

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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Positive Points:

1. Practical and Industry-Focused Approach:

The article provides a well-structured, practical framework for curriculum development that aligns with industrial needs, ensuring graduates are well-prepared for employment.

2. Comprehensive Coverage of Key Components:

The integration of elements like tracer studies, SWOT analysis, and stakeholder feedback reflects a thorough understanding of what is necessary for effective curriculum design and implementation.

3. Global Applicability:

Although the model is region-specific, the article acknowledges its potential for refinement and adaptation for global contexts, making it valuable for a broader audience.

Negatives:

4. Over-Generalization in Implementation:

The article discusses steps for curriculum development and implementation in broad terms but lacks detailed examples or case studies to demonstrate how these steps were applied in practice.

2. Limited Data and Evidence:

While the model is described as being used since 1976, there is insufficient statistical or qualitative

evidence presented to substantiate its effectiveness or success.

Suggestions for Improvement:

1. Include Real-World Examples or Case Studies:

Provide specific examples or case studies from the southern states of India where this model has been implemented. This would help readers understand how the framework works in practice and validate its success.

2. Expand on Limitations and Address Variability:

The limitations section could be expanded to include potential challenges in adapting this model to countries with different educational systems, cultures, or industrial landscapes. Additionally, suggest ways to overcome these challenges.

Declarations

Potential competing interests: No potential competing interests to declare.