

DevCom Research



NARRATIVE REPORT

Level 4 Accreditation Phase 2



USM Research and RDE Manual

Among the University's four-fold functions, research is a function that gives prestige to USM.

It is led by Dr. Debbie Marie B. Versoza, the designated Vice President for Research, Development and Extension effective March 4, 2025.



Special Order No. 1101C

Series of 2025

TO: **DR. DEBBIE MARIE B. VERZOSA**

SUBJECT: **Designation as VICE PRESIDENT FOR RESEARCH, DEVELOPMENT & EXTENSION (VPRDE)**

DATE: **Friday, 28 February 2025**

In the exigency of the service and for the best interest of the University, you are hereby designated as **VICE PRESIDENT FOR RESEARCH, DEVELOPMENT & EXTENSION (VPRDE)** in addition to your appointive position, effective **March 04, 2025**, subject to the performance evaluation as set in the OPCR and subject further to the confirmation of the Board of Regents.

As Vice President, you are hereby directed and expected to perform the following functions:

1. Shall conscientiously assist the University President in the general supervision on the operation of the research, development and extension programs of the University in accordance with the University principles, policies, rules and regulations and existing laws of the government.
2. Exercise leadership to develop policies and guidelines governing research, development and extension affairs of the University for the BOR confirmation;
3. Plan, promote, and establish close working relations and linkage with appropriate government, non-government research and development organizations for the funding of external research and extension programs.
4. Prepare budget utilization and implement the same within time frame, agreed upon with the finance personnel;
5. Submit OPCR for the Office of the University Research, Development, and Extension;
6. Monitor the program planning and development for research, development and extension activities which are geared towards the growth and development of the University, the region and the country;
7. Supervise line offices under the Vice President for Research, Development and Extension
8. Cascade information to all concerned personnel;
9. Attend meetings and University activities;
10. Recommend University personnel for professional development endeavors;
11. Serve as VPRDE in acting capacity, until confirmed and duly acted upon by the USM BOR; and,
12. Perform such other related functions as may be directed by the President and other competent higher authorities.





USM Research and RDE Manual

The USM Research, Development and Extension (RDE) Manual Revised 2024 is approved by the USM Board of Regents (BOR) by virtue of Resolution Number 106 series of 2023. Its revisions are approved by the USM Board of Regents by virtue of Resolution Number 119 series of 2024.

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USM RESEARCH, DEVELOPMENT,
AND EXTENSION (RDE)

MANUAL

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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
Revisions approved by the USM Board of Regents by virtue of Resolution No. 119, s. 2024

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PUBLISHED BY

Office of the Vice President for Research, Development and Extension and
Research Publication Services Office

DIGITAL VERSION PREPARED BY

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USM RESEARCH AGENDA

Among the University's four-fold functions, research is a function that gives prestige to USM. The USM Research Agenda 2022 to 2031 has eight themes.

These are 1) quality learning, skills development and literacy; 2) social development and strong institutions; 3) preservation of culture; 4) environmental protection, conservation and risk reduction; 5) food security and poverty reduction; 6) good health and well-being; 7) innovations in Science, Engineering and technology; and 8) sustainable entrepreneurship and management.

USM Research, Development and Extension Agenda from 2022 to 2031

University of Southern Mindanao Research, Development and Extension (RDE) Agenda (2022-2031)

RDE Themes		RDE Priority Areas
1	Quality Learning, Skills Development, and Literacy	Innovative teaching strategies; development and evaluation of functional education materials and modality; development of strategies/approaches for increased learning interest, motivation and engagement; school management; knowledge management; special education; remedial education; alternative learning system; assessment; soft skills; practical skills; adult education; language literacy; numerical literacy; data literacy; computer literacy; international studies; tracer studies
2	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
3	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
4	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
5	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; livelihood programs; subsidy impact assessment; capacity building; capability building; farm machineries; post-harvest facilities; vertical farming; indigenous food
6	Good Health and Well-being	Nutrition; sports; physical education; resilience; psycho-social health; medical and medicinal studies; sanitation; functional foods; food and water quality and safety; mental and emotional health; therapy; coping mechanism; preventive measures; emerging diseases; health management; alternative medicine
7	Innovations in Science, Engineering, and Technology	Innovations; 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
8	Sustainable Entrepreneurship and Management	Entrepreneurship; 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

Researches of DevCom faculty genuinely adhere to the the six research agenda themes of USM.

These include quality learning, skills development and literacy; social development and strong institutions; preservation of culture; environmental protection, conservation and risk reduction; food security and poverty reduction; and sustainable entrepreneurship and management.

DEVCOM FACULTY COMPLETED RESEARCHES

Year	Number of Completed Researches
2026	2
2025	6
2024	2
2023	1
2022	1
2021	2
Total	14

From 2021 to 2026, 14 researches were completed by the DevCom faculty.

Nine out of 11 faculty members of DevCom are engaged in research. More than half of their researches are published in different journals and presented in fora. The researches are locally funded by the university and by national and international funding agencies or institutions.

DevCom Faculty researches are presented in local and national levels as well as published in national and international journals. Local fund researches are funded by USM and presented locally during the USM Agency In-house Review.

COMPLETED FACULTY RESEARCHES LOCAL FUND

Name of Faculty	Title of Research	Funding Agency or Institution	Role in Research	Research Duration Month and Year
1.GUERRERO, SARRAH JANE C	Unification of Service Mechanism for Participatory Governance (USM4PG) in the Municipality of Kabacan	USM	Project Member	November 19 to December 19, 2021
2.VILLANUEVA, PAMELA B	Cacao Futures: Production of Cacao Quality Planting Materials (QPM) and Tablea as Health Food for Community Dispersal to Alleviate COVID-19 Effects	USM	Project Staff	January to June 2022

COMPLETED FACULTY RESEARCHES LOCAL FUND

Name of Faculty	Title of Research	Funding Agency or Institution	Role in Research	Research Duration Month and Year
3. DOLLENTE, LAWRENCE ANTHONY U and VILMA M. SANTOS	Empowering Equity Target Students: Enhancing Access and Success in SUCS in Regions I, VII, and XII	CHED	Project Staff III	March 2024 - June 2025

PAPER PRESENTED IN THE LOCALITY

Name of Faculty	Title of Research	Funding Agency or Institution	Role in Research	Forum and Year
1. GESULGA, JOVELYN F	Dokumentasyon ng mga Wika sa Pilipinas (Manobo Dulangan) ON-GOING STATUS	Komisyon ng Wika/ USM	Component Leader	USM Agency In-house Review 2024
2. VILLANUEVA, PAMELA B	Cacao Futures: Production of Cacao Quality Planting Materials (QPM) and Tablea as Health Food for Community Dispersal to Alleviate COVID-19 Effects	USM	Project Staff	USM Agency In-house Review 2022

PAPERS PRESENTED IN NATIONAL FORA

Presenter	Title of Paper	Fora	Date	Location
GUERRERO, SARRAH JANE C	Pambityala Comics: A COLLECTION OF REAL STORIES & LESSONS OF OFW JOURNEYS (PHASE 1)	ADCEP Philippine's 12th National Conference and Scientific Meeting	December 5, 2024	USM (Main), Kabacan, Cotabato

The national funded researches were funded and published by the Department of Agriculture – Bureau of Agricultural Research (DA-BAR). A DevCom faculty research was also presented in Association of Development Communicators and Practitioners (ADCEP) Philippine's 12th National Conference and Scientific Meeting.

RESEARCHES PUBLISHED IN REFEREED NATIONAL JOURNALS				
Author	Title of Article	Name of Refereed Journal	Date of Publication	Number of pages
1.PAL-IWEN, ROVILINE R Contributor	Marketing Dinorado Rice: Guide on Establishing an Upland Rice-Based Agroenterprise	DA-Bureau of Agricultural Research and DA-Philippine Rice Research Institute	March 2021	102
2.TAN, MYRNA R Associate Editor	Coffee and Cacao: Pest, Diseases, and their Control, Phytochemical Analyses, and Effects of Weather Factors	Department of Agriculture - Bureau of Agricultural Research	2020	71
Associate Editor	Pests and Diseases of Indigenous Vegetables and Wild Edible Fungi and Effects of Some Weather Factors	Department of Agriculture - Bureau of Agricultural Research	2019	52

Ten (10) faculty researches were published in international journals from 2023 to 2026.

International researches of DevCom faculty were published in Multidisciplinary Science Journal; Multidisciplinary Reviews; International Journal of Philosophy, Linguistics and Humanities; Psychology and Education: A Multidisciplinary Journal (ISSN:2822-4353, Turkey) Volume 14; and npj Biodiversity.

RESEARCHES PUBLISHED IN REFEREED INTERNATIONAL JOURNALS

Author	Title of Article	Name of Referred Journal	Date of Publication	Number of Pages
DOLLENTE, LAWRENCE ANTHONY U	Fueling Growth: Exploring Personal Growth Initiative among College Students	Multidisciplinary Science Journal	May 19, 2025	
Co-author	Students' Distress Level and Its Relationship in Developing Non-productive Thoughts: The Case of Premier Universities in Mindanao, Philippines	Multidisciplinary Science Journal	May 19, 2025	
Co-author				
Co-author	Empowerment in Action: Exploring Social Self-efficacy among Mindanawon's Adolescents	Multidisciplinary Reviews	April 15, 2025	
Co-author	Parental Engagement in English Language Learning	International Journal of Philosophy, Linguistics and Humanities	February 10, 2025	

RESEARCHES PUBLISHED IN REFEREED INTERNATIONAL JOURNALS

Author	Title of Article	Name of Referred Journal	Date of Publication	Number of Pages
DOLLENTE, LAWRENCE ANTHONY U Sole Author	Reacting, Replying and Responding: Teacher's Stories on Feedbacking in the Classroom Interactions	Psychology and Education: A Multidisciplinary Journal (ISSN:2822-4353, Turkey) Volume 14	October 3, 2023	
GUERRERO, SARRAH JANE C. Co-author	Caught on the Crossfire: Biodiversity Conservation Paradox of Sociopolitical Conflict	npj Biodiversity	April 15, 2024	

RESEARCHES PUBLISHED IN REFEREED INTERNATIONAL JOURNALS

Author	Title of Article	Name of Referred Journal	Date of Publication	Number of Pages
GUERRERO, SARRAH JANE C. Co-author	Reply to Pitogo et. Al: No single silver bullet to simply understand war-bio-diversity conflict in the Philippines	Npj Biodiversity	May 5, 2025	
Vilma Santos, Pamela Villanueva, Jovelyn Gesulga, Roviline Pal-iwen, Sarrah Jane Guerrero, Myrna Tan, Esperanza Jr. Lucena, and Brex Brayan Nicolas	Burdened by Expectations: The (Impact of Parental Pressure on College Students' Academic Stress	Multidisciplinary Reviews	December 21, 2025	

RESEARCHES PUBLISHED IN REFEREED INTERNATIONAL JOURNALS

Author	Title of Article	Name of Referred Journal	Date of Publication	Number of Pages
Pamela Villanueva, Jovelyn Gesulga, Vilma Santos, Roviline Pal-iwen, Sarrah Jane Guerrero, Myrna Tan, Esperanza Jr. Lucena, and Brex Brayan Nicolas	Pursuit and Burnout: How Goal Orientation Influence Academic Pressure in Students	Multidisciplinary Science Journal	January 2, 2026	

RESEARCHES PUBLISHED IN REFEREED INTERNATIONAL JOURNALS

Author	Title of Article	Name of Referred Journal	Date of Publication	Number of Pages
Jovelyn Gesulga, Vilma Santos, Pamela Villanueva, Roviline Pal- iwen, Sarrah Jane Guerrero, Myrna Tan, Esperanza Jr. Lucena, and Brex Brayan Nicolas	Meeting the Mind's Essentials: Basic Psychological Needs and Student Well-being in Higher Education	Multidisciplinary Reviews	June 15, 2026	

DEVCOM FACULTY ONGOING RESEARCHES

Four DevCom faculty have ongoing researches. The funding agency for the local research is USM; for the national research is Commission on Higher Education (CHED); and for the international research is Australian Centre for International Agricultural Research and Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (ACIAR-PCAARRDD).

ONGOING RESEARCH – LOCAL AND NATIONAL

Name of Faculty	Title of Research	Funding Agency or Institution	Role in Research (component/project/ study leader or staff	Research Duration Month and Year
1. GESULGA, JOVELYN F	Dokumentasyon ng mga Wika sa Pilipinas (Manobo Dulangan)	Komisyon ng Wika/USM	Component Leader	June 1, 2024-December 2026
2. GUERRERO, SARRAH JANE	NARRATIVES OF FORMER OFW TURNED COLLEGE STUDENTS: THE CASE OF UNIVERSITY OF SOUTHERN MINDANAO	USM OSA	Study Leader	July –December 2026

ONGOING RESEARCH – INTERNATIONAL

Name of Faculty	Title of Research	Funding Agency or Institution	Role in Research	Research Duration Month and Year
PAL-IWEN, ROVILINE RAPISURA	Program Title Developing soil knowledge, information and capacity to improve the productivity and sustainability of key cropping systems in Philippines Project 4. Assessment of the Existing Knowledge on Soil Health in Different Farming Systems for the Capacity Building Needs and Policy Support in the Philippines	ACIAR and PCAARRD	Project Staff	March 15, 2025 – September 2027

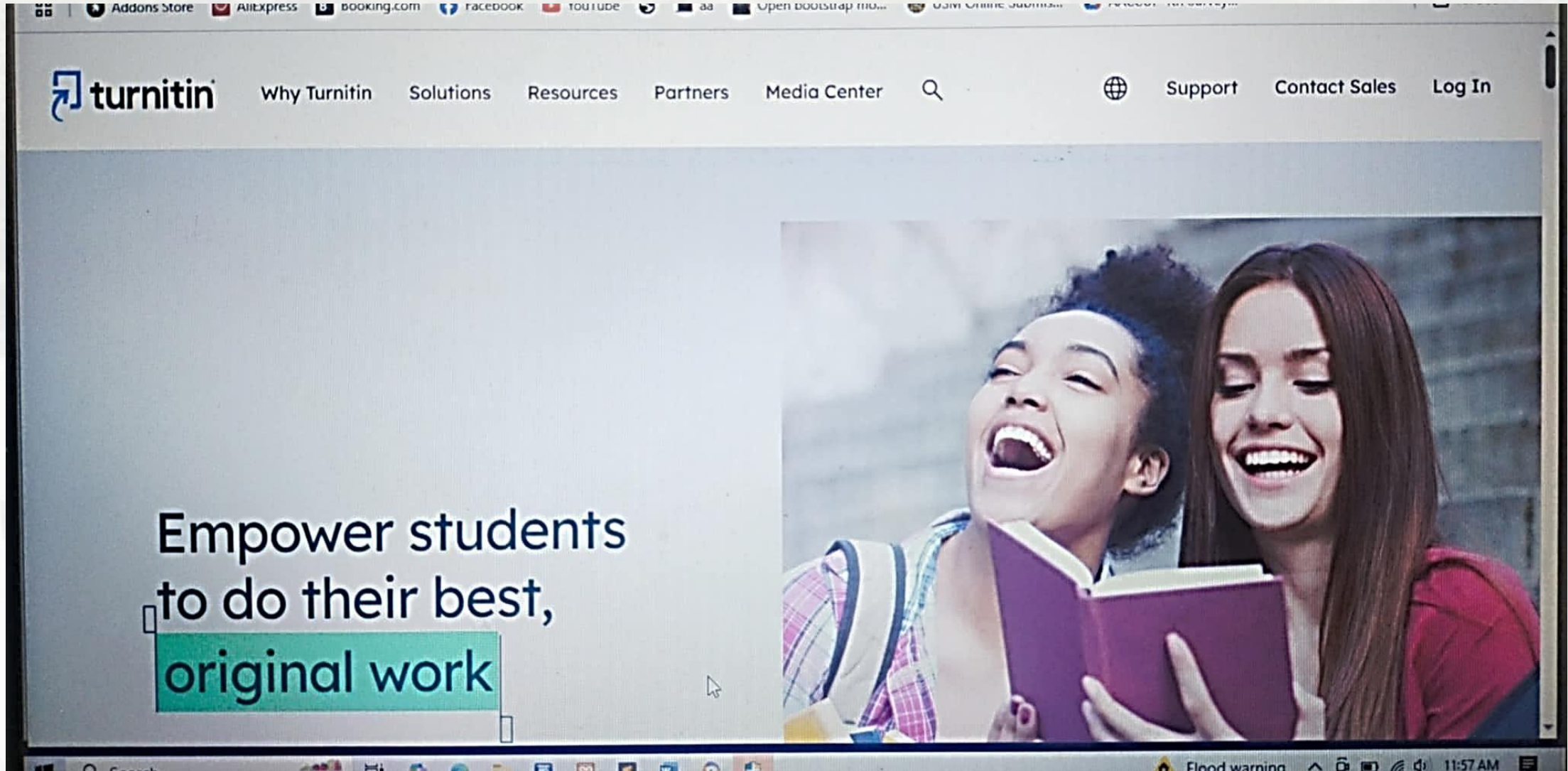
SOFTWARES

The University of Southern Mindanao acquired softwares that could be utilized by the faculty members as well as students. These are Turnitin and RDEIS.

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The University of Southern Mindanao acquired softwares that could be utilized by the faculty members as well as students. These are Turnitin and Research, Development and Extension Information System (RDEIS).

SOFTWARES - Turnitin



SOFTWARES (Turnitin)

The screenshot shows the Turnitin instructor interface. At the top, a navigation bar includes links for 'RAPISURA ROVILINE', 'User Info', 'Messages', 'Instructor', 'English', 'Community', 'Help', and 'Logout'. The Turnitin logo is on the left. Below the logo, there are buttons for 'All Classes' and 'Join Account (TA)'. The main heading is 'NOW VIEWING: HOME'. A section titled 'About this page' explains that this is the instructor homepage and provides instructions on how to create a class or view assignments. Below this, the institution name 'University of Southern Mindanao' is displayed, along with an '+ Add Class' button. A tabbed interface shows 'All Classes', 'Expired Classes', and 'Active Classes'. A note indicates that the class 'TURNITIN DOCS 2025' is set to expire within 30 days. A table lists the class details, including its ID, name, status, start and end dates, and various action icons like edit, copy, and delete.

RAPISURA ROVILINE | User Info | Messages | Instructor ▼ | English ▼ | Community | ? Help | Logout

turnitin

All Classes Join Account (TA)

NOW VIEWING: HOME

About this page

This is your instructor homepage. To create a class, click the "Add Class" button. To display a class's assignments and papers, click the class's name.

University of Southern Mindanao

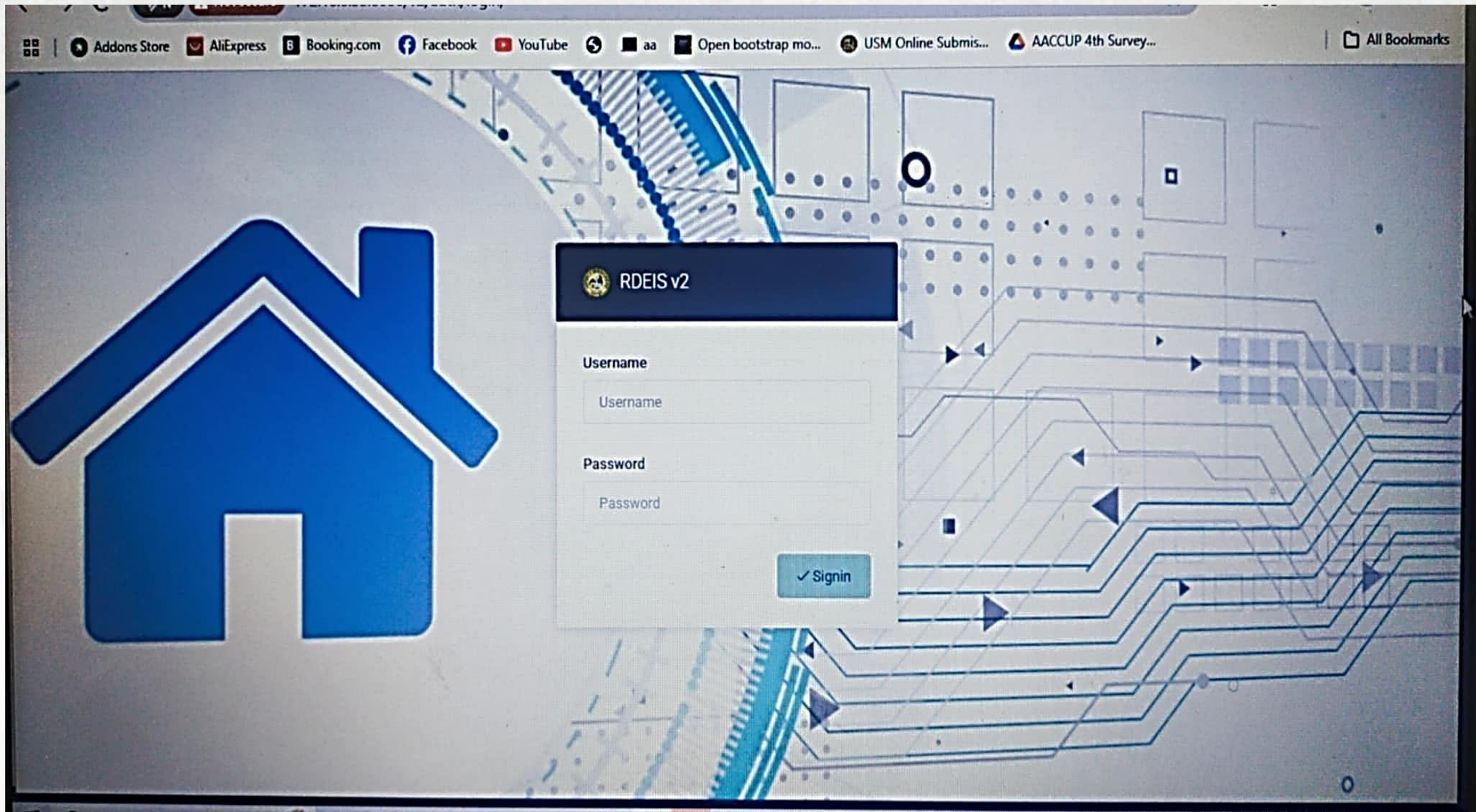
+ Add Class

All Classes Expired Classes Active Classes

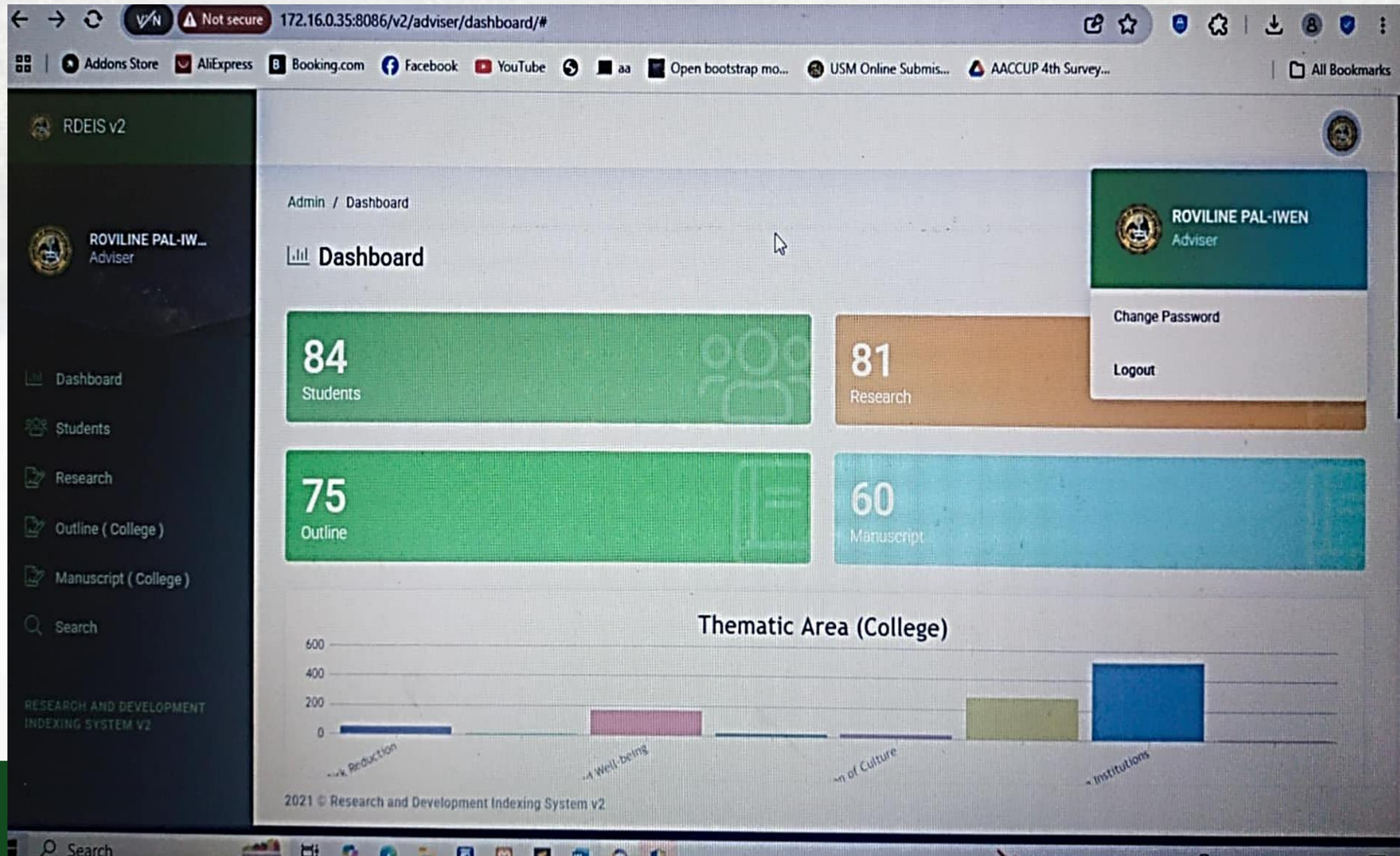
Note: Your class, "TURNITIN DOCS 2025", is set to expire within 30 days. Expired classes become read-only and are automatically moved into your expired classes folder. You can extend the end date of any class by clicking the class's "edit" icon below.

Class ID	Class name	Status	Start Date	End Date	Class Summary	Learning Analytics	Edit	Copy	Delete
42354482	TURNITIN DOCS 2025	Active	21-Jan-2024	30-Jun-2025					

SOFTWARES (RDEIS)



SOFTWARES (RDEIS)



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One (1) student research output is already submitted to the application for Intellectual Property Protection for the Technology/work titled “TEKNOGIYA Episode 1: Background on Cacao.

It is from the undergraduate thesis of Junior M. Cayugan (student researcher) and Prof. Allan C. Facurib (thesis adviser) titled “Production and Pretesting of USM TEKNOGIYA Video Series On Cacao Production Episode 1: Background on Cacao.”

Republic of the Philippines
UNIVERSITY OF SOUTHERN MINDANAO
Kabacan, Cotabato

INTELLECTUAL PROPERTY, TECHNOLOGY TRANSFER, AND BUSINESS
DEVELOPMENT OFFICE
TECHNOLOGY TRANSFER & PATENT UNIT
INNOVATION AND TECHNOLOGY SUPPORT OFFICE

ACKNOWLEDGEMENT

This is to acknowledge the receipt of the documents submitted by Mr. Junior M. Cayugan and Prof. Allan C. Facurib in relation to the Intent to Apply for Intellectual Property Protection for the technology / work entitled “TEKNOGIYA Episode 1: Background on Cacao”.

The submitted documents were received by the Technology Transfer and Patent Unit for initial evaluation and processing.

Please be informed that the official Application Number will be available only after the complete application documents have been formally filed and accepted by the Intellectual Property Office of the Philippines (IPOPHL).

Issued this 11th day of August 2026 at the University of Southern Mindanao, Kabacan, Cotabato.

Received by:

AIRAN D. SARIP
Staff

Noted by:

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Head, IPTTBDQ/TPU