

Peer Review

Review of: "Dynamism and Total Integration in Engineering Curriculum Planning to Meet Industry Needs and Implementation based on Theory into Practice (TIP)"

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1. Independent researcher

The manuscript offers an engaging analysis of curriculum development, specifically addressing the intersection of academic frameworks and industry needs for talented individuals. While the paper largely caters to an academic audience, it successfully attempts to bridge the gap between academia and industry by exploring the dynamism of practical, competency-based curriculum development. However, there are several aspects that could be enhanced to improve the manuscript's clarity, rigor, and overall quality.

Introduction:

The introduction needs to be more concise and focused on the main research topic. The dynamic approach to curriculum development should be clearly articulated and explicitly connected to the competencies required by industry. The relationship between colleges and industry should be emphasized, particularly in the context of the VUCA (Volatile, Uncertain, Complex, and Ambiguous) environment. While the authors mention this concept, it requires further elaboration with examples and evidence to establish its relevance. Providing a stronger theoretical background to frame the discussion would significantly enhance this section.

Literature Review:

The literature review has room for improvement. The authors should deepen their engagement with existing studies by citing recent and relevant works related to curriculum development and industrial needs. Instead of clustering multiple citations in single sentences, the authors should adopt a more

structured approach by elaborating on each reference and linking it to the manuscript's objectives. A critical analysis of prior research will strengthen the argumentative basis of this section and provide a robust theoretical foundation for the study.

Analysis:

The analysis section should be rewritten in a narrative format instead of using bullet points. For example, the SWOT analysis presented in the manuscript needs to be supported by detailed explanations of each component and its implications. The authors should provide academic reasoning and contextual evidence to substantiate their findings and demonstrate their practical relevance. This will add depth to the analysis and align it with the expectations of scholarly work.

Good luck.

Declarations

Potential competing interests: No potential competing interests to declare.