



As shown in figure 3, the various effort estimation models and optimization models are compared and it is analyzed that TLBO Model performs well in terms of MMRE Value.

VI. CONCLUSION

The effort estimation is the technique which will estimate the efforts for the software development. In the recent times various algorithms has been proposed which analyze the efforts for development. These models are COCOMO, COCOMO-II, Bailey, Dotty etc. In this work, we are working on COCOMO model which is based on KLOC values. It means that KLOC value is directly proportional to efforts means if the KLOC is analyzed accurately efforts are also analyzed in the efficient manner. In this work, we are using IVR dataset in which 47 projects are considered and KLOC of each project is given in the dataset. To reduce MRE value TLBO algorithm is applied which is based on learner and teaching phase. The proposed and existing algorithms are implemented in MATLAB and it is been analyzed that MRE value is reduced with the use of TLBO algorithm.

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