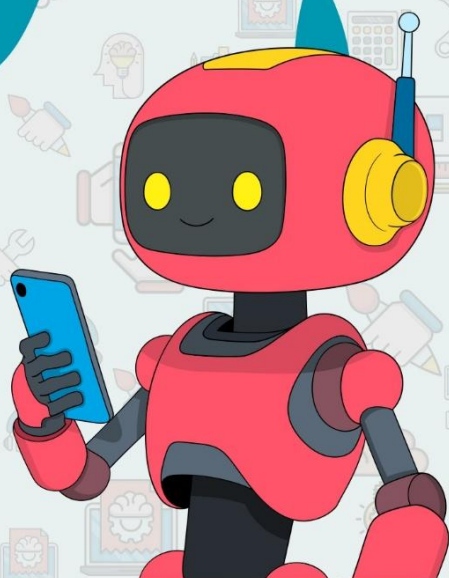


1st Edition



STEAM+

A Comprehensive Module of Learning



IIUM

TAHRIK EKSTREMISME
LEADING THE WAY
UMMATIC EXCELLENCE
LEADING THE WORLD

STEAM+ A COMPREHENSIVE MODULE OF LEARNING

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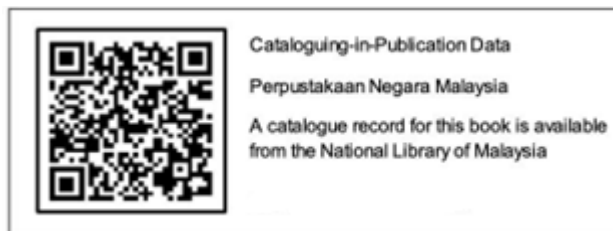
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PREFACE

In the name of God, the Most Gracious and the Most Merciful.

Praise be to Allah, the Lord of the worlds, and peace and blessings be upon the Messenger of Allah (swt), his family, and his companions.

Education in the 21st century demands more than the acquisition of knowledge; it calls for creativity, critical thinking, collaboration, and innovation. The integration of Science, Technology, Engineering, Arts, and Mathematics (STEAM+) reflects a holistic approach to learning that nurtures not only intellectual growth but also imagination, ethical awareness, and real-world application. Through interdisciplinary exploration, students are empowered to connect concepts across domains and develop meaningful solutions to contemporary challenges.

In line with this aspiration, this module is further enriched by the concept of *Ramadan as Living Pedagogy*, which reframes Ramadan not merely as a ritual observance but as a transformative educational framework grounded in Tawhidic epistemology. Moving beyond the separation between devotion ('ibadah), knowledge ('ilm), and civic responsibility (amanah), this approach positions learning as an integrative experience that unites ethical formation, intellectual engagement, and community praxis. Through reflective practices, service-learning, STEAM-based activities, and structured communal engagement, learners are guided to internalise knowledge in ways that are both spiritually meaningful and socially impactful.

This module is designed to serve as a practical and engaging guide for educators and students in implementing STEAM+ learning within such an integrative framework. It provides structured activities, hands-on experiences, and inquiry-based approaches that encourage active participation and deeper understanding. Inspired by initiatives such as Community Engagement Sarawak 2026, the module emphasises the development of moral agency, identity formation, and civic responsibility, nurturing learners who are not only knowledgeable but also ethically grounded and socially responsive.

This STEAM+ module was developed by committed academics and educators who strive to enhance teaching and learning experiences. It is carefully curated from credible sources and enriched with practical insights to ensure its relevance and effectiveness. We sincerely make du'a that this module will benefit students, educators, and institutions, contributing positively not only to our community but to the wider global society, insyaAllah.

ABSTRACT

The *Ramadan as Living Pedagogy* module provides a comprehensive framework that reimagines Ramadan as a transformative educational experience grounded in Tawhidic epistemology. It emphasizes the integration of devotion ('ibadah), knowledge ('ilm), and civic responsibility (amanah), addressing the fragmentation often found in faith-based education. The module offers structured approaches through reflective learning, service-learning projects, STEAM engagement, and communal practices, enabling learners to connect ethical formation with intellectual and social development.

Additionally, the module highlights the importance of experiential and community-based learning, drawing on initiatives such as Community Engagement Sarawak 2026 to demonstrate real-world application. By encouraging critical reflection, moral agency, and civic intentionality, it equips students with the capacity to align belief with action and contribute meaningfully to society. Whether for educators, students, or practitioners in holistic education, this module serves as a valuable resource for fostering ethically grounded, socially responsible, and integrative learning experiences.



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