



PRELIMINARY SURVEY VISIT

AREA V RESEARCH

A. PRIORITIES AND RELEVANCE

A.1. Copy of the Institutional Research Agenda



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USM RESEARCH, DEVELOPMENT, AND EXTENSION (RDE)

MANUAL

2024

**Republic of the Philippines
UNIVERSITY OF SOUTHERN MINDANAO
Kabacan, Cotabato
9407 Philippines**



The USM Research, Development and Extension (RDE) Manual Revised
2024

Approved by the USM Board of Regents (BOR) by virtue of Resolution No. 106, s. 2023
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1.3 RDE Agenda (BOR Resolution No. 69, series 2021)

In support to the national agenda and in consultations with stakeholders, the RDE themes are as follows:

RDE Themes	RDE Priority Areas
Quality Learning, Skills Development, and Literacy	Innovative teaching strategies; development and evaluation of functional education materials and modalities, and teaching strategies/approaches, motivation, and engagement; school climate; school and knowledge management; special education; remedial education; curriculum development and implementation; alternative learning system; assessment studies; soft skills; practical skills; adult education; language literacy; numerical literacy; data literacy; computer literacy; international studies; tracer studies; livelihood programs;; capacity building; capability building
Social Development, and Strong Institutions	Gender and development GAD; peace initiatives; community development; human security; justice; public policy and legislations; social rehabilitation; governance; organizational studies; behavioral studies; social institutions; ethics and public accountability; programs/project assessment; community needs assessment and interventions; partnerships and linkages; technology adoption; Institutional development; upgrading of laboratory and lecture facilities
Preservation of Culture	Multicultural studies; educational materials for IPs; indigenous knowledge systems and practices; development of materials for cultural knowledge and promotion; arts; language and literature studies; traditional dance, sports and music; halal studies
Environmental Protection, Conservation, and Risk Reduction	Environment rehabilitation studies; biodiversity; climate change adaptation; risk, hazard and mitigation; biosafety; natural resources conservation and management; bioremediation; flood control; waste management; ecological preservation and care; environmental impact assessment; tourism; agroecology; natural farming
Food Security and Poverty Reduction	Agricultural and fisheries research; biotechnology; innovations; quality food product development; technology development; halal food production; sustainable production; responsible consumption; organic agriculture; food testing; smart agriculture; precision farming; farm machineries; post-harvest facilities; vertical farming; indigenous food; food tourism; development of new breeds and varieties

RDE Themes	RDE Priority Areas
Good Health and Wellbeing	Nutrition; nutraceuticals; sports, physical education; physical fitness; sports psychology; health resiliency; psycho-social health; medical and medicinal studies; hygiene and sanitation; functional foods; food and water quality and safety; mental and emotional health; therapy; coping mechanism; preventive measures; emerging diseases; health management; traditional and alternative medicine; community health; risk assessment and mitigation; health informatics, regenerative medicine, emergency response medicine
Innovations in Science, Engineering, and Technology	Innovations and futures thinking; product and technology development; energy; materials science; nanotechnologies; robotics; artificial intelligence; internet of things; Science, Engineering, Communication, and Technologies (SECT) 4.0; biotechnology and OMIC technologies; inventions and discoveries; basic research; information technologies; electronics; drug discovery; mathematics; emerging technologies; fabrication; transport system; waste management; infrastructure; water systems; simulation studies; industrial and allied technology, Data Science and Analytics, GIS, Remote sensing, machine learning; quantum technology; smart cities
Sustainable Entrepreneurship and Management	Economics; micro and macro scale business; product development; marketing; commercialization; networking; franchising; financial management; business feasibility studies; risk and opportunities; value adding; value chain analysis; organizational management; quality service assessment; human resource management; production management; sustainable cooperative studies; Entrepreneurial studies



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AND VIA ZOOM TELECONFERENCE

Resolution No. 106
Series of 2023

USM RESEARCH, DEVELOPMENT, AND EXTENSION (RDE) MANUAL

Approving the USM Research, Development, and Extension (RDE) Manual which provides policies and guidelines for a system that will undertake multi-disciplinary approaches for RDE activities, provide information about RDE services, directions for processing of theses and RDE proposals, monitor and evaluate the progress of RDE projects, create mechanisms to come up with the quality standard of RDE activities, and streamline coordination and collaboration of all the RDE units, colleges, and institutes in RDE endeavors, for implementation in the CY 2024 onwards, subject to annual review.

APPROVED

X-X

CERTIFIED TRUE AND CORRECT:

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