Faculty Profile: Dr.I. Manimozhi

Faculty	**Dr.I. Manimozhi** Head – Computer Science & Engineering East Point College of Engineering & Technology **Email id** drmanimozhi.i@eastpoint.ac.in **vidwan id** https://vidwan.inflibnet.ac.in/myprofile

	Profile*
	Dr.I. Manimozhi has completed a PhD in Computer Science & Engineering from Manonmaniam Sundaranar University, M E in Computer Science & Engineering from Manonmaniam Sundaranar University and B E in Electrical & Electronics Engineering from Arulmighu Kalasalingam college of Engineering. She has worked as a HOD in MVJ College of Engineering and as an associate professor in CMR Institute of Technology, Bangalore. A Dedicated, Enthusiastic, resourceful and goal-driven professional educator with a solid commitment to the social and academic growth and development of every student. The Exceptional ability to establish cooperative, professional relationships with parents, staff and administration with 24 years' experience in academic. she has successfully guiding three research scholars and has published more than 30 reputed journals in Elsevier, Springer, SCI, WOS & Scopus. She has awarded fund 11.5L research development from VTU -UPI models. She has awarded FDP fund and students projects fund from KSCST, KSTA.She was involved BOS, BOE in various autonomous and university curriculum. She has involved as reviewer and session chain in various journal, conference

	Area of Specialization
	Artificial intelligence, machine learning, Big data analytics, Image visions
	Research Interest
	Health informatics • 11.5L research development is going on under VTU -UPI models. • FDP Proposal awarded Rs 25000 under KSTA for "5-Days Workshops on Artificial Intelligence Revolutionizing Agriculture" on Jan 2022 • Worked as Mentor for bBOOK Project under FSIPD Club & winner of Smart India Hackthon (SIH) 2019 • Prof. Santhiya & Prof. I. Manimozhi, Mr. Tharun & Team in Synthesizing sign from text for the hearing impaired received KSCST Students fund Rs 5000 in 2019 • Prof. Manimozhi I, prof. Santhiya M & Ankit Kumar Mandal team in "Kannada handwritten character recognition using modified Euclidian distance method based Japanese hiragana character with OCR "received KSCST Students fund Rs 4000 in 2018 • Mobile application for impoverished women Decoding and creating awareness of government programs awarder s 4000 in KSCST
	Patent
	• Dr. I.Manimozhi , Dr. T K Sateesh , Ms. Neha , Mr. Senthil Murugan published " An emotion intelligence auto music play for stress burst based on Nomogram model for quarantine and self-isolation people using deep learning in COVID 19 pandemic" in Indian Patent, dated :10 August 2022 • Dr. I.Manimozhi & Dr. T K Sateesh published "Effective Drugs Analysis for COVID-19 Pandemic Using Randomized Multivariable Drugs Resistance Machine Learning Model" in Indian Patent , dated: 03rd December 2021 • Dr. I.Manimozhi published " A User Voice Recording and Modification Systems Based on Deep Learning and Methods Thereof" in Indian Patent , dated: 26th November 2021

	Publications
	• Dr.I.Manimozhi , Mahesh T R ,Dr. Vinoth "Early Predictive Model for Detection of Plant Leaf Diseases Using MobileNetV2 Architecture" published in Intelligent Systems And Applications In Engineering ISSN:2147-679921,February 2023 • Dr. I.Manimozhi, Dr. T. K Sateesh Dr.I.Manimozhi , "An emotion intelligence auto music play for COVID 19 pandemic" published in Specialusis Ugdyms, , June , 2022 • Suguna devi , Dr.I.Manimozh , Neha Gopal N "Mucormycosis Image classification based on the severity by using Convolutional Neural Network(CNN)" published in Specialusis Ugdyms, ,ol 1 43, 1392-5369 July , 2022 • Dr.I.Manimozhi , Dr.T.K. Sateesh "An emotion intelligence auto music play for stress burst based on Nomogram model for quarantine and self-isolation people using deep learning in COVID 19 pandemic" published in Journal of Positive School Psychology (JPSP), Vol. 6, No. 3, 6467–6473 ,2022 • Dr.I.Manimozhi ,Dr. Swathi "Automation Framework for Post Development Medical Device Application (QT/QML)" published in Jundishapur Journal of Microbiology vol 15, No , 2022 • Dr I.Manimozhi, Dr .Muthukumaran "Public Key Encryption With Equality Test for Industrial Internet of Things Based on Near-Ring" published in IJeC: Volume 17, Issue 3, Article 2, 2020 with indexing of WOS & Scopus • Dr. I. Manimozhi , Prof . Sagarika Bhera "An efficient approach towards analysis and validations of machine intelligence models for pulmonary tuberculosis drugs resistance" published in Journal of critical review with DOI: 10.31838/jcr.07.13.473 Scopus indexed, ISSN- 2394-5125 pp 2916-2922 • Dr. I. Manimozhi,Dr Manoj Challa , "An Intelligent Modified Approach towards Synthesizing Virtual Human Sign Language Text for the Hearing Impaired Communications based on OCR" Published in International Journal of Control and Automation , Scopus indexed Vol 13. No 2 pp 710-715 April 2020, impact factor 2005-4297 • Dr. I. Manimozhi , Prof . Manoj Challa "Enhancing QOE in Online Video Streaming based on Random Forest Regression Prediction Towards Future Popularity of a Video" published in Test Engineering and Management " Scopus indexed March 2020, ISSN:0193-4120,pp 13109-13113,DOI • I. Manimozhi, Dr.S.Janakiraman "Defect Detection In Pattern Texture Analysis Using Improved Support Vector Machine", Cluster Computing, ,Impact: 2.040 , Springer US. Indexed in SCIE, Scopus, UGC approved list,2018 • I. Manimozhi Dr. S. Janakiraman "Automated smart Kitchen monitoring and controlled system" is published in Journal of advanced research in dynamical control system, Scopus (IJRDCS) 2017,ISSN 1943-023X • I. Manimozhi, Dr.S.Janakiraman, 2016, 'Defect Detection in Pattern Texture Analysis Based on Kernel Selection in Support Vector Machine', Indian Journal of Science&Technology, Vol. 9, Issue. 45, Indexed in pp 1-4 Scopus, Listed in UGC Approved ,2017,pp 353-360 • I. Manimozhi, Dr.S. Janakiraman, presented paper entitled 'Defect Detection in Pattern Texture Analysis Based on Kernel Selection in SVM', in 1st International

Conference on Advanced and Intelligent Computing technologies 25 – 26th August 2016.

- I. Manimozhi ESIC: Embedded smart ID card based on Android Platforms is published in International Journal of Computer Applications and Robotics Vol 3 issue 2 June 2015

- I. Manimozhi "A study on security in Internet Enabled TV" published in International Journal Mobile and Adhoc Network with ISSN 22316825.pp 188-193 August 2011.

- I. Manimozhi "Enhancement security on Smart TV Web Applications" published in International Institute for Science, Technology and Education vol2 issue2 pp 12-16 October 2011.

- I. Manimozhi Uma "3GPP-LongTermEvolution (LTE)"was presented in National Conference on CMRIT on 14th and 15th May 2009

Conferences

- Dr I.Manimozhi , Dr.Manoj challa titled "An Efficient Approach towards Translation of Tulu Written Letters to Kannada Character Based on Optical Character Recognition" in ICMTCI 4.0 ,2022.ICCMC-2021

- I. Manimozhi, Dr.S.Janakiraman titled "Defect Detection in Pattern texture Analysis" is presented in IEEE International conference in communication and signal processing ICCSP April 2014 Tamilnadu and published in IEEE digital library in 2015

- Manimozhi, Dr.S.Janakiraman "Defect Detection in Pattern Texture Analysis", IEEE Digital Explore - Proceedings of IEEE International Conference on Communication and Signal Processing, pp: 172 - 175. , 2014

Industry course completions

- I.Manimozhi completed object oriented programming using python in Infosys campus connect program, august 2023

- I.Manimozhi completed cyber security using python in Infosys campus connect program, august 2023
- I.Manimozhi completed cryptography in Infosys campus connect program, June 2023
- I.Manimozhi completed basics of Python in Infosys campus connect program, June 2023

- I.Manimozhi completed Building video AI applications at the edge on jetson Nano in NVIDIA
- I Manimozhi Completed UiPath Course on Step into Robotic Process Automation

- I Manimozhi certified award of final exam completed in Artificial and Machine Learning in Java Cumulative exam by Oracle Academy on 9th April 2021.

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- I Manimozhi certified award of course completed in Artificial and Machine Learning in Java by Oracle Academy on 9th April 2021.

- I Manimozhi certified award of final exam completed in Artificial and Machine Learning in Java by Oracle Academy on 9th April 2021.

	• I Manimozhi certified award of course completed in Data Base Foundation (DFo) in by Oracle Academy on 1st May 2021. • I Manimozhi certified award of final exam completed in Data Base Foundation (DFo) in by Oracle Academy on 1st May 2021 • I Manimozhi certified award of final exam completed in Data Base Foundation Cumulative (DFo) in by Oracle Academy on 1st May 2021 • I Manimozhi certified award of final exam completed in java Programming in by Oracle Academy on 1st May 2021
	Achievements / Awards / Recognitions
	• NBA process trainer • Associate director of IQAC • NBA CO PO attainment automated excel process • 2 International conferences organized as a convener • Overall Program Assessment Coordinator • Research & Development head • BOE & BOS in autonomous and university level • IEEE&IEEE TEMS member • Best Teacher award • Best session Plan coordinator