup> Nov. 2019.
8. Editor for Book titled “**Futuristic Trends in IOT**” under Iterative International Publishers, USA and India, June 2022.
9. Member of **Centre-of-Excellence (CoE)** for Tata Institute of Social Science.
10. Professional Life Member of **Scholars Academic & Scientific Society** from 16<sup>th</sup> Feb. 2020.
11. VC nominated **Subject expert** for Screening-cum-Evaluation Committee for Promotion under CAS at Modern College of Arts, Science and Commerce, Pune June 2022.

## ACHIEVEMENTS/AWARDS

1. Awarded with “**InSc HOD of the year Award 2019**” by Institute of Scholars, Bangalore.
2. Awarded with “**Innovative Research and Dedicated Excellent Educationalist 2020**” by The Society of Innovative Educationalist and Scientific Research Professional, Chennai, Tamilnadu.
3. Awarded as “**Best Department Award 2018-19**” at MMCOE, Pune.
4. Awarded as “**Best Participant**” during STTP at TKIT, Warananagar during 2002-2003.
5. Setup of “**Centre-of-Excellence**” in High Performance Computing with four major Research domains.
6. Setup of **CSI Institute Membership** and CSI student chapter.
7. Research Grant sanctioned from BCUD, SPPU of Rs. 59,000 for the year 2016-18.
8. Worked as a member in Interview committee at N.M.I.M.S. during the admission of MBA-Tech in 2004-05.

## ADMINISTRATIVE RESPONSIBILITIES HANDLED

### 1. NAAC/IQAC Coordinator:

The major efforts done as coordinator are as follows:

- Analysis of NAAC report of peer team and it’s pitfalls.
- Action plan for improvement as per AQAR 2020-21.
- Analysis and uploading of AQAR criteria.
- Academic and administration audit of all department by external experts.
- Arrange an expert sessions on “Improvement in Quality as per NAAC”.

### 2. NBA Coordinator:

The major efforts done as coordinator are as follows:

- Analysis of NBA report of peer team for each department and it’s pitfalls.
- Action plan for improvement as per NBA criteria.
- Preparation of criteria7.
- Arrange an expert sessions on “Improvement in Quality as per NBA”.

### 3. ISO Coordinator:

The major efforts done as coordinator are as follows:

- Understanding of ISO process.
  - Motivate team members for ISO documents.
  - Mappings of NAAC and NBA documents/files to ISO clauses.
  - Preparation of Scope statement and scope document as per ISO guidelines.
  - Preparation of ISP quality manual as per ISO clauses.
- 4. Research Centre Head (PhD Centre):**  
The major efforts done as coordinator are as follows:
- Analyzing the Research Centre Process as per SPPU guidelines.
  - Preparation of set-up of lab, library resources.
  - Preparation of various committees for set-up of research centre.
  - Planning of course work to be carried out by various experts.
  - Identifying research domains and associated Industries.
5. Worked as **NIRF Coordinator** at BSCOER, Pune during 2015-16.
  6. Worked as **NAAC steering committee** member at MMCOE during 2017-18.
  7. Worked as **Sponsored Research Project Committee** functional head at Institute level.
  8. Worked as **Chairman for Centre-of-Excellence in High Performance Computing** from 01/01/2018 and associated with 3 industries.
  9. Submitted a **FIST DST Proposal 2020** for funding of **Rs. 25, 32,280** to set up infrastructure for research lab of Data Science/AI/ML.
  10. Worked as coordinator to prepare '**Vision-2030**' document of the Institute 2019.
  11. Worked as **Head of Computer Engineering Department** from 1<sup>st</sup> Jan. 2018 to 30<sup>th</sup> July 2019 at MMCOE, Pune.
  12. Worked as **Head of Computer Engineering Department** from 30<sup>th</sup> July 2012 to 30<sup>th</sup> Nov. 2015 at BSCOER, Pune and handled all academic and administrative responsibilities.
  13. Worked as **Centre Head** for various government/private examinations like GATE, SBI, DoP and Infosys at BSCOER, Narhe.

#### ACADEMIC SERVICES OUTSIDE THE UNIVERSITY

1. Worked as a **Visiting Faculty** at MET, MPSTME NMIMS University for BCA, MCA, BTech, MBATech and MCA courses.
2. Worked as **paper setter and examiner** for B.Tech, MBA-Tech and M.Tech programmes at MPSTME, NMIMS University, Mumbai.
3. As a **Judge** for National level Project Competition at P.I.C.T. Pune during Impetus & Concept 2009.
4. Worked as **Conference Session Chair** at ICTM 2011 at MPSTME & DJSCOE, Mumbai.
5. Working as **subject expert** for M.Tech and Ph.D. programme at Bharati Vidyapeeth, Pune.

#### M.E./Ph.D. GUIDING/RESEARCH WORK UNDERTAKEN

1. Recognized as **M.E. guide in Computer Engineering** (SPPU) and guided 17 students.
2. Patent Titled "**IMRM: Class Monitoring System: IOT and AI-Based Real Time Class Monitoring and Faculty and Their Course Materials availability**" Granted by Australian Government in 9<sup>th</sup> Dec. 2020. (**Patent Number: 2020102991**)
3. Patent granted at Australian Government IP titled "**A System and Method**

**for Joint Encoding and Encryption Using LDPC and Chaotic Security on 8<sup>th</sup> July 2021** (Australian Innovation Patent Application No.: 2021103993)

4. Patent filed at Indian Government IP titled “**Traffic Density Detection: IR based Traffic Density Detection and Automatic Signal Adjustment using IoT based Notification System**” Application no. 202121035703, dated 7<sup>th</sup> Aug. 2021.

5. Recognized as **Research Guide (Ph.D. at SPPU)** in Computer Engineering from Jan 2018 and 2 Research scholars has enrolled for Ph.D. program under me.

**6. Copyrights: 3 filed in April 2022.**

7. A research proposal titled “**IoT-based Smart road traffic Control System by Monitoring air and noise pollution**” submitted to AICTE under RPS during 2018-19 with funding of **Rs. 6,82,352.94.**

8. A research proposal titled “**Performance of Streaming of unstructured Big data using GPU**” submitted to BCUD, SPPU with funding of **Rs. 4.65k.**

9. Research proposal submitted to **DSIR** under the scheme PRISM (DSIR/PRISM/CAT-1/2016/26806) with funding of **Rs. 1, 78,000.**

**10. Elsevier Scopus Journal/Conference Publications: 17**

**11. WoS/ACM publications: 07**

**12. UGC Journals publications: 13**

**13. Google Scholar Citations: 174, h-index = 08, i10 index = 04**

### **International Journals: 38**

#### **2009-10**

1. A Paper titled “**Domain Specific Information Retrieval in Multilingual Environment**” (Review paper) at International Journal of Recent Trends in Engineering published by ACEEE in Nov. 2009, pp 179-181. (**Peer-reviewed**)

#### **2010-11**

2. A paper titled “**A Survey: Issues of Semantic Matching for Indian Languages using Ontology**”, at International Journal of Information Technology and Knowledge Management, July-Dec 2010, Vol. 3, No. 2, pp 351-354. (**UGC Indexed**)
3. A Paper titled “**Integrated Approach to Ontology Development Methodology with Case Study**” at International Journal of Database Management Systems (IJDMS) Vol.2, No.3, August 2010, pp 13-19. (**Peer-reviewed**)
4. A Paper titled “**Ontology Approach for Cross-Language Information Retrieval**” at International Journal of Computer Technology and Applications, Vol. 2(2), pp 379- 784. (**UGC Indexed**)
5. A paper titled “**Banking Security using Honeypot**”, International Journal of Security and Its Applications, Vol.5 No.1, pp 31-38, January 2011. (**SCOPUS Elsevier Indexed/WoS**)

#### **2011-12**

6. A Paper titled “**Rule-based Phonetic Matching Approach for Hindi and Marathi**” at Computer Science & Engineering: An International Journal (CSEIJ), Vol.1, No. 3, Aug 2011, pp 13-24. (**Peer-reviewed**)
7. A Paper titled “**Evaluation of Phonetic Matching Approaches for Hindi and Marathi: Information Retrieval**” at International Journal of Advances in Engineering & Technology, Vol. 2, Issue 1, Jan. 2012, pp 179-189. Jan. 2012.
8. A Paper titled “**Analysis of Phonetic Matching Approaches for Indic Languages**” at International Journal of Advanced Research in Computer and Communication

Engineering, Vol. 1, Issue 2, April 2012, pp 110-116.

#### 2012-13

9. A Paper titled “**Proposed Design for Tolerant Bulk Data Transfer on Internet**” at International Journal of Advanced Research in Computer Science and Software Engineering, Vol. 3, Issue 11, Nov. 2013, pp 1590-1593. (UGC Indexed)

#### 2014-15

10. A Paper titled “**Dynamic Clustering Approach to Compress Radio Database for Efficient Localization in Fingerprinting Systems**” at International Journal of Computer Science and Mobile Computing, Vol. 3, Issue 6, June. 2014, pp 502-509. (UGC Indexed)
11. A Paper titled “**Survey on Data Mining with Privacy Preservation**” at International Journal of Computer Science and Information Technologies, Vol. 5 (4) , 2014, 5279-5283. (Peer-reviewed)
12. A Paper titled “**Implemented IDS Version of Advanced Artificial Neural Networks (ANN) using Layered Method**” at International Journal of Computer Science and Mobile Computing, Vol. 3, Issue 7, July. 2014, pp 506-511. (UGC Indexed)
13. A Paper titled “**Attribute-Based Data Sharing In Cloud Computing With Attribute Policy**” at Int. J. Computer Technology & Applications, Vol.5, Issue 4, July-Aug. 2014, pp 1446-1450. (UGC Indexed)

#### 2015-16

14. A Paper titled “**Defense Mechanism Based on Novel Trace back Scheme**” at International Journal of Innovation Research in Computer and Communication Engineering, Volume 3, Issue 6, June 2015, pp 6167-6172.
15. A Paper titled “**Fuzzy Cognitive Map – A Survey**” at *International Journal of Advance Research in Computer Science and Management Studies*, volume 4, issue 1, Jan. 2016, pp 215-219.

#### 2016-17

16. A Paper titled “**Proposed Smart System to Internal Threats for Senior Citizens at Home**” at *International Journal of Trend in Research and Development*, Volume 2, Issue 1, August 2016, pp 1-3. (Peer-reviewed)
17. A paper titled “**Smart Garbage Monitoring System using Internet of Things (IoT)**”, at International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Vol.5, Issue 1, Jan. 2017, pp 74-77. (Peer- reviewed)
18. A paper titled “**Design of Smart Home System for Internal Threats**”, at International Journal of Innovative Science, Engineering & Technology, Vol.4, Issue 1, Jan. 2017, pp 263-268.

#### 2017-18

19. A Paper titled “**Proposed Design for Improvement in De-duplication with Integrity Verification**”, at International Journal of Engineering Development and Research, volume 6, Issue 1, Jan. 2018, pp 84-87.

#### 2018-19

20. A paper titled “**Analysis of Unstructured Streaming Twitter data**”, at International Journal of Research in Electronics and Computer Engineering, volume 6, Issue 4, Dec. 2018, pp 201-203.

21. A paper titled “**Enhanced Support Vector Machine with Speed up and reduced sensitivity**”, at International Journal for Research in Applied Science & Engineering Technology, volume 6, Issue 12, Dec. 2018, PP 502-506.
22. A paper titled “**Smart Traffic Control System: Proposed Model**”, at Journal of Emerging Technologies and Innovative Research, volume 6, Issue 1, Jan. 2019.
23. A paper titled “**Mining Algorithms to Archive Utility Item-sets- Survey**”, at International Journal of Management, Technology and Engineering, volume 9, Issue 3, March 2019, pp 5393-5399.
24. A paper titled “**Smart Traffic Control System**” at Journal of Emerging Technologies and Innovative Research, Volume 6, Issue 5, May 2019.
25. A paper titled “**Proposed Model for Twitter Data Summarization**” at Journal of Emerging Technologies and Innovative Research, Volume 6, Issue 5, May 2019.
26. A paper titled “**Mining Algorithms to Archive Utility Item Sets**” at International Journal of Management, Technology and Engineering, Volume IX, Issue III, March 2019.

#### 2019-20

27. A paper titled “**Proposed Algorithm for Smart Traffic Control using Ultrasonic Sensors**” at International Journal of Engineering and Advanced Technology, Volume-8, Issue-6, August 2019, pp 3912-3915. **(SCOPUS Elsevier Indexed)**
28. A paper titled “**Proposed Design for Data Retrieval using Efficient Algorithm**” at International Journal of Engineering and Advanced Technology, Volume-9, Issue-1, October 2019, pp 6331-6335. **(SCOPUS Elsevier Indexed)**
29. A paper titled “**Stress Detection Methodology based on Social Media Network: A Proposed Design**” at International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-9, Issue-3, January 2020. **(SCOPUS Indexed)**
30. A paper titled “**Proposed System of Enhancement in Accuracy for Fire Detection System using Machine Learning Algorithm**” at International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-9, Issue-4, February 2020, pp 2093-2097. **(SCOPUS Indexed)**
31. A paper titled “**Video Object Detection through Traditional and Deep Learning Methods**”, at International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-4, April, 2020, pp 1822-1826. **(SCOPUS Indexed)**

#### 2020-21

32. A paper titled “**Stress Detection With Recommendation of Preventive Measures using Machine Learning Approach**”, at International Journal of Research and Analytical Reviews (IJRAR) E-ISSN: 2348 – 1269, Volume-7 Issue-2, June, 2020, , Impact factor: 5.75, pp **(UGC Approved)**
33. A paper titled “**Analysis for fire detection system for improvement in accuracy**”, at International Journal of Advanced Research in Engineering and Technology (IJARET) E-ISSN: 0976-6499, Volume-11 Issue-9, September 2020, pp 59-68 **(SCOPUS Indexed, UGC CARE Listed)**
34. A paper titled “**Proposed System for Remote Detection of Skin Diseases Using Artificial Intelligence**” at International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSIT) ISSN: 2456-3307, Volume-7 Issue-2, March-April-2021, pp 263-267 **(WoS/UGC Approved Journal no. 64718, Impact factor: 6.135)**
35. A paper titled “**A Proposed Design for a Augmented Reality Application with Deep learning for 3-D model Generation**” at Strad Research ISSN: 0039-2049, Volume-8 Issue-4, April 2021, pp 63-67 **(WoS/UGC Care Group-II, Impact factor: 6.1)**

1. A paper titled “**Resume Screening Using Machine Learning and NLP : A Proposed System**” at International Journal of Scientific Research in Computer Science, Engineering and Information Technology, ISSN: 2456-3307, Volume-8 Issue-2, March-April 2022, pp 253-259 (**Google Scholar, Impact factor: 6.1**)
2. A paper titled “**Tender Analysis using Machine Learning: Proposed System**” at International Journal of Advanced Scientific Research and Engineering Trends, ISSN: 2456-0774, Volume-6 Issue-12, April 2022, pp 312-313 (**Google Scholar, Impact factor: 6.22**)
3. A paper titled “**Covid-19 Face Mask Detection Using Convolution Neural Network: Proposed System**” at International Journal of Scientific Research in Engineering and Management, ISSN: 2582-3930, Volume-6 Issue-5, May 2022, pp 1-7 (**Google Scholar, Impact factor: 7.185**)

### **International Conferences: 12**

1. A paper titled “**Performance of AODV for ad hoc through simulation**” is selected at 4<sup>th</sup> International conference on Networking (ICN’06) at Mauritius, during 17-19<sup>th</sup> April, 2006.
2. A Paper titled “**Information Retrieval in Multilingual Environment**” presented at IEEE International Conference held at G.H.Raisoni College of Engineering Nagpur during 16-18<sup>th</sup> Dec. 2009, pp 648-652. (**SCOPUS Indexed/WoS**)
3. A Paper titled “**Phonetic Matching through Writing Style**” presented at ACM International Conference & Workshop on Emerging Trends in Technology (ICWET2010) at Thakur College of Engineering & Technology, Mumbai during Feb 26-27, 2010, pp 541-543. (**SCOPUS Indexed**)
4. A Paper titled “**Ontology Supported Inference System for Hindi and Marathi**”, selected for presentation and registered at IEEE International Conference on Technology Enhanced Education at Amritapuri, Kerla, India, during 3<sup>rd</sup>-5<sup>th</sup> Jan. 2012. (**SCOPUS Elsevier Indexed/WoS**)
5. A paper titled “**Layered Approach Using Advanced Artificial Neural Networks Method for IDS**” at International Conference on Emerging Research in Computing, Information, communication & Applications (ERCIA-2013)” Proceedings published by Elsevier Scopus publications 2013.
6. A paper titled “**De-duplication Approach with Enhance Security for Integrity**” at IEEE International Conference on Computing, Communication, Control And Automation (ICCA-2018)” at PCCOE, Pune. (**SCOPUS Elsevier Indexed/WoS**)
7. A paper titled “**Context Aware Computing System: A Survey**” at IEEE International Conference on I-SMAC during 30-31, August 2018 at Palladam, Tamil Nadu, India. (**SCOPUS Elsevier Indexed**)
8. A paper titled “**Content Centric Networks (CCN): A Survey**” at IEEE International Conference on I-SMAC during 30-31, August 2018 at Palladam, Tamil Nadu, India. (**SCOPUS Elsevier Indexed**)
9. A paper titled “**Proposed Battlefield Simulator using GPU**” published at ACM through proceedings of 5<sup>th</sup> International Conference on Bioinformatics Research and Applications during December 27-29, 2018, Hongkong. (**SCOPUS Elsevier Indexed/WoS/ACM Indexed**)
10. A paper titled “**Visualization of Furniture using CNN for Augmented Reality**” presented at International Conference on Emerging Trends in Engineering and Management Sciences Proceedings Proceedings during July 23-24, 2021, pp 50.
11. A paper titled “**DERMSCAN: Self-Diagnosis Artificial Intelligence Toll for Dermatological Disease Detection**” presented at International Conference on Emerging Trends in Engineering and Management Sciences Proceedings during July 23-24, 2021, pp 51.
12. A paper titled “**Improvement in Video Object Detection Methods using Classification**” presented at International Conference on Emerging Trends in Engineering and Management Sciences Proceedings during July 23-24, 2021, pp 105.



#### **National Conferences: 4**

1. A paper titled “**E-business**”, selected for presentation at CSI-BIG 2003 National convention at Vishakhapatnam during 10<sup>th</sup> -12<sup>th</sup> June 2003.
2. A paper titled “**Cryptography-Secure Way of Communication**”, selected at National convention of CSI, Bangalore in Aug.2002.
3. A paper titled “**Performance of MANET using Mobile-agent based Protocol**”, presented at National Conference on ‘Information & Communication Technology’ at D.J. Sanghvi College of Engineering, Mumbai during 24-26<sup>th</sup> Feb.2006.
4. A paper titled “**Proposed Multilingual Database Processing System**” presented at National conference on “Information & Communication Technology” at D.J. Sanghvi College of Engineering, Mumbai during Feb 29 – March 1<sup>st</sup>, 2008.

#### **EXPERT LECTURES DELIVERED: 07**

1. Session on “**Mobile Agent in Mobile Environment**” at Two-day course on “Mobile Computing with recent Trends & Future Challenges” at Thakur College of Engineering & Technology.
2. Sessions on “**Network Security & its Tools**” during STTP at D.J. Sanghvi College of Engineering, Mumbai.
3. Session on ‘**How to write Research Paper?**’ during FDP at Bhivarabai Sawant College of Engineering & Research, Narhe, Pune.
4. Session on “**C/C++**” for SE students at BSCOER, Narhe, Pune.
5. Session on ‘**Program Curriculum-Teaching Learning Process**’ at One Week FDP on ‘**Outcome-Based Education**’ at BSCOER, Pune during 25-30<sup>th</sup> April, 2016.
6. Session on “**Data Analytics: Case Studies**” at One Week STTP on “**Data Analytics using Machine Learning for HPC**” at MMCOE, Pune during 03-07<sup>th</sup> June, 2019.
7. Session on “**Research Challenges and Opportunities in IoT**” at 5-Day FDP on “**Advancements in IoT**” at MMCOE during 8<sup>th</sup> – 12<sup>th</sup> June, 2020.

#### **Declaration:**

I hereby declared that the above statements given by me are true and complete according to my knowledge.

**Date:**

**Dr. Sandeep M. Chaware**