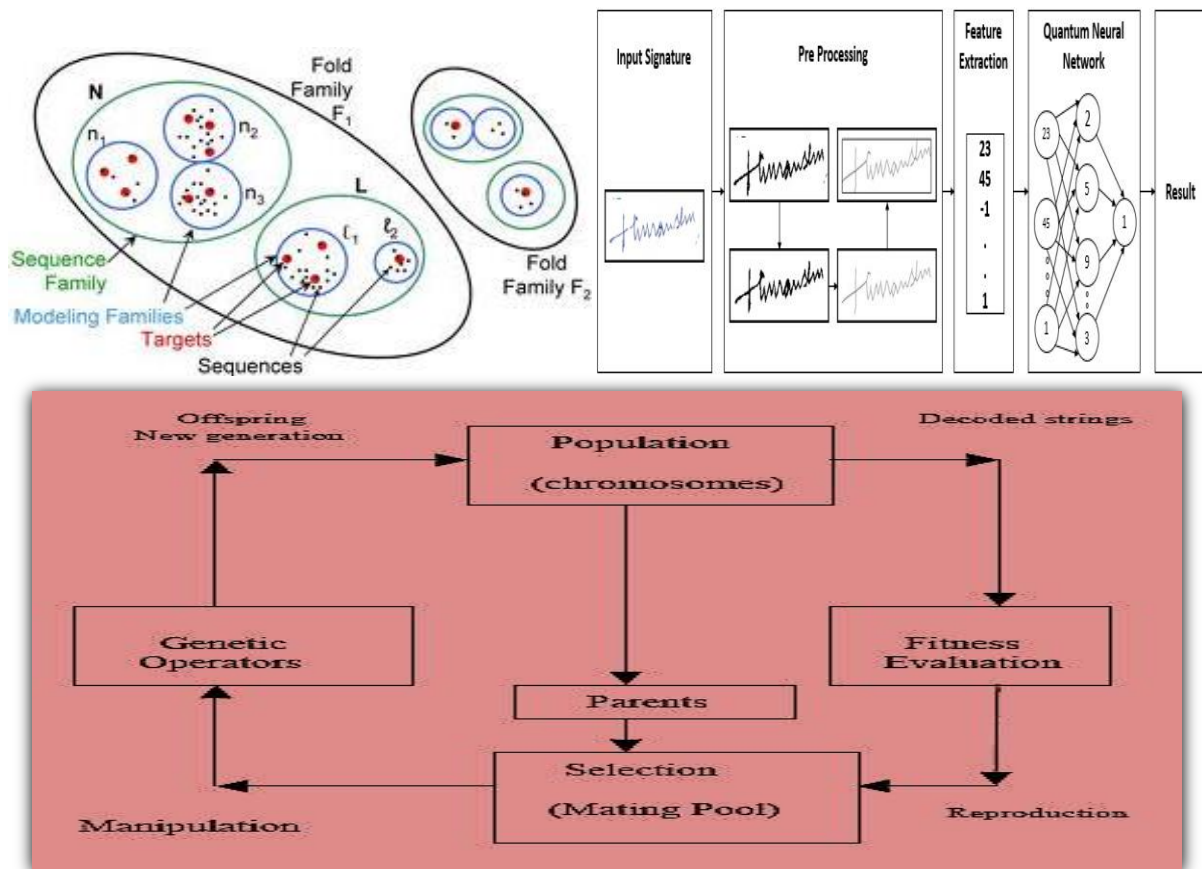


Research Highlights: Design and development of Softcomputing and Data mining algorithms for handling Big Data

The growing births of new intelligent system architectures are often due to the multi strategy learning and adaptation of advanced soft computing/data mining techniques in emerging challenges such as social media networks, genomics applications. Such problems need to address the issues of Big Data for classification, clustering and feature selection, feature extraction. Big data computing needs advanced technologies or methods to solve the issues of computational time to extract valuable information, in a realistic and practical time frame without compromising the models quality. Therefore, the need for developing intelligent scalable algorithms has been felt, which will be able to perform classification, clustering and feature selection in optimal sense after adjusting their parameters in an adaptive way to accomplish faster solutions to address Big Data. Currently collaborating with Soyabean Research centre Indore and CDAC, Bioinformatics group Pune.



The setup is established to check the performance of developed scalable Machine learning algorithms (like clustering, hybrid quantum fuzzy neural network) for handling big data in various domain like genomics (to increase the productivity of next generation plants based on the conserved region of plants), Stock exchange, cancer diagnosis, crime detection etc.