

Name of Teaching Staff	:	Dr. Satishkumar Lalbahadur Varma	
Designation	:	Associate Professor	
Department	:	Department of Information Technology, Dwarkadas J. Sanghvi College of Engineering, Mumbai-400056, India.	
Date of Joining the Institution	:	04.11.2024	
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Publons Researcher ID:	:	https://www.webofscience.com/wos/author/record/3708179	
Scopus Author ID:	:	https://www.scopus.com/authid/detail.uri?authorId=35754119800	
DBLP Profile Link:	:	https://dblp.uni-trier.de/pid/29/7797	
Semantic Scholar ID:	:	https://www.semanticscholar.org/author/S.-Varma/5397888	
Springer Nature Link:	:	Springer Contributor	
IEEE Author ID:	:	https://ieeexplore.ieee.org/author/37996201400	
ACM Author ID:	:	https://dl.acm.org/profile/81456612180	
Website Link:	:	https://sites.google.com/view/vsat2k/Home	
Qualifications with Class / Grade	:	<ul style="list-style-type: none">● Doctor of Philosophy (Ph.D) in Computer Science & Engineering<ul style="list-style-type: none">○ Date of Registration: 05 Feb 2008 and Date of Viva Voce: 26 March 2013.○ Thesis Title: Content-Based Video Analysis and Retrieval○ Guide: Dr. Sanjay N. Talbar, Professor, SGGS Institute of E & T, Nanded.○ Center: SGGS Institute of E & T, Nanded – 431606.○ University: Swami Ramanand Teerth Marathwada University, Nanded, India.● Master of Technology (M. Tech) in Computer Engineering<ul style="list-style-type: none">○ Grade: Passed as regular student with First Class with distinction (72.14%) on 31-01-2004○ Project Title: Image Compression using SPIHT○ Guide: Dr. Sanjay N. Talbar, Professor & Head, Department of EXTC, DBATU.○ University: DBATU, Lonere – 402103, Maharashtra, India.● Bachelor of Technology (B. Tech) in Computer Engineering<ul style="list-style-type: none">○ Grade: Passed as a regular student with first class (62.33%) on 07-07-2000○ Project Title: ANN Training Using GA for Handwritten Numeral Recognition○ Guide: Dr. Arvind W. Kiwelekar, Professor & Head, Dept. of CE, DBATU.○ University: DBATU, Lonere – 402103, Maharashtra, India.	

Total Experience in Years	:	Total Teaching and Administration Experience: 25 Years <ul style="list-style-type: none"> ● Associate Professor: [6 Months] <ul style="list-style-type: none"> ○ Department of Information Technology, DJSCE, Vile Parle – 400056. <ul style="list-style-type: none"> ▪ Nov 2024 - till date ● Professor: [5 years 6 Months] <ul style="list-style-type: none"> ○ Department of Information Technology, PCE, New Panvel – 410206. <ul style="list-style-type: none"> ▪ Jan 2019 – Nov 2024: Professor & Head, IT ● Professor: [2 Years 6 Months] <ul style="list-style-type: none"> ○ Department of Computer Engineering, PCE, New Panvel – 410206. <ul style="list-style-type: none"> ▪ August 2016 – December 2018: Professor & Associate Dean R&D ● Associate Professor: [3 Years] <ul style="list-style-type: none"> ○ Department of Computer Engineering, PIIT, New Panvel – 410206. <ul style="list-style-type: none"> ▪ August 2015 – July 2016: Associate Professor ▪ August 2013 – July 2015: Associate Professor & Head, IT ● Assistant Professor: [8 Years] <ul style="list-style-type: none"> ○ Department of Computer Engineering, PIIT, New Panvel – 410206. <ul style="list-style-type: none"> ▪ August 2011 – September 2013: Assistant Professor & Head, IT ▪ January 18, 2011 – July 2011: Assistant Professor ○ Department of Computer Engineering, DBIT, Kurla – 400070. <ul style="list-style-type: none"> ▪ August 2010 – Jan 2011: Assistant Professor & Head ▪ July 2009 – July 2010: Assistant Professor ▪ July 2008 – June 2009: Assistant Professor & Head ▪ July 2006 – June 2008: Assistant Professor ● Lecturer: [5 Years] <ul style="list-style-type: none"> ○ Department of Computer Engineering, SAKEC, Chembur – 400088. <ul style="list-style-type: none"> ▪ 5 Semesters (January, 2004 - June, 2006) ○ Department of Computer Engineering, RMCET, Devorukh – 415804. <ul style="list-style-type: none"> ▪ 5 Semesters (September, 2001 - August, 2003) ○ Department of Computer Engineering, IoPE, DBATU, Lonere – 402103. <ul style="list-style-type: none"> ▪ 1 Semester (August 2000 - October, 2000)
Area of Specialization	:	<ul style="list-style-type: none"> ● Digital Image and Video Processing ● Artificial Neural Networks ● Machine Learning ● Deep Learning ● Data Science ● Data Mining and Information Retrieval ● Soft Computing
Professional Membership	:	<ol style="list-style-type: none"> 1. Life Member of Indian Society for Technical Education (ISTE): <ul style="list-style-type: none"> ● Membership No.: LM 58130 2. Life Member of The Institute of Electrical and Electronics Engineers (IEEE): <ul style="list-style-type: none"> ● Membership No.: 97672933 3. Computer Society of India (CSI): <ul style="list-style-type: none"> ● Membership No.: N1166619

Subjects Taught	<p>: UG Level Course Taught:</p> <ol style="list-style-type: none"> 1. Image Processing and Computer Vision 2. Machine Learning 3. Concepts and Algorithms of AI and ML 4. Deep Learning 5. Image and Video Processing 6. Quantum Computing 7. AI and Data Analytics 8. Big Data Analytics 9. Data Mining 10. Internet of Everything 11. Information Retrieval 12. Computer Vision 13. Object-Oriented Analysis & Design 14. Middleware and Enterprise Integration Technologies <p>PG Level Course Taught:</p> <ol style="list-style-type: none"> 1. Research Methodology 2. Data Science 3. Mathematical Foundations of Data Science 4. Soft Computing 5. User Experience Design 6. Advanced Operating Systems 7. Artificial Intelligence in Bioinformatics 8. Advance Web Technology 9. Object-Oriented Analysis & Design 10. Big Data and Business Analytics <p>PhD Level Course Taught:</p> <ol style="list-style-type: none"> 1. Research Methodology 2. Data Science
Recognized Teacher	<p>Ph.D Recognized Teacher</p> <ul style="list-style-type: none"> ● Ph.D Recognized Teacher in Information Technology: PG/2/ICD/2018-19/2570 Dated 19Mar2019 ● Ph.D Recognized Teacher in Computer Engineering: PG/2/ICD/2017-18/165 Dated 12Apr2017 <p>M.E Recognized Teacher</p> <ul style="list-style-type: none"> ● M.E Recognized Teacher in Computer Engineering: PG/ICD/2015-16/19370 Dated 18Nov2015 ● M.E Recognized Teacher in Information Technology: PG/ICD/2015-16/19354 Dated 18Nov2015

R&D Funded Project Executed	<p>R&D Funded Project Executed:</p> <ol style="list-style-type: none"> Scheme and Funding Agency: Maharashtra State Inter University Research Convention, Organized by Maharashtra University of Health Science, Nashik during January 12 - January 15, 2024. <ul style="list-style-type: none"> Organization: MES Pillai Institute of Information Technology, New Panvel Category: Medicine and Pharmacy (PPG Level, Category 6) Title: Analysis of Radiometric Features for Identification of Pneumonia Variant in Infant using Chest Radiograph Fellowship: Avishkar Research Fellowship from Governor of Maharashtra Grants (Lakhs): 1.00 Duration: 2024-26 Scheme and Funding Agency: ICSSR PFMS Scheme, ICSSR <ul style="list-style-type: none"> Organization: MES Pillai Institute of Information Technology, New Panvel Grants (Lakhs): 5.00 Duration: 2023-24 Scheme and Funding Agency: NPTEL Translator, IIT Madras <ul style="list-style-type: none"> Information Security-5-Secure Systems Engineering, in Hindi Language Grants (Lakhs): 0.16625 Duration: 2019-20 Scheme and Funding Agency: Minor Research Project, University of Mumbai <ul style="list-style-type: none"> Organization: MES Pillai Institute of Information Technology, New Panvel Grants (Lakhs): 0.40 Duration: 2019-20 Scheme and Funding Agency: Advanced Database Laboratory, MODROB, AICTE Sponsored <ul style="list-style-type: none"> Grants (Lakhs): 8.00 Duration: 2013-14 Scheme and Funding Agency: Aakash Project Equipment, MHRD Sponsored <ul style="list-style-type: none"> Organization: MES Pillai Institute of Information Technology, New Panvel Grants (Lakhs): 1.00 Duration: 2014-15
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Intellectual Property Rights	<p data-bbox="432 152 544 181">Patents:</p> <ol style="list-style-type: none"> <li data-bbox="485 208 1461 405">1. Pallavi Sapkale et al. A Modified Naive Bayes Classifier for Mode Switching and Mobility Management using Cellular Networks, European Patent Office, DRN: 2023041512270500EN, Filed on 15.04.2023 https://www.dpma.de/english/search/index.html [Published, Under Examination] <li data-bbox="485 416 1461 663">2. Mimi Cherian and Satishkumar L. Varma, "SDN Enabled Secure Framework for IOT Using Dynamic Counter-Based Approach And Deep Learning Model" Indian Patent Journal, Journal No. 18/2022, Application Number: 202221021778, Date of Application: 26 April 2022, Date of Publication: 06/05/2022, pp Under Examination. https://ipindiaservices.gov.in/ <li data-bbox="485 674 1461 875">3. Seema Redekar and Satishkumar L. Varma, Indian Patent Journal, Application Number: 202221050469, Date of Application: 04/09/2022, Publication Date: 23/09/2022, Published, Under Examination, The Patent Office Journal No. 38/2022 Dated 23/09/2022 pp. 60351. https://ipindiaservices.gov.in/
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Intellectual Property Rights	: Copyrights: <ol style="list-style-type: none">1. S. Benny and Satishkumar L. Varma, “Methodology for generating ground truth annotations for semantic segmentation,” Registration Number: L-150418/2024, Dated: 03/07/2024.2. Abhishek Vichare and Satishkumar L. Varma, “A Breakdown of the Steps followed to Implement CNN Model on ISEAR Dataset for Emotion Recognition,” Registration Number: L-150293/2024, Dated: 02/07/2024.3. Sujal Dusane, Zaid Ansari, Ebrahim Khatri, Shraddha Gaur, Satishkumar L. Varma, “Plant disease prediction using VGG16 and Inception”, Diary Number: 12314/2024-CO/SW Dated: 20/04/2024.4. Mimi Cherian and Satishkumar Varma, “Scalable and Efficient Python program to Detect and Mitigate DDoS attacks in SDN-IoT Networks using RYU Controller,” Diary Number: 16830/2022-CO/L, Registration Number: L-120523/2023 Dated: 11/01/2023.5. Madhura Vyawahare, Antara Howal, Yunus Khan, Atharva Golapkar, Siddhantha Bokade, Satishkumar Varma, “Dataset Preparation for American Sign Language Detection,” Diary Number : 21750/2022-CO/L, Registration Number: L-120523/2023, Dated : 11/01/2023.6. Ansari Mubin Sahid, Joshi Anuj Abhay, Chaudhari Jatin Tushar, Udyawar Karthik Ajit and Satishkumar Varma, Zeno - Truly cross platform monorepo with end to end type safety, Diary Number: 4307/2023-CO/SW.7. Sheetal Gawande, Satishkumar Varma, Shubham Verma, Kaustubh Giri, Sourabh Kshirsagar, “Datasheet For Web Application Vulnerabilities,” Registration Number: L-114920/2022 Dated: 28/04/2022.8. Satishkumar Varma, “A New Fast And Efficient Encoder: Cache-Based Coding For Error Free Image Data Compression,” Diary Number: 3021/2018-CO/L, Copyright Registration Number: L-74314/2018.
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Publications:	<p>: Peer-Reviewed Journal Publications:</p> <ol style="list-style-type: none"> 1. Abhishek Vichare and Satishkumar Varma, "An improved conversation emotion detection using hybrid f-nn classifier", Indonesian Journal of Electrical Engineering and Computer Science, March 2025. [Accepted] <ul style="list-style-type: none"> ■ https://www.scopus.com/sourceid/21100799500 ■ https://ijeecs.iaescore.com/index.php/IJECS 2. Kanchan Dabre, Satishkumar L. Varma, Pankaj B. Patil, RAPID-Net: Reduced architecture for pneumonia in infants detection using deep convolutional framework using chest radiograph, Biomedical Signal Processing and Control, Volume 87, Part A, January 2024, 105375. <ul style="list-style-type: none"> ● https://doi.org/10.1016/j.bspc.2023.105375 ● https://www.sciencedirect.com/science/article/pii/S174680942300808X ● https://www.scopus.com/sourceid/4700152237 ● Scopus Preview 3. Stephy Benny and Satishkumar L. Varma, "Attention-Enhanced Residual U-Net for Nucleus Segmentation in Immunohistochemistry Images," International Journal of Applied Engineering and Technology (London), 5(4), pp. 1266–1283, December, 2023. <ul style="list-style-type: none"> ● https://www.scopus.com/sourceid/21101052926 ● https://doi.org/10.61485/ijaet/v5-4-2023-138 ● Scopus Preview 4. Kanchan Dabre, Satishkumar L. Varma and Pankaj B. Patil, "Consolidation of Squeeze and Excitation with VGG16 for Pneumonia Diagnosis through Chest X-Ray Images," Stochastic Modelling and Computational Sciences, Roman Science Publications, Vol. 3, No. 2, pp. 336-354, 2023. ISSN: 2752-3829 <ul style="list-style-type: none"> ● https://www.scopus.com/sourceid/21101151614 ● https://doi.org/10.61485/SMCS.27523829/v3n2P12 ● Scopus Preview 5. Abhishek A. Vichare and Satishkumar L. Varma, "Analysis of Machine Learning and Deep Learning Techniques For Emotion Recognition Using English Text," International Journal of Applied Engineering and Technology (London), 5(4), pp. 427–442, 2023. <ul style="list-style-type: none"> ● https://www.scopus.com/sourceid/21101052926 ● https://doi.org/10.61485/ijaet/v5-4-2023-138 ● Scopus Preview 6. Kanchan R. Dabre and Satishkumar L. Varma, "Deep Architecture for Diagnosis of Pneumonia in Thoracic Images," International Journal of Applied Engineering and Technology (London), Vol. 5 No.4, pp. 487 495, 2023. <ul style="list-style-type: none"> ● https://www.scopus.com/sourceid/21101052926 ● https://doi.org/10.61485/ijaet/v5-4-2023-138 ● Scopus Preview
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7. Redekar, S.S., Varma, S.L. & Bhattacharjee, A. Gene co-expression network construction and analysis for identification of genetic biomarkers associated with glioblastoma multiforme using topological findings. J Egypt Natl Canc Inst 35, 22 (2023).
 - <https://doi.org/10.1186/s43046-023-00181-4>
 - <https://jenci.springeropen.com/articles/10.1186/s43046-023-00181-4>
 - <https://www.scopus.com/sourceid/6100153013>
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8. Mimi Cherian and Satishkumar Varma, "[Secure SDN–IoT Framework for DDoS Attack Detection Using Deep Learning and Counter Based Approach](#)". Journal of Network and Systems Management 31, 54 (2023).
 - <https://doi.org/10.1007/s10922-023-09749-w>
 - <https://dl.acm.org/doi/abs/10.1007/s10922-023-09749-w>
 - <https://www.scopus.com/sourceid/27287>
 - [Scopus Preview](#)
9. Mimi Cherian and Satishkumar Varma, "[Mitigation of DDOS and MiTM Attacks using Belief Based Secure Correlation Approach in SDN-Based IoT Networks](#)," International Journal of Computer Network and Information Security. Vol. 14 Issue 1, p52-68, Feb 2022.
 - <https://doi.org/10.5815/ijcnis.2022.01.05>
 - <https://www.scopus.com/sourceid/21100985663>
 - [Scopus Preview](#)
10. Seema Sandeep Redekar, Satishkumar L. Varma and Atanu Bhattacharjee, "[Identification of key genes associated with survival of glioblastoma multiforme using integrated analysis of TCGA datasets](#)," Elsevier Computer Methods and Programs in Biomedicine Update, Volume 2, Jan 2022.
 - <https://doi.org/10.1016/j.cmpbup.2022.100051>
 - <https://www.scopus.com/sourceid/21101145560>
 - [Scopus Preview](#)
11. Leena Bhuskute and Satishkumar Varma, "[Sentiment Analysis of Product Reviews](#)," International Journal of Advanced Science and Technology, 29(04): 7671 - 7677, June 2020.
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12. Ansa Jovel and Satishkumar Varma, "Machine Learning Techniques for Air Quality Prediction", Studies in Indian Place Names, by The Place Names Society of India, ISSN 2394-3114, UGC CARE Listed Vol 40, Issue No 68, Pg 461-470, March 2020.
 - <https://cukerala.ac.in/cukpdfs/IQAC/3.4.5/3.4.5.EDU.069.pdf>
 - [UGC Care List Journal](#)
13. Tejali Mhatre and Satishkumar Varma, "[Heart Disease Prediction using Evolutionary based Artificial Neural Network](#)," International Journal of Engineering Research and Technology, 8(8):518-522, August 2019.

	<ul style="list-style-type: none"> • https://www.scopus.com/sourceid/21100828027 • Scopus Preview <p>14. Shraddha G. Mhatre, Satishkumar Varma, and Rupali Nikhare, "Background Subtraction Motion Detection Techniques used in Visual Surveillance," International Journal of Innovations & Advancement in Computer Science, Academic Science, Vol. 4, Special Issue, pp. 105–119, September 2015.</p> <ul style="list-style-type: none"> • UGC Approved Journal No 47464 <p>15. Swapnil Waghmare, Madhumita Chatterjee, and S. L. Varma, "Authentication System for Android Smartphones," International Journal of Computer Applications, 87(5):19–24, February 2014.</p> <ul style="list-style-type: none"> • https://doi.org/10.5120/15204-3602 • https://www.scopus.com/sourceid/17600155113 • Scopus Preview • UGC Approved Journal No 64190 (till May 2018) <p>16. Satishkumar L Varma and Sanjay N Talbar, "Dynamic Threshold in Clip Analysis and Retrieval," International Journal of Image Processing – IJIP, 5(4):417–424, Oct. 2011.</p> <ul style="list-style-type: none"> • UGC Journal No 48868 <p>17. Satishkumar L. Varma and Sanjay N. Talbar, "SUCCESeR: Simple and Useful Multi Color Concepts for Effective Search and Retrieval," International Journal of Advanced Computer Science and Applications, Special Issue on Image Processing and Analysis, pp. 98-104, May 2011.</p> <ul style="list-style-type: none"> • https://dx.doi.org/10.14569/SpecialIssue.2011.010114 • UGC Journal No 46041 • WoS Master Journal List - SCI Journal • Scopus Preview <p>18. Sanjay N. Talbar and Satishkumar L Varma. Article: Color Spaces for Transform-based Image Retrieval. International Journal of Computer Applications 9(12):4–6, November 2010, FCS-USA. DOI:10.5120/1441-1949.</p> <ul style="list-style-type: none"> • https://doi.org/10.5120/1441-1949 • UGC Approved Journal No 64190 (till May 2018)
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Publications	<p>: Book Series & Chapters Publications:</p> <ol style="list-style-type: none"> 1. Ekta Ukey and Satishkumar Varma, "Video Surveillance based on Moving Vehicle Detection using Adaptive Gaussian and Otsu Thresholding", 5th Intl. Conf. on Emerging Trends and Technologies on Intelligent Systems (ETTIS 2025), 19th - 21st March 2025. [Accepted and Presented] 2. Abhishek A. Vichare and Satishkumar Varma, "Detection of Emotional Cues of Depression Due To COVID-19 Pandemic," Pandemic Detection and Analysis through Smart Computing Technologies, CRC Press, Taylor & Francis, June 2022, Hard ISBN: 9781774910320 E-Book ISBN: 9781003281610 [Apple Academic Press]. 3. Mimi Cherian and Satishkumar Varma, Integration of IoT and SDN to Mitigate DDoS with RYU Controller ebook Computer Networks, Big Data and IoT, Springer Nature Singapore Volume 66 Springer, Singapore ISSN: 2367-4512 ISSN 2367-4520 Print ISBN: 978-981-16-0964-0 eBook ISBN: 978-981-16-0965-7 Edition: 2021. [DOI: https://doi.org/10.1007/978-981-16-0965-7] [Part of the Lecture Notes on Data Engineering and Communications Technologies book series (LNDECT, volume 66)] 4. S Chavan and Satishkumar Varma, Vehicle Number Plate Recognition for Toll System. Springer, Singapore ISSN: Print ISBN: 978-981-15-4850-5 eBook ISBN: 978-981-15-4851-2 Edition: 2020. [DOI: https://doi.org/10.1007/978-981-15-4851-2] [Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 1162)] 5. Chavan S.S., Fernandes C., Dumane P.R., Varma S.L. Design and Implementation of Automatic Coin Dispensing Machine. <i>Communications and Cyber Physical Engineering, Lecture Notes in Electrical Engineering, Volume 570, pp. 379-385. Springer, Singapore</i>, ISSN: Print ISBN: 978-981-13-8714-2 eBook ISBN: 978-981-13-8715-9 Edition: 2019. [Chapter DOI: 10.1007/978-981-13-8715-9_46] [Part of the Lecture Notes in Electrical Engineering book series (LNEE, volume 570)] 6. Satishkumar Varma and Megha Shinde, Satishkumar S. Chavan, Analysis of PCA and LDA Features for Facial Expression Recognition Using SVM and HMM Classifiers. Techno-Societal 2018. Springer, Cham. ISSN: Print ISBN: 978-3-030-16847-6 eBook ISBN: 978-3-030-16848-3 Edition: 2019. [DOI: https://doi.org/10.1007/978-3-030-16848-3_11]
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7. Satishkumar L. Varma and Satishkumar S. Chavan, "[Automated Detection of Malaria Parasite Based On Thick and Thin Blood Smear Images](#)," *Computing, Communication and Signal Processing, Volume 1, Chapter 98, Springer Series Advances in Intelligent Systems and Computing, Volume 810*, ISSN: 2194-5357 | Print ISBN-13: 978-981-13-1512-1 | eBook ISBN: 978-981-13-1513-8 | Edition: 2018. [Chapter DOI: 10.1007/978-981-13-1513-8_98]
8. Nymphia Pereira and Satishkumar L. Varma, "[Financial Planning Recommendation System Using Content-Based Collaborative and Demographic Filtering](#)," *Smart Innovations in Communication and Computational Sciences, Volume 1, pp. 141–151, Springer Book Series: Advances in Intelligent Systems and Computing, LNCS, Springer Singapore*, ISSN-9: 32194-5357 | Print ISBN-13: 978-981-10-8967-1 | Electronic ISBN: 978-981-10-8968-8 | Edition: 2017. [Also Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 669)]
9. S. Sangeetha and S. Varma, "[User Log Based Image Re-ranking and Retrieval](#)," *Advances in Intelligent Systems Research, Atlantis Press, Springer Nature, Volume 137*, 2017. ISBN: 978-94-6252-305-0.
10. S. L. Varma and S. N. Talbar, "[Video Retrieval Using Local Binary Pattern](#)," *Smart Innovation, Systems and Technologies, Volume 31, pp. 123–130, Springer Book Series 11156, LNCS, Springer*, ISSN-9: 32194-5357 | ISBN-13: 978-81-322-2205-7 | Edition: 2015.
11. S. L. Varma and S. N. Talbar, "[Wavelet and Hadamard Transforms for Image Retrieval Using Color Models](#)," *Communications in Computer and Information Science Volume 101, pp. 336–338, LNCS, Springer*, ISBN-10: 3642157653 | ISBN-13: 978-3642157653 | Edition: 2010.

Publications	<p>: Papers Published in Journals:</p> <ol style="list-style-type: none"> 1. Cherian, M.M., Varma, S.L. SDN Enabled Secure Framework for IoT using Dynamic Counter-Based Approach and Deep Learning Model. Network Modeling and Analysis in Health Informatics and Bioinformatics (2022) (Accepted). 2. Seema Sandeep Redekar, Satishkumar L. Varma and Atanu Bhattacharjee, "Identification of key genes associated with survival of glioblastoma multiforme using integrated analysis of TCGA datasets," Elsevier Computer Methods and Programs in Biomedicine Update, Volume 2, Jan 2022. 3. Mimi Cherian and Satishkumar Varma, "Mitigation of DDOS and MiTM Attacks using Belief Based Secure Correlation Approach in SDN-Based IoT Networks," International Journal of Computer Network & Information Security. Vol. 14 Issue 1, p52-68, Feb 2022. 4. Adarkar Amol, Sharma Smriti, Bharambe Rishikesh, Gladson Roy and Satishkumar Varma, "Fruit Classification and Calories Measurement using Machine Learning and Deep Learning," International Research Journal of Engineering and Technology, vol.8 issue 5, pp 3476-3481, May 2021. 5. Leena Bhuskute and Satishkumar Varma, "Survey on Text Classification," International Journal of Innovative Science and Research Technology, 5(7):543-549. ISSN No:-2456-2165, July 2020. 6. Leena Bhuskute, Satishkumar Varma. Sentiment Analysis of Product Reviews. SERSC International Journal of Advanced Science and Technology, 29(04): 7671 - 7677, June 2020. 7. Rohit Prasannakumar, Kiran Khatkale, Gauri Raghuwanshi, Shashank Pramod, and Satishkumar Varma, "Abnormality Classification and Detection in Musculoskeletal Radiographs," International Research Journal of Engineering and Technology (IRJET), 7(5):7520-7526, May 2020. 8. Tejali Mhatre and Satishkumar Varma, "Heart Disease Prediction using Evolutionary based Artificial Neural Network," International Journal of Engineering Research and Technology, 8(8):518-522, August 2019. 9. Tejali Chandrakant Mhatre and Satishkumar Varma, "Comparative study on data mining techniques used to predict risk of Heart Disease," International Journal of Engineering and Computer Science, 8(8):24829-24833, August 2019. 10. Yugandhara Gawand and Satishkumar Varma, "Enhanced Opinion Mining Approach for Product Reviews," International Journal of Innovative Science and Research Technology (IJISRT), Volume 4, Issue 8, pp. 612-615, August 2019. 11. Yugandhara Gawand and Satishkumar Varma, "Feature-Based Opinion Mining for Product Reviews: A Review," International Journal of Innovative Research in Computer and Communication Engineering, Vol. 7, Issue 7, pp. 3539-3542, July 2019.
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12. Pallavi Kadam and Satishkumar Varma, "[Lung Cancer Feature Selection using Minimum Spanning Tree Based Clustering](#)", International Journal of Engineering And Computer Science (IJECS), 7(12):24439-24447, Dec 2018.
13. Pallavi Kadam and Satishkumar Varma, "[Survey on Lung Cancer Feature Selection Algorithms](#)", International Journal of Computer Science Trends Technology (IJCT), 6(5):103-108, Sept 2018.
14. Megha Shinde and Satishkumar Varma, "[Feature Extraction and Classification Techniques for Emotion Detection And Recognition: A Survey](#)," Journal for Advanced Research in Applied Sciences, 4(2):203-209, July 2017.
15. Priyanka Gaonkar, Satishkumar Varma and Rupali Nikhare, "[Content Based Audio Retrieval using Chord](#)," International Journal of Engineering Development and Research, 5(2):1587-1595, June 2017.
16. Priyanka Gaonkar, Satishkumar Varma and Rupali Nikhare , "[A Survey on Content-Based Audio Retrieval Using Chord Progression](#)," International Journal of Innovative Research in Computer and Communication Engineering, 4(1):629-636, January 2016
17. Kirti Mirgal and Satishkumar Varma, "[Frequent Pattern Mining and Analysis in DNA Subsequence](#)," International Journal of Science Technology & Engineering, 3(3):129-134, September 2016.
18. Kirti L Mirgal and Satishkumar Varma, "[A Survey on Frequent Pattern Mining Techniques in Sequence Data Sets](#)," International Journal for Innovative Research in Science & Technology, 3(3):46-48, August 2016.
19. Shilpa Gonbare, Satishkumar Varma and Manjusha Deshmukh, "[Discrimination Prevention with Privacy Preservation in Data Mining](#)," International Journal of Advanced Engineering, Management and Science, 2(7), 1118-1122, July 2016.
20. Manasi Choche and Satishkumar Varma, "Content Based Classification of Audio Using MPEG-7 Features," International Journal of Advanced Research in Computer Engineering & Technology, 5(6):1995-2001, June 2016.
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Publications	<p>: Papers Presented in International Conferences:</p> <ol style="list-style-type: none"> 1. Nymphia Pereira and Satishkumar Varma, "Financial Planning Recommendation System Using Content Based, Collaborative and Demographic Filtering," Springer International Conference on Smart Innovations in Communications and Computational Sciences (ICSICCS-2017) Moga, Punjab, India, 23-24 June 2017. 2. S. Sangeetha and S. Varma, "User Log Based Image Re-ranking and Retrieval," 2nd International Conference on Communication and Signal Processing (ICCASP 2016), Atlantis Press, Springer Nature, Vol. 137, Pp. 653-660. 3. Shraddha. G Mhatre, Satishkumar Varma, and R. Nikhare, "Visual Surveillance Using Absolute Difference Motion Detection", <i>Proceeding of International Conference on Technologies for Sustainable Development, IEEE</i>, Mumbai, February 2015. 4. Satishkumar Varma and Sanjay Talbar, "Video Retrieval Using Local Binary Pattern," <i>Computational Intelligence in Data Mining - Proceedings of the International Conference on CIDM, Springer</i>, Volume 1, pp.123-130, December 2014, ISSN: 2194-5357. 5. Jeril George, Satishkumar Varma and Madhumita Chatterjee, "Color Image Watermarking using DWT-SVD and Arnold Transform," <i>Proceedings of the Int. Conf. on India Conference (INDICON), IEEE</i>, pp. 1-6, December 2014. ISBN: 978-1-4799-5362-2 6. Pankaj Phadtare, Satishkumar Varma, and Pragnesh Shah, "Ontology Usage and Analysis in the Semantic Web," <i>Proceedings of 8th IRF International Conference</i>, pp. 01 – 04, May 2014, ISBN: 978-93-84209-12-4 7. Vishvas V. Kalunge and S. L. Varma, "Role of Genetic Algorithm in Fractal Image Compression", <i>IRNet International Conference on Computer Science and Information Technology</i>, April 15, 2012. 8. Satishkumar L. Varma and Sanjay N. Talbar, "Local Entropy and Local Moments for Video Indexing and Retrieval," <i>International Conference on Systemics, Cybernetics & Informatics</i>, Hyderabad, A.P, India, February 15 – 18, 2012. 9. Satishkumar L. Varma and Sanjay N. Talbar, "ViSum: Video Summarization Using Dynamic Threshold," <i>Third International Conference on Emerging Trends in Engineering and Technology (ICETET 2010)</i>, pp.120-123, November 2010, Goa, India, ISBN: 978-0-7695-4246-1. 10. S. L. Varma and S. N. Talbar, "Wavelet and Hadamard Transforms for Image Retrieval Using Color Models," <i>International Conference on Advances in Information and Communication Technologies</i>, CCIS, Vol. 101, pp. 336–338, Springer, 2010, ISBN: 978-3-642-15765-3S.
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18. Simran Kaur Inderdeep Singh Shembe and Satishkumar L Varma, "IOT based Healthcare Monitoring System using Deep Learning" in 5th International Conference on Advanced Technologies for Societal Applications on 13th and 14th December 2024, Pandharpur, India.
19. Stephy Johnson and Satishkumar L. Varma, "Enhancing Immunohistochemistry Nuclei Segmentation with SE-ReAttUnet: A Deep Learning Approach," 14th International Conference on Science and Innovative Engineering, Malaysia, April 2024.
20. Pritam Pawar and Satishkumar L. Varma, "Micro Expression Recognition using CNN," in the International Conference on Intelligent Computing and Networking (IC-ICN 2024) organized during February, 23rd and 24th, 2024 at Thakur College of Engineering and Technology, Kandivali (E), Mumbai.

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36. Satishkumar L. Varma and Satishkumar S. Chavan, "[Automated Detection of Malaria Parasite Based On Thick and Thin Blood Smear Images](#)," *Third International Conference on Computing, Communication and Signal Processing (ICCASP 2018)*, Springer, at DBATU Lonere-Raigad, India on January 26–27, 2018.
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Publications	<p data-bbox="430 145 1021 179">: Papers Presented in National Conferences:</p> <ol style="list-style-type: none"> <li data-bbox="478 235 1460 347">1. Pankaj Phadtare, Satishkumar Varma and Pragnesh Shah, "Use of Ontology in Semantic Web," <i>National Conference on Emerging Trends in Information Technology</i>, March 2014. <li data-bbox="478 358 1460 515">2. Satishkumar L. Varma and Sanjay N. Talbar, "Content-based Video Indexing and Retrieval using region properties," <i>Nat. Conf. on Communication, Computing, and Network Techniques</i>, pp. 92–96, March 2013. <li data-bbox="478 526 1460 683">3. Satishkumar Varma, Royston Alex, Rinku Purswani, Franklin Moraes and Anujeet Palav, "Transform Based Image Retrieval," <i>National Conference on Intelligent Information Retrieval</i>, NCIIR, 24-25 Sep 2010, PSG College of Technology, Coimbatore, India. <li data-bbox="478 694 1460 851">4. S. L. Varma and S.N. Talbar, "IRMoment Image Indexing and Retrieval by Combining Moments," 3rd <i>National Conference on Signal and Image Processing Application</i>, IET-UK Digital Library, IET Digest, Volume 2009, Issue 1, pp. 38, ISBN: 978-1-84919-193-7. <li data-bbox="478 862 1460 974">5. S. L. Varma, S.S. Chavan and S.N. Talbar, "Performance Analysis using SPIHT over DCT Coefficients for Still Image Compression," <i>National Conference on Image Processing</i>, TSCE, Bandra, India, February 2005. <li data-bbox="478 985 1460 1142">6. S. L. Varma, Satish S. Chavan and S.N. Talbar, "Performance Evaluation for still image compression using wavelet based Embedded Zerotree Wavelet algorithm," <i>National Conference on Image Processing</i>, T SEC, Bandra, Mumbai, pp.III-8-12 Feb. 11-12, 2005. <li data-bbox="478 1153 1460 1310">7. S. S. Chavan, S. L. Varma and S.N. Talbar, "Performance Analysis using SPIHT over DCT Coefficients for Still Image Compression," <i>National Conference on Image Processing</i>, TSEC, Bandra, India, pp.III-13-17, February 11-12, 2005 <li data-bbox="478 1321 1460 1568">8. S. L. Varma, S.S. Chavan and S.N. Talbar, "Significant Performance Improvement in Still Image Compression by Wavelet Tree Coding Algorithms and Analysis," <i>International Conference on Number Theory and Fourier Techniques</i>, SHANMUGHA Arts, Science, Technology & Research Academy, Kumbakonam, Tamilnadu, pp.16–21 , December 2004.Kumbakonam, India.
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Institute/Department Responsibility handled:	: <div data-bbox="443 147 831 181" data-label="Section-Header"> 1. Teaching Responsibilities </div> <div data-bbox="496 188 941 304" data-label="List-Group"> <ul style="list-style-type: none"> ○ Ph.D Teacher: 8 Years ○ M.E/ M.Tech Teacher: 15 Years ○ B.E/ B.Tech Teacher: 25 Years </div> <div data-bbox="443 315 912 349" data-label="Section-Header"> 2. Administrative Responsibilities </div> <div data-bbox="496 356 1465 1151" data-label="List-Group"> <ul style="list-style-type: none"> ○ Professor & Head: 5 Years and 6 Months <ul style="list-style-type: none"> i. Presented Department Successfully to National Board of Accreditation (NBA) at MES Pillai College of Engineering, New Panvel on May 11, 2022. ii. Presented Department Successfully to UGC Expert Committee for the Grant of Fresh Autonomous Status at MES Pillai College of Engineering, New Panvel on October 18-19, 2021 iii. Presented Department Successfully to NAAC at MES Pillai College of Engineering, New Panvel on November 26, 2019. ○ Professor & Associate Dean R&D at MES Pillai College of Engineering, New Panvel during August 2016 – December 2018. ○ Associate Professor & Head at MES Pillai College of Engineering, New Panvel during August 2013 – July 2015. ○ Assistant Professor & Head at MES Pillai College of Engineering, New Panvel during August 2011 – September 2013. ○ Assistant Professor & Head, Department of Computer Engineering, DBIT, Kurla during August 2010 – Jan 2011. ○ Assistant Professor & Head, Department of Computer Engineering, DBIT, Kurla during July 2008 – June 2009. </div>
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Reviewer in Journal	<p data-bbox="432 145 916 181">Reviewer in Journal/Book Chapter</p> <ol style="list-style-type: none"> <li data-bbox="483 190 1134 264">1. Transactions on Image Processing (TIP), IEEE ◦ https://www.scopus.com/sourceid/25534 <li data-bbox="483 273 1307 347">2. Biomedical Signal Processing and Control (BSPC), Elsevier ◦ https://www.scopus.com/sourceid/4700152237 <li data-bbox="483 356 1313 430">3. Biocybernetics and Biomedical Engineering (BBE), Elsevier ◦ https://www.scopus.com/sourceid/19400158663 <li data-bbox="483 439 1211 512">4. Control and Cybernetics (CandC), Walter de Gruyter ◦ https://www.scopus.com/sourceid/12928 <li data-bbox="483 521 1437 595">5. Computers, Materials and Continua (CMC), Tech Science Press (TPS) ◦ https://www.scopus.com/sourceid/24364 <li data-bbox="483 604 1318 678">6. Signal, Image and Video Processing (SIVP), Springer Nature ◦ https://www.scopus.com/sourceid/6200180165 <li data-bbox="483 687 1206 761">7. Informatica (Slovenia), Slovene Society Informatika ◦ https://www.scopus.com/sourceid/25507 <li data-bbox="483 770 1461 891">8. International Journal of Imaging Systems and Technology, John Wiley & Sons ◦ https://www.scopus.com/sourceid/35932 <li data-bbox="483 900 1461 1021">9. International Journal of Innovative Computing and Applications (IJICA), Inderscience Publishers ◦ https://www.scopus.com/sourceid/17800156773
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Reviewer in Conferences	<p>: Reviewer in Conferences</p> <ol style="list-style-type: none"> 1. Reviewer in International Conference on Emerging Trends in Computer Science & Engineering (ICETCSE), June 23-26, 2025. 2. Reviewer in 2nd International Conference on Technologies for Energy, Agriculture and Healthcare, K J Somaiya School of Engineering, 5th-6th June 2025. 3. Reviewer in International Conference on Intelligent Computing and Big Data Analytics ICICBDA 2024, RAIT Navi Mumbai. 4. Reviewer Invitation for 1st International Conference on Integration of Computational Intelligent System (ICICIS-2023) organized by The School of Engineering at Ajeenkya DY Patil University, Pune, from 1st to 4th November 2023. 5. Participating as a reviewer at the 3rd International Conference on Advanced Computing Technologies and Applications-2023 (ICACTA), organized by SVKM's Dwarkadas J. Sanghvi College of Engineering on the 6th and 7th of October 2023. 6. Reviewer for the 2022 International Conference on Industry 4.0 Technology (I4tech 2022) at Department of Instrumentation Engineering, Vishwakarma Institute of Technology Pune, to be held from 22 to 24 September 2022. 7. Reviewer for 5th IEEE-International Conference on "Advances in Science & Technology (IEEE-ICAST - 2022)" at KJSIEIT, Sion, Mumbai, Aug 1, 2022. 8. Reviewer in International Conference on Innovations in Computer Science, Electronics and Electrical Engineering, ICICEEE 2022 organized by Annasaheb Dange College of Engineering and Technology, Ashta, Sangli, India, February 14-15, 2022. 9. Reviewer in 4th IEEE Pune Section International Conference on INNOVATION IN ENGINEERING, DESIGN & HOLISTIC EDUCATION, IEEE PuneCon 2021, December 16-19, 2021. 10. Book chapter reviewer "Computational Intelligence in Image and Video Processing" CRC Press, Taylor & Francis, USA, October 30, 2021. 11. Reviewer in International Conference on Advances in Technology and Management ICATM-2021 organized by A.C.PATIL College of Engineering, Kharghar, Panvel, Raigad, Maharashtra, India, September 23-24, 2021.. 12. Reviewer in IEEE & IAS Technically Co-Sponsored 4th Biennial International Conference on Nascent Technologies in Engineering Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, India January 15-16, 2021 13. Reviewer in IHCI2020: 12th International Conference on Intelligent Human Computer Interaction EXCO, Daegu, South Korea, November 24-26, 2020.
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14. Reviewer in Pandemics-2021: Pandemic Detection and Analysis through Smart Computing Technologies Oct 2020.
15. 2nd International Conference on Advances in Science and Technology (ICAST-2019) at K. J. Somaiya Institute of Engineering and Information Technology Sion, in Association With The Institution of Engineering and Technology (The IET, India) University of Mumbai, April 8-9, 2019.
16. First International Conference on Smart Internet of Everything (Smart IoE), MIT School of Engineering, Pune, Maharashtra, India on 14-15th January 2019.
17. IEEE Technically Co-Sponsored, 3rd Biennial International Conference on Nascent Technologies in Engineering, Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, India, January 04-05, 2019.
18. International conference on Data Science and Analytics, IEEE Pune Con (44533), 2018 at Symbiosis Institute of Technology, Pune.
19. 3rd International Conference on Computing, Communication and Signal Processing (ICCASP), organized by Dr. Babasaheb Ambedkar Technological University in Lonere-Raigad, India on January 26–27, 2018.
20. International Conference On *Emerging Research trends In Applied Engineering and Technology* (ICERAT-2016), Konkan Gyanpeeth College Of Engineering, Karjat, on 1st And 2nd April 2016
21. 2nd International Conference on Computing, Communication and Signal Processing (ICCASP), organized by Dr. Babasaheb Ambedkar Technological University in Lonere-Raigad, India 26 - 27, December, 2016..
22. International Conference on *Engineering Confluence (ICEC)* on 30th September & 1st October 2015, Terna Engineering College, Nerul, Navi Mumbai.
23. IEEE *International Conference on Industrial Instrumentation and Control*, College of Engineering Pune, 28th - 30th May 2015.
24. International Conference on *Technologies for Sustainable Development*, proceedings to be published in IEEE Xplore, DBIT, Kurla, February 4-6, 2015.
25. International Conference on *Advances in Science and Technology* (ICAST 2014), Saraswati College of Engineering, Navi Mumbai, November 11-12, 2014
26. VIT International Conference on *Recent Advances and Challenges in Engineering and Management* (RACEM-2014), IEEE Bombay Section, April 3-4, 2014.
27. International Conference on *Green Computing and Technology*, ICGCT, organized SIES Graduate School of Technology, Nerul, Navi Mumbai during 5-6th September 2013.

		<p>28. National Conference on <i>Communication, Computing and Networking Technologies</i> (NCCCNT-13) organized at SGGSIE&T during 15-16th March 2013.</p> <p>29. National Conference on <i>Tech Streams</i> - organized at Pillai HOC College of Engineering & Technology, Rasayani, Raigad during 21-22nd February 2014.</p>
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<p>Certification Courses</p>	<p>: Certification Courses:</p> <ol style="list-style-type: none"> 1. Successfully completed a 8-Week NPTEL online course on "Research Methodology", with a consolidated score of 71% conducted on 22-03-2025 by IIT Kharagpur and funded by the Ministry of HRD, Govt. of India, during January - April 2024. [Certificate] 2. Successfully completed a 12-Week NPTEL online course on "Patent Law for Engineers and Scientists", with a consolidated score of 58% conducted on 03-05-2025 by IIT Madras and funded by the Ministry of HRD, Govt. of India, during February - April 2025. [Certificate] 3. Successfully completed a 4-Week NPTEL online course on "Patent Drafting for Beginners", with a consolidated score of 50% conducted on 23-03-2025 by IIT Madras and funded by the Ministry of HRD, Govt. of India, during February - March 2025. [Certificate] 4. Completed the course 2020 PLAYBACK - Strategic Approach to Plagiarism Screening, IEEE CMT, Credit Hours: 1 Professional Development Hour / .1 Continuing Education Units, July 19, 2022. [Certificate] 5. Completed the course 2020 PLAYBACK - Peer Review - Overview July 19, 2022, IEEE CMT, Credit Hours: 1 Professional Development Hour / .1 Continuing Education Units, July 19, 2022. [Certificate] 6. Completed the course IEEE Conference Publications Overview, IEEE CMT, Credit Hours: 1 Professional Development Hour / .1 Continuing Education Units, July 19, 2022. [Certificate] 7. Successfully completed a 12-Week NPTEL online course on "Introduction to Internet of Things", with a consolidated score of 88% conducted by IIT Kharagpur and funded by the Ministry of HRD, Govt. of India, during January - April 2020. [Certificate] 8. Successfully completed a 4-Week NPTEL online course on "Python for Data Science", with a consolidated score of 92% conducted by IIT Madras and funded by the Ministry of HRD, Govt. of India, during January - February 2020. [Certificate] 9. Successfully completed a 4-Week NPTEL online course on "Patent Drafting for Beginners", with a consolidated score of 50% conducted by IIT Madras and funded by the Ministry of HRD, Govt. of India, during February - March 2018. [Certificate] 10. Successfully completed an 8-Week NPTEL online course on "Data Science for Engineers", with a consolidated score of 72% (Elite Grade), conducted by IIT Madras and funded by the Ministry of HRD, Govt. of India, during February - March 2018. [Certificate] 11. Successfully completed an 8-Week NPTEL online course on "Introduction to Research" with a consolidated score of 75% (Elite Grade), conducted by IIT Madras and funded by the Ministry of HRD, Govt. of India, during July - September 2017. [Certificate]
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	<p>12. Successfully completed a 4-Week NPTEL online course on “Digital Image Processing of Remote Sensing Data” with a consolidated score of 72% (Elite Grade), conducted by IIT Roorkee and funded by the Ministry of HRD, Govt. of India, during July - August 2017. [Certificate]</p> <p>13. Successfully completed an 8-Week NPTEL online course on “Introduction to Modern Application Development” with a consolidated score of 70% (Elite Grade), conducted by IIT Madras and funded by the Ministry of HRD, Govt. of India, during January - March 2017. [Certificate]</p> <p>14. Successfully completed an 8-Week NPTEL online course on “Outcome Based Pedagogic Principles for Effective Teaching” with a consolidated score of 78% (Elite Grade), conducted by IIT Kharagpur and funded by the Ministry of HRD, Govt. of India, during January - March 2017. [Certificate]</p>
Interaction with Outside World	<p>MEMBER - PhD Research Advisory Committee</p> <ol style="list-style-type: none"> 1. Department of Computer Engineering, Ramrao Adik Institute of Technology, Nerul, Navi Mumbai. 2. Department of Computer Engineering, Thakur College of Engg. & Technology (TCET), Kandivali East. 3. Department of Computer Engineering, Annasaheb Chudaman Patil College of Engineering (ACPCE), Kharghar, Navi Mumbai. 4. Department of Computer Engineering, Mukesh Patel School of Technology Management & Engineering (MPSTME), Mumbai.
Interaction with Outside World	<p>MEMBER - Department Advisory Board (DAB)</p> <ol style="list-style-type: none"> 1. Department of Computer Science and Engineering, Shri Swami Vivekanand Shikshan Sanstha Kolhapur's Bapuji Salunkhe Institute of Engineering and Technology, Kolhapur. 2. Department of IOT, Cybersecurity and Blockchain, Smt. Indira Gandhi College of Engineering, Ghansoli. 3. Department of Computer Engineering, Shah & Anchor Kutchhi Engineering College, Mumbai. 4. Department of Computer Engineering, St. Francis Institute of Technology, Borivali, Mumbai- 400103. 5. Department of Computer Engineering, Mukesh Patel School of Technology Management & Engineering (MPSTME), Mumbai.

Interaction with Outside World	<p>National and International Level Responsibilities:</p> <p>Conference Session Chair</p> <ol style="list-style-type: none"> 1. Session Chair in 4th International conference on “Communication System, Computing and IT Applications 2023 (CSCITA – 23) organized by St. Francis Institute of Technology (SFIT), Mumbai during March 31st and April 1st, 2023. 2. Session Chair in Springer, 4th International Conference on Advanced Technologies for Societal Application, Techno Societal 9-10, Pandharpur, December 2022. 3. Session Chair in National e-Conference on “Emerging Trends in Artificial Intelligence and Big Data (ETAB-2020)” organized by Information Technology Department, Pune Institute of Computer Technology (PICT), Pune on 12th June, 2020. 4. 2nd International Conference on Advanced Technologies for Societal Application, Pandharpur, M.S, India, 14-15th December 2018. 5. 3rd International Conference on Computing, Communication and Signal Processing (ICCASP), organized by Dr. Babasaheb Ambedkar Technological University in Lonere-Raigad, India on January 26–27, 2018. 6. International Conference On Emerging Research Trends in Applied Engineering and Technology (ICERAT-2016), Konkan Gyanpeeth College Of Engineering, Karjat, Raigad - 410 201, India. 7. International Conference on Recent Trends in Computer and Electronics Engineering (ICRTCEE 2016), Next to Dukes Company, Chembur, Mumbai– 400 088, Maharashtra, India. 8. International Conference on Engineering Confluence (ICEC) on 30th September & 1st October 2015, Terna Engineering College, Nerul, Navi Mumbai. 9. International Conference on Advances in Science and Technology (ICAST 2014), Saraswati College of Engineering, Navi Mumbai, November 11-12, 2014. 10. International Conference on Recent Advances and Challenges in Engineering and Management (RACEM-2014), IEEE, VIT, Wadala, April 3-4, 2014. 11. International Conference on Green Computing and Technology, ICGCT, organized SIES Graduate School of Technology, Nerul, Navi Mumbai during 5-6th September 2013.
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Interaction with Outside World	<p>National and International Level Responsibilities:</p> <p>Event Judge:</p> <ol style="list-style-type: none"> 1. Panelist for “War of AI: For or Against? Where Minds Clash & Machines Evolve”, a dynamic GenAI-powered debate challenge at SVKM's Narsee Monjee College Mumbai, India, on 6th and 7th May 2025. 2. Judge for 19th Aavishkar: Inter-Collegiate / Institute / Department Research Convention (Zonal Round) for Zone X: Engineering Colleges / Institutes on Sunday, December 15, 2024 at Lokmanya Tilak College of Engineering, Koparkhairane, Navi Mumbai for Category 3: Pure Sciences and UG Level(s). 3. Judge for the Project Exhibition ViSION-2024 at Vishwaniketan Campus Khalapur on 20/04/2024. 4. Judge for 17th Inter-Collegiate/Institute/Department Avishkar Research Convention: 2023-24 (Selection Round) on Tuesday, December 19, 2023 at Shah and Anchor Kutchhi Engineering College, Chembur, Mumbai for Category:5 Engineering and Technology for UG, PG and PPG Level(s). 5. Judge for 17th Inter-Collegiate/Institute/Department Avishkar Research Convention: 2022-23 (Selection Round) [Online], Dec 2022. 6. Judge for 16th Inter-Collegiate/Institute/Department Avishkar Research Convention: 2021-22 (Selection Round) [Online], March 2022. 7. Judge for 16th Inter-Collegiate/Institute/Department Avishkar Research Convention: 2021-22 (Selection Round) [Online], March 2022. 8. Judge at “National Level Technical Paper Presentation/Project Competition”, at Terna CoE, Nerul, conducted on 13-14 March 2018. 9. Judge for the Level - II 45th Jawaharlal Nehru National Science, Mathematics and Environment Exhibition for Children - Regional Level (Phase I) 2017 on 19 Dec 2017. 10. Judge for the Level - I 45th Jawaharlal Nehru National Science, Mathematics and Environment Exhibition for Children - Regional Level (Phase I) 2017 on 6 Nov 2017. 11. Judge at “Avishkar 2016”, a Research Convention launched by His Excellency, the Governor of Maharashtra, at FAMT Ratnagiri on 19 October 2016. 12. Judge at “Avishkar 2015”, a Research Convention launched by His Excellency, the Governor of Maharashtra, at AC Patil College of Engineering, Kharghar, Dec 2015. 13. Judge for “Project Exhibition”, Virtuosic 2015, at SSPM’s College of Engineering, Kankavli, Sindhudurg - 416602, on February 27, 2015. 14. Judge for the “Technical Paper Presentation”, Encore-2014, at Don Bosco Institute of Technology, Kurla, Mumbai - 400070, on April 8, 2014.
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	<p>15. Judged the “CSI – SSJCOE – STUDENT CHAPTER” Technical Paper presentation, Dombivli, Thane.</p> <p>16. Judge for the “EVOLUTION 2K10”, Research Paper Evolution Event, SSPM's College of Engineering, Kankavali, Sindhudurg - 416602.</p> <p>17. Judge for the "MINDS EYE - 09" National Level Project Competition, St. Francis Institute of Technology, Mount Painsur, Borivali(w) - 400103.</p> <p>18. Judge for the “Verismo 06” National Level Technical Symposium, Vidya Pratishthan's College of Engineering, Vidyanagari, Baramati - 413133.</p> <p>19. Judge for the “Technical Paper Presentation”, Don Bosco Institute of Technology, Kurla (w), Mumbai - 400070.</p>
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Interaction with Outside World	<p>Interaction with Outside World</p> <p>Invited Talks:</p> <ol style="list-style-type: none"> 1. Delivered a session on “Assessment Tools,” for faculty organized by the Department of Computer Engineering, Fr. C. Rodrigues Institute of Technology, Navi Mumbai on 2 May 2025. 2. Delivered a session on “Quantum Gate: The Hadamard Gate”, in AICTE Training And Learning (ATAL) Academy sponsored one week Faculty Development Program (FDP) on “Quantum Computing: India’s Journey towards Quantum Excellence” from 13th January to 18th January, 2025 in offline mode organized by the Department of Information Technology, SVKM's Dwarkadas J. Sanghvi College of Engineering, Vile Parle, Mumbai 400056, Maharashtra, India. 3. Delivered an expert lecture on “Preparation and submission of Research Proposal”, as part of our R and D activities of the Department of Computer Engineering, Fr. C. Rodrigues Institute of Technology, Navi Mumbai on 9th December 2024. 4. Delivered a session for engineering faculty, research scholars on “Scope of Research and Research Impact,” on 16th November 2024 in the ISTE-approved Two-Week Short-Term Training Program (STTP) on “Research Insight in Multi-Disciplinary Domains,” organized by SAKEC Research Centre from 08th -30th November 2024. 5. Conducted an interactive session on “Machine Learning and Model Evaluation,” in the Image processing domain on Monday, 1st April 2024 at Don Bosco Institute of Technology, Kurla (West). [Proof Document] 6. Conducted a session on “Emerging Trends in Image Processing and Computer Vision,” at Dwarkadas J. Sanghvi College of Engineering, Vile Parle on 30 March 2024. [Proof Document] 7. Talk in ISTE approved Short Term Training Program (STTP) on "Gray Box Probing Generative AI" scheduled to run from January 8th to January 13th, 2024 at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai. [Proof Document] 8. Expert lecture on "Encoder Decoder Moders" at Department of Computer Science & Engineering SVERI College of Engineering, Pandharpur on 29 Oct 2023. [Proof Document] 9. Expert lecture on "Sequence Modeling", at Department of Computer Science & Engineering SVERI College of Engineering, Pandharpur on 28 Oct 2023. [Proof Document] 10. Resource person to conduct the Awareness Seminar on Coding/Programming Skills, organized by Department of AIDS, Konkan Gyanpeeth College of Engineering, Karjat, held on Tuesday, 28th March 2023. [Proof Document]
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11. Motivation session and chief guest for Inauguration of Technical Club, ByteCode and Key Resource Person at Department of Computer Engineering, CSMIT Panvel on 17th August 2022. [[Proof Document](#)]
12. Invited as one of the Speakers for Module 1 (with a focus on 1.4 LaTeX) during the Orientation Program for the newly introduced course - AEL/MEL 703 Industrial skills - BE sem VII R-19, C scheme, organized on behalf of Lokmanya Tilak College of Engineering, Koparkhairne, and BoS, Mechanical Engineering, UoM. Mode: in Virtual/Online mode on 16 July 2022. [[Proof Document](#)]
13. Resource person for the online certification course on DIP using Matlab conducted during the academic year 2021-2022 IT, PICT, Pune. [[Proof Document](#)]
14. Resource person in STTP on Machine Learning - Clustering Algorithm RMCET on 13 Jan 2022. [[Proof Document](#)]
15. Resource person in STTP on Optimization Techniques - Genetic Algorithm RMCET on 14 Jan 2022. [[Proof Document](#)]
16. Conducted an ONLINE Faculty Orientation Program (FOP) on "Image Processing", a course of TE-IT SEM-VI Rev-2019 'C' Syllabus Scheme held on 10th January, 2022 organized By Department of Information Technology, Pillai College of Engineering, New Panvel on behalf of Board of Studies IT, University of Mumbai. [[Proof Document](#)]
17. Invited as Guest speaker for the inauguration of ITSA-SLRTCE on 7 September 2021. [[Proof Document](#)]
18. Expert Speaker in the Faculty Development Program on "Research Methodology & IPR", Department of Computer Engineering PHCET, Rasayani on 10th July 2021. [[Proof Document](#)]
19. Expert talk on Computer Vision for Ph.D students at Usha Mittal Institute of Technology, SNDT Women's University, Santacruz, Mumbai on 19 November 2019. [[Proof Document](#)]
20. Talk on "Python Programming on COLAB and its impact on Future Technologies," conducted by Department of Electronics and Telecommunication Engineering at DBIT Kurla on 27 September, 2019. [[Proof Document](#)]
21. Conducted a one day workshop on Latex organized by CSI - PCE on 4th August, 2018. [[Proof Document](#)]
22. Mentoring Educators in Educational Technology - FDP301x, Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching (PMMNMTT), MHRD, GoI, conducted by IIT, May 17th, 2018 to June 27th, 2018. [[Proof Document](#)] [[Proof Document](#)]
23. Talk on "File Handling, GUI Programming and Databases", at ISTE approved STTP on "Python Language and its Applications", Shivajirao S. Jondhale College Of Engineering & Technology, Dombivli, on 5th January 2018. [[Proof Document](#)]
24. Conducted a workshop on "Report Writing using LaTeX", at PCE on 14 July 2017. [[Proof Document](#)]

	<p>25. Talk at ISTE approved STTP on "Matlab Tools", Shivajirao S. Jondhale College Of Engineering & Technology, Asangaon, on 30th and 31st May 2016. [Proof Document]</p> <p>26. Conducted a one day workshop on “GUI Based Image Processing using MATLAB”, at Army Institute of Technology (AIT), Dighi Hills, Pune on 16 January 2016. [Proof Document]</p> <p>27. Talk on “NBA Documentation and Processes” at SSPM’s College of Engineering, Kankavli, Sindhudurg – 416602, on 29th October 2015. [Proof Document]</p> <p>28. Conducted Workshop on “Matlab GUI and Image Processing” at PCE on 5 August 2016.</p> <p>29. Session on “System Modeling and UML”, at Don Bosco Institute of Technology, Kurla, on Friday, February 2, 2015. [Proof Document]</p> <p>30. Conducted TEQIP Sponsored Workshop on “Learning Effective Document Writing Using LaTeX,” 15 – 16 February 2013, RIT, Sangli, Maharashtra, India. [Proof Document]</p> <p>31. Delivered talk on “Digital Image Processing: Discrete Image Transform”, 8 October, 2012, at Don Bosco Institute of Technology, Kurla (W), Mumbai – 400 070, Maharashtra, India. [Proof Document]</p> <p>32. Delivered Talk on “Information & Network Security” 11 April 2010 at Garda Institute of Technology, GIT, Chiplun, Raigad, Maharashtra, India. [Proof Document]</p> <p>33. Delivered talk in ISTE Approved Short Term Training Programme on “Opportunities & Trends in Information Systems Security” at Don Bosco Institute of Technology, Kurla (W), Mumbai – 400 070, MS, India.</p> <p>34. Delivered talk in ISTE approved STTP on "Recent Trends In Digital Image Processing," 31 December, 2007 to 11 January, 2008, at Don Bosco Institute of Technology, Kurla (W), Mumbai – 400 070, MS, India.</p>
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Organized STTP / Workshops	<p data-bbox="432 145 1005 181">: Organized STTP / Workshops/ Seminars:</p> <ol data-bbox="480 232 1465 1279" style="list-style-type: none"> 1. Organized and coordinated an expert talk on “Research Methodology and IPR” Speaker: Dr. Sanjay Talbar conducted in R-201 on 14th March, 2022 at 4.00pm to 5.30pm. 2. Organized and coordinated a webinar on “Finance and Wealth Management: What you need to know about personal finance” conducted Over Internet using Zoom Meet on 24th February, 2022 at 4.15pm to 6.45pm. 3. Organized and coordinated expert talk on Research Methodology and IPR (Speaker: Dr. S. N. Talbar) on 14 March 2022 4. Organized and coordinated online Webinar on “Finance and Wealth Management - What you need to know about personal finance,” by Hansi Mehrotra, Founder, The Haney Hans on 24th Feb, 2022. 5. Organized and coordinated a one week workshop on “Writing Documents in LaTeX” over Google Meet during 27th April to 1 May 2020. 6. Organized and coordinated Industry Expert Talk on "Trends in Software Testing" over Google Meet by Mr. Shiv P, Thane on 5th April 2020. 7. Organized Industry Expert talk on "Technology and you" over Google Meet by Ms. Pooja Lekha, IBM, Mumbai on 10th April 2020. 8. Organized and coordinated the “Google Apps Training Teaching and Non-Teaching Staff”, conducted by Ms. Sheenu Shekhar, Google Inc. at PIIT on 10th & 16th April 2013. 9. Organized and coordinated the “Wireless Communication and Mobile Computing”, during December 1 – December 5, 2008 at Don Bosco Institute of Technology, Kurla (W), Mumbai – 400 070, MS, India.
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Coordinated STTP / Workshops	<p>Coordinated STTP / Workshops:</p> <ol style="list-style-type: none"> 1. Volunteered as a Track Coordinator for Software Technologies Track in Conference on Technologies for Future Cities 2019 (CTFC 2019) held at PCE on January 8-9, 2019. 2. Coordinated FDP201x Two Week ISTE Foundation Program in, “Pedagogy for Online and Blended Teaching-Learning Process - Autumn 2018,” Educational Services for Outreach at Scale (ESOS), Under the National Mission on Education through ICT (MHRD, Govt. of India), conducted by IIT Bombay, October 25th, 2018 to December 6th, 2018. 3. Coordinated FDP101x Two Week ISTE Foundation Program in, “ICT for Education - Autumn 2018,” Educational Services for Outreach at Scale (ESOS), Under the National Mission on Education through ICT (MHRD, Govt. of India), conducted by IIT Bombay, September 13th, 2018 to October 18th, 2018. 4. Coordinated Two Week ISTE Main Workshop on “Cyber Security,” Under the National Mission on Education through ICT (MHRD, Govt. of India) conducted by IIT Bombay, 17th-21st May, 2014. 5. Coordinated two week ISTE main workshop on “Signals & Systems”, Under the National Mission on Education through ICT (MHRD) conducted by IIT Kharagpur during 2-12 Jan. 2014. 6. Coordinated the “Aakash Android Application Programming,” conducted by IITB funded by the NME-ICT, MHRD at PIIT, New Panvel, during 23 - 24 February and 2 -3 March, 2013. 7. Coordinated the “Aakash for Education,” funded by the NME-ICT, MHRD through IITB at PIIT, New Panvel, during 10 – 11 November December, 2012. 8. Coordinator for Two years Aakash Project at PIIT Remote Center (Center ID: 1100) funded by the NME-ICT, MHRD through IIT Bombay.
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<p>Attended STTP/ Workshops</p>	<p>: Attended STTP/ Workshops:</p> <ol style="list-style-type: none"> 1. Successfully completed 4-Week Industrial Training & Internship Conducted by Academy of Skill Development (ASD) on Data Science, AI, Machine Learning using Python (Project Based) during December 14, 2024 to January 21, 2025. 2. Successfully participated and completed AICTE Training And Learning (ATAL) Academy sponsored one week Faculty Development Program (FDP) on "Quantum Computing: India's Journey towards Quantum Excellence" from 13th January to 18th January, 2025 in offline mode organized by the Department of Information Technology, SVKM's Dwarkadas J. Sanghvi College of Engineering, Vile Parle, Mumbai 400056, Maharashtra, India.. 3. Participated in ISTE Approved Six Days Short Term Training Programme (STTP) on "Exploring Generative AI and Explainable AI: Concepts to th th Applications" conducted during 24 June to 29 June 2024, organized by the Department of Artificial Intelligence & Machine Learning & Artificial Intelligence & Data Science at TCET, Kandivali. 4. Participated in One Day Workshop on "Academic Bank of Credits" organized by Internal Quality Assurance Cell (IQAC) and Academic Enrichment Committee on 24th August, 2023 through Online Mode. 5. Successfully participated and completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Emerging Trends in Cyber Security and Digital Forensics at Pillai HOC College of Engineering and Technology from 04/12/2023 to 09/12/2023. 6. Attended and completed the ISTE approved STTP on Demystifying Deep Learning organized by the Department of Computer Engineering, Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai held from January 2 to January 6, 2023. 7. Participated in Two Days National Symposium on Academic Challenges Towards Implementation of NEP in HEI's organized on 29th and 30th September, 2022. 8. Attended AICTE Training And Learning (ATAL) Academy sponsored One-Week Online Faculty Development Program on Parallel and Distributed Deep Learning Organized by Department of Computer Science and Engineering Indian Institute of Information Technology, Nagpur 28th June-2nd July, 2021. 9. IEEE Bombay Section Technical & Professional Activities Committee (TPAC) "2021 R10- POCO Virtual Workshop" on 21st August 2021 (Saturday) 10. Attended the webinar on Investor Awareness Program (IAP) organized by Pillai Institute of Management Studies and Research, E-certificate: KF/BSEIPF/2021-22/104323 on 12th June, 2021. 11. Certificate - Participation and Paper Presentation 8-9 Oct CTFC 2021
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	<ol style="list-style-type: none"> 12. Participated and presented a paper on “Violence Detection for Surveillance System using Lightweight CNN Models ,” 7th Int. Conference on Computing in Engineering and Technology, ICCET Feb 2022. 13. Participated and presented a paper on Plant Disease Detection and Management Using Deep Learning Approach," 7th Int. Conference on Computing in Engineering and Technology, ICCET Feb 2022. 14. Attended Expert Talk by Dr. RadhaKrishnan Pillai, Author & Teacher of Chanakya’s Teaching on “Changing Dynamics of Education post COVID era-Insights from Chanakya’s Teaching” K. J. Somaiya Institute of Engineering and Information Technology (KJSIEIT) Sion, Mumbai on 4th June 2021. 15. Attended Expert Talk by Shri. V. V. Lakshminarayana, Ex - Additional DG Police, Maharashtra State on “Technology - How it is going to impact Education in the Future??” K. J. Somaiya Institute of Engineering and Information Technology (KJSIEIT) Sion, Mumbai, on 7th June 2021. 16. AICTE Training and Learning (ATAL) Academy Online Faculty Development Programme (FDP) on “Artificial Intelligence and Machine Learning using Python” Organized by Engineering College Bikaner (Rajasthan), An Autonomous Institution of Govt. of Rajasthan during 21 – 25 June 2021. 17. Participated successfully in the virtual-Faculty Development Program on Investor Wellness during the Pandemic organized by Board of Industry-Academia Partnerships (BIAP), held on June 12, 2021. 18. Attended NAAC approved National Level Webinar on Assessment and Accreditation Process of NAAC," by IQAC PCE New Panvel on 28 August 2020. 19. Completion of National Level One Day Awareness Workshop on Outcome Based Outcome Based Education and Accreditation for Engineering Colleges organized by GH Raisonni Institute of Engineering and Technology, Nagpur on 11 September 2020. 20. Attended a webinar on the topic Introduction to Data Science held under the banner of CSI on 1 July 2020 21. Participated in a 5 days workshop on Curriculum Development with Learner centric Approach, conducted by IQC and SMH at PCE New Panvel during 19 to 14 June 2020. 22. Participated in online Webinar on "Role of Plastic in Pandemic" organized by Center of Excellence in Polymer Science and Engineering(CEPSE) and Nature Club Pillai College of Engineering in association with Indian Center for Plastics in the Environment(ICPE) on 27 June 2020. 23. Attended webinar on Mathematics For AI, organized by CSI-DBIT and Department of Information Technology, DBIT Kurla on 25 June 2020.
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	<ol style="list-style-type: none"> 24. Participated in the webinar on “Pillars of Good Immunity” organized by Department of Computer Engineering and Information Technology, PCE held on 6 June 2020. 25. Participated in the Webinar titled "Know your Fabric and Heritage of India," a fundraising event by the Department of Computer Engineering and the Department of Information Technology in association with the Student Council, PCE on 16 June 2020. 26. Attended One Week Online Faculty Development Program on "Swift(ios) programming Language" from 12 May to 16 May 2020. 27. Attended Leadership Talk With Dr. Pramod Chaudhari, Founder, Chairman, Praj Industries Limited and Dr. Abhay Jere, Chief Innovation Officer MHRD Innovation Cell, Saturday, 16 May 2020. 28. Successfully completed online Quiz on “Python Programming” on 6-6-2020, organized by Department of Electronics & Telecommunication Engineering, Dr D Y Patil School of Engineering & Technology, Dr D Y Patil Knowledge City, Charholi (Bk.), Via. Lohgaon, Pune – 412 105, 6 June 2020. 29. Successful completion of National Level Online Quiz on “E-Learning” Organized by department of Computer Engineering, P.V.P.P. College of Engineering, Mumbai on 6 June 2020. 30. Successfully completed online Quiz on “Python Programming” on 6-6-2020, organized by Department of Electronics & Telecommunication Engineering, Dr D Y Patil School of Engineering & Technology, Pune, 6 June 2020. 31. Successfully completed the Online Quiz Program on “Recent Trends in Machine Learning, Deep Learning and Artificial Intelligence” conducted by the Electronics and Communication Engineering Department of Anurag University, Hyderabad, Telangana with a passing score of 75% on 27 May 2020. 32. Participated in the quiz “Computer Graphics and Multimedia” organized by the Department of information technology, Er. Perumal Manimekalai college of Engineering, Hosur - 635117 on 26 May 2020. 33. Participated in DICE Bootcamp (Design, Innovation, creativity, Entrepreneurship) at ISME, School of Management and Entrepreneurship, Lower Parel, Mumbai on 4 March 2020. 34. Attended One Week STTP on “Internet of Things,” organized by the Department of Electronics and Electronics of Telecommunication Engineering at Terna Engineering College, Neural Mumbai during 1-5 January 2020. 35. One day seminar on “Technologies for Future Cities”, at PCE New Panvel on 8 January 2020. 36. One Week workshop on “AI using Deep Learning,” conducted by the Department of Electronics and Telecommunication at DBIT Kurla on December 20 -24, 2019.
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37. One week STTP on “Management Information System”, at MES Pillai College of Engineering, New Panvel on 1 July - 5 July 2019.
38. One day Workshop on R organized by the Teaching Learning Centre, ICT at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNM TT), MHRD, Govt. of India on 9 November 2019.
39. One day Workshop on Linux organized by the Teaching Learning Centre, ICT at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNM TT), MHRD, Govt. of India, held at MES Pillai College of Engineering, New Panvel on 23 August 2019.
40. One Day Conference on “Polymer Processing” at Pillai College of Engineering, New Panvel on 23 February, 2019.
41. Four Day Workshop on “AI using Deep Learning,” organized by Revert Technology Pvt. Ltd. E-Summit, IIT Roorkee at DBIT Kurla on 17-19 August and 25th August 2018.
42. Tutorial cum workshop on AI and ML organized by IEEE Bombay Section in collaboration with the India Council, a day-and-a-half long Workshop, August 10-11, 2018.
43. One Day Knowledge Sharing Program on “Developing Teaching Skills for Blended Learning & Student Teacher-Partnership,” at ICAI Business School, Powai, 3rd August 2018.
44. Mentoring Educators in Educational Technology - FDP301x, Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching (PMMMNM TT), MHRD, GoI, conducted by IIT, May 17th, 2018 to June 27th, 2018.
45. Attended Industry Institute Interaction Meet, at PCE jointly organized by PHOC on Friday 18 May 2018.
46. Scilab - Lecture demonstration, Endorsed by AICTE, conducted by IITB, October 12th, 2017.
47. Pedagogy for Online and Blended Teaching-Learning Process - FDP201x, Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching (PMMMNM TT), MHRD, GoI, conducted by IIT, September 14th, 2017 to December 30th, 2017.
48. Foundation Program in ICT for Education - FDP101x, Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching, MHRD, GoI, conducted by IIT, August 3rd, 2017 to September 7th, 2017.
49. Attended the Teacher Training Workshop on “E Learning: Challenges And Opportunities”, at Sardar Patel CoE, Mumbai on 22 April 2017.
50. One Day Scientific meet on “Oncology Imaging Course ” at Patient Login - Tata Memorial Hospital - Tata Memorial Centre, Mumbai on 19 March, 2017.
51. Three Day Short Term Course on “Using R for Data Visualization and Analytics” conducted by C-DAC, Mumbai at Kharghar during 19-21 May 2016.

52. One day UGC supported “National Symposium on Disruptive Technologies and Management Challenges”, In collaboration with Media Lab Asia Organizes, at SNDT Women’s University Mumbai, Jankidevi Bajaj Institute of Management Studies (JDBIMS) On 11th March, 2016.
53. One week ISTE approved STTP on Big Data Analytics, organized by Department of Information Technology, FCRIT, Sector 9A, Vashi, Navi Mumbai - 400703, during January 4th - 8th, 2016.
54. Two weeks ISTE main workshop on “Signals & Systems”, conducted by IIT Kharagpur during 2nd January to 12th January 2014.
55. Attended the “Google Apps Training Teaching Staff”, conducted by Ms. Sheenu Shekhar, Google Inc. at PIIT on 10th April 2013.
56. Attended a National Conference on Communication, Computing and Networking Technologies (NCCCNT-13) March 15 – 16, 2013.
57. Two Days ISTE Workshop on Writing Effective Conference Papers Conducted by Indian Institute of Technology, Bombay 18th – 19th February, 2012.
58. A two-week ISTE Workshop on “ Introduction to Research Methodologies”, conducted by IIT Bombay from 25th June to 04th July 2012.
59. A Two-day ISTE WORKSHOP on “Writing Effective Conference Papers”, conducted by IIT Bombay on 18th and 19th February 2012.
60. A 2-Day ISTE Workshop on “Research Methods in Educational Technology,” funded by the NME-ICT, MHRD through IIT Bombay on 2nd and 9th Feb 2012.
61. A two-week AICTE sponsored staff development programme on “Recent Advances in Speech, Image and Video Processing,” at SGGSIE&T, Nanded, 12 - 23 December, 2011.
62. A Two week (5 weekends) “Workshop on Software Development Techniques for Teachers of Engineering and Science Institutes”, funded by the NME-ICT, MHRD and conducted by IITB at PIIT, New Panvel, 5th November to 4th December (5 Weak Ends), 2011.
63. A one week ISTE approved STTP on “Business Intelligence and Business Analytics”, at PIIT, New Panvel, from 4th – 9th August 2011.
64. One day Workshop on “SciLab”, funded by the NME-ICT, MHRD through IITB conducted at PIIT, New Panvel, 21st to 23rd July, 2011.
65. Attended one week FDP on “Information Technology for Managing Enterprises,” at Don Bosco Institute of Technology, Kurla(w), Mumbai, Maharashtra, India, January 11-15, 2010.
66. Attended “Soft Skills Workshop,” at Infosys, Pune, Maharashtra, India, June 17-19, 2009.
67. Attended “CCNA (640 – 802) Workshop,” at Nirmal Datacomm Pvt. Ltd., Mumbai Training Center, Mumbai, Maharashtra, India, May 28, 2009.

	<p>68. Attended“Free Open Source Software”, at Don Bosco Institute of Technology, Kurla (W), Mumbai – 400 070, Maharashtra, India, June 23 – June 27, 2008.</p> <p>69. Attended“Faculty Enablement Program,” at Infosys, Pune, Maharashtra, India, June 9-20, 2008.</p> <p>70. Attended“From Software Engineering To Engineering Software”, at Don Bosco Institute of Technology, Kurla (W), Mumbai – 400 070, Maharashtra, India, May 28 - June 2, 2007.</p> <p>71. Attended“Demystifying E-Learning,” at C-DAC Navi Mumbai, India, December 16-17, 2006.</p> <p>72. Attended“Opportunities & Trends in Information Systems Security”, at Don Bosco Institute of Technology, Kurla (W), Mumbai, India, November 20 – December 1, 2006.</p> <p>73. Attended“Information and System Security: Today and Tomorrow”, at K. J. Somaiya College of Engineering, Vidyavihar (E), Mumbai – 400077, Maharashtra, India, December 05-16, 2005.</p> <p>74. Attended“System and Network Security”, at Sardar Patel College of Engineering, Andheri (W), Mumbai – 400 058, Maharashtra, India, February 04-05, 2005.</p> <p>75. Attended“Image Processing”, at Fr. Conceicao Rodrigues College of Engineering Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050, Maharashtra, India, June 13-18, 2005.</p> <p>76. Attended“Embedded System Design”, at DBATU, Lonere, India, December 01-13, 2003.</p> <p>77. Attended“Modern Computer Networking”, at Dr. B. A. Tech. University, Lonere – 402 103, Maharashtra, India, November 03-15, 2003.</p> <p>78. Attended“National Conference on Object Oriented Technology”, at Dr. B. A. Tech. University, Lonere – 402 103, Maharashtra, India, August 18-30, 2003.</p> <p>79. Attended“Distributed Object Computing using Java/CORBA”, at Dr. B. A. Tech. University, Lonere – 402 103, Maharashtra, India, December 14-26, 2001.</p>

<p>Recommended Students for Higher Education</p>	<p>: Recommended Students for Higher Education:</p> <ol style="list-style-type: none"> 1. Mohammad Tabish Mohd Iqbal Momin, Master's in Management and Data Science, Leuphana University, Lüneburg, Germany, 2024. 2. Khushal Kishor Koli, University of Galway, 2024. 3. Tanmay Janardan Gurao, Masters in Information Systems, Uppsala University, Sweden, 2023. 4. Jatin Tushar Chaudhari, Master of Engineering Management, North Carolina State University, Raleigh North Carolina United States of America, 2023. 5. Aniket Anil Patil, University of Michigan Ann Arbor, 2023. 6. Roshan Ravi, Master of Applied Science in Computer Engineering, Memorial University of Newfoundland, Canada, 2022. 7. Priyaja Jena, Masters in Business Analytics, Boston University, Boston, 2022. 8. Amruta Santram Khavase, M.Sc in Computer Science, York University, Toronto, 2022. 9. Samiksha Dattaram Gavand, Data Science, Northwestern University, USA Chicago, 2022. 10. Ninad Sanjay Marathe, Computer Science, Syracuse University, New York USA, 2022. 11. Utkarsha Shrikant Talele, California State University Long Beach, 2022. 12. Harshada Pravin Shinde, The University of Columbia, 2022. 13. Abhishek Ravindran Nair, Masters of Business Administration, Audencia Business School, France, 2021. 14. Varadraj Yashwant Kini, Computer Science, University of Delaware, Newark, USA, 2021. 15. Kaustubh Sunil Sawant, MSc in Computer Science, Carleton University - Ottawa, Canada, 2021. 16. Manish Jadhav, York University, Canada, 2021. 17. Himanshu Manoj Kaloni, Computational Modeling and Simulation, TU Dresden, Dresden Germany, 2020. 18. Rahul Ravindra Bhosale, TRU, BC Canada, 2020. 19. Sayli Arjun Pednekar, Applied Computer Science, Master of Science, SRH Heidelberg, Germany, 2019.

Projects Guided	:	PhD Level: <ol style="list-style-type: none"> 1. Dr. Mimi Charian, “Secure Software Defined Architecture for improving efficiency and security of Internet of Things,” Pillai College of Engineering, New Panvel (Autonomous), New Panvel. 2. Dr. Seema Redekar, “Biological Network Analysis for Cancer Progression,” Pillai College of Engineering, New Panvel (Autonomous), New Panvel. 3. Stephy Benny, “Microscopic Image Segmentation and Quantification,” Pillai College of Engineering, New Panvel (Autonomous), New Panvel. 4. Abhishek Vichare, “Emotion Recognition and Sentiment Analysis,” Pillai College of Engineering, New Panvel (Autonomous), New Panvel. 5. Kanchan Dabre, “Detection of Pneumonia Disease from Chest Radiograph,” Pillai College of Engineering, New Panvel (Autonomous), New Panvel. 6. Ekta Pashine, “Object Detection using Video for Vehicle Surveillance,” Pillai College of Engineering, New Panvel (Autonomous), New Panvel.

Projects Guided	<p>: Projects Guided at PG Level:</p> <ol style="list-style-type: none"> 1. Anuja Shinde, "Smart IOT System Using AI for Wagon Load Management System," Master of Technology (MTech) in Information Technology, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2023-24. 2. Pritam Rahul Pawar, "Micro Expression Recognition Using Convolution," Master of Technology (MTech) in Computer Engineering, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2023-24. 3. Simran Shembe, "IOT based Healthcare Monitoring System using Deep Learning," Master of Technology (MTech) in Information Technology, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2023-24. 4. Shaumya Kumari, "Image Captioning using Deep learning," Master of Technology (MTech) in Information Technology, School of Engineering and Applied Sciences, University of Mumbai - Kalyan Sub Center, 2022-23. 5. Avinash Kale, "Kidney Disease Detection," Master of Technology (MTech) in Computer Engineering, School of Engineering and Applied Sciences, University of Mumbai - Kalyan Sub Center, 2021-22. 6. Pooja Jogi, "Detection of Malaria Parasite Using Deep Learning," Master of Technology (MTech) in Computer Engineering, School of Engineering and Applied Sciences, University of Mumbai - Kalyan Sub Center, 2021-22. 7. Prachi Kothawade, "Plant Disease Detection and Management Using Deep Learning Approach," Master of Technology (MTech) in Computer Engineering, School of Engineering and Applied Sciences, University of Mumbai - Kalyan Sub Center, 2020-21. 8. Akshada Mali, "Sentiment Analysis of Product Review," Master of Technology (MTech) in Information Technology, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2019-20. 9. Leena Bhuskute, "Text Classification in Data Mining," Master of Engineering (ME) in Computer Engineering, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2016-17. 10. Ninad Gaikwad, "Instrumental Music Extraction," Master of Engineering (ME) in Computer Engineering, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2016-17. 11. Pawankumar Gupta, "Protocol Steganography," Master of Engineering (ME) in Computer Engineering, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2016-17. 12. Kirti Mirgal, "Frequent Pattern Mining In Sequence Datasets," Master of Engineering (ME) in Computer Engineering, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2015-16.
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13. Manasi Choche, "Content-Based Audio Classification Using Mpeg-7 Features," Master of Engineering (ME) in Computer Engineering, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2015-16.
14. Megha Mandavkar, "Human Facial Expression Recognition," Master of Engineering (ME) in Information Technology, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2015-16.
15. Nymphia Pereira, "Content Based Recommendation System For Financial Planning," Master of Engineering (ME) in Information Technology, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2015-16.
16. Pallavi Kadam, "Text Mining On Medical Records," Master of Engineering (ME) in Information Technology, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2015-16.
17. Sangeetha Selvin, "Image Re-ranking using Clustering and User log," Master of Engineering (ME) in Computer Engineering, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2015-16.
18. Tejali C. Mhatre, "Classification For Future Prediction," Master of Engineering (ME) in Computer Engineering, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2015-16.
19. Vandana Behera, "Fusion Approach For Human Skin Detection," Master of Engineering (ME) in Computer Engineering, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2015-16.
20. Yugandhara Gawand, "Opinion Mining for Drug Reviews," Master of Engineering (ME) in Computer Engineering, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2015-16.
21. Priyanka Gaonkar, "Content-Based Audio Indexing and Retrieval," Master of Engineering (ME) in Computer Engineering, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2014-15.
22. Shilpa Gonbare, "Discrimination Prevention in Data Mining," Master of Engineering (ME) in Computer Engineering, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2014-15.
23. Ann Abraham Babu, "Hand Gesture Recognition for Human Computer Interaction," Master of Technology (MTech) in Information Technology, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2013-14.
24. Ansa Jovel Kunnathettu, "Machine Learning Techniques for Air Quality Prediction," Master of Engineering (ME) in Computer Engineering, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2013-14.
25. Jeril George, "Digital Watermarking for Image Copyright Protection," Master of Engineering (ME) in Information Technology, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2013-14.

	<p>26. Pankaj Phadtare, "Use of Ontology in the Semantic Web," Master of Engineering (ME) in Information Technology, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2013-14.</p> <p>27. Shashikant Mane, "Audio Watermarking using Transformation," Master of Engineering (ME) in Information Technology, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2013-14.</p> <p>28. Shraddha Mhatre, "Audio Watermarking in Time Domain via EMD," Master of Engineering (ME) in Information Technology, Pillai College of Engineering, New Panvel (Autonomous), New Panvel, 2013-14.</p>
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Projects Guided	:	Projects Guided at UG Level: <ol style="list-style-type: none"> 1. Image Generation using Generative Adversarial Networks (Kunal Wagh, Omkar Raul, Shreya Belanekar, Sejal Chandgadkar) 2. Crop Disease Prediction System Using Hybrid Approach(Shraddha Gaur, Ebrahim Khatri, Ansari Zaid, Sujal Dusane) 3. Image Enhancement using Autoencoder (Shreya Shirish Kulkarni, Arpita Pradip Nikam, Divya Manish Kurup, Kasturi Milind Limaye) 4. Content Based Video Retrieval (Nishita Jagdale, Nitish Palanivelu, Nishith Dubey, Bharati Jagtap) 5. Pneumonia Detection Using Generative Adversarial Network (Kale Pallavi Rohidas, Sasane Sahil Sanjay, Devika Sudhakar, Wadgave Uttkarsh Ashok) 6. Sign Language to Voice Conversion Using Deep Convolutional Neural Network (Antara Howal, Atharva Golapkar, Yunus Khan, Siddhantha Bokade) 7. Content Based Video Retrieval System using Deep Learning (Chhavi Yadav, Khushal Koli, Pradnya Kubal, 8. Neel Chaudhary) 9. Image Enhancement of Underwater Photographs Using Deep Learning (Jahnevi N S, Srushti Killarikar, Chandini Chentamara, Nupur Kelkar) 10. Intelligent Video Surveillance Using Deep Learning (Pramod Baviskar, Neel B. Suba, Aakarsh Verma) 11. Prediction of Chronic Kidney Disease using Machine Learning (Aaditya Jadhav, Rushikesh Ghodake, Karthik Muralidharan, G. Tarun Varma) 12. Automatic Number Plate Detection and Recognition System (Yogitha Nilekani, Harshada Shinde, Mohammed Sameel Shaikh) 13. Fruit Classification and Calories Measurement using Machine Learning (Adarkar Amol Mangesh, Bharambe Rishikesh Vijay, Gladson Daniel Roy, Sharma Smriti Sushil Kumar) 14. Face Detection Using Machine Learning (Ashwin Vishesh, Athira Pillai, Mohit Dodeja) 15. ECG-based Heartbeat Classification (Nikhil Elayath, Ashwin Nair, Hariharan V, Shashank R Nair) 16. Image Geotagging Using Self-Organizing Map and KNN (Sandeep Menon, Pranav Nakhwa, Alok Jha, Vaibhav Magar)
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