







## **THEMES OF RESEARCH**

- 1. Artificial Intelligence and Emerging Technologies
- 2. Innovative Medical Devices
- 3. Value Creation
- 4. Micro, Small and Medium Enterprise
- 5. Climate Preparedness and Community Resilience
- 6. Environment, Social and Governance
- 7. Food Security and Intelligent Farming
- 8. Urban Ecosystem, Culture and Heritage
- 9. Futures Studies
- 10. Halal Research, Training and Education

- 11. Smart Mobility
- 12. Aerospace Innovation
- 13. Rare Earth Elements
- 14. Natural Products, Biopharmaceuticals and Precision Medicine
- 15. Future Sustainable Energy
- 16. Biodiversity for Sustainable Economy
- 17. Quantum Information Science and Technology \*
- 18. Digital Transformation of Health

\*Research and Profit Making \*Research \*Other Potential Shell Centre

## UMCENTRES OF FXCELLENCE (CoEs)

a)		Publication
Scie	ences	Three (3) Web of Science -Indexed Publications of which one must be Q1 (research article).
	ial Sciences, Arts Humanities	<ul> <li>Three (3) Scopus-Indexed Publications of which one must be Q1 (research article); OR</li> <li>One (1) Q1 Scopus-Indexed Publication (research article) and 1 Book (only Research book(s) published by internationally renowned Publishers and those in the MAPIM List will be accepted)</li> </ul>
b)		Human Capital Development
	1 PhD (36	S-month research)/Master (24-month research)
	ACKNOWLEDGEMENT OF A maximum of three (3) grant	RESEARCH OUTPUT s are allowed to be acknowledged and <u>UMREG</u> must be the <u>first</u> grant in the sequence of <u>ackn</u>



