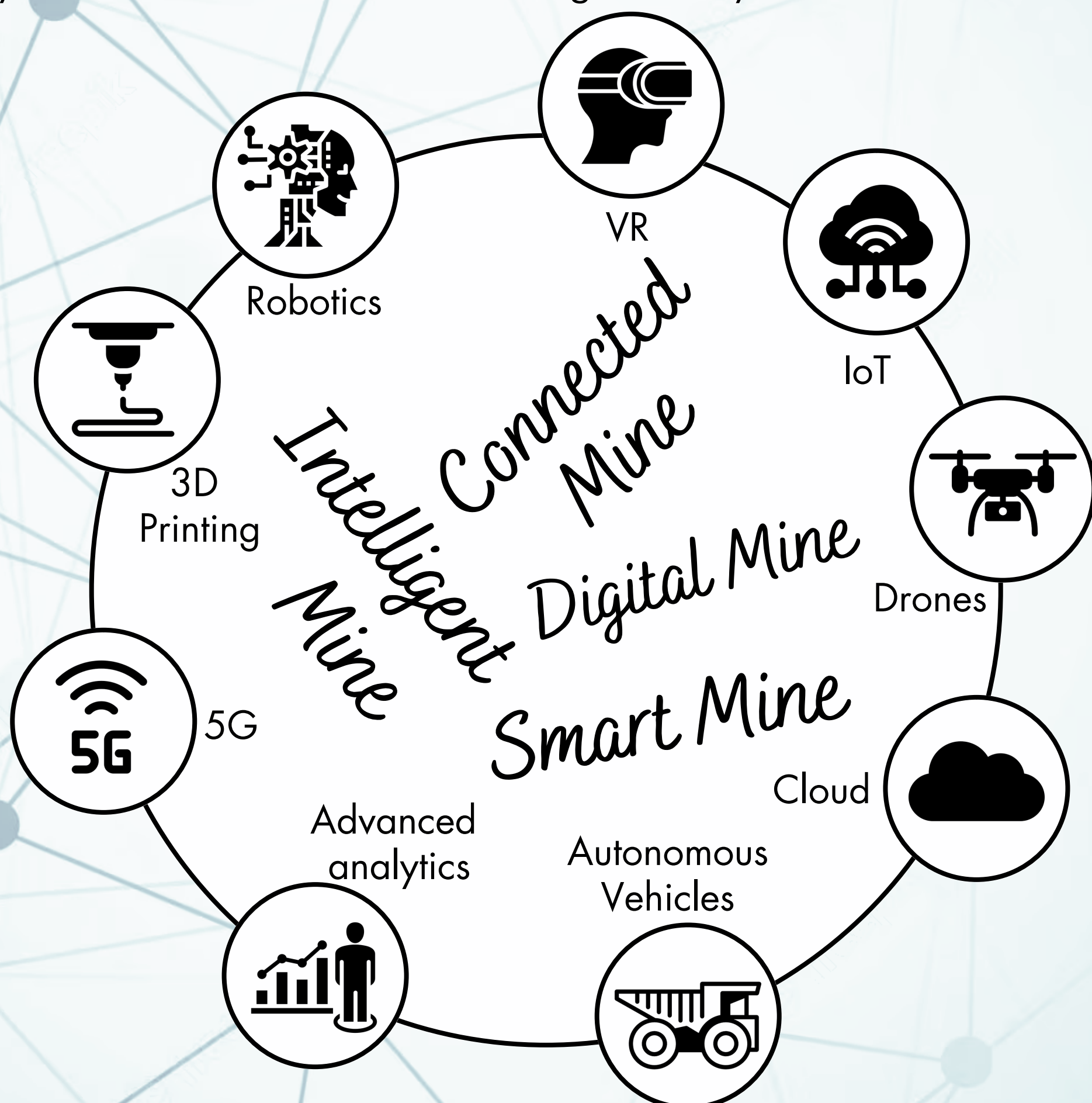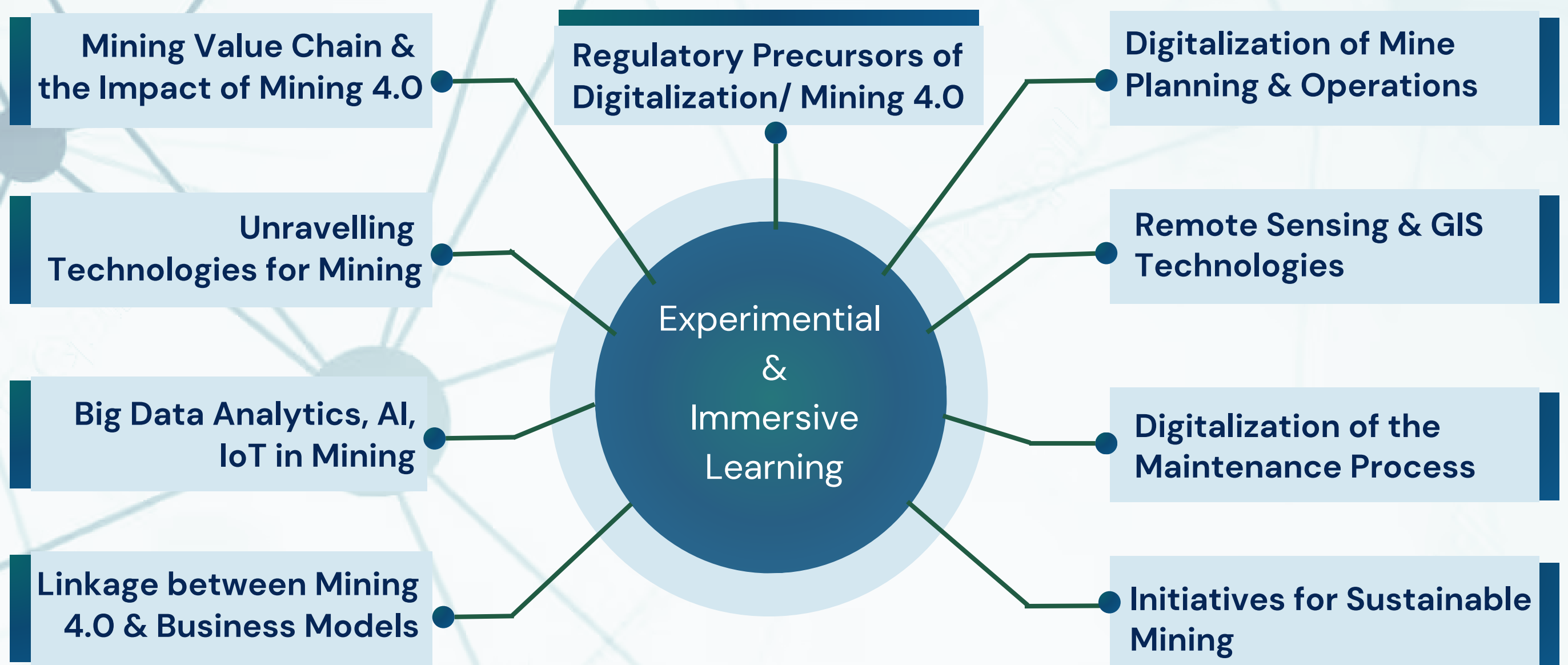# Master Class on Digital Transformation in Mining

Digital Transformation of Mining has the Potential to Unlock Hidden Opportunities in Mining

The "Master Class on Digitalization of Mining Processes" is designed to provide a comprehensive understanding about adoption of Mining 4.0 technologies across the value chain, encompassing exploration, mine planning & operation systems, production & maintenance systems, as well as the mine management systems.

Robotics

VR

IoT

3D Printing

Connected Mine

Intelligent Mine

Digital Mine

Drones

5G

Smart Mine

Advanced analytics

Autonomous Vehicles

Cloud

Mining Value Chain & the Impact of Mining 4.0

Regulatory Precursors of Digitalization/ Mining 4.0

Digitalization of Mine Planning & Operations

Unravelling Technologies for Mining

Experimential & Immersive Learning

Remote Sensing & GIS Technologies

Big Data Analytics, AI, IoT in Mining

Digitalization of the Maintenance Process

Linkage between Mining 4.0 & Business Models

Initiatives for Sustainable Mining

Who should participate?

General Managers and Assistant General Managers who are actively involved in high stake decision making, business process management, and technology adoption strategies to drive productivity, profitability, and sustainability of the mining operations.

Upon completion of this 5-day Masterclass, the participants will:

- Understand Mining 4.0 digital technologies and their application to solve real time mining problems across the value chain
- Know to drive adoption of emerging technologies in their organization
- Address the key issues of productivity, safety, and sustainability of mining processes
- Take away a couple of use cases which they can plan to implement in their organization

Facilitators

The Master Class will be led by leading Professors from IIT (ISM) Dhanbad, industry leaders in Mining 4.0 Technologies, senior representatives from regulatory bodies, and other subject matter experts from TEXMiN.

Date & Venue

3rd to 7th July, 2023 at TEXMiN, i2h Tower (Institute Innovation Hub), IIT(ISM) Dhanbad

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