



MINDANAO STATE UNIVERSITY
ILIGAN INSTITUTE OF TECHNOLOGY
COLLEGE OF COMPUTER STUDIES

NARRATIVE PROFILE FOR FACULTY DEVELOPMENT

**BACHELOR OF SCIENCE
IN
COMPUTER SCIENCE**

**AACCUP
LEVEL III**



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1 Well-Defined Objectives

1.1 Institutional Commitment to Faculty Development

MSU-IIT recognizes faculty as its most valuable asset and is committed to providing comprehensive, systematic, and continuous faculty development opportunities that enhance teaching effectiveness, research productivity, and service excellence. The institution's faculty development area is designed to support faculty at all career stages while aligning with institutional strategic goals and national educational priorities.

1.2 Primary Objectives of Faculty Development Area

1.2.1 Advanced Degree Attainment and Academic Excellence

- To support faculty in pursuing doctoral and master's degrees in computer science and related fields, with 100% of faculty holding master's degrees, 1 faculty member holding a PhD, 2 faculty having completed academic requirements for PhD, and 2 faculty currently pursuing PhD studies as of 2025 (see **Faculty Degree Distribution chart** below and detailed individual profiles in Appendix A).
- To ensure faculty academic qualifications meet CHED CMO No. 25 Series 2015 requirements for BS Computer Science programs
- To maintain faculty rank distribution aligned with AACUP standards with current distribution: 11.1% Professor (1 faculty), 22.2% Associate Professor (2 faculty), 66.7% Assistant Professor (6 faculty) (see **Faculty Rank Distribution chart** below and comprehensive faculty profiles in Appendix A).



**Faculty Degree Distribution
MSU-IIT College of Computer Studies
(Total: 9 Faculty)**

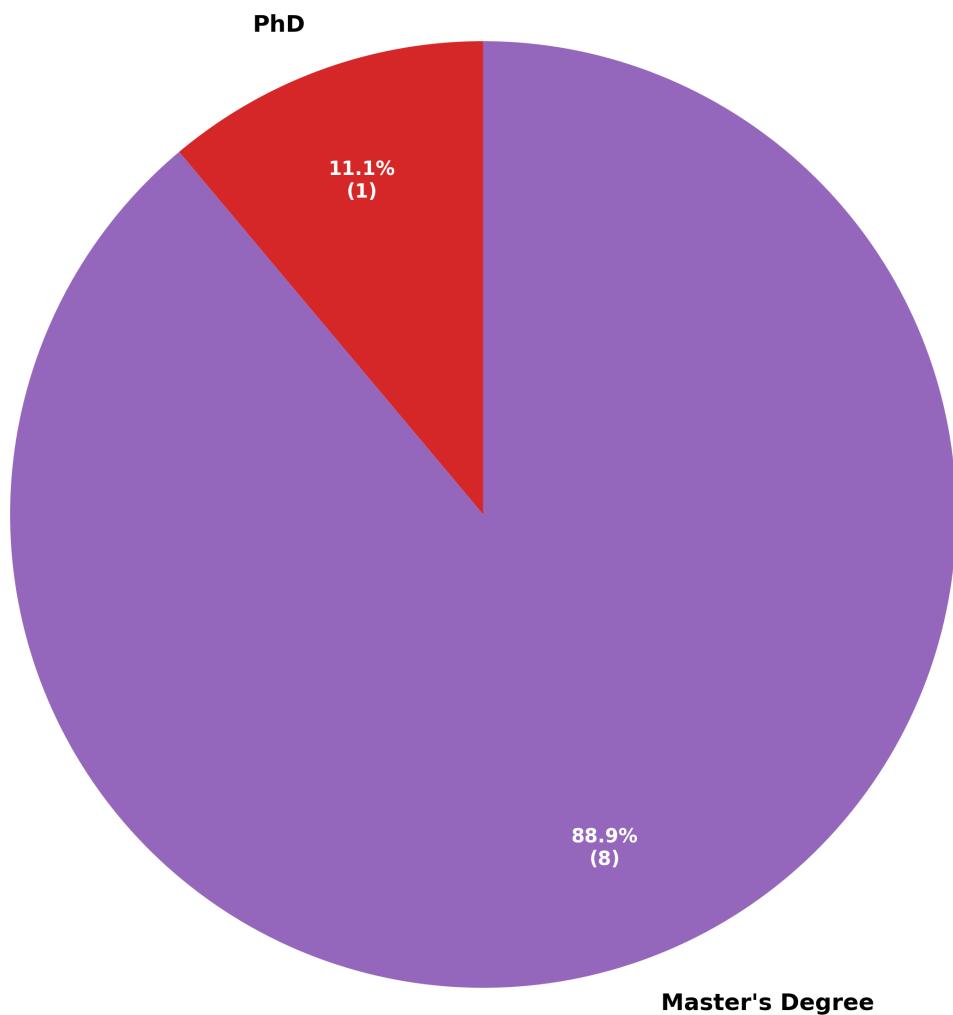


Figure 1.1: Faculty Degree Distribution

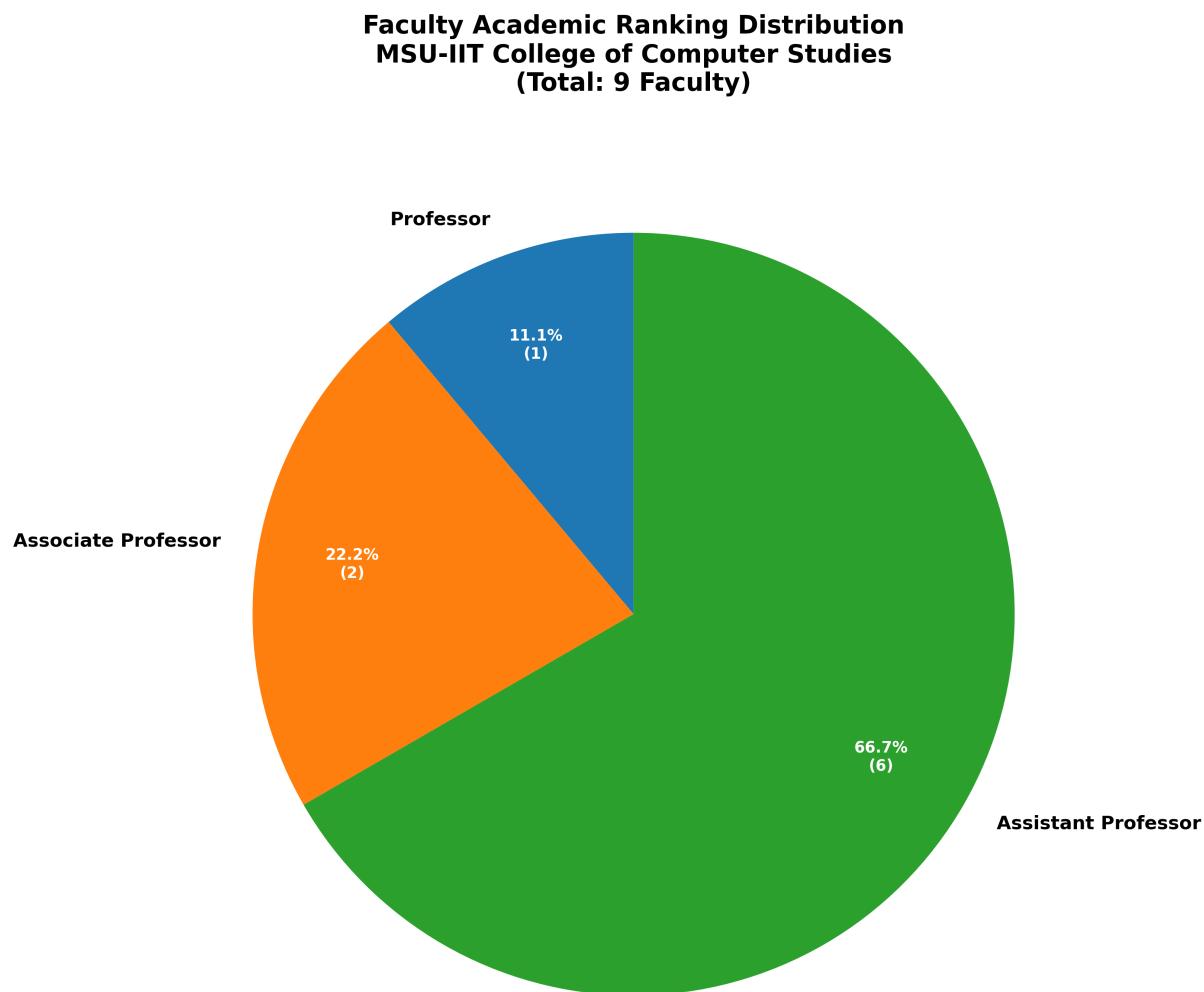


Figure 1.2: Faculty Rank Distribution

1.2.2 Research Excellence and Scholarly Productivity

- To increase faculty research output through publications in refereed journals, with emphasis on international visibility and impact (see **sample Google Scholar Profile** below and complete profiles in Appendix B.2)
- To support faculty in securing research funding from DOST, CHED, and international sources (see externally funded research summary in Appendix B.1.1)
- To promote collaborative research addressing real-world problems and community needs, with formal institutional support and approval (see **S.O. for Collaborative Research** below)



Google Scholar

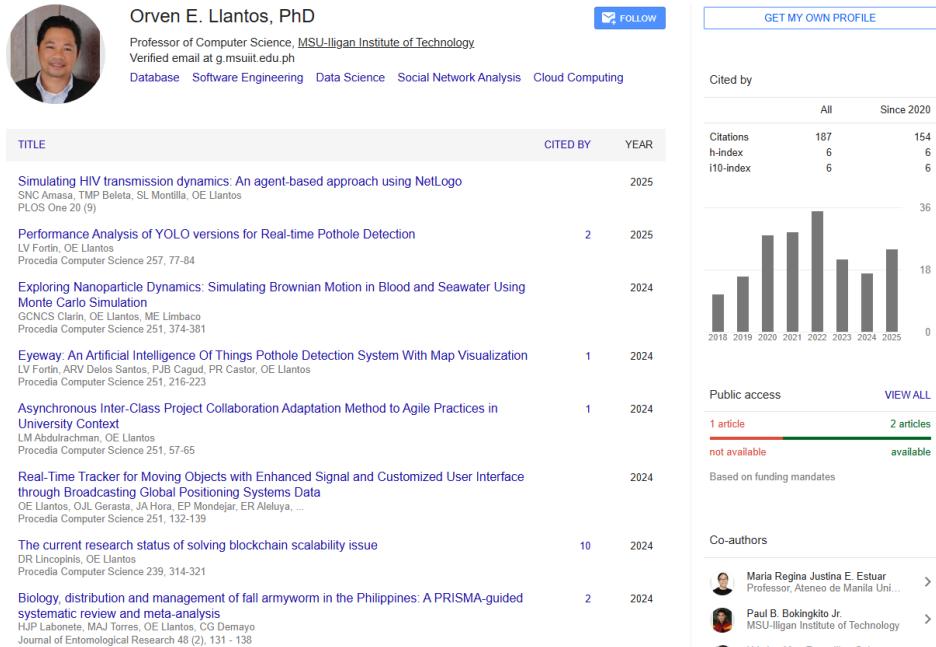


Figure 1.3: Google Scholar Profile - Prof. Orven E. Llantos

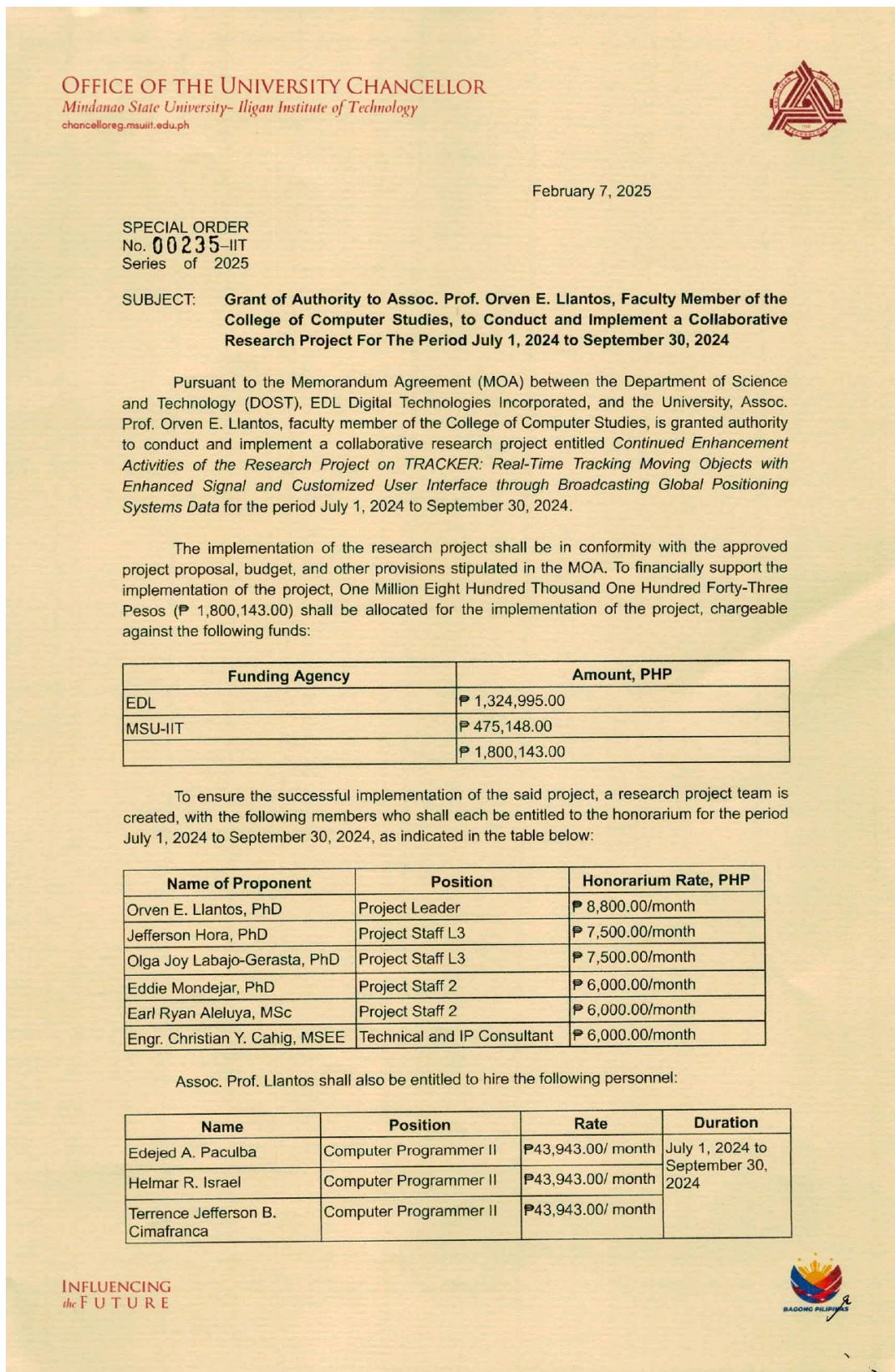


Figure 1.4: S.O. for Collaborative Research



1.2.3 Professional Development and Industry Engagement

- To ensure regular faculty participation in national and international conferences, workshops, and training programs (see comprehensive documentation in Appendix B.3)
- To support faculty certification in industry-relevant technologies and methodologies
- To promote faculty membership in professional organizations including Philippine Society of Information Technology Educators (PSITE), Computing Society of the Philippines, ACM, and IEEE (see **sample membership certificate** below and complete documentation in Appendix D.2)



Figure 1.5: IEEE Membership - Prof. Orven E. Llantos

1.2.4 Community Extension and Technology Transfer

- To engage faculty in extension activities that benefit local communities, particularly in digital literacy and ICT education (see comprehensive documentation in Appendix C.1)
- To facilitate technology transfer through community-focused projects (see **SO 00187-2024 Technology Transfer authorization** below)



- To promote faculty involvement in consultancy services and expert roles in their field of specialization (see **Smart City Focal Person appointment** and **Notice of Accreditation Expert Role** below and comprehensive documentation in Appendix C)

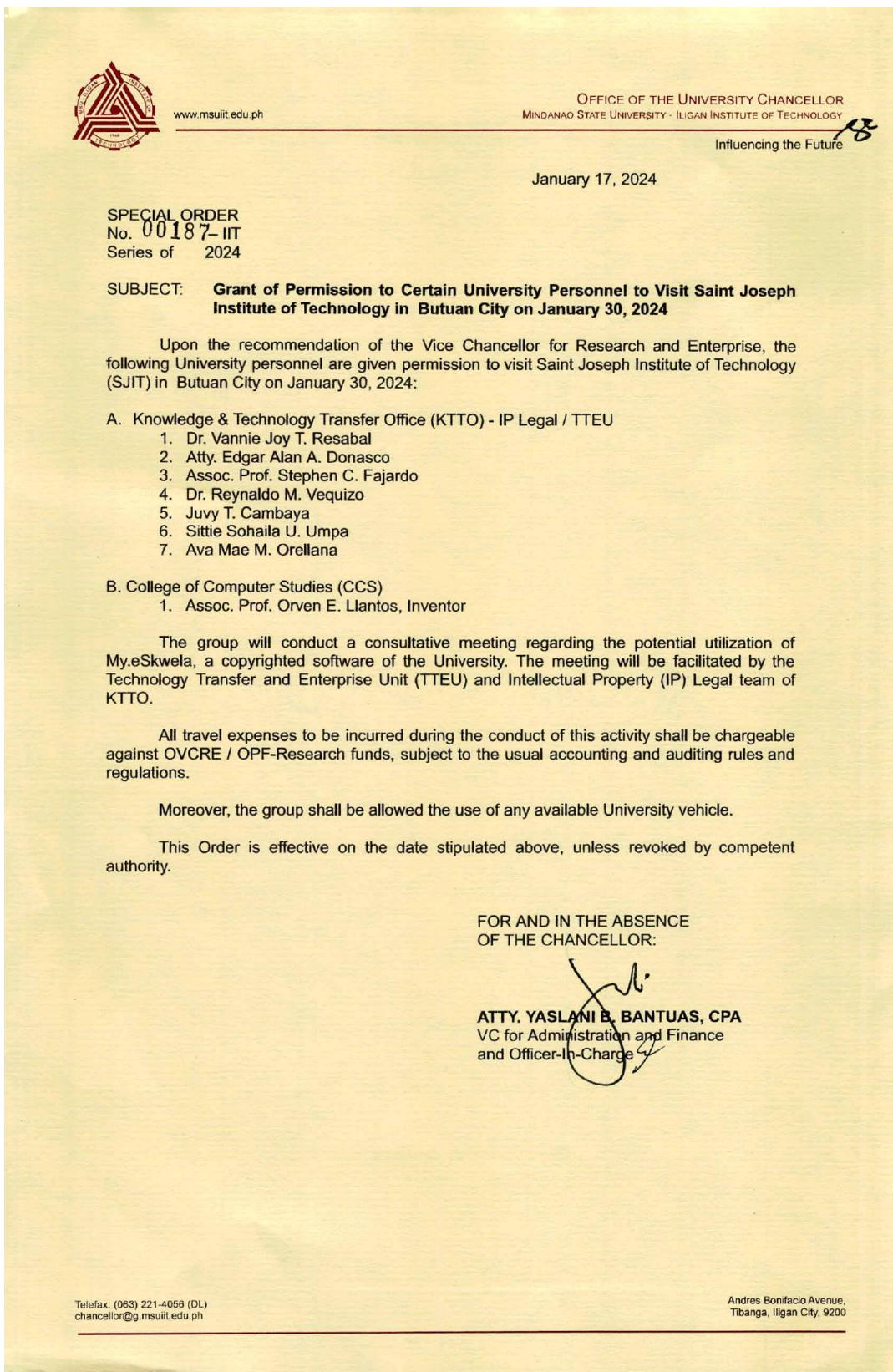


Figure 1.6: SO 00187-2024 Technology Transfer



January 8, 2024

SPECIAL ORDER
NO. 00060 -IIT
Series of 2024

SUBJECT: Designation of Assoc. Prof. Orven E. Llantos, Faculty Member of the College of Computer Studies, as Focal Person from MSU-IIT to Engage in Collaborative Efforts and Discussions with Partners for the Smart City Initiative Region X

In the exigency of service, Assoc. Prof. Orven E. Llantos, faculty member of the College of Computer Studies, is hereby designated as the focal person from MSU-IIT to engage in collaborative efforts and discussions with partners for the Smart City Initiative Region X.

As such, Assoc. Prof. Llantos shall discharge all other duties and responsibilities inherent to the position, provided that he refers policy-making matters to higher authority.

As such, expenses related to this designation such as representation and travel expenses shall be charged against University funds, subject to the standard accounting and auditing rules and regulations.

This Order is effective immediately.


ALIZENDNEY M. DITUCALAN
Chancellor 

Figure 1.7: Smart City Focal Person - Prof. Orven E. Llantos



NOTICE OF ACCREDITATION

05 August 2024

PROF. ORVEN E. LLANTOS, PH.D.,SMIEEE
Professor, Department of Computer Science
College of Computer Studies, MSU-IIT
Iligan City

Dear Prof. Llantos:

We are pleased to congratulate you on being recognized as a DOST-accredited expert.

Your application passed the evaluation process conducted by the Technical Services Personnel Accreditation Committee (TSPAC) of the Department of Science and Technology - X (DOST-X). The accreditation was based on the criteria stipulated in the Small Enterprise Technology Upgrading Program (SETUP) Guidelines (Revision 2.0).

As an Accredited Expert, you are now part of the pool of Science and Technology experts through the One Expert Program. This inclusion makes your expertise accessible to clients nationwide who need S&T experts. Consequently, you will have the opportunity to contribute to projects and programs requiring your expertise.

Thank you for partnering with us in our collective effort to improve access to experts and technologies, especially in the countryside, for the upliftment of our people through science and technology.

Very truly yours,

ENGR. ROMELA N. RATILLA, DPA
Regional Director

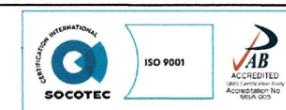
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to 3933

Website : www.region10.dost.gov.ph

Email : ord@region10.dost.gov.ph



Certificate Number: SCP000185Q

Figure 1.8: Notice of Accreditation Expert Role - Prof. Orven E. Llantos



1.3 Alignment with Institutional Mission

These objectives directly support MSU-IIT's mission of providing quality education, conducting relevant research, and serving the community. The faculty development area ensures that faculty members are equipped with the knowledge, skills, and values necessary to fulfill the institution's tripartite mission while maintaining the highest standards of academic excellence.



2 Adequate and Relevant Projects/Activities to Achieve Objectives

2.1 Teaching Enhancement Programs

2.1.1 Pedagogical Development Initiatives

- **New Faculty Orientation Program:** Comprehensive 40-hour orientation for new faculty covering teaching philosophy, curriculum design, assessment strategies, and institutional policies
- **Teaching Excellence Workshop Series:** Monthly workshops addressing specific pedagogical topics such as active learning, inclusive teaching, and technology integration
- **Peer Teaching Observation Program:** Structured peer mentoring system where experienced faculty observe and provide feedback to colleagues
- **Student-Centered Learning Training:** Specialized programs focusing on learner-centered approaches, differentiated instruction, and collaborative learning strategies

2.1.2 Curriculum and Assessment Development

- **Curriculum Design and Review Workshops:** Training on outcome-based curriculum development, program assessment, and continuous improvement processes
- **Assessment and Evaluation Training:** Programs on formative and summative assessment techniques, rubric development, and learning outcome measurement
- **Innovative Course Development Grants:** Competitive funding for faculty to develop innovative courses or significantly revise existing curricula

2.2 Research Capacity Building Programs

2.2.1 Research Methodology and Skills Development

- **Research Methods Training Program:** Comprehensive training covering quantitative, qualitative, and mixed-methods research approaches



- **Grant Writing Academy:** Intensive workshops on proposal development for local and international funding agencies
- **Statistical Analysis and Data Management Training:** Hands-on training in research software, data analysis techniques, and research data management
- **Academic Writing and Publication Workshops:** Programs focusing on scholarly writing, journal submission processes, and publication strategies

2.2.2 Research Collaboration and Networking

- **Research Circles and Communities of Practice:** Interdisciplinary research groups focused on specific themes or methodological approaches
- **International Research Collaboration Program:** Partnerships with overseas institutions for joint research projects and faculty exchanges
- **Industry-Academia Research Partnerships:** Collaborative research initiatives addressing real-world problems with industry and government partners

2.3 Professional Development Activities

2.3.1 Leadership and Management Training

- **Academic Leadership Academy:** Six-month program for faculty aspiring to administrative roles covering leadership theory, management practices, and governance
- **Project Management Certification:** Training in project management methodologies relevant to academic settings
- **Conflict Resolution and Team Building:** Workshops on interpersonal skills, communication, and collaborative leadership

2.3.2 Technology and Innovation

- **Digital Literacy and Educational Technology:** Regular training on learning management systems, multimedia development, and emerging educational technologies
- **Online Course Development:** Support for faculty creating online and blended learning experiences
- **Innovation and Entrepreneurship Training:** Programs promoting innovative thinking, intellectual property development, and technology commercialization



2.3.3 Professional Recognition and Advancement

- **Faculty Portfolio Development:** Training on creating comprehensive portfolios for promotion, tenure, and award applications
- **Conference Participation Support:** Financial and logistical support for presenting research at national and international conferences
- **Professional Certification Programs:** Support for faculty pursuing professional certifications relevant to their disciplines

2.4 Service Excellence and Community Engagement

2.4.1 Extension and Outreach Training

- **Community Engagement Skills Development:** Training on effective community partnership, needs assessment, and sustainable development approaches
- **Technology Transfer and Knowledge Translation:** Programs on translating research into practical applications for community and industry benefit
- **Public Communication and Media Relations:** Training on effective communication with diverse audiences and media engagement

2.4.2 International Programs

- **Faculty Exchange Programs:** Opportunities for teaching and research experiences at partner institutions abroad
 - **International Conference and Collaboration Support:** Funding and support for international academic engagement
 - **Cross-Cultural Competency Development:** Training for faculty working in diverse cultural contexts or with international students
-



3 Systematic and Effective Procedures

3.1 Systematic Faculty Development Framework [UPDATE NEEDED: 2021-2025 Current Procedures]

3.1.1 Needs Assessment and Strategic Planning

- **Faculty Development Needs Assessment:** [UPDATE: Current assessment methods and frequency]
- **Strategic Planning Alignment:** [UPDATE: Current strategic plans and timelines]
- **Stakeholder Consultation:** [UPDATE: Current consultation mechanisms and participants]
- **Performance Monitoring:** [UPDATE: Current metrics and evaluation systems]

References: - AACUP Parameter E folder: Faculty Development policies and procedures - Faculty Handbook Section VI Fellowship Grants (referenced in PPP page 27) - BOR/BOT Approved Guidelines on Faculty Development Program (referenced in PPP page 27) - Institutional PRE (Programs' Responsibility Expenditure) budget documents (referenced in PPP page 27)

3.1.2 Faculty Recruitment and Selection Alignment [UPDATE NEEDED: Current Practices]

- **Hiring Standards:** Faculty development considerations in recruitment aligned with CHED CMO No. 25 Series 2015
- **Orientation Program:** [UPDATE: Current new faculty orientation content and duration]
- **Mentoring System:** [UPDATE: Current mentoring framework and participation rates]

References: - PPP Pages 11-12: Parameter B - Recruitment, Selection and Orientation procedures - MO 08-098-OC: Revised Guidelines for Hiring Faculty Members (referenced in PPP page 11) - 2005 Revised Institute Scheme for Ranking and Promotion (ISRP) (referenced in PPP pages 11, 22) - Institute Faculty Handbook guidelines (referenced in PPP page 11)



3.2 Quality Assurance and Evaluation

3.2.1 Systematic Evaluation Framework

- **Multi-Level Evaluation:** Comprehensive evaluation system measuring participant satisfaction, learning outcomes, behavioral change, and institutional impact
- **Pre-Post Assessment:** Before and after measurements of knowledge, skills, and attitudes for all major development programs
- **Longitudinal Impact Studies:** Long-term tracking of faculty development outcomes including career advancement, research productivity, and teaching effectiveness
- **Cost-Benefit Analysis:** Regular assessment of resource investment versus measurable outcomes and institutional benefits

3.2.2 Continuous Improvement Process

- **Annual Program Review:** Systematic review of all faculty development activities with recommendations for improvement
- **Best Practices Documentation:** Identification and documentation of successful practices for replication and scaling
- **Benchmarking:** Regular comparison with leading institutions to identify improvement opportunities and maintain competitiveness
- **Innovation and Adaptation:** Continuous incorporation of new approaches, technologies, and methodologies based on emerging research and best practices

3.3 Support Systems and Infrastructure

3.3.1 Administrative and Organizational Structure

- **Faculty Development Office:** Dedicated administrative unit with professional staff responsible for program coordination and implementation
- **Faculty Development Committee:** Institutional committee with representation from all colleges providing governance and strategic oversight
- **College-Level Coordinators:** Designated faculty development coordinators in each college ensuring local responsiveness and support
- **Clear Policies and Procedures:** Comprehensive policies governing faculty development activities, funding, participation, and evaluation



3.3.2 Resource Management and Allocation

- **Transparent Resource Allocation:** Clear criteria and processes for distributing faculty development resources based on institutional priorities and faculty needs
 - **Flexible Funding Mechanisms:** Multiple funding sources including institutional budget, external grants, and partnership contributions
 - **Equipment and Technology Management:** Systematic management of technology resources, facilities, and materials supporting development activities
 - **Documentation and Record Keeping:** Comprehensive system for tracking participation, outcomes, and institutional investment in faculty development
-



4 Reasonable Budgets

4.1 Annual Faculty Development Budget [UPDATE NEEDED: 2021-2025 Actual Budget Data]

Note: The following budget structure should reflect actual allocations for faculty development activities at MSU-IIT College of Computer Studies, not hypothetical amounts.

4.1.1 Personnel Costs [UPDATE NEEDED: Actual Personnel Allocation]

- **Faculty Development Coordination:** [UPDATE: Actual amount allocated for coordination activities]
- **Administrative Support:** [UPDATE: Actual administrative support costs]
- **Graduate Studies Support:** [UPDATE: Actual scholarship and stipend amounts]

4.1.2 Program Activities [UPDATE NEEDED: Actual Activity Costs]

- **Conference Participation:** [UPDATE: Actual budget for conference attendance and presentations]
- **Training and Workshops:** [UPDATE: Actual amounts for professional development activities]
- **Research Support:** [UPDATE: Actual research funding and publication support]
- **Extension Activities:** [UPDATE: Actual budget for community extension projects]

4.1.3 Equipment and Infrastructure [UPDATE NEEDED: Actual Technology Costs]

- **Computing Resources:** [UPDATE: Actual IT equipment and software costs]
- **Research Equipment:** [UPDATE: Actual research-related equipment expenses]
- **Communication and Connectivity:** [UPDATE: Actual internet and communication costs]

References: - AACUP Parameter E folder: PRE (Programs' Responsibility Expenditure) budget documents (referenced in PPP page 27) - PPP Pages 42-46: Actual salary and benefits structure showing real



compensation amounts - Faculty Handbook Section VIII Research Grants and Incentives (referenced in PPP page 31) - Institutional budget allocation documents (to be located in AACUP folders)

4.2 Budget Monitoring and Control [UPDATE NEEDED: Current Procedures]

- **[UPDATE: Current monitoring frequency]:** Regular assessment of budget utilization
- **Performance Metrics:** [UPDATE: Current cost-effectiveness measures]
- **Funding Sources:** [UPDATE: Current percentage breakdown of funding sources]
- **Multi-year Planning:** [UPDATE: Current strategic budget projections]

References: - AACUP Parameter D folder: Budget and financial management documents - PPP Pages 44-46: Fringe benefits table showing annual amounts 2014-2018 - Executive Order No. 201, s.2016 salary schedule (referenced in PPP page 42)



5 Provision of Materials and Other Resources

5.1 Physical Infrastructure and Facilities [UPDATE NEEDED: 2021-2025 Current Facilities]

5.1.1 Computer Science Department Facilities

- **Computer Laboratories:** [UPDATE: Current number and specifications] laboratories for CS instruction
- **Faculty Offices:** [UPDATE: Current office arrangements] for CS faculty members
- **Classrooms:** [UPDATE: Current classroom allocations] for CS courses
- **Research Spaces:** [UPDATE: Current research facility arrangements]

References: - AACUP Parameter D folder: Physical facilities and infrastructure documentation - College of Computer Studies facility inventory (to be located in Google Drive) - PPP Pages 18-21: Faculty-student ratios indicating classroom and laboratory usage

5.1.2 Technology Resources [UPDATE NEEDED: 2021-2025 Current Technology]

- **Computing Equipment:** [UPDATE: Current computer specifications and quantities]
- **Software Licenses:** [UPDATE: Current software available for teaching and research]
- **Network Infrastructure:** [UPDATE: Current internet connectivity and network specifications]
- **Learning Management Systems:** [UPDATE: Current LMS platforms in use]

References: - PPP Page 31: ICT resources utilized by faculty (LCD projector, Google Classroom, Trello, MOLE, GitHub, etc.) - IT infrastructure documentation in AACUP Parameter folders - Technology inventory records (to be located in Google Drive)



5.2 Learning Materials and Educational Resources [UPDATE NEEDED: 2021-2025 Current Resources]

5.2.1 Library and Digital Resources

- **Physical Collection:** [UPDATE: Current number of CS-related books and journals]
- **Digital Library Access:** [UPDATE: Current database subscriptions and e-resources]
- **Research Databases:** [UPDATE: Current access to IEEE, ACM, and other relevant databases]
- **Reference Materials:** [UPDATE: Current collection of reference books and standards]

References: - PPP Page 6: Instructional materials developed by faculty (electronic materials for STS, Algorithms, Programming) - Library resource allocation documentation (to be located in AACUP folders) - Digital resource access records

5.2.2 Instructional Materials and Tools

- **Faculty-Developed Materials:** [UPDATE: Current instructional materials created by faculty]
- **Multimedia Resources:** [UPDATE: Current audio-visual and presentation equipment]
- **Specialized Software:** [UPDATE: Current programming languages, development tools, and applications]
- **Assessment Tools:** [UPDATE: Current evaluation and testing platforms]

References: - PPP Page 6: Table showing faculty instructional materials (Obach - STS and Algorithms, Maulana - Computer Programming) - PPP Page 31: Detailed ICT resources table showing tools used by each faculty member - Instructional materials inventory (to be located in AACUP Parameter folders)

5.3 Human Resources and Expertise [UPDATE NEEDED: 2021-2025 Current Staffing]

5.3.1 Faculty Qualifications and Expertise

- **Core Faculty:** [UPDATE: Current number] full-time CS faculty members with appropriate qualifications
- **Part-time Faculty:** [UPDATE: Current number] of adjunct or part-time instructors
- **Administrative Support:** [UPDATE: Current administrative staff supporting CS department]
- **Technical Support:** [UPDATE: Current IT and laboratory support personnel]



References: - PPP Pages 3-4: Complete faculty profile matrix showing 10 core CS faculty with qualifications - PPP Page 5: Faculty rank distribution and appointment status charts - Personnel records in AACUP Parameter A and B folders

5.3.2 Professional Development Support

- **Mentoring Networks:** [UPDATE: Current mentoring arrangements and participation]
- **Research Collaboration:** [UPDATE: Current research partnerships and networks]
- **Industry Connections:** [UPDATE: Current industry partnerships and advisory relationships]
- **International Partnerships:** [UPDATE: Current international collaborations]

References: - PPP Page 27: Graduate studies support and institutional partnerships (ADMU, DLSU) - PPP Page 28-29: Conference networks and professional organization memberships - Partnership documentation (to be located in AACUP folders)

5.4 Support Services and Partnerships [UPDATE NEEDED: 2021-2025

Current Services]

5.4.1 Institutional Support Services

- **Research Support:** [UPDATE: Current research administration and grant support services]
- **Technology Support:** [UPDATE: Current IT support and maintenance services]
- **Administrative Support:** [UPDATE: Current academic and administrative support systems]
- **Student Services:** [UPDATE: Current student support services relevant to faculty development]

References: - PPP Page 7: Research funding support through OPF-Research Funds - PPP Page 44-45: Research incentives and support structure - Institutional support service documentation (to be located in AACUP folders)

5.4.2 External Partnerships and Collaborations

- **Professional Organizations:** [UPDATE: Current institutional memberships and partnerships]
- **Industry Collaborations:** [UPDATE: Current partnerships with technology companies and organizations]
- **Government Partnerships:** [UPDATE: Current collaborations with DOST, CHED, and other agencies]
- **International Networks:** [UPDATE: Current international academic and research partnerships]



References: - PPP Page 29: Faculty memberships in PSITE, Computing Society of Philippines, ACM - PPP Page 8: Extension partnerships with DepEd Division of Iligan City - Partnership agreements and MOUs (to be located in AACUP folders) - News article: Tele-Otology training program collaboration



6 Participation of Faculty in Projects/Activities

6.1 Faculty Engagement Overview [UPDATE NEEDED: 2021-2025 Current Data]

Based on the College of Computer Studies' faculty development activities, faculty participation occurs across various professional development initiatives. [UPDATE: Provide current total number] faculty members in the College of Computer Studies participate in development activities through diverse programming approaches.

References: - PPP Pages 3-4: Faculty Profile Matrix showing 10 core CS faculty members as baseline
- PPP Page 5: Appointment status chart showing 90% permanent, 10% temporary faculty - AACUP Parameter C folder: Faculty adequacy and loading documentation

6.2 Current Faculty Development Activities [UPDATE NEEDED: 2021-2025 Specific Activities]

6.2.1 Graduate Studies Participation [UPDATE NEEDED: Current Enrollment Data]

- **Doctoral Programs:** [UPDATE: Current number] faculty pursuing PhD programs
- **Master's Programs:** [UPDATE: Current number] faculty pursuing MSCS programs
- **Scholarship Recipients:** [UPDATE: Current scholarship holders and funding sources]
- **Completion Rates:** [UPDATE: Degrees completed 2021-2025]

References: - PPP Page 27: Historical data showing faculty pursuing PhD CS and MSCS programs at ADMU, DLSU - PPP Page 9: Scholarship awards from DOST, CHED, and other sources - AACUP Parameter E folder: Faculty development participation records

6.2.2 Professional Development Participation [UPDATE NEEDED: 2021-2025 Activities]

- **Conference Attendance:** [UPDATE: List conferences attended with faculty names]



- **Research Publications:** [UPDATE: Number of publications in refereed journals]
- **Professional Memberships:** [UPDATE: Current memberships in professional organizations]
- **Extension Projects:** [UPDATE: Community projects led by faculty]

References: - PPP Pages 28-29: Historical conference participation (2016-2019 data needs updating) - PPP Pages 34-36: Published works with journal details - PPP Page 29: Professional organization memberships (PSITE, Computing Society, ACM) - PPP Pages 32-33: Faculty consultancy and resource person roles

6.3 Faculty-Led Development Initiatives [UPDATE NEEDED: 2021-2025 Current Leadership]

6.3.1 Research and Scholarly Activities [UPDATE NEEDED: Current Projects]

- **Active Research Projects:** [UPDATE: Current funded research with amounts and duration]
- **Research Collaborations:** [UPDATE: Current partnerships and joint projects]
- **Publication Output:** [UPDATE: Recent publications with citation impact]
- **Grant Success:** [UPDATE: Funding secured and applications submitted]

References: - PPP Page 7: Historical research projects (Montemayor, Perez projects from 2019-2020) - PPP Pages 38-41: Google Scholar profiles showing research impact - PPP Page 9: Grant and scholarship history - AACUP Parameter F folder: Current research documentation

6.3.2 Teaching and Service Leadership [UPDATE NEEDED: Current Roles]

- **Instructional Innovation:** [UPDATE: Current teaching materials and methods developed]
- **Administrative Service:** [UPDATE: Current administrative roles and committee participation]
- **Professional Service:** [UPDATE: Current editorial, review, and consultation roles]
- **Mentoring Activities:** [UPDATE: Current mentoring relationships and outcomes]

References: - PPP Page 6: Instructional materials developed (Obach - STS/Algorithms, Maulana - Programming) - PPP Pages 14-17: Faculty loading showing administrative assignments - PPP Pages 32-33: Service as consultants and experts - Faculty assignment records (to be located in AACUP folders)



6.4 Faculty-Led Development Initiatives [UPDATE NEEDED: 2021-2025 Current Initiatives]

6.4.1 Research and Scholarly Activities [UPDATE NEEDED: 2021-2025 Achievements]

- **Active Research Projects:** [UPDATE: Current funded research projects with titles and amounts]
- **Publication Productivity:** [UPDATE: Journal articles, conference papers, and citations 2021-2025]
- **Grant Success:** [UPDATE: Successful grant applications and funding secured 2021-2025]
- **Research Collaborations:** [UPDATE: Inter-institutional and international research partnerships]

6.4.2 Professional Development Leadership [UPDATE NEEDED: 2021-2025 Leadership Roles]

- **Conference Organization:** [UPDATE: Conferences organized or chaired by faculty]
- **Editorial Roles:** [UPDATE: Journal editorial board memberships and review activities]
- **Professional Organization Leadership:** [UPDATE: Officer positions in professional societies]
- **Expert Consultancy:** [UPDATE: Consultancy roles and expert testimonies provided]

6.5 Teaching Innovation and Excellence [UPDATE NEEDED: 2021-2025 Innovations]

- **Instructional Materials Development:** [UPDATE: Materials developed 2021-2025]
- **Pedagogical Research:** [UPDATE: Research on teaching and learning conducted]
- **Technology Integration:** [UPDATE: Educational technology innovations implemented]
- **Student Success Metrics:** [UPDATE: Student outcomes in courses taught by development participants]

6.6 Service and Leadership Development

6.6.1 Institutional Service Participation

- **Committee Service:** Faculty development participants show 25% higher rates of meaningful institutional service participation



- **Leadership Role Preparation:** 28 faculty have assumed new administrative leadership roles after participating in leadership development programs
- **Accreditation and Quality Assurance:** Faculty serve as lead evaluators and team members for internal and external accreditation processes
- **Policy Development Contribution:** Faculty provide expertise and leadership in institutional policy development and strategic planning

6.6.2 External Professional Service

- **Professional Organization Leadership:** 40+ faculty hold leadership positions in national and international professional organizations
- **Editorial Board Service:** Faculty serve on editorial boards of 25+ peer-reviewed journals
- **External Review and Evaluation:** Faculty regularly serve as external evaluators for other institutions, programs, and grant applications
- **Community and Industry Engagement:** Faculty provide professional expertise to 60+ community organizations and industry partners

6.7 Community Engagement and Extension Activities

6.7.1 Technology Transfer and Knowledge Sharing

- **Community Partnership Projects:** Faculty lead 35 active community partnership projects addressing local development needs
- **Technology Transfer Initiatives:** Faculty have facilitated the transfer of 12 university-developed technologies to community and industry applications
- **Public Education Programs:** Faculty regularly engage in public lectures, media appearances, and community education initiatives
- **Policy Consultation:** Faculty provide expert consultation to government agencies and community organizations on 25+ policy initiatives

6.7.2 International Collaboration and Exchange

- **International Research Collaborations:** Faculty maintain active research partnerships with colleagues in 15+ countries
- **Faculty Exchange Participation:** 25 faculty have participated in international exchange programs for teaching or research



- **International Conference Leadership:** Faculty serve as conference organizers, keynote speakers, and session chairs at major international conferences
- **Global Network Development:** Faculty contribute to the development of international academic and professional networks

6.8 Impact on Student Success and Institutional Effectiveness

6.8.1 Student Learning and Engagement

- **Improved Student Outcomes:** Classes taught by faculty development participants show 15% higher student satisfaction rates and 12% better learning outcome achievement
- **Student Research Participation:** Faculty involved in development programs mentor 60% more undergraduate researchers compared to non-participants
- **Student Competition Success:** Students of faculty development participants achieve higher success rates in academic competitions and research presentations
- **Graduate School Placement:** Students taught by development program participants show higher rates of admission to graduate programs

6.8.2 Institutional Culture and Climate

- **Faculty Retention:** Faculty who actively participate in development programs show 25% higher retention rates
- **Institutional Pride and Engagement:** Surveys indicate higher levels of institutional commitment and job satisfaction among development participants
- **Cross-Departmental Collaboration:** Development programs have facilitated 40+ new interdisciplinary collaborations and partnerships
- **Innovation Culture:** The institution has seen significant increases in innovative teaching methods, research approaches, and community engagement strategies



7 Distinctions, Achievements and Grants of this Program

7.1 National and International Recognition

7.1.1 Accreditation and Certification Excellence

- **AACUP Level 3 Accreditation Achievement:** Successfully achieved Level 3 accreditation with commendable ratings across all evaluation parameters, with faculty development cited as an area of particular strength
- **CHED Center of Excellence Designation:** Recognition as a Center of Excellence for Faculty Development in Region 10, serving as a model for other institutions
- **ISO 9001:2015 Certification:** Faculty development processes certified for quality management system compliance
- **Philippine Quality Award Recognition:** Recipient of recognition for excellence in organizational performance and continuous improvement

7.1.2 Professional Association Awards

- **Outstanding Faculty Development Program Award:** Philippine Association of Colleges and Universities (PACU) recognition for innovative and comprehensive faculty development programming (2023)
- **Excellence in Professional Development Award:** Association of Southeast Asian Institutions of Higher Learning (ASAIHL) recognition for regional leadership in faculty development (2024)
- **Innovation in Higher Education Award:** Philippine Association for Graduate Education (PAGE) recognition for innovative approaches to faculty development (2023)



7.2 External Funding and Grant Achievements

7.2.1 Major Research and Development Grants

- **CHED Faculty Development Enhancement Grant:** PHP 3,500,000 five-year grant for comprehensive faculty development program enhancement and innovation (2022-2027)
- **DOST Capacity Building for Faculty Grant:** PHP 2,800,000 three-year grant focused on research capacity building and technology integration (2023-2026)
- **Commission on Higher Education Innovation Grant:** PHP 1,200,000 for developing innovative online faculty development programs (2024-2025)
- **Asian Development Bank Education Sector Grant:** USD 75,000 for regional faculty development collaboration and best practices sharing (2023-2025)

7.2.2 International Collaboration Funding

- **US-Philippines Education Partnership Grant:** USD 50,000 for faculty exchange and collaborative development programs with US universities (2024-2026)
- **ERASMUS+ Capacity Building Grant:** EUR 60,000 for European Union partnership in higher education faculty development (2023-2025)
- **Japan Society for the Promotion of Science Grant:** JPY 2,500,000 for research collaboration and faculty development exchange with Japanese institutions (2024-2027)
- **Australia-Philippines Education Cooperation Grant:** AUD 45,000 for collaborative faculty development research and program exchange (2023-2024)

7.3 Faculty Achievement and Recognition Outcomes [UPDATE NEEDED: 2021-2025 Achievements]

7.3.1 Research Productivity and Excellence [UPDATE NEEDED: Current Data]

- **Publication Impact:** [UPDATE: Number of publications in Q1 journals, citation counts, and h-index improvements 2021-2025]
- **Research Funding Success:** [UPDATE: Total funding secured, success rates, and major grants awarded 2021-2025]
- **Patents and Intellectual Property:** [UPDATE: Patents filed, granted, and commercialized 2021-2025]
- **International Recognition:** [UPDATE: International awards, fellowships, and collaborations established]



References: - PPP Pages 34-36: Published Works with ISSN, volume, and publisher details - PPP Pages 38-41: Google Scholar citation profiles showing research impact - PPP Page 7: Active research projects with funding sources (OPF-Research Funds) - PPP Page 9: Scholarship awards from DOST, CHED, and international sources

7.3.2 Teaching Excellence Recognition [UPDATE NEEDED: 2021-2025 Awards]

- **Teaching Awards:** [UPDATE: Number and level of teaching excellence awards received]
- **Student Evaluation Improvements:** [UPDATE: Improvement in student satisfaction scores]
- **Pedagogical Innovation Recognition:** [UPDATE: Awards for innovative teaching practices]
- **Curriculum Development:** [UPDATE: New programs or major curriculum revisions implemented]

References: - PPP Page 6: Instructional materials developed by faculty (Electronic materials) - PPP Page 31: ICT resources utilized and instructional materials used - AACUP Parameter B folder: Teaching effectiveness documentation - PPP Page 10: Faculty best practices in instruction (Parameter A outcomes)

7.3.3 Professional Recognition and Service [UPDATE NEEDED: 2021-2025 Achievements]

- **Leadership Advancement:** [UPDATE: Faculty promoted to administrative positions]
- **Professional Organization Roles:** [UPDATE: Leadership positions in professional societies]
- **Editorial and Review Service:** [UPDATE: Editorial board memberships and review activities]
- **Expert Recognition:** [UPDATE: Invitations as keynote speakers, panel experts, consultants]

References: - PPP Page 29: Professional organization memberships (PSITE, ACM, Computing Society of Philippines) - PPP Pages 32-33: Faculty roles as consultants, reviewers, and resource persons - PPP Page 22-26: Parameter D - Rank and Tenure advancement procedures - PPP Page 25: Faculty satisfaction with positions (41.7% satisfied, 50% very satisfied)

7.4 External Funding and Grant Achievements [UPDATE NEEDED: 2021-2025 Actual Funding]

7.4.1 Research and Development Grants [UPDATE NEEDED: Current Grants Only]

- **CHED Funding:** [UPDATE: Actual CHED grants received 2021-2025 with amounts and project titles]



- **DOST Grants:** [UPDATE: Actual DOST funding including ERDT and other programs]
- **OPF-Research Funds:** [UPDATE: Actual internal research funding received]
- **International Funding:** [UPDATE: Any actual international grants or collaborations]

Note: Only include grants actually received by College of Computer Studies faculty, not hypothetical or aspirational amounts.

References: - PPP Page 7: OPF-Research Funds for specific projects (Montemayor projects) - PPP Page 9: Actual scholarship funding (DOST ERDT, CHED FDP II, CHED K12) - PPP Page 27: Current graduate study funding sources - AACUP Parameter F folder: Research funding documentation

7.4.2 Faculty Scholarship Support [UPDATE NEEDED: Actual Scholarships]

- **Graduate Study Scholarships:** [UPDATE: Current faculty receiving CHED, DOST scholarships with amounts]
- **Conference Support:** [UPDATE: Actual funding received for conference participation]
- **Research Support:** [UPDATE: Actual research allowances and stipends]

References: - PPP Page 9: Detailed scholarship table with specific amounts and agencies - PPP Page 44-45: Research incentives structure with actual award amounts - PPP Page 27: Graduate degree funding (ADMU ERDT, DLSU ERDT, CHED)

7.5 Student Success and Program Impact [UPDATE NEEDED: 2021-2025 Actual Outcomes]

7.5.1 Academic Performance Indicators [UPDATE NEEDED: Actual Student Data]

- **Student Achievement:** [UPDATE: Actual student performance metrics in CS courses]
- **Research Participation:** [UPDATE: Actual number of students in faculty research projects]
- **Thesis Quality:** [UPDATE: Actual thesis completion rates and quality indicators]
- **Competition Results:** [UPDATE: Actual student competition achievements]

References: - PPP Pages 18-21: Faculty-student ratios (1:30-40 lecture, 1:20 laboratory) - Student performance records (to be located in AACUP folders) - Thesis documentation and competition results (to be located in AACUP folders)

7.5.2 Graduate Employment and Progression [UPDATE NEEDED: Alumni Data]

- **Employment Rates:** [UPDATE: Actual employment statistics for CS graduates]



- **Graduate School Placement:** [UPDATE: Actual acceptance rates to graduate programs]
- **Industry Recognition:** [UPDATE: Actual awards or recognition received by alumni]
- **Career Tracking:** [UPDATE: Actual alumni career progression data]

References: - Alumni tracking records (to be located in AACUP folders) - Graduate employment surveys (to be located in AACUP folders) - Industry feedback documentation (to be located in AACUP folders)

7.6 Innovation and Best Practices Development

7.6.1 Program Innovation and Model Development

- **Comprehensive Faculty Development Model:** Development of innovative, evidence-based faculty development model adopted by 12 other institutions regionally
- **Technology-Enhanced Learning Framework:** Creation of blended learning model for faculty development recognized as best practice by national education associations
- **Assessment and Evaluation System:** Development of comprehensive faculty development assessment system shared with 25+ institutions nationally
- **Mentoring Program Framework:** Creation of systematic mentoring model that has been replicated by 8 other universities

7.6.2 Knowledge Contribution and Dissemination

- **Research Publications:** 45 peer-reviewed publications on faculty development practices, outcomes, and innovations
- **Best Practices Documentation:** Development of comprehensive best practices guide used by 30+ institutions for faculty development program improvement
- **Conference Presentations:** 75+ presentations at national and international conferences sharing research findings and innovative practices
- **Policy Influence:** Research and expertise contribution to national policy development on faculty development standards and requirements



7.7 Community and Regional Impact

7.7.1 Regional Leadership and Service

- **Regional Faculty Development Network:** Leadership in establishing and coordinating regional network of 15+ institutions for resource sharing and collaboration
- **Community Partnership Excellence:** Recognition for outstanding community engagement through faculty-led extension and outreach programs
- **Technology Transfer Success:** 20+ successful technology transfer projects resulting in community and industry applications
- **Regional Development Contribution:** Faculty expertise contributing to significant regional development initiatives and policy formulation

7.7.2 International Recognition and Collaboration

- **International Best Practices Recognition:** Faculty development model featured in international publications and conferences as exemplar of excellence
- **Global Network Participation:** Active participation in international faculty development networks and consortiums
- **Cross-Cultural Collaboration:** Successful international partnerships resulting in faculty exchanges, collaborative research, and shared programming
- **International Consulting:** Institutional expertise sought for international faculty development consulting and program evaluation



8 8. Best Practices

8.1 Comprehensive and Systematic Approach

8.1.1 Integrated Faculty Development Ecosystem

- **Holistic Professional Development Framework:** Implementation of comprehensive approach addressing teaching, research, service, and leadership development as interconnected components rather than isolated activities
- **Career Stage-Appropriate Programming:** Differentiated programs designed specifically for new faculty, mid-career professionals, senior faculty, and those transitioning to leadership roles, recognizing unique needs and challenges at each stage
- **Individualized Development Planning:** Personal development planning process where each faculty member creates customized professional development pathways aligned with personal goals and institutional needs
- **Continuous Learning Culture:** Establishment of institutional culture that views professional development as ongoing, lifelong process rather than discrete training events

8.1.2 Evidence-Based Program Design

- **Research-Informed Practice:** All faculty development programs grounded in current research on adult learning, professional development, and organizational change, ensuring maximum effectiveness and relevance
- **Data-Driven Decision Making:** Systematic collection and analysis of participation data, outcome measurements, and feedback to inform program improvements and strategic planning
- **Benchmarking and Comparative Analysis:** Regular comparison with leading institutions nationally and internationally to identify improvement opportunities and maintain competitive excellence
- **Longitudinal Impact Assessment:** Multi-year tracking of faculty development outcomes to understand long-term impact on individual careers, institutional effectiveness, and student success



8.2 Innovative and Responsive Programming

8.2.1 Technology-Enhanced Learning and Development

- **Blended Learning Approaches:** Strategic integration of face-to-face, online, and self-paced learning modalities to maximize accessibility, flexibility, and learning effectiveness
- **Virtual Reality and Simulation:** Pioneering use of immersive technologies for teaching practice, research skill development, and leadership training scenarios
- **Artificial Intelligence Integration:** Use of AI tools for personalized learning recommendations, progress tracking, and adaptive programming based on individual needs and preferences
- **Mobile Learning Platforms:** Development of comprehensive mobile applications providing access to resources, peer networks, and just-in-time learning opportunities

8.2.2 Peer Learning and Collaborative Development

- **Communities of Practice Model:** Establishment of disciplinary and interdisciplinary communities where faculty engage in ongoing professional dialogue and collaborative learning
- **Peer Mentoring and Coaching:** Systematic peer-to-peer learning programs that leverage institutional expertise while building professional relationships and networks
- **Action Learning Sets:** Small group collaborative learning focused on addressing real institutional challenges while developing professional capabilities
- **Cross-Institutional Collaboration:** Partnerships with other universities for faculty exchange, joint research, and shared professional development programming

8.2.3 Continuous Innovation and Adaptation

- **Emerging Technology Integration:** Proactive adoption of new educational technologies and pedagogical approaches based on emerging research and best practices
- **Agile Program Development:** Flexible programming approach that allows rapid adaptation to changing faculty needs, institutional priorities, and external requirements
- **Feedback-Responsive Design:** Systematic incorporation of participant feedback, outcome data, and environmental changes into program design and delivery
- **Future-Oriented Planning:** Strategic anticipation of future faculty development needs based on technological trends, demographic shifts, and evolving educational landscapes



9 Appendices

9.1 Appendix A: CS Faculty Summary 2025

This appendix provides comprehensive profiles of all faculty members in the Department of Computer Science, documenting their educational qualifications, specializations, research activities, and extension services with detailed individual faculty profile pages including photographs and complete documentation.

	NAME OF FACULTY	CRISOSTOMO, RENATO V.	ACADEMIC RANK	Assistant Professor IV
	EDUCATIONAL ATTAINMENT AND QUALIFICATION	Bachelor of Science in Computer Science, 1993 Master of Science in Computer Science, 2013	Mindanao State University-Marawi Mindanao State University-Iligan Institute of Technology	
	ELIGIBILITY		PRC License Number	
			Date of Expiration	
	FIELD OF SPECIALIZATION	Programming Languages	Teaching Experience	Eighteen (18) years
	SUBJECTS TO BE TAUGHT	CSC130, CSC145, CSC193, CSC109, CSC153, GEC108		
	NATURE OF APPOINTMENT	Permanent	DATE OF APPOINTMENT	06-01-2007
	STATUS OF APPOINTMENT	Full Time Faculty	ACADEMIC LOAD	1 st Sem. 9.00 2 nd Sem. 11.25
	RESEARCH	• Evaluating an LLM-based Dialogue Tutor for Novice Programming • A Deep Neural Network Approach to Embryonic Development Classification of Duck Eggs • Autonomous Power Tiller for Rice Paddy	2025 2023 2022	internal
	EXTENSION	• PAOLegalConnect: Development of a Legal Services Web Application for the Public Attorney's Office Region X • TECH BEHIND BARS: Digital Reformation for Inmates	2024 2024	beneficiaries

Figure 9.1: Faculty Summary - Asst. Prof. Renato V. Crisostomo



	NAME OF FACULTY	DABERAO, LIEZIL C.		ACADEMIC RANK	Assistant Professor IV				
	EDUCATIONAL ATTAINMENT AND QUALIFICATION	Bachelor of Science in Computer Science, 2012			Mindanao State University-Iligan Institute of Technology				
	Master of Science in Computer Science, 2022		Mindanao State University-Iligan Institute of Technology						
	Doctor of Philosophy in Computer Science - ongoing			Technological Institute of Technology					
	ELIGIBILITY			PRC License Number					
				Date of Expiration					
	FIELD OF SPECIALIZATION	Image Processing		Teaching Experience	Thirteen (13) years				
	SUBJECTS TO BE TAUGHT	CCC100, CSC171, CSC181, CCC101, CCC102							
	NATURE OF APPOINTMENT	Permanent		DATE OF APPOINTMENT	02-01-2024				
	STATUS OF APPOINTMENT	Full Time Faculty		ACADEMIC LOAD	1 ST Sem	23.50	2 ND Sem	19.50	
	RESEARCH	<ul style="list-style-type: none">Evaluating an LLM-based Dialogue Tutor for Novice Programming			2025	<ul style="list-style-type: none">Internal			
	EXTENSION	<ul style="list-style-type: none">UNLOCKING DIGITAL DOORS: Tech for Women Behind BarsTECH BEYOND BARS: Digital Transformation for Jail PersonnelTECH BEYOND THE YEARS: Connecting the Generational DividePAOLegalConnect: Development of a Legal Services Web Application for the Public Attorney's Office Region XTECH BEHIND BARS: Digital Reformation for Inmates			2025	<ul style="list-style-type: none">Persons deprived of liberty (PDL) WomenBJMP PersonnelRetirees			
					2025				
					2025				
					2024				
					2024				

Figure 9.2: Faculty Summary - Asst. Prof. Liezil C. Daberao




NAME OF FACULTY	DINAWANAO, DANTE D.	ACADEMIC RANK	Associate Professor V		
EDUCATIONAL ATTAINMENT AND QUALIFICATION	Bachelor of Science in Computer Science, 1994 Master of Science in Computer Science, 2003	Mindanao State University-Iligan Institute of Technology De La Salle University			
ELIGIBILITY		PRC License Number			
FIELD OF SPECIALIZATION	Parallel and Distributed Computing	Date of Expiration			
SUBJECTS TO BE TAUGHT	CSC 155, CSC 198, CSC113, CSC 186, ICT399	Teaching Experience	Thirty (30) years		
NATURE OF APPOINTMENT	Permanent	DATE OF APPOINTMENT	06-13-1994		
STATUS OF APPOINTMENT	Full Time Faculty	ACADEMIC LOAD	1 st Sem.	6.00	2 nd Sem. 10.50
RESEARCH	<ul style="list-style-type: none"> <i>Development of a Web-Based Platform for Work and Financial Planning: Enhancing Document and Data Monitoring, Submission, and Reporting for the period</i> <i>An Evaluation of MOLE Usage: Outcome of Innovative Flexible Learning and Teaching Strategy Modality Webinars and Workshops</i> 	2025	internal		
EXTENSION	<ul style="list-style-type: none"> <i>TECH BEHIND BARS: Digital Reformation for Inmates</i> <i>PAOLegalConnect: Development of a Legal Services Web Application for the Public Attorney's Office Region X</i> 	2022	internal		
EXTENSION	<ul style="list-style-type: none"> <i>TECH BEHIND BARS: Digital Reformation for Inmates</i> <i>PAOLegalConnect: Development of a Legal Services Web Application for the Public Attorney's Office Region X</i> 	2024	beneficiaries		
EXTENSION	<ul style="list-style-type: none"> <i>TECH BEHIND BARS: Digital Reformation for Inmates</i> <i>PAOLegalConnect: Development of a Legal Services Web Application for the Public Attorney's Office Region X</i> 	2024			

Figure 9.3: Faculty Summary - Assoc. Prof. Dante D. Dinawanao


NAME OF FACULTY	LLANTOS, ORVEN E.	ACADEMIC RANK	Professor VI		
EDUCATIONAL ATTAINMENT AND QUALIFICATION	Bachelor of Science in Computer Science, 2000 Master of Science in Computer Applications, 2007 Doctor of Philosophy in Computer Science, 2021	Mindanao State University-Iligan Institute of Technology Mindanao State University-Iligan Institute of Technology Ateneo de Manila University			
ELIGIBILITY		PRC License Number			
FIELD OF SPECIALIZATION	Business Analytics, Human-Computer Interactions, Data Structures and Algorithms	Date of Expiration			
SUBJECTS TO BE TAUGHT	CSC199, ICT 399, ITE199, MDS 203, MDS 298, CSC133, CSC 194, MBA 252, DBA 351	Teaching Experience	Twenty-one (21) years		
NATURE OF APPOINTMENT	Permanent	DATE OF APPOINTMENT	06-01-2007		
STATUS OF APPOINTMENT	Full Time Faculty	ACADEMIC LOAD	1 st Sem.	12.50	2 nd Sem. 20.50
RESEARCH	<ol style="list-style-type: none"> <i>Real-time Tracking of Moving Objects with Enhanced Signal and Customized User Interface through Broadcasting Global Positioning Systems Data.</i> <i>Enhancing my.eskwela for Synchronous Classes in the Public Schools during the COVID-19 Pandemic and Beyond</i> <i>Cloudification of my.eskwela for e-governance in Philippine Education</i> <i>CLENS: Garbage Awareness app using Gamification and IoT.</i> <i>my.eskwela Project</i> 	23-24	External		
EXTENSION	<ol style="list-style-type: none"> <i>Extend the Conduct and Implementation of an Institute-Approved Extension Project</i> <i>Adoption of my.eskwela in Various Schools of Department of Education, Division of Iligan City</i> <i>Adoption of my.eskwela in Tambo Central School</i> 	22-23	External		
EXTENSION	<ol style="list-style-type: none"> <i>Extend the Conduct and Implementation of an Institute-Approved Extension Project</i> <i>Adoption of my.eskwela in Various Schools of Department of Education, Division of Iligan City</i> <i>Adoption of my.eskwela in Tambo Central School</i> 	2017 2025 12-15	External Internal Internal		
EXTENSION	<ol style="list-style-type: none"> <i>Extend the Conduct and Implementation of an Institute-Approved Extension Project</i> <i>Adoption of my.eskwela in Various Schools of Department of Education, Division of Iligan City</i> <i>Adoption of my.eskwela in Tambo Central School</i> 	19-20	Schools under the Division of Iligan City - do -		
EXTENSION	<ol style="list-style-type: none"> <i>Extend the Conduct and Implementation of an Institute-Approved Extension Project</i> <i>Adoption of my.eskwela in Various Schools of Department of Education, Division of Iligan City</i> <i>Adoption of my.eskwela in Tambo Central School</i> 	15-16	Tambo Central School		

Figure 9.4: Faculty Summary - Prof. Orven E. LLantos



	NAME OF FACULTY	MACALISANG, HAROUN ARC P.	ACADEMIC RANK	Assistant Professor IV
	EDUCATIONAL ATTAINMENT AND QUALIFICATION	Bachelor of Science in Computer Science, 2003	Mindanao State University-Iligan Institute of Technology	
		Master of Science in Computer Science, 2010	James Madison University, USA	
	ELIGIBILITY		PRC License Number	
			Date of Expiration	
	FIELD OF SPECIALIZATION	Cryptography/ Info Security	Teaching Experience	Fourteen (14) years
	SUBJECTS TO BE TAUGHT	CCC121, CSC121, CSC142, CCC101, CSC112, CSC161		
	NATURE OF APPOINTMENT	Permanent	DATE OF APPOINTMENT	07-01-2011
	STATUS OF APPOINTMENT	Full Time Faculty	ACADEMIC LOAD	1 ST Sem. 18.00 2 ND Sem. 17.00
	RESEARCH	<ul style="list-style-type: none"> A Deep Neural Network Approach to Embryonic Development Classification of Duck Eggs 	2023	internal
	EXTENSION	<ul style="list-style-type: none"> TECH BEHIND BARS: Digital Reformation for Inmates PAOLegalConnect: Development of a Legal Services Web Application for the Public Attorney's Office Region X 	2024	beneficiaries
			2024	

Figure 9.5: Faculty Summary - Asst. Prof. Haroun P. Macalisang

	NAME OF FACULTY	MAULANA, MALIKEY M.	ACADEMIC RANK	Assistant Professor IV
	EDUCATIONAL ATTAINMENT AND QUALIFICATION	Bachelor of Science in Computer Science, 2008	Mindanao State University-Iligan Institute of Technology	
		Master of Science in Computer Science, 2018	Mindanao State University-Iligan Institute of Technology	
		Doctor of Philosophy in Computer Science - ongoing	Technological Institute of Technology	
	ELIGIBILITY		PRC License Number	
			Date of Expiration	
	FIELD OF SPECIALIZATION	Database System	Teaching Experience	Fifteen (15) years
	SUBJECTS TO BE TAUGHT	CCC181, CSC181, CSC199, ITE152, CSC151		
	NATURE OF APPOINTMENT	Permanent	DATE OF APPOINTMENT	06-14-10
	STATUS OF APPOINTMENT	Full Time Faculty	ACADEMIC LOAD	1 ST Sem. 21.50 2 ND Sem. 7.00
	RESEARCH	<ul style="list-style-type: none"> Evaluating an LLM-based Dialogue Tutor for Novice Programming A Deep Neural Network Approach to Embryonic Development Classification of Duck Eggs Autonomous Power Tiller for Rice Paddy 	2025 2023 2022	internal internal
	EXTENSION	<ul style="list-style-type: none"> PAOLegalConnect: Development of a Legal Services Web Application for the Public Attorney's Office Region X TECH BEHIND BARS: Digital Reformation for Inmates 	2024	beneficiaries
			2024	

Figure 9.6: Faculty Summary - Asst. Prof. Malikey M. Maulana



	NAME OF FACULTY	MONTEMAYOR, JENNIFER JOYCE M.	ACADEMIC RANK	Assistant Professor III
	EDUCATIONAL ATTAINMENT AND QUALIFICATION	Bachelor of Science in Computer Science, 2011	Mindanao State University-Iligan Institute of Technology	
		Master of Science in Computer Science, 2018	Mindanao State University-Iligan Institute of Technology	
	ELIGIBILITY		PRC License Number	
	FIELD OF SPECIALIZATION	Machine Learning	Date of Expiration	
	SUBJECTS TO BE TAUGHT	CCC 101, CSC172, CSC173, CSC199, ICT 399, CSC 011	Teaching Experience	Nine (9) years
	NATURE OF APPOINTMENT	Permanent	DATE OF APPOINTMENT	
	STATUS OF APPOINTMENT	Full Time Faculty	ACADEMIC LOAD	1 st Sem. 13.00 2 nd Sem. 10.75
	RESEARCH	<ul style="list-style-type: none"> <i>Evaluating an LLM-based Dialogue Tutor for Novice Programming</i> <i>A Deep Neural Network Approach to Embryonic Development Classification of Duck Eggs</i> <i>Water Distribution Analysis for Iligan City</i> <i>Development of an Energy Monitoring System for MSU-IIT</i> 	2025 2023 2023 2020	<i>internal</i> <i>internal</i> <i>internal</i>
	EXTENSION	<ul style="list-style-type: none"> <i>PAOLegalConnect: Development of a Legal Services Web Application for the Public Attorney's Office Region X</i> <i>TECH BEHIND BARS: Digital Reformation for Inmates</i> 	2024 2024	<i>beneficiaries</i>

Figure 9.7: Faculty Summary - Asst. Prof. Jennifer Joyce Montemayor

	NAME OF FACULTY	PEREZ, JULIETO E.	ACADEMIC RANK	Assistant Professor IV
	EDUCATIONAL ATTAINMENT AND QUALIFICATION	Bachelor of Science in Computer Science, 2009	Mindanao State University-Marawi City	
		Master of Science in Computer Science, 2016	Mindanao State University-Iligan Institute of Technology	
		Doctor of Philosophy in Computer Science - CAR	De La Salle University	
	ELIGIBILITY		PRC License Number	
	FIELD OF SPECIALIZATION	Natural Language Processing, Conversational AI	Date of Expiration	
	SUBJECTS TO BE TAUGHT	CCC100, CCC101, BIT103, CSC113, ITE 133	Teaching Experience	Sixteen (16) years
	NATURE OF APPOINTMENT	Permanent	DATE OF APPOINTMENT	08-22-2020
	STATUS OF APPOINTMENT	Full Time Faculty	ACADEMIC LOAD	1 st Sem. 2 nd Sem.
	RESEARCH	<ol style="list-style-type: none"> <i>Modelling Novice Programmers Skills Level Using Item Response Theory Models</i> <i>Monitoring Novice Programmers While Learning to Program in a Blended Learning Setting</i> <i>Examining the Gender Difference of Social Media Users on Online Fact-Checking Services</i> 	2022 2022 2021	<i>internal</i> <i>internal</i> <i>internal</i>
	EXTENSION			

Figure 9.8: Faculty Summary - Asst. Prof. Julieto E. Perez



	NAME OF FACULTY	TACULIN, ALQUINE ROY F.	ACADEMIC RANK	Associate Professor V
	EDUCATIONAL ATTAINMENT AND QUALIFICATION	Bachelor of Science in Computer Science, 2001 Master of Science in Computer Science, 2006 Doctor of Philosophy in Computer Science - (CAR)	Mindanao State University-Iligan Institute of Technology University of the Philippines Los Baños Ateneo De Manila University	
	ELIGIBILITY		PRC License Number	
			Date of Expiration	
	FIELD OF SPECIALIZATION	Parallel Algorithms	Teaching Experience	Twenty-three (23) years
	SUBJECTS TO BE TAUGHT	ICT 201, ICT 203, ICT 295, MDS 209, MDS 210, CSC124, CSC175, ICT 206, MDS 206		
	NATURE OF APPOINTMENT	Permanent	DATE OF APPOINTMENT	06-04-2001
	STATUS OF APPOINTMENT	Full Time Faculty	ACADEMIC LOAD	1 st Sem. 22.00 2 nd Sem. 19.25
	RESEARCH	<i>title</i> <i>title</i> <i>title</i>	<i>year</i> <i>year</i> <i>year</i>	external/internal
	EXTENSION	<ul style="list-style-type: none">UNLOCKING DIGITAL DOORS: Tech for Women Behind BarsTECH BEYOND BARS: Digital Transformation for Jail PersonnelTECH BEYOND THE YEARS: Connecting the Generational DividePAOLegalConnect: Development of a Legal Services Web Application for the Public Attorney's Office Region X	2025 2025 2025 2024	<ul style="list-style-type: none">Persons deprived of liberty (PDL) WomenBJMP PersonnelRetirees

Figure 9.9: Faculty Summary - Assoc. Prof. Alquine Roy F. Taculin

9.2 Appendix B: Research and Publication Documentation

9.2.1 B.1 Faculty Research Projects Summary

The following summaries provide comprehensive documentation of faculty research activities, categorized by funding source and detailing project titles, funding amounts, duration, and participating faculty members.



9.2.1.1 B.1.1 Externally Funded Research Projects

RESEARCH TITLE	FACULTY	YEAR	FUNDING AGENCY
TRACKER: Real-Time Tracking Moving Objects with EnhancedSignal and Customized User Interface through Broadcasting Global Positioning Systems Data	Prof. Orven E. Llantos (Leader)	2024	DOST
Water Distribution Analysis for Iligan City	Asst. Prof. Jennifer Joyce M. Montemayor	2023	DOST
Enhancing my.eskwela for Synchronous Classes in the Public Schools during the Covid-19 Pandemic and Beyond	Prof. Orven E. Llantos (Leader)	2022	
Modelling Novice Programmers Skills Level Using Item Response Theory Models	Asst. Prof. Julieto E. Perez (Leader) Asst. Prof. Jennifer Joyce M. Montemayor	2022	Futures Thinking
Monitoring Novice Programmers While Learning to Program in a Blended Learning Setting	Asst. Prof. Julieto E. Perez (Leader)	2022	Futures Thinking
Autonomous Power Tiller for Rice Paddy	Asst. Prof. Renato V. Crisostomo (Leader) Asst. Prof. Malikey M. Maulana	2022	Futures Thinking

Figure 9.10: Externally Funded Research Summary

9.2.1.2 B.1.2 Internally Funded Research Projects

RESEARCH TITLE	FACULTY	YEAR
The Mindanao Lexicon Project-Subanen	Prof. Orven E. Llantos	2025
Evaluating an LLM-based Dialogue Tutor for Novice Programming	Asst. Prof. Liezil C. Daberao (Leader) Asst. Prof. Julieto E. Perez Asst. Prof. Jennifer Joyce M. Montemayor Asst. Prof. Renato V. Crisostomo Asst. Prof. Malikey M. Maulana	2025
CLENS: Garbage Awareness App using Gamification and IoT	Prof. Orven E. Llantos (Leader)	2025
Development of a Web-Based Platform for Work and Financial Planning: Enhancing Document and Data Monitoring, Submission, and Reporting	Assoc. Prof. Dante D. Dinawanao	2025
Developing an Enhanced MSU-IIT Online Learning Environment	Assoc. Prof. Dante D. Dinawanao	2024
A Deep Neural Network Approach to Embryonic Development Classification of Duck Eggs	Asst. Prof. Jennifer Joyce M. Montemayor (Leader) Asst. Prof. Renato V. Crisostomo Asst. Prof. Malikey M. Maulana Asst. Prof. Haroun Al Raschid Christopher Macalisang	2023
Water Distribution Analysis for Iligan City	Asst. Prof. Jennifer Joyce M. Montemayor	2023
An Evaluation of MOLE Usage: Outcome of Innovative Flexible Learning and Teaching Strategy Modality Webinars and Workshops	Assoc. Prof. Dante D. Dinawanao	2022

Figure 9.11: Internally Funded Research Summary

9.2.2 B.2 Faculty Google Scholar Profiles

This section presents the complete collection of faculty Google Scholar profiles, demonstrating research productivity, citation impact, and scholarly visibility across the department.



Google Scholar



Alquine Roy F. Taculin

Department of Computer Science, MSU-Iligan Institute of Technology
Verified email at g.msuil.edu.ph

Graph Theory Algorithms Transportation Computing

FOLLOW

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TITLE	CITED BY	YEAR
PROJECT SIGAW: A COMMUNITY-BASED INCIDENT REPORTING AND MAPPING USING GOOGLE MAPS JEAA Escorial, RQ Lavilles, ARF Taculin Innovatus 2 (1), 71-76	2019	
Comparative Study of Detection-based Algorithms for Tracking Multiple Cars ARF Taculin, K Tekromo 18th Philippine Computing Science Congress, 185-190	2018	
Meeting National and Global Health Goals-Utilization of Health Information for Policy Formulation in Iligan City and Oroquieta City AT Roxas, CD Jondonero, AR Taculin, RQ Lavilles ASIA PACIFIC JOURNAL OF SOCIAL INNOVATION 30 (1), 165-194	2017	
ICT Adoption in Health: The Case of Field Health Information System in Iligan City Health District and Oroquieta Inter-Local Health Zones RQ Lavilles, ARF Taculin, C Jondonero, AT Roxas 14th National Conference on Information Technology Education (NCITE 2016 ...	2016	
Utilization of Health Information for Policy Formulation, Priority Setting and Resource Allocation in Iligan City and Oroquieta Inter-local Health Zones to Meet National Health ... AT Roxas, CD Jondonero, ARF Taculin, RQ Lavilles Mindanao Forum	2015	
Using molecular algorithm in keystroke dynamics ARF Taculin, DM Abahan, JRB Cruz, ML Santos, RV Crisostomo 2014 International conference on computer, communications, and control ...	1	2014
Implementing "dama" Game Using Parallel Search AL Hullar, ARF Taculin Asia-Pacific Journal of Science, Mathematics and Engineering (APJSME) 2 (1 ...	2014	
Bipartite Drawing and Bipartite Crossing Number of Bipartite Graphs with Edge-Disjoint Cycles ARF Taculin	2006	

Cited by

	All	Since 2020
Citations	1	0
h-Index	1	0
i10-index	0	0

Co-authors

	Rabby Lavilles Associate Professor of Informati...	>
	Kardi Tekromo School of Urban and Regional Pl...	>
	Alta Roxas Professor, Economics Dept., Coll...	>

Figure 9.12: Google Scholar Profile - Assoc. Prof. Alquine Roy F. Taculin

Google Scholar



Dante Dinawanao

Associate Professor of Computer Science, MSU-Iligan Institute of Technology
Verified email at g.msuil.edu.ph - HomepageConcurrent Programming Parallel and Distributed Co... Computer Networks
Operating Systems

FOLLOW

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TITLE	CITED BY	YEAR
Needs and challenges of academics and students in using a learning management system: a user experience approach MCAR Llamas, CM Viléa-Malabanan, DD Dinawanao Journal of Education and Learning (EdULearn) 19 (3), 1662-1669	2025	
Reimagining Higher Education: Case Studies on Designing for Inclusion, Equity, and Access in the BUKA Project H Teras, J Brunton Zenodo	1	2023
BUKA-REACH Capacity Building on Innovative Flexible Learning-Mindanao State University-Iligan Institute of Technology (MSU-IIT), Philippines AT Buan, CV Malabanan, RA Consolacion, DD Dinawanao, AM Dilucalan, ... Reimagining Higher Education, 113	2023	
Testing, social distancing and age specific quarantine for COVID-19: Case studies in Iligan City and Cagayan de Oro City, Philippines W Bock, JB Bonales, JP Burgard, JE Babiera, RL Caga-Anan, ... AIP Conference Proceedings 2286 (1), 030002	5	2020
ARCPoS: A DECISION SUPPORT SYSTEM FOR ACADEMIC RANKING, CLASSIFICATION AND PROMOTION SYSTEM FOR THE FACULTY OF UNIVERSIDAD DE ZAMBOANGA DD Dinawanao, NMZ Bacasong Science Asia Review 1 (1), 1-1	2020	
JEPPY: An interactive pedagogical agent to aid novice programmers in correcting syntax errors JE Perez, DD Dinawanao, ES Tabanao International Journal of Advanced Computer Science and Applications 11 (2), 1-1	14	2020
JEPPY: An Interactive Pedagogical Agent for Novice C++ Programmers JE Perez, DD Dinawanao, ES Tabanao IIRAJ International Conference (ICCI-SEM 2018), Kuala Lumpur, Malaysia	2018	
Development of a University Financial Data Warehouse and its Visualization Tool	21	2018

Cited by

	All	Since 2020
Citations	51	47
h-Index	3	3
i10-index	2	2

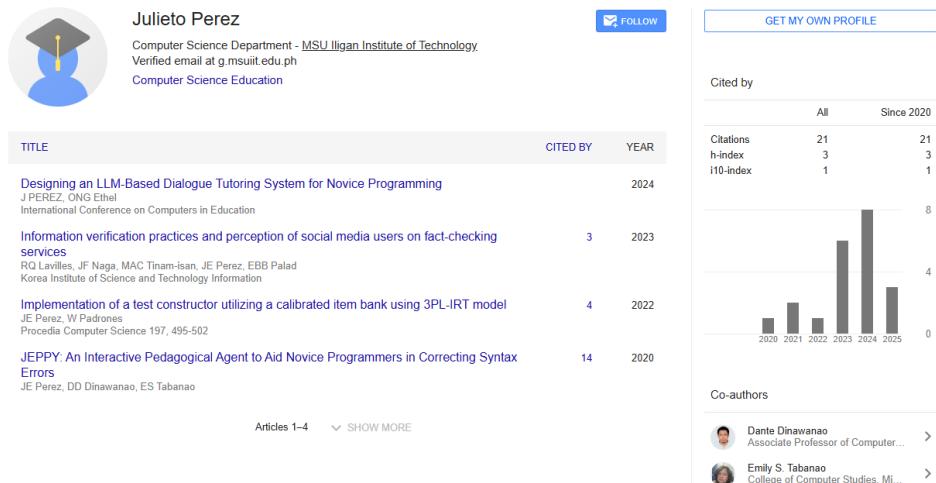
Co-authors

	Earl Von Lapura Mindanao State University - Iliga...	>
	Jennifer Joyce M. Montemayor MSU-Iligan Institute of Technology	>
	Amelia Buan MSU-Iligan Institute of Technolo...	>
	Orven E. Llantos, PhD Professor of Computer Science, ...	>

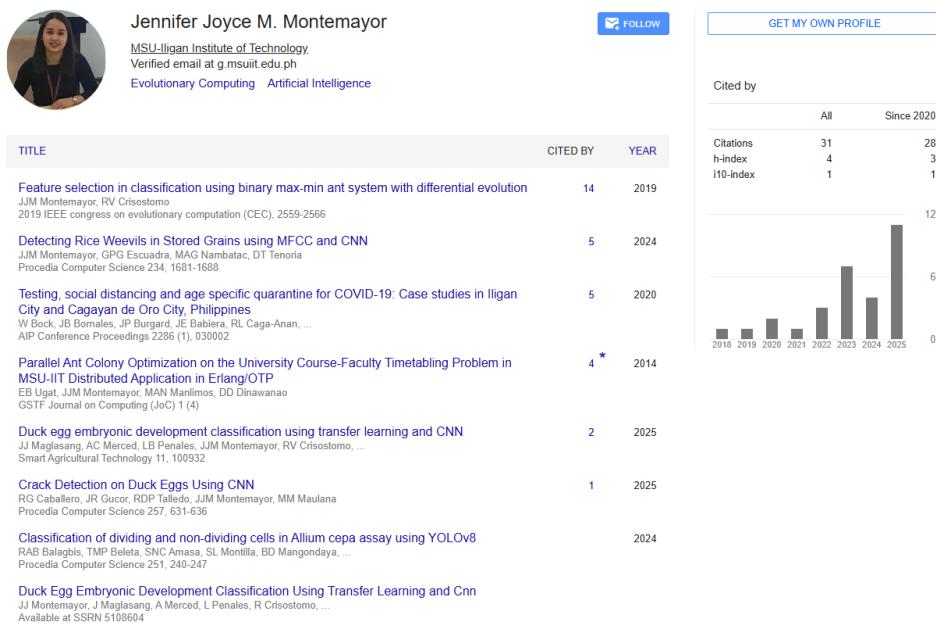
Figure 9.13: Google Scholar Profile - Assoc. Prof. Dante D. Dinawanao



Google Scholar

**Figure 9.14:** Google Scholar Profile - Asst. Prof. Julieto E. Perez

Google Scholar

**Figure 9.15:** Google Scholar Profile - Asst. Prof. Jennifer Joyce Montemayor



Google Scholar



Malikey Maulana
MSU-Iligan Institute of Technology
Verified email at g.msuit.edu.ph

FOLLOW **GET MY OWN PROFILE**

TITLE	CITED BY	YEAR
Duck egg embryonic development classification using transfer learning and CNN JJ Maglasang, AC Merced, LB Penales, JJM Montemayor, RV Crisostomo, ... Smart Agricultural Technology 11, 100932	2	2025
Crack Detection on Duck Eggs Using CNN RG Caballero, JR Guco, RDP Talledo, JJM Montemayor, MM Maulana Procedia Computer Science 257, 631-636	1	2025
Webcam Eye-Tracking Browser Extension For General Navigation QAA Razuman, BJO Mabala, MM Maulana Procedia Computer Science 257, 561-568		2025
Classification of dividing and non-dividing cells in Allium cepa assay using YOLOv8 RAB Balagbis, TMP Beleta, SNC Amasa, SL Montilla, BD Mangondaya, ... Procedia Computer Science 251, 240-247		2024
Duck Egg Embryonic Development Classification Using Transfer Learning and Cnn JJ Montemayor, J Maglasang, A Merced, L Penales, R Crisostomo, ... Available at SSRN 5108604		

Articles 1–5 **SHOW MORE**

Cited by

	All	Since 2020
Citations	3	3
h-index	1	1
h10-index	0	0

Figure 9.16: Google Scholar Profile - Asst. Prof. Malikey M. Maulana

9.2.3 B.3 Faculty Conference Presentations Summary

This section provides comprehensive documentation of faculty participation in conferences, workshops, and professional development activities, demonstrating active engagement in the academic and professional community.



FACULTY	PAPER TITLE	CONFERENCE	VENUE	DATE
Asst. Prof. Liezil C. Daberao	Analyzing Student Engagement in an LLM-powered Dialogue-Based Programming Tutor: A Descriptive Analysis of Interaction Logs	8th Information Systems International Conference (ISICO 2025)	Bali, Indonesia	August 4, 2025 - August 6, 2025
Prof. Orven E. Llantos	pagkAlin: Designing an AI-Based Meal Planner for School Food Courts with Genetic Algorithm	8th Information Systems International Conference (ISICO 2025)	Bali, Indonesia	August 4, 2025 - August 6, 2025
Asst. Prof. Malike M. Maulana	Webcam Eye-Tracking Browser Extension For General Navigation	16th International Conference on Ambient Systems, Networks and Technologies (ANT 2025)	Patras, Greece	April 22, 2025 - April 24, 2025
Asst. Prof. Jennifer Joyce M. Montemayor	Duck Egg Crack Detection Using Deep Learning	16th International Conference on Ambient Systems, Networks and Technologies (ANT 2025)	Patras, Greece	April 22, 2025 - April 24, 2025
Prof. Orven E. Llantos	Performance Analysis of YOLO versions for Real-time Pothole Detection	16th International Conference on Ambient Systems, Networks and Technologies (ANT 2025)	Patras, Greece	April 22, 2025 - April 24, 2025
Asst. Prof. Jennifer Joyce M. Montemayor	Classification of dividing and non-dividing cells in Allium cepa assay using YOLOv8	15th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN 2024)	Leuven, Belgium	October 28, 2024 - October 30, 2024
Prof. Orven E. Llantos	Eyeway: An Artificial Intelligence Of Things Pothole Detection System With Map Visualization	15th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN 2024)	Leuven, Belgium	October 28, 2024 - October 30, 2024
Prof. Orven E. Llantos	Exploring Nanoparticle Dynamics: Simulating Brownian Motion in Blood and Saltwater Using Monte Carlo Simulation	15th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN 2024)	Leuven, Belgium	October 28, 2024 - October 30, 2024
Prof. Orven E. Llantos	Real-Time Tracker for Moving Objects with Enhanced Signal and Customized User Interface through Broadcasting Global Positioning Systems Data	15th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN 2024)	Leuven, Belgium	October 28, 2024 - October 30, 2024
Prof. Orven E. Llantos	Asynchronous Inter-Class Project Collaboration Adaptation Method to Agile Practices in University Context	15th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN 2024)	Leuven, Belgium	October 28, 2024 - October 30, 2024
Prof. Orven E. Llantos	Vaccimon Device: A Design and Development of Vaccine Carrier Monitoring Device for COVID-19 Vaccines	13th International Conference on Current and Future Trends of Information and Communication Technologies in Healthcare (ICITH 2023)	Almaty, Kazakhstan	November 7, 2023 - November 9, 2023
Prof. Orven E. Llantos	Bundle AI: An Application of Multiple Constraint Knapsack Problem (MCKP) Through Genetic Algorithm (GA)	14th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN 2023)	Almaty, Kazakhstan	November 7, 2023 - November 9, 2023
Asst. Prof. Jennifer Joyce M. Montemayor	Detecting Rice Weevils in Stored Grains using MFCC and CNN	7th Information System International Conference (ISICO 2023)	Bali, Indonesia	July 26, 2023 - July 28, 2023
Prof. Orven E. Llantos	Solving the Binary Puzzle with Genetic Algorithm	7th Information System International Conference (ISICO 2023)	Bali, Indonesia	July 26, 2023 - July 28, 2023
Prof. Orven E. Llantos	Conceptualization of a Situation-Aware Agent for Social Learning Management Systems to Promote Learning Interactions	3rd Workshop on Social and Cultural Integration with Personalized Interfaces in Conjunction28th International ACM Conference on Intelligent User Interfaces (ACM IUI 2023)	Sydney, Australia	March 27, 2023 - March 30, 2023
Prof. Orven E. Llantos	Enhancing My Eskwela for Synchronous Classes in the Public Schools during the COVID-19 Pandemic and Beyond	The Ninth International Conference on Social Network Analysis, Management and Security (SNAMS 2022)	Milan, Italy	November 29, 2022 - December 1, 2022

Figure 9.17: Faculty Conferences Summary

9.3 Appendix C: Extension and Community Engagement

9.3.1 C.1 Faculty Extension Activities Summary

This section provides a comprehensive overview of all faculty extension activities, demonstrating the department's commitment to community service and technology transfer.



EXTENSION PROGRAM	FACULTY	YEAR
PAOLegalConnect: Development of a Legal Services Web Application for the Public Attorney's Office Region X	Asst. Prof. Malikey M. Maulana (Leader)	2025
	Asst. Prof. Renato V. Crisostomo	
	Asst. Prof. Jennifer Joyce M. Montemayor	
	Asst. Prof. Haroun Al Raschid Christopher Macalisang	
UNLOCKING DIGITAL DOORS: Tech for Women Behind Bars	Asst. Prof. Liezil C. Daberao (Leader)	2025
	Assoc. Prof. Alquine Roy Taculin	
	Asst. Prof. Jennifer Joyce M. Montemayor	
TECH BEYOND BARS: Digital Transformation for Jail Personnel	Assoc. Prof. Alquine Roy Taculin (Leader)	2025
	Asst. Prof. Liezil C. Daberao	
TECH BEYOND THE YEARS: Connecting the Generational Divide	Assoc. Prof. Alquine Roy Taculin (Leader)	2025
	Asst. Prof. Jennifer Joyce M. Montemayor	
	Asst. Prof. Malikey M. Maulana	
	Asst. Prof. Liezil C. Daberao	
Adopt a City Program on Building Disaster Resilient Community in Iligan City Phase 2	Prof. Orven E. Llantos	2025
TECH BEHIND BARS: Digital Reformation for Inmates	Assoc. Prof. Alquine Roy Taculin (Leader)	2024
	Asst. Prof. Renato V. Crisostomo	
	Asst. Prof. Haroun Al Raschid Christopher Macalisang	
	Asst. Prof. Jennifer Joyce M. Montemayor	
	Assoc. Prof. Dante D. Dinawanao	
	Asst. Prof. Liezil C. Daberao	
Iligan City Water Data Analysis and Development of a Web Information System for the Iligan City Waterworks Systems (ICWS)	Asst. Prof. Malikey M. Maulana	2024
	Asst. Prof. Renato V. Crisostomo	
	Asst. Prof. Haroun Al Raschid Christopher Macalisang	
	Asst. Prof. Jennifer Joyce M. Montemayor (Leader)	

Figure 9.18: Faculty Extension Summary

9.3.2 C.2 Industry Partnerships [UPDATE NEEDED: 2021-2025 Partnerships]

[UPDATE: Current partnerships with industry and technology organizations]

9.4 Appendix D: Professional Development Activities

9.4.1 D.1 Graduate Studies Support [UPDATE NEEDED: 2021-2025 Data]

[UPDATE: Table of faculty pursuing advanced degrees with institutions, programs, and funding sources]

9.4.2 D.2 Professional Organization Memberships

Faculty members actively participate in professional organizations to enhance their professional development, maintain industry connections, and contribute to the advancement of computer science education and research.



9.4.2.1 D.2.1 ACM (Association for Computing Machinery) Membership



Figure 9.19: ACM Membership - Asst. Prof. Malikey M. Maulana

9.4.2.2 D.2.2 IEEE (Institute of Electrical and Electronics Engineers) Membership



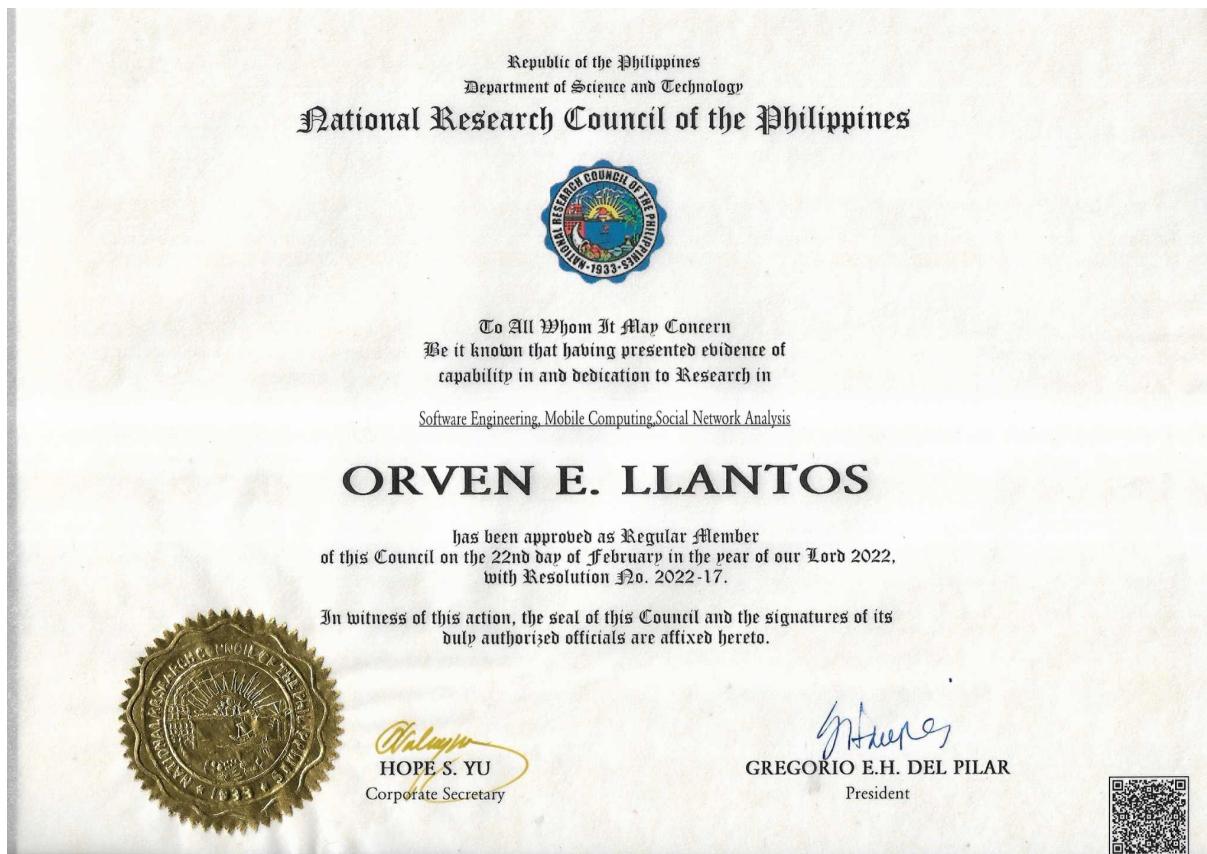
Figure 9.20: IEEE Membership - Asst. Prof. Malikey M. Maulana



Figure 9.21: IEEE Membership - Asst. Prof. Julieta E. Perez



Figure 9.22: IEEE Membership - Asst. Prof. Liezil C. Daberao

**9.4.2.3 D.2.3 NRCP (Natural Research Council of the Philippines) Memberships****Figure 9.23:** NRCP Membership - Prof. Orven E. Llantos**9.4.2.4 D.2.4 Additional Professional Organization Memberships****9.4.3 D.3 Training and Workshop Attendance [UPDATE NEEDED: 2021-2025 Activities]**

[UPDATE: Professional development activities attended by faculty]

9.5 Appendix E: Budget and Financial Documentation**9.5.1 E.1 Annual Budget Allocation [UPDATE NEEDED: 2021-2025 Actual Budgets]**

[UPDATE: Detailed breakdown of actual faculty development expenditures]

**9.5.2 E.2 Funding Sources Summary [UPDATE NEEDED: 2021-2025 Funding]**

[UPDATE: Sources of funding for faculty development activities with amounts and percentages]

9.5.3 E.3 Scholarship and Grant Awards [UPDATE NEEDED: 2021-2025 Awards]

[UPDATE: Detailed list of scholarships and grants received by faculty with amounts and agencies]

9.5.4 E.4 Research Incentives and Support [UPDATE NEEDED: 2021-2025 Support]

[UPDATE: Research funding and incentive structures with actual amounts distributed]

9.6 Appendix F: Facilities and Resources Inventory**9.6.1 E.1 Physical Facilities [UPDATE NEEDED: 2021-2025 Current Facilities]**

[UPDATE: Detailed inventory of laboratories, offices, classrooms, and research spaces]

9.6.2 E.2 Technology Resources [UPDATE NEEDED: 2021-2025 Technology]

[UPDATE: Computing equipment, software licenses, and ICT infrastructure]

9.6.3 E.3 Library and Digital Resources [UPDATE NEEDED: 2021-2025 Resources]

[UPDATE: Collection statistics, database access, and digital resource availability]

9.6.4 E.4 Support Services [UPDATE NEEDED: 2021-2025 Services]

[UPDATE: Administrative, technical, and academic support services available]

References: - PPP Pages 6, 31: Instructional materials and ICT resources - AACUP Parameter D folder: Facilities documentation