

List of Tables

2.1	Summary of prefix based early classification approaches.	12
2.2	Summary of shapelet based early classification approaches.	14
2.3	Summary of model based early classification approaches.	16
2.4	Summary of miscellaneous early classification approaches.	18
2.5	Comparative summary of existing literature on early classification approaches for MTS.	19
3.1	Sets of sampling rate setting for the used datasets.	45
3.2	Illustration of accuracy and earliness results using $\alpha = 0.9$	48
3.3	Illustration of execution time comparison for different datasets.	51
4.1	Type of onboard sensors of smartphone on different body parts.	76
4.2	Input parameters of FECM for different datasets.	78
4.3	Performance of FECM on increasing the number of faulty components in the testing MTS. [\mathcal{A} : Accuracy and \mathcal{E} : Earliness]	84
4.4	Comparison of FECM with existing approaches on accuracy and earliness metrics using different datasets at $\alpha = 0.9$	84
5.1	Comparison of SECM with existing approaches using different datasets.	111