


Personal Information			
Name of Teaching Staff: Dr.Khodke Harish Eknath			
Designation: Assistant Professor			
College:Sanjivani College of Engineering,Kopargaon			
Department : Computer Engineering			
Date of joining : 07/05/2007			
E Mail ID:	hekhodke@gmail.com		
Contact No:	9890156722		
Education Details			
Qualification	Specialization with Class or Grade	University	Year
UG	BE (Computer Science and Engineering with First class)	Dr.B.A.M.U. University, Aurangabad (Maharashtra)	2005
PG	MTECH By Research (Computer Science and Engineering with First class Distinction)	Dr.B.A.M.U. University, Aurangabad (Maharashtra)	2013
PG	ME (Computer Science and Engineering with First class)	Dr.B.A.M.U. University, Aurangabad (Maharashtra)	2017
PhD	Computer Science and Engineering	J.J.T.U. Rajasthan	2021
Total experience in years:			
Teaching:	19 years		
Industry:	02 years		
Research and Publications			
Publications			
A.H.E.Khodke,” A Machine Learning Approach To Predicting Postoperative Complications In Cardiovascular Surgery”, Journal of Neonatal Surgery, ISSN(Online): 2226-0439 Vol. 14, Issue 17s (2025)			
B.H.E.Khodke,” Advancements in Machine Learning Algorithms for Predictive Analytics in Healthcare”,” International Journal of Engineering Trends and Technology”, ISSN 1092-910X.			
C.H.E.Khodke,” Evolution of Wireless Communication: From 5G to 6G”, Journal of Information Systems Engineering and Management, e-ISSN:2468-4376			
D.H.E.Khodke,” Securing the Digital Realm: Unleashing Hybrid Optimization for Deep Neural Network Intrusion Detection”, CRC Press (Taylor & Francis Group),			
1.H.E.Khodke,” Machine Learning for Quantum Computing Bridging the Gap between AI and Quantum Algorithms”,Scopus, International Journal of Intelligent Systems and Applications in Engineering,vol.12.No.21S,2024.			
2.H.E.Khodke,” Enhancing Knee Osteoarthritis Diagnosis With Convolutional Neural			

- Networks A Deep Learning Approach” ,IOSR Journal of Computer Engineering,ISSN-2278-0661,2024.
- 3.H.E.Khodke,” SENTIMENT ANALYSIS ON ONLINE SOCIAL NETWORKING SITES USING SLANGS”, Industrial Engineering Journal,ISSN: 0970-2555,Volume : 52, Issue 11, November : 2023
- 4.H.E.Khodke,” SECURING THE DIGITAL REALM: UNLEASHING HYBRID OPTIMIZATION FOR DEEP NEURAL NETWORK INTRUSION DETECTION”, China Petroleum Processing and Petrochemical Technology, Volume 23, Issue 2, September 2023
- 5.H.E.Khodke,” An Intelligent Approach to Empowering the Research of Biomedical Machine Learning in Medical Data Analysis using PALM”,Scopus, International Journal of Intelligent Systems and Applications in Engineering, 11(10s), 429–436.
- 6.H.E.Khodke,” Crop Yield Estimation Using Deep Learning and Satellite Imagery”,Scopus, International Journal of Intelligent Systems and Applications in Engineering, 11(10s), 464 – 471.
- 7.H.E.Khodke,” Grape Vision: A CNN-Based System for Yield Component Analysis of Grape Clusters”,Scopus, International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING,2023.
- 8.H.E.Khodke,” Innovations in Smart City Water Supply Systems”, Scopus, International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING,2023.
- 9.H.E.Khodke,”Attendance and Feedback management system”,IRJMETS,E-ISSN:2582-5208.
- 10.H.E.Khodke,” An effective heart disease predication using machine learning techniques”, PECMACT2k22,Scopus- AIP Conference Proceedings,2022.
- 11.H.E.Khodke,”Automatic video summarization for cricket match highlights using convolutional neural network”2022 international conference on smart technologies and systems for next generation computing(ICSTSN),2022,pp.1-7,doi:10.1109/ICSTSN53084.22
- 12.H.E.Khodke,” Machine Learning Approach for Big-Mart Sales Prediction framework”, ‘International Journal of Innovative Technology and Exploring Engineering,vo.11, Google Scholar,2022.
13. H.E. Khodke, S. K. Yadav, D. N. Kyatanavar,” Identification of important characteristics and methods for data processing in cardiovascular estimation”, journal of emerging technologies and innovative research”, volume-8, issue-4, April-2021, ISSN:2349-5162. [[Click Here](#)]
- 14.H.E. Khodke, S. K. Yadav, D. N. Kyatanavar,” A smart hybrid system platform for cardiovascular prediction”, international journal of research and analytical reviews (IJRAR), volume-3, issue-2, April-2021, E-ISSN:2348-1269, P-ISSN:2349-5138. [[Click Here](#)]
15. .H.E. Khodke, S. K. Yadav, D. N. Kyatanavar, “Study and analysis of medical data mining techniques in healthcare for heart disease using hybrid approach”, Advances in Parallel Computing (IOS Press),March 2020.pp.407 415, doi: 10.3233/APC35 [[Click Here](#)][[ISCOPUS INDEX](#)]
16. H.E. Khodke, S. K. Yadav, D. N. Kyatanavar, “A new approach of heart disease prediction system using data science” IEEE Sponsored International Conference on Smart Innovations in Design, Environment, Management, Planning and Computing (ICSIDEMPC 2020) held at MGM's Jawaharlal Nehru Engineering College Aurangabad, Maharashtra, India, 30 31 October 2020 [[Click Here](#)][[IEEE Xplore](#)]
17. H.E.Khodke,” Intrusion detection framework using efficient spectral clustering technique”, Advances in Parallel Computing (IOS Press),March 2020.pp.407 415, doi: 10.3233/APC35[[Click Here](#)][[ISCOPUS INDEX](#)]
18. H.E. Khodke, A.V. Brahmane, B.J.Dange, S.N.Gunjel, S.R. Deshmukh,” A New Approach of Patteren Matching and Analysis for handwritten Digits-Using Gradient Descent Back Propagation With Adaptive Learning”,CiIT,Volume 9,NO 5 2017 pp.81-85. [[Click Here](#)]

Papers presented in conferences:

- 1.H.E.Khodke," Automatic Video Summarization for Cricket Match Highlights using Convolutional Neural Network", 2022 International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN)
- 2.H.E.Khodke,"Face Mask Detection under the Threat of covid-19 virus" IEEE international conference on Block chain and distributed systems security,IEEE,2022.
3. H.E.Khodke,"Fusing Clustering and machine learning techniques for Big-Mart sales predication", IEEE international conference on Block chain and distributed systems security,IEEE,2022.
- 4.H.E.Khodke,"An effective heart disease predication using machine learning techniques"5th international conference for phoenixes on emerging current trends held on 25th and 28th March,2022 at PECTTEAM 2K22.
- 5.H.E. Khodke, S. K. Yadav, D. N. Kyatanavar, "A new approach of heart disease prediction system using data science" IEEE Sponsored International Conference on Smart Innovations in Design, Environment, Management, Planning and Computing (ICSIDEMPC 2020) held at MGM's Jawaharlal Nehru Engineering College Aurangabad, Maharashtra, India, 30 31 October 2020 [[Click Here](#)][[IEEE Xplore](#)]
6. H.E. Khodke, S. K. Yadav, D. N. Kyatanavar, "Study and analysis of medical data mining techniques in healthcare for heart disease using hybrid approach", Advances in Parallel Computing (IOS Press),March 2020.pp.407 415, doi: 10.3233/APC35 [[Click Here](#)][[Scopus index](#)]
7. H.E. Khodke, S. K. Yadav, D. N. Kyatanavar, "Improving heart disease prediction using feature selection", International multidisciplinary conference,27-29 November 2020 ISSN:2321-1067 [[Click Here](#)]
- 8.H.E.Khodke," Evaluation of pattern matching and analysis for handwritten digits using gradient descent backpropagation with adaptive learning",ICIETET,2019
9. H.E.Khodke," To implement data security in cloud computing Environment", ICIETET,2019
- 10.H.E.Khodke," FACTUAL DEMONSTRATION: FOR EVALUATING THE SECURITY STRENGTH OF CLOUD COMPUTING", international Journal of advance research in science and engineering, volume no.07,special issue(01),January 2018 ISSN:2319-8354[[Click Here](#)]
- 11.H.E.Khodke," A new approach of vehicle number plate recognition using template matching and neural network as hybrid method.", international journal of research culture society,Feb2018
12. H.E.Khodke," Review on Data Mining Techniques for Health Care",RAR-17-Nov-2018
10. A. V. Brahmane,B. J. Dange, S.N. Gunjal, S. R.Deshmukh, H.E. Khodke," A research on intrusion detection methods for distributing computing environment", IJIACS, May 1, 2017, Vol-06, Issue-05.

Research Profile URL

Google Scholar	https://scholar.google.com/citations?hl=en&user=oSpzNUkAAAAI
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57221612292
Orcid	https://orcid.org/0000-0002-8552-1782

Other Research Details

Ph Ds/ Projects Guided:	1)Detection and prediction of liver diseases by using datamining techniques 2)IOT based smart energy meter
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	3)Visualization of worldwide vaccination status by applying statistical model 4) Implementation of Human Resource Management System as a web application 5) Crime alert System using Historical data.		
IPRs/Patents	1.Date of filing of Application: 16/06/2020 Application No. 202041025334 Publication Date: 19/06/2020 Title of the invention Mobility assisted Ota working out for backscatter sensor networks using Machine Learning. [Click Here] 2.Date of filing of Application:08/06/2022 Application No:20221032672A Publication Date:24/06/2022 Title: Smart water bottle using IOT		
Professional Memberships:	1)International Society for Research and Development (ISRDR) [Click Here] 2)International Association of Engineers (IAENG) [Click Here] 3) The institute of Engineers(IEI India) [Click Here]		
Awards			
1) Best paper award in IEEE Sponsored International Conference on Smart Innovations in Design, Environment, Management, Planning and Computing (ICSIDEMPC-2020) held at MGM's Jawaharlal Nehru Engineering College Aurangabad, Maharashtra, India, 30-31 October 2020. 2)Texas instruments award in appreciation for fostering an ecosystem bridging government industry and academia.			
FACULTY DEVELOPMENT PROGRAMMES ATTENDED			
Name of the FDP / Workshop	Organization	Duration	Month-Year
Recent trends in computations	Vishwakarma institute of Technology, pune	One week	July 2021
Data science & machine learning with python	ATAL	One week	July 2021
Software testing: emerging trends	ATAL	One week	July 2021
Universal human values in technical education	Sanjivani college of Engineering, kopargaon.	One week	June2021
Quantum Computing	Department of Computer Engineering, K. K. Wagh Institute of Engineering Education and Research, Nashik, Maharashtra	1 week	February 2021
Python 3.4.3	MET's Institute of Engineering, Nashik	1 week	April 2020
R- Programming	SKN Sinhgad College of Engineering, Pandharpur	1 week	May 2020
Data Sciences	K.E. Society's Rajarambapu Institute of Technology, Rajarampur,	1 week	September 2020
AI and Data Science	JSPM's Rajarshi Shahu College of Engineering, Pune	1 week	July 2020
Blockchain Technology and Crypto Currency	Sanjivani College of Engineering, Kopargaon, Maharashtra,	1 week	November 2020

Cyber Security	SNJB College of Engineering,Chandwad	1 week	November 2019
NPTEL courses completed			
Sr.No	Name of course	Year	
1	Privacy and Security in Online Social Media	2024-25	
2	Programming in Java	2024-25	
3	Google Cloud Computing Foundations	2023	
4	Big Data Computing	Aug-Oct 2022	
5	Data Science for Engineers	Jan-Mar 2022	
6	Software Testing	Jan-Feb 2021	
7	Python for Data Science	Aug-Sep 2019	
8	Introduction to R Software	Aug-Sep 2018	
9	Introduction to Modern Application Development	Feb-Mar 2018	
INVITED LECTURES IN CONFERENCE/SEMINAR			
Title of Lecture/ Academic Session	Title of Conference/ Seminar etc.	Organized By	
Sanjivani LMS	Sanjivani LMS	Sanjivani Arts, Commerce and Science College, Kopargaon	
Sanjivani LMS	Sanjivani LMS	Sanjivani College of Pharmaceutical Education & Research, Kopargaon	