

**UNIVERSITI TEKNOLOGI MARA**

**TECHNICAL REPORT**

**PREFERENCE IN SELECTING TEACHING AND LEARNING  
(PDP) MODE AMONG UITM STUDENTS BY USING ANALYTIC  
HIERARCHY PROCESS (AHP)**

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## **ABSTRACT**

During the COVID-19 pandemic, education has been one of the sectors most impacted, since WHO has taken many precautionary measures to restrict the spread of Coronavirus which resulted in a massive disruption in the education system due educational institutions around the world were closed. After more than two years, Covid-19 is in an endemic phase which has made all of the teaching and learning methods have gone through many new changes. Alternative approaches in the form of synchronous and asynchronous methods were adopted. While this change was necessary to maintain continuity throughout the crisis, it also underlined the need to reassess and optimize the learning environment for students after the epidemic has passed. Students' priorities for selecting a learning mode might vary depending on individual characteristics, situations, and personal preferences. The objective of research is to find the most important criteria for teaching and learning mode and to determine the preferable teaching and learning mode by using AHP. Thus, the Analytic Hierarchy Process (AHP) is the method that we use to solve this problem as it can select alternatives based on criteria. AHP is a decision-making tool to assist decision makers to determine the right decision. This method can be divided into three main sections which are objective, criteria and alternative. To demonstrate the use of AHP, we designed a questionnaire that considered the seven criteria and four alternatives used in this study before distributing it to a group of people who would fill it out using social media platforms. The results showed that instructor characteristics was the most important consideration and hybrid learning mode was the recommended alternative for teaching and learning mode as it has the highest value among other alternatives. Yet, since neither of these people learn in the same manner, it is best for future research to perhaps collect additional data to get more precise and unambiguous findings about the most desirable criteria and alternatives in determining the best educational style for them. It is crucial to remember, however, that there is no right or incorrect learning method. Each approach has benefits and drawbacks.