The Problems Faced in Academia

- Stagnant curriculum vis-à-vis modern needs
- Lack of support for human resources
- Unholistic assessments
- Traditional teaching methods
- Low level of gamification
- Lack of inclusivity in learning environment

Research Objectives

- Evaluate the curriculum adaptation
- Find means to enhance educator support and development
- Understand the importance of holistic assessments
- Study the integration of novel teaching methods
- Utilisation of gamification
- Foster inclusive learning environments

Literature Review - Curriculum Design

- Curriculum Importance: Aligns with societal and technological changes (Tyler, 1949; Pinar, 2012)

- Interdisciplinary Approach: Focuses on real-world applications (Dede, 2009)

- Relevance: Prepares students for modern professional challenges

Literature Review - Human Resources

- Teacher Impact: Effective teaching significantly influences student outcomes (Hattie, 2009)

- Professional Development: Essential for maintaining instructional quality (Darling-Hammond et al., 2017)

- Collaborative Culture: Supports sharing of best practices (Fullan, 2007)

Literature Review - Assessments and Assimilation

- Holistic Assessments: Move from standardized to formative evaluations (Black & Wiliam, 1998)

- Feedback-Driven: Continuous feedback informs instructional practices

- Student-Centric Evaluation: Emphasis on comprehensive skills rather than rote learning (Harlen, 2007)

Literature Review - Novelty

- Innovation in Teaching: Emphasizes digital tools and flipped classrooms (Bergmann & Sams, 2012)

- Engagement through Novelty: Encourages hands-on, interactive learning (Hirsch, 2016)

- Student Motivation: Enhanced through real-world applications

Literature Review - Gamification

- Engagement Tool: Utilizes rewards, challenges, and leaderboards (Deterding et al., 2011)

- Motivation: Encourages active participation and enjoyment (Hamari et al., 2014)

- Collaboration: Fosters teamwork and peer engagement

Literature Review - Engagement

- Inclusive Environment: Supports student voice and agency (Fredricks et al., 2004)

- Multi-Dimensional: Cognitive, emotional, and behavioral engagement

- Benefits: Improved academic performance and retention (Kuh, 2009)
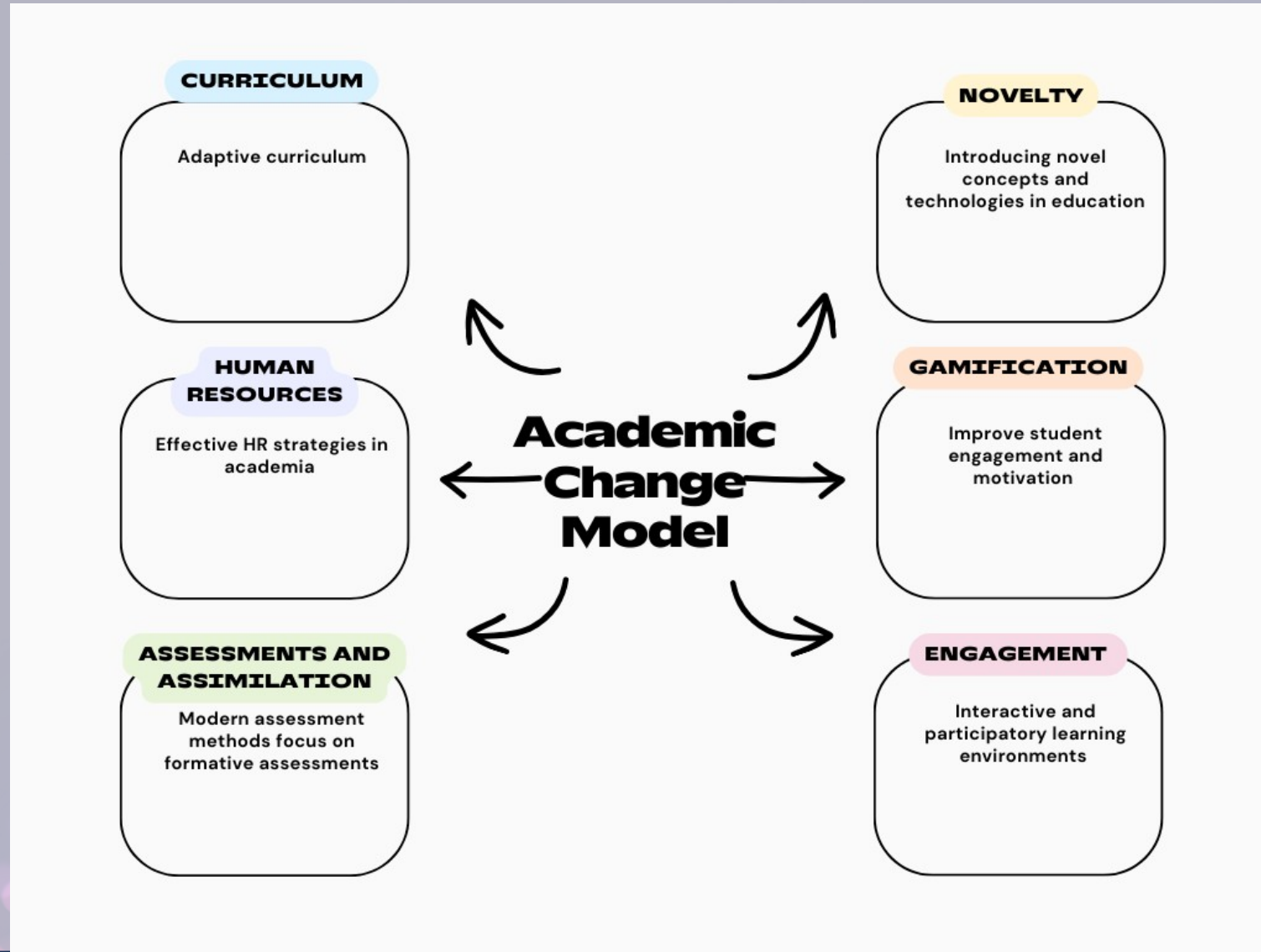
The Academic CHANGE Model
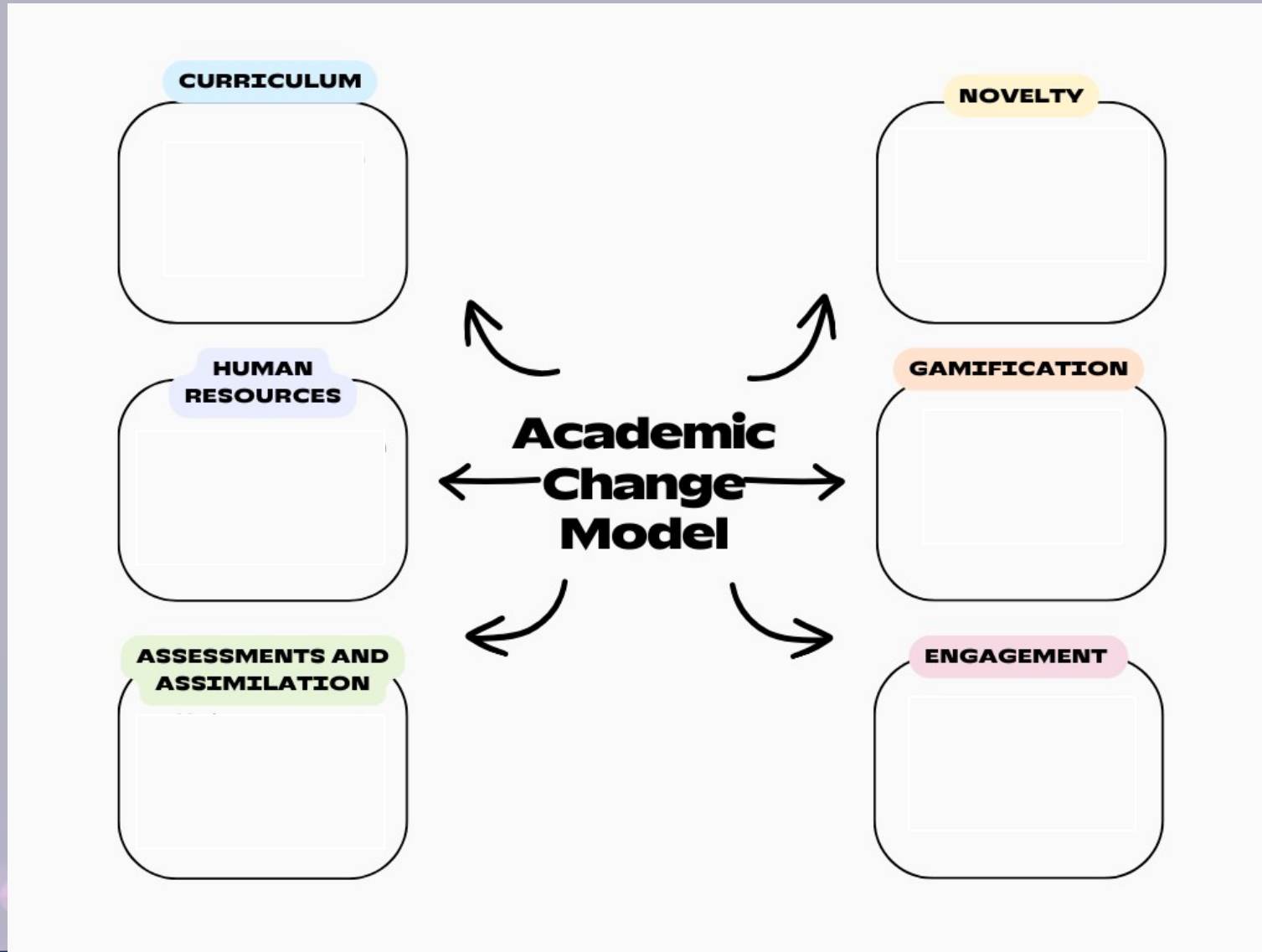
Research Methodology

- Method: Qualitative analysis through interviews with educators (16) and students (5)
- Approach: Thematic analysis to extract key themes and insights

Findings and Thematic Analysis

- Curriculum: Interdisciplinary, practical applications enhance student readiness
- Human Resources: Continuous training and collaboration lead to higher teaching quality
- Assessments: Holistic evaluations offer comprehensive understanding of student abilities
- Novelty: Innovative teaching methods foster engagement and real-world applicability
- Gamification: Interactive elements increase motivation and participation
- Engagement: Inclusive classrooms improve involvement and learning experience

The Academic CHANGE Model

Discussion

- Key Insights:
  - The Academic CHANGE Model is adaptable and relevant
  - Supports a collaborative learning environment
  - Encourages modern teaching methods and practical assessments
- Overall Impact: Positive transformations in teaching quality, student engagement, and learning outcomes

Conclusion

- Summary: The Academic CHANGE Model effectively addresses educational challenges in tertiary institutions
- Saturation Evidence: Consistent themes and positive impacts across educator and student feedback
- Implications: Adoption of the model can improve educational effectiveness and adaptability

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