**ABSTRACT**

The existence of the psychological stress on the students cannot be denied in this era of digital and modern education. This utilization proposes , IOT- aware student-centric stress monitoring and real-time alert generating framework to predict student stress index in a particular context. In addition, VGG16, Bidirectional Long Short Term Memory network(Bi-LSTM), and Multinomial Naïve Bayes Techniques are used to generate the scores of emotions from student facial expressions, speech pitch, and content of student speech at the cloud layer, classify the stress events as normal or abnormal on the basis of overall emotion of the physiological data readings, a stern alert is sent to the student, coordinators and caretakers. The proposed framework will be a great tool that will support the education institutions, students, their parents and guardians to get a real-time alert on students overall emotions. The prior knowledge of stress accumulated on the mind of the student will help in overcoming major problems and help in tackling the stress situations.