

# **Authentic Assessment for Engaging Under Performing Students in a Synchronous Online Teaching Mode**

**Dr. Ilham Kissani**

Assistant Professor of Engineering & Management Science  
School of Science & Engineering  
Al Akhawayn University  
Ifrane, Morocco

## **Abstract**

A key concern in online teaching mode is how to make learners learn in a way that is more authentic to them and genuinely assess them in an environment when feedback from facial expressions, interaction, and human contact is absent. To this end, assessment tools are more increasingly developed to help keep tracking students' progress before reaching the formal assessment phase (formative or summative ones) and thus can help prevent having some undesirable outcomes and irreversible consequences.

This paper aims at presenting a useful assessment technique of student performance in online teaching, with providing detailed description and results interpretation. The proposed method was tested and proven to be of great added value, very useful for all instructors regardless of their discipline and could be also a significant assessment tool. Moreover, a proposed set of indicators combined with k-means method is presented to predict at risk students in synchronous teaching environment.

## **Biography**

**Dr. Ilham Kissani** is an assistant professor in the field of engineering management for the School of Science and Engineering at Al Akhawayn University in Ifrane, Morocco. She has served as the main advisor and lead instructor for the undergraduate and MS programs in Engineering and Management Systems since 2010. She has helped create very close ties with the AUI School of Business Administration, which allows both schools to leverage our resources and deliver a greater diversity of courses to students, such as supply chain management and operations management. Her background is diverse and includes industrial experience as well as academic. Her degrees are from INSEA, Morocco (Engineer) and Université Laval, Canada (Master and Ph.D). She has worked with Royal Dutch Shell as a project manager and with Modellium Québec, where she consulted in logistics and supply chain issues. Additionally, Dr. Kissani contributes in research in supply chain management, planning, and operations research. She is a member of ASEM, IEEE, IEOM, IIE, and INFORMS.