



Sinhgad Technical Education Society's

**Sinhgad College of Engineering,  
Pune**

S.No. 44/1, Vadgaon (Budruk) Off. Sinhgad Road, Pune

**Dr. Nalini A. Mhetre**

**ME CSE (IT), Ph. D. (Computer  
Engineering)**

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### Academic Qualification

Degree	Subject	University Name	Year of Passing	Percentage	Grade	Qualification Status
PhD	Computer Engineering	SPPU, Pune	2022	-	-	Completed
ME	CSE (IT)	University of Pune	2009	63.27%	First Class	Completed
BE	Computer Engineering	Shivaji University Kolhapur	2000	66.14%	First Class with Distinction	Completed

### Subject Expertise

Subject	No Of Years	Remarks
Object Oriented Modeling and Design	3	At T.E. Computer Engg.
Data Structures and Algorithms	12	At S.E. Computer Engg.
Software Modeling and Design	2	At T.E. Computer Engg.
Software Testing and Quality Assurance	4	At B. E. Computer Engg.
Computer Networks	8	At T.E. Computer Engg.
Human Computer Interface	1	At B. E. Computer Engg.
Pervasive and Ubiquitous Computing	1	At B. E. Computer Engg.
Object Oriented Programming	3	At S.E. Computer Engg.
Data Structures Laboratory	12	At S.E. Computer Engg.
Computer Networks Laboratory	8	At T.E. Computer Engg.
Programming Laboratory 4	3	At B. E. Computer Engg.
Computer Laboratory 3	2	At T.E. Computer Engg.
Skill Development Laboratory	3	At T.E. Computer Engg.
Soft Skill Laboratory	2	At S.E. Computer Engg.
Web Technologies	2	At T.E. Computer Engg.
Principles of Programming Languages	2	At S.E. Computer Engg.
Seminar and Technical Communications Lab	3	At S.E. Computer Engg.

## Training Details

Training Title	Arrange By	Venue	Date	Level	Category
Design Thinking	SCOE, Pune	SCOE, Pune	Feb 2019	Training	Co-Curricular Activities
Learn How to Structure and Publish Scientific Content	SKNCOE, Pune	SKNCOE, Pune	Feb 2019	Research	Co-Curricular Activities
Research paper writing: tips and tricks	SKNCOE, Pune	SKNCOE, Pune	Feb 2017	Research	Co-Curricular Activities
AI- Machine Learning & Optimization"	ATAL Academy	IIIT, Allahabad	Feb 2021	Training	Co-Curricular Activities
Internet of Things (IoT)	ATAL Academy	BAIT, TN.	Feb 2021	Training	Co-Curricular Activities
Information Security and Digital Forensics	AICTE & AIT	AIT, Pune	Feb 2021	Training	Co-Curricular Activities
Artificial Intelligence & Ambient Intelligence	AICTE & HITS	HITS, Chennai	Feb 2021	Training	Co-Curricular Activities
FDP on "Principles Of Programming Languages (Semester Course 2019)"	BOS, SPPU and NBNSSOE, Pune	NBNSSOE, Pune	25-Jan-2021	Training	Co-Curricular Activities
FDP on Industry 4.0	SAE, Pune	SAE, Pune (Online)	1-Jan-21	Training	Co-Curricular Activities
FDP on "Object Oriented Programming"	BOS, SPPU and SITS, Pune	SITS, Pune	9-July-2020	Training	Co-Curricular Activities
Machine learning using Python	STES, Pune	STES, Pune (Online)	14-Aug-20	Training	Co-Curricular Activities
FDP on PHP and MYSQL	SKNCOE, Pune	SKNCOE, Pune (Online)	2-May-20	Training	Co-Curricular Activities
FDP on R training	SCOE, Pune	SCOE, Pune (Online)	2-May-20	Training	Co-Curricular Activities
FDP on Python 3.4.3	NBN SSOE, Pune	NBN SSOE, Pune (Online)	30-Apr-20	Training	Co-Curricular Activities
FDP on Data science	JSPM NTC, Pune	JSPM NTC, Pune (Online)	19-Oct-19	Training	Co-Curricular Activities
Machine learning	Stanford University	Stanford University (Online)	11-Jul-18	Training	Co-Curricular Activities
Workshop on Computer Networks	SKNCOE, Pune	SKNCOE, Pune (Online)	10-Jun-17	Training	Co-Curricular Activities

## Conference Details

Name	Venue	Date	Level	Category	Sponsored By
ICINC 2017	SKNCOE, Pune	Feb 2016	International	Research	BCUD, Pune
ICINC 2017	SKNCOE, Pune	Feb 2017	International	Research	BCUD, Pune
cPGCON 2016	PCCOE, Pune	Apr 2016	SPPU	Intra-Institutional Conference	SPPU, Pune
ICPC 2020	SCOE, Pune	Feb 2020	International	Research	SCOE, Pune
ICT4SD 2021	Goa	August 2021	International	Research	GR Foundation and KCCI

## Workshop Attended

Workshop Topic	Conducted By	Date	Level	Category	Type
Train the trainers -TE Comp	RMDSSOE, Pune	Jun 2017	SPPU	Co-Curricular Activities	External
Train the trainers-TE Comp	RMDSSOE, Pune	Dec 2017	SPPU	Co-Curricular Activities	Internal
Block chain Technology and Applications	TRAI, India.	Mar 2019	National	Seminar	External
Introduction to Scientific Computing in Python	SKNCOE, Pune	Dec 2017	National	Co-Curricular Activities	Internal
Train the trainers (TE Comp)	RMDSSOE, Pune	Dec 2014	SPPU	Quality Improvement Programs	Internal
Train the trainers (TE Comp)	RMDSSOE, Pune	Jun 2013	SPPU	Quality Improvement Programs	Internal
Workshop on Computer Networks	SKNCOE, Pune	Jun 2017	SPPU	Training	Internal
NBA and Outcome based Education	JSPM NTC, Pune	May 2020	National	Faculty Awareness Program	External
Cloud Computing and visualization	AMACOE, Thiruvannamalai	July 2020	National	Online Training	External
Build Your Own Machine Learning Model	BIOET, Hyderabad	July 2020	National	Online Training	External
Deep Learning Techniques – CNN, R-CNN	BVRIT, Narsapur, Telangana	July 2020	National	Online Training	External
Connected Devices Using Raspberry Pi and Cloud	CMR Engineering College, Hyderabad	July 2020	National	Online Training	External
The Science & Applications on NLP	GKM COET, Chennai	July 2020	National	Online Training	External
Machine Learning Approaches	IOAE, Dundigal, Hyderabad	July 2020	National	Online Training	External
Python Programming & Its Applications	Pachaiappas's College, Chennai	July 2020	National	Online Training	External
Renewable Energy Using MATLAB	PES COE, Aurangabad	July 2020	National	Online Training	External
Cognitive Radio	P.T.Lee. CA COET, Kanchipuram	July 2020	National	Online Training	External
IOT Systems	SA Engineering College, Chennai	July 2020	National	Online Training	External
AI With Machine Learning	SMK Forma, IT, Chennai	July 2020	National	Online Training	External
Person Identifier Using Python and OpenCV	ALIOET, Vijayawada, AP	July 2020	National	Online Training	External
Understanding AI Tools, Platforms & Services	ECFW, Chennai	July 2020	National	Online Training	External
Bio Medical Applications Using Deep Learning	MGIOT, Kokapet, Hyderabad	July 2020	National	Online Training	External
Cyber Security and Data Sovereignty	Zovy Studios Pune	July 2020	National	Online Training	External
5G Research as a Service	Ecode networks, London	Jan 2021	International	Online Training	External

## Research Projects

Project name	Description	Status	Budget	Project type
Public Key Cryptography for Cross- Realm Authentication in Kerberos	Research Project	Completed	200000	Research Project

## Research Papers and Journals

Paper Title	Publish Date	Journal/Conference Name	Level	Paper Status	Authors
Trust Management Model based on Fuzzy Approach for Ubiquitous Computing	2016	IJACI	International	Published	N.A.Mhetre
A novel approach for detection of SQL injection and cross site scripting attacks	2015	ICPC	International	Published	N.A.Mhetre
Classification of Intrusion Detection System	2015	IJCA	International	Published	N.A.Mhetre
Predicting road anomalies using sensors in smartphones	2016	Imperial journal of interdisciplinary research	International	Published	N.A.Mhetre
Integrity checking privacy preserving approach to cloud using third party auditor	2015	ICPC	International	Published	N.A.Mhetre
Survey of Genetic Algorithm Approach for Nurse Scheduling Problem	2015	IJSR	International	Published	N.A.Mhetre
A Survey of Intrusion Detection System for Web Application	2014	IJERT	International	Published	N.A.Mhetre
Privacy Preserving Integrity Verification for Securing Cloud Storage	2014	IJERT	International	Published	N.A.Mhetre
Using IoT in Supply Chain Management	2018	International Journal of Engineering and Techniques	International	Published	N.A.Mhetre
An Approach For Implementing A Multidimensional Recommendation System For Online Retail Services Or Portals	2017	International Education and Research Journal	International	Published	N.A.Mhetre
WSN-Life Enhancing Routing Algorithm	2014	IJCA	International	Published	N.A.Mhetre
Smart Car Parking by using RFID Code Tracking	2018	IJSRSET	International	Published	N.A.Mhetre
Device Classification-based Context Management for Ubiquitous Computing using Machine Learning	2021	IJEAT	International	Published	N.A.Mhetre
Experience Modelling for Ubiquitous Computing: A Mathematical Approach	2021	TURCOMAT	International	Published	N.A.Mhetre
Rethinking Access Control Mechanism for Ubiquitous Computing	2021	ICT4SD, Goa	International	Presented	N.A.Mhetre
Customized Safe Search and Parental Control through Desktop Browser Extension and Mobile Application with	2020	ICPC 2020	International	Published	N.A.Mhetre

Remote Control Configuration					
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## Membership Details

Membership Body	Details	Duration	Level
ISTE	Member of ISTE	Life membership	International

## Special Achievements, Awards & Recognitions

1	Received badge - Python for Data Science, issued by IBM on 18 Feb 2021.
2	Received badge - Data Analysis Using Python, issued by IBM on 19 Feb 2021.
3	Received badge issued by IBM for “Data Science Methodology”, on 13 June 2022.

## Certifications

1	Coursera certification on “Machine Learning” with 96% score, offered by Stanford University, July 2018.
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## Books Published

ISBN	Title	Publisher	Publish Year
978-93-5224-578-9	Software Engineering and Project Management	TechMAX, Pune	Jun 2017

## Declaration

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

Date: 06/10/2022

Dr. N.A.Mhetre