

NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS) DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING 2024-2025

Team Members B.Lakshmi Prasanna (21471A0513) P.Swetha Lakshmi (21471A0543) M.Sahithi (21471A0535) Guide Dr.Rama Krishna Eluri M.Tech.,Ph.D. Title Classification and Feature Selection Method for Medical Data TVFL(Binary golden eagle optimization-Time Varying Flig KNN(k-nearest neighbour) Domain/Technology MACHINE LEARNING Base Paper Link https://www.sciencedirect.com/science/article/abs/pii/S095070512 Dataset Link https://drive.google.com/drive/folders/1DTMgRpc2XVnbVxZogifOH?usp=drive link Downloaded From : Kaggle.com Browser: Any latest browser like Chrome Operating System: Windows 8 Server or later Python (COLAB) System Type: Intel Core i5 or above RAM: 8 GB Number of cores:5	•
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Software Requirements System: Windows 8 Server or later Python (COLAB) System Type: Intel Core i5 or above RAM: 8 GB	N3cxpN4pfSS7
Hardware Requirements RAM: 8 GB	
Number of Cores:3 Number of Threads: 4	
Classification accuracy and feature selection are important steps in analysis to identify suitable features that can improve the performar learning models In this study, we present a new method called (Binary Golden Eagle Optimization-Time Varying Flight Leng together is proposed for its K-nearest neighbour (KNN) algorith algorithm feature of BGEO is used for optimal subset selection, we algorithm is used for classification. The proposed method is test projects. The experimental results show that the proposed method other existing methods such as BWOA, BGWO, ACO, and AB accuracy and selected features. Our results show that BGEO TVF other algorithms in terms of accuracy and feature selection, ach classification accuracy and selecting fewer features compared to TVFL performs well as a good optimization algorithm for feature classification in medical data sets	BGEO TVFL gth) algorithm m. The TVFL while the KNN