

# **VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

“Jnana Sangama”, Belagavi-590018



## **A Seminar Report on**

### **“Machine Learning for Efficient Assessment and Prediction of Human Performance in CLE”**

*Submitted in partial fulfillment of the requirement for the award of the Degree of*

## **BACHELOR OF ENGINEERING**

*In*

## **COMPUTER SCIENCE & ENGINEERING**

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### CERTIFICATE

Certified that the seminar of the topic entitled " **Machine Learning for Efficient Assessment and Prediction of Human Performance in CLE**" submitted by "Atul Chandran (1TJ15CS009)", bonafide student of **T. John Institute of Technology** is approved by the seminar guide in partial fulfillment for the award of degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2018-2019.

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## ABSTRACT

*The proposal of a machine learning-based methodology system architecture and algorithms to find patterns of learning, interaction, and relationship and effective assessment for a complex system involving massive data that could be obtained from a proposed collaborative learning environment (CLE). Collaborative learning may take place between dyads or larger team members to find solutions for real-time events or problems, and to discuss concepts or interactions during situational judgment tasks (SJT). Modelling a collaborative, networked system that involves multimodal data presents many challenges. The main focus is on developing a Machine Learning - (ML)-based system architecture to promote understanding of the behaviours, group dynamics, and interactions in the CLE.*

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