

Name of Faculty: Prof. Smita Sudhakarrao Deshmukh



Degree: ME Computer

Designation: Asst. Prof.

Email: smitadeshmukh@ternaengg.ac.in

Address for Correspondence: IT Department, Terna Engineering College, Plot 12, Phase-2, Sec-22, Opposite to Railway Station, Nerul (West), Navi Mumbai-400706.

Professional Qualification:

- **Master of Computer Engineering, 2012**
Mumbai University, Maharashtra
- **Bachelor of Computer Engineering, 2001**
PREC, Pune University, Maharashtra

Short Biodata:

Reviewer:

5th IEEE - International Conference on Advances in Science & Technology (IEEE-ICAST - 2022)

Major Subjects:

- Database, Data Mining & Business Intelligence, Data Science, Web

Citation Analysis:

36 citations (h-index 3 and i10-index 1) in google scholar

<https://scholar.google.com/citations?user=EwKcPTMAAAAJ&hl=en>

List of Conference Publications:

1. "Performance Analysis for Accuracy of Various Algorithms to Detect and Classify Brain Tumor Using Data Mining", Deshmukh Smita, Tiwari Divya, Proceedings of International Conference on Communication and Artificial Intelligence: ICCAI 2021, Springer Nature Singapore, 469-487,

October 2022.

2. “Detection and Classification of Brain Tumor Using Convolutional Neural Network (CNN)”, Deshmukh Smita, Tiwari Divya, Proceedings of International Conference on Machine Learning and Big Data Analytics (ICMLBDA) 2021), pages 289-303, Springer International Publishing, 2022.
3. “A Survey on Crawlers used in developing Search Engine”, Deshmukh Smita; Vishwakarma Kantilal, IEEE 5th International Conference on Intelligent Computing and Control Systems (ICICCS-2021) , pages 1446-1452, May 2021.
4. “Removing dust by metacrawler”, Deshmukh Smita, Chittekar Priti, IEEE 4th International Conference on Trends in Electronics and Informatics (ICOEI-2020), pages- 540-544, June 2020.
5. “Smart Drip Irrigation Using IOT”, Deshmukh Smita, Chavan Swati, Zodge Prajakta, Dalvi Pooja, Jadhav Akshaykumar, International Conference on Inventive Communication and Computational Technologies: Proceedings of ICICCT 2019, pages-1315-1321, Springer Singapur, 2020.
6. “Analysis of Metacrawler approach for URL based DUST removal by knowledge engineering systems”, Deshmukh Smita, Chittekar Priti, 3rd IEEE International Conference on Computing Methodologies and Communication (ICCMC-2019), pages- 699-701, March 2019.
7. “Building a single page application web front-end for E-learning site”, Deshmukh Smita, Mane Deepak, Retawade Abhijeet, 3rd IEEE International Conference on Computing Methodologies and Communication (ICCMC-2019), pages- 985-987, March 2019.
8. “Implementation of MapReduce Using Pig for Election Analysis”, Deshmukh Smita, Pachghare Anup, Jadhav Aniket, Panigrahi Sharad, Springer Singapur International Conference on Innovative Computing and Communications: Proceedings of ICICC 2018, Volume 2, pages-231-241, 2019.
9. “Secure Location Distribution on Mobile Device for Private Meeting”, Deshmukh Smita, Chavan Amita, Second IEEE International Conference on Intelligent Computing and Control Systems (ICICCS-2018), pages-1-4, 2018.
10. A Personalized Mobile Search Engine Based on User Preference” Deshmukh Smita, Pratima Rathod, IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI), Pages : 1136-1141, September 2017
11. “Lightweight Privacy-Preserving and Secure Communication Protocol for Hybrid Ad-Hoc Wireless Network” , Deshmukh Smita, Amita chavan, 3rd International Conference on Engineering Confluence Equinox 2017.
12. “Content Based Image Retrieval Using Hough Transform and Color Histogram”, Deshmukh Smita, Bhavesh Parmar, ICNEAC-2011, Volume-3, and ISBN: 978-81-8465-683-1, page 254-257, 2011.

Journal Publications:

1. “A Review on Detection of Diabetic Retinopathy using Deep Learning and Transfer Learning based Strategies”, Deshmukh, Smita, Bijam Pratik, International Journal of Computer (IJC)-Volume-45, Issue-1, pages-164-175, 2023.
2. “IoT Based Smart Home Automation System”, Deshmukh Smita, Tyagi Aakriti, Dindokar Gayatri, Kale

- Shraddha, Karale Mayur, Dhakulkar Bhagyashree, International Journal for Research in Engineering Application & Management (IJREAM), Volume-6, Issue-3, pages-34-41, June 2020.
3. "AI and ML-based-News Classifier for Share Market", Deshmukh Smita, Saxena Suyash, Devrukhkar Pooja, Sanil Sagar, International Research Journal of Engineering and Technology , volume 7, issue 5, pages- 2719-2723, 2020.
 4. "A Personalized Mobile Search Engine Based on User Rating", Deshmukh Smita, Pratima Rathod, IJIR, Vol-3, Issue -6, ISSN : 2454-1362, June 2017.
 5. "Secrete Sharing Based technique for Ensuring Authenticity of Gray Scale Document Images", Deshmukh Smita, Reshma Vartak, IJERGS, volume 3, Issue 2, April 2015.
 6. "Improved Search Results Using Pseudo Documents", Deshmukh Smita, KVK, IJARCSSE, Volume 5, Issue 3, March 2015.
 7. "Search Results Re-ranking Using User goals", Deshmukh Smita, KVK, IJERT, Volume 4, Issue 2, Feb 2015.
 8. "Improved Search Results Using Feedback sessions, Deshmukh Smita, KVK, IJTRA.com, Equinox 2015
 9. "Securing White and Black Image Using Cryptographic Shares", Deshmukh Smita, MKM, Dr. Deven Shah, IJRAT-2014, Volume: 2, Issue: 5, Paper Id: 212014107, page: 300-302, 2014.
 10. "Visual Cryptography: Keyless Approach for Image Encryption" Deshmukh Smita , MKM, IJRAT-2014, Volume: 2, Issue: 1, Paper Id: 25201475, page: 205-207, 2014.
 11. "Survey of Digital Image Authentication Techniques", Deshmukh Smita, RV, IJRAT-2014, Volume:2, Issue:7, paper Id:27201457 ,2014.
 12. "Visual Cryptography: Securing Shares with Public Key Encryption", Deshmukh Smita , MKM, ICAST-2014
 13. "Homography Estimation Using RANSAC" Deshmukh Smita, HP, IJREAT-2013, Volume-1, Issue-3, and ISSN: 2320-8791, 2013.

List of Workshops:

Sr. No.	Course/Seminar/Workshop	Year	Duration
1	Industry Institute Partnership	2003	One Day
2	Enterprise Application Integration-Service Oriented Approach	2007	One Week
3	Recent Trends in DSP and Applications	2008	One Week
4	DBMS and GUI	2008	One Week
5	Convergence of Technology	2009	One Week
6	Emerging Trends in Pattern Recognition	2010	Three Days
7	Emerging Trends in Wireless Networks and Security	2011	One Week
8	MATLAB and Simulink for Engineering Education	2011	One Day
9	Network Simulator NS-2	2012	Two Days
10	Introduction to Research Methodologies	2012	Ten Days
11	Aakash for Institution	2012	Two Days
12	Object Oriented Analysis and Design using UML with Essentials of Rational s/w Architect	2012	Five Days
13	IIT FDP On Database Management Systems	2013	Ten Days
14	CDAC training on "Parikshak"	2015	One Day

15	Data Mining	2015	Five Days
16	Matlab and Simulink	FH 2016	One Day
17	Matlab	FH 2016	Five Days
18	ION pride Faculty Development Program by TCS	SH 2016	One Day
20	Practical Approach and Hands on Training for Hadoop-Big Data	FH 2017	Two Days
21	FDP on Python Programming	SH2017	6 Days
22	Effective Research Methodology	FH 2018	Two Days
23	IIT's AICTE Approved FDP on "Foundation Program in ICT for Education"	FH 2018	2 Weeks
24	IIT's AICTE Approved FDP on "Pedagogy for Online and Blended Teaching Learning Process"	FH 2018	2 Weeks
25	FDP Orientation Program on E-Comm and E-Business	SH 2018	One Day
26	Advancement in Data Analytics	SH 2018	Six Days
27	Deep Learning and Applications	SH2019	Five Days
28	Usage of Technology in COVID-19	FH2020	Six Days
29	AI and Data Science –The Future of Tomorrow	SH2021	Six Days
30	Technology for Entrepreneurship	SH2022	Six Days

Software Tools:

MySQL, Postgrey SQL, VS Code, Node JS, WEKA, Rapid Miner, MATLAB, Apache Tomcat, .NET, Turbo C, XAMPP Server

Professional Association:

- Indian Society of Technical Education (ISTE) - Life Member

Experience:

- 20 + yrs

Responsibilities Handled:

- Alumni Cell In charge, Alumni Association Executive Committee Member, Lab In charge, Class Advisor , PG project coordinator, Senior supervisor for University exams, UBA Committee Member, Finance committee member for Equinox, Magazine committee member, Equinox Review Committee Member, NBA Criteria 5 In Charge, paper setter for university exams, syllabus setter for Mumbai University.

Declaration

I hereby declare that the foregoing information are correct and complete to the best of my knowledge.

Faculty Name: Prof Smita Deshmukh

Place: Navi Mumbai