



Mindanao State University
Iligan Institute of Technology



Annual 2016 Report

Research, Innovation,
and Entrepreneurship

Vision

A world-class institution of higher learning renowned for its excellence in science and technology and for its commitment to the holistic development of the individual and society

Mission

To provide quality education for the industrial and socio-economic development of Mindanao with its diverse cultures through relevant programs in instruction, research, extension, and community involvement

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Founding Member and Member of the Board, Asian Technological University Network (ATU-Net), the only member in the Philippines

Member, ASEAN University Network – Southeast Asia Engineering Education Development Network (AUN- SEED Net); the only member in Mindanao Resource Distribution Center of the UNESCO Bangkok Asia and Pacific Regional Bureau for Education

Delivering Institution of the Asian Institute of Management Team Energy Center (AIM-TEC)

Mindanao Bridging Leadership Program (MBLP)

Center of Excellence in MINSUPALA Studies and Research Center in Mindanao

National Computer Center (NCC) Training Arm in Northern Mindanao

Center of Excellence in Biodiversity Conservation and Management granted by the HARIBON Foundation

Member, National Commission for Culture and the Arts (NCCA)

Partner, Intellectual Property Office of the Philippines (IPOPhil) for Innovation and Technology Support Office (ITSO) Management

Member, Philippine Association of Tertiary Level Educational Institutions in Environmental Protection and Management (PATLEPAM)

Member, National Research Council of the Philippines (NRCP)

Member, National Academy of Science and Technology (NAST)

Member, Biosafety Clearing House (BCH), United Nations Development Program (UNDP)

Partner, USAID STRIDE For Knowledge and Technology Transfer Office (KTTO) Capability Building Program

Partner, Biosafety Engagements Program (US Department of State)

Partner, Department of Trade and Industry (DTI) Fabrication Laboratory (FabLab) the first in Mindanao, currently incubating 8 Startup Companies with funding from DOST-PCIEERD in partnership with USAID, IDEASPACE, UP ENTERPRISE, PLDT INNOLAB, DICT and 1000 Angels, DTI R10, The Dream Project PH

Technology and Business Incubation Center, funded by DTI, the first in Mindanao



Recognitions Granted by the Department of Science and Technology (DOST)

First Natural Substance Center for Mindanao ("Tuklas Lunas" Center) awarded by DOST-Philippine Council for Health Research Development
Delivering Institution of the DOST - Science Education Institute (DOST-SEI)
- Undergraduate and graduate programs in the engineering and sciences
Delivering Institution, Engineering Research and Development for Technology (ERDT) Consortium Engineering and IT Programs (the only member HEI in Mindanao)
Member, Accelerated Science and Technology Human Resource Development Program (ASTHRDP) Science Consortium (the only member HEI in Mindanao as member of the National Science Council Steering Committee)
Virtual Center for Technology Innovation in Microelectronics in Southern Philippines
Delivering Institution, DOST-SEI Scholarship Grants for Educational Assistance for Technology and Science Teaching in Mindanao (GREAT-M/SPRINT; the only one in Mindanao)
Center of Innovation and Technopreneurship
Member, Philippine Biomedical Device Consortium (PBDC)
Information and Communication Technology (ICT) Learning Hub for Northern Mindanao
Member, Northern Mindanao Consortium for Agriculture and Resources Research and Development (MOMCARRD)
Member, Northern Mindanao Consortium for Health Research and Development (NorMinCoHRD)
Member, Northern Mindanao Industry and Energy Research and Development (NorMinCIEERD)
Member, National Committee on Biosafety of the Philippines (NCBP)



Recognitions Granted by the Commission on Higher Education (CHED)

Centers of Excellence

Biology programs (General Biology, Zoology, Botany, Marine Biology), Chemistry, Mathematics, Physics, Teacher Education (Secondary Education: Technology and Livelihood Education, MAPEH, Biology, General Science, Chemistry, Mathematics, Physics; Industrial Education: Draft Technology, Industrials Arts; Elementary Education: English, Science and Health), Mechanical Engineering, Electronics Engineering

Centers of Development

Chemical Engineering, Ceramics Engineering, Civil Engineering, Metallurgical Engineering, Electrical Engineering, Information Technology (Computer Science, Information Technology, Information Systems), Marine Sciences, Statistics
Filipino, History, and Sociology (only MSU-IIT has CODs in these 3 programs in Mindanao)
Delivering Higher Education Institution of the CHED Faculty Development Program (FDP):
-19 master's programs and 4 doctorate programs
Delivering Higher Education Institution of the CHED K+12 Transition Program: 27 master's programs and 13 doctorate programs
Gender and Development (GAD) Center
Philippine Higher Education Research Network (PHERNet) Center (only one in Mindanao, with a seat in the Board)

Recognitions Granted by the AusAID Philippine-Australian Human Resource Organization Development Facility (PAHRODF)

Delivering Institution for:

Master in Sustainable Development Studies
MS Programs in Engineering
Master of Arts in English Language Studies



Recognitions Granted by the Accrediting Agency of Chartered Colleges and Universities of the Philippines (AACCUP)

Level III Re-accredited Status (Qualified for Level IV, Phase 1: the only programs given the accreditation status in Mindanao)

College of Arts and Social Sciences (CASS)

Bachelor of Arts (Majors: English, Filipino, History, Political Science, and Sociology)
Bachelor of Science in Psychology

College of Education (CED)

Bachelor of Secondary Education (Majors: Mathematics, Chemistry, Biology Physics, General Science, Technology and Livelihood Education, Music, Arts, Physical Education and Health [MAPEH])
Bachelor of Teacher Technology Education (Majors: Drafting Technology, Industrial Technology)

Level III, Phase 2 Re-accredited Status (Qualified for Level IV, Phase 1) of the following Degree Programs

College of Business Administration and Accountancy (CBAA)

Bachelor of Science in Business Administration (Majors: Entrepreneurial Marketing, Economics)

Level III, Phase 1 Re-accredited Status

Bachelor of Science in Accountancy (CBAA)

Bachelor of Elementary Education (Majors: English, Science and Health) [CED]

Level II Accredited Status

Bachelor of Science in Nursing

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About the Cover

Signifying a big step towards MSU-IIT's goal of becoming a research university, the 200M-peso PRISM building, houses the Institute's state-of-the-art research laboratories and equipment, and is looked upon to provide inspiring new spaces for Institute faculty researchers to work in.

The Premier Research Institute of Science and Mathematics (PRISM) is designed by Engr. Geronides P. Ancog.

Executive Summary

The year 2016 is a special year in MSU-IIT as it is synonymous with the end of the first term of Chancellor Sukarno D. Tanggol, and the commencement of his second term. The year was the most opportune time to evaluate what has been done according to the goals set for a five-year term, and to set out new goals for the next five years.

MSU-IIT starts this with the Institute Strategic Policy Summit that gathered together administrators, the faculty and administrative personnel for the task of charting out policies and strategies for IIT's direction in the K-12 landscape that is to commence in August of 2016. The Summit addressed concerns on seven areas: (a) Academic Programs, (b) Faculty, (c) Students, (d) Research and Extension, (e) Facilities and Student Support Services, (f) Governance and Resource Generation, and (g) Human Resource Matters and Quality Assurance.

The three-day Summit proposed policies that will ensure that the gains the Institute have made over the years shall be sustained. Foremost of these is the CHED's recognition of seven programs in the Institute as Centers of Excellence (COE) and of eleven programs as Centers of Development (COD), making MSU-IIT the only university outside of Luzon with the most number of COEs and CODs.

MSU-IIT is also a recognized Delivering Higher Education Institution to thirty-seven graduate programs, and offers sixty-five (65) undergraduate programs. While maintaining these services in its Mindanao home, the Institute has also been able to sustain linkages with many national and international agencies and institutions. In 2016 alone, MSU-IIT established collaborations with fourteen (14) international institutions, on top of the Institute's linkages with seventeen (17) national and six (6) local/regional agencies and schools.

For this and other similar reasons, the year 2016 sees the newly-established Office on International Affairs (OIA) of the OVCPD facilitating student and faculty exchange programs with partner universities: Malaysia's University of Malaya (UM) and Indonesia's Universitas Negeri Semarang (UNNES). A number of faculty members and students from the Institute's School of Computer Studies (SCS) and the College of Science and Mathematics (CSM) has engaged in the exchange with the UM's Faculty of Computer Science Information and its Faculty of Science, respectively.

Similarly, the OIA oversees seven (7) international exchange students from UNNES under the College of Education's (CED) Department of Physical Education. The OIA also coordinates for the Institute's visiting professors.

To ensure that the Institute continues to keep abreast with current trends, as well as the best practices of its partner international universities in Asia, the Institute sits as a member of the Asia Technological Universities Network (ATU-Net), an academic collaboration of twenty different member universities in Asia. Linkages with these universities are being pursued, with the foresight for mobility during the ASEAN integration.

Such linkages ensure that research and academic collaborations continue to increase in number and to improve in terms of relevance and social impact. In fact, OVCRE data report a continuing rise in the number of publications by the faculty members of the Institute. In the total of 170 journal publications, 92% are in international peer-reviewed journals, most which are ISI or Scopus-indexed.

Research dissemination in terms of paper presentations also exceed the previous years' performance, with an unparalleled 27% by students and by non-teaching personnel. This shift in numbers is synonymous with the shift of research dissemination practice from conference presentation to journal publication. It also corresponds to the expansion of support to include research and dissemination by students and administrative personnel. Institute-authored policies for such, including incentive and awards, have been approved by the Board of Regents, and took effect within the year.

The Institute's bold strides towards the cultivation of a vibrant research culture in the campus is seen in its active authorship of policies that benefit not only IIT, but also the other campuses in the MSU System. In 2016, strengthening research support, the Institute authored a policy for cash awards for inventors who disclose their inventions and assign patent rights to the Institute.

The partner arm of research, Extension Services, yield an expected similar growth for the year. In 2016, a total of 103 training projects reached a total of 6, 752 beneficiaries. These include the Badjau community in Tambacan, as well as various barangays in Iligan and Lanao del Norte, who were recipients of capability building, alternative/sustainable livelihood education, and other training programs. The Department of Extension showcased these various programs in the first Community Extension Day entitled, "Ang Panagtagbo", where the recipient communities put up stalls selling products they made.

As regards information campaign and public education on the ongoing peace problem in Southern Philippines, the Institute for Peace and Development in Mindanao (IPDM) continues to implement a series of public conversations for peace in the conflict-ridden island of Mindanao. The recognition of IPDM as a leader in these public consultations and disseminations continue to be an Institute pride.

MSU-IIT's commitment to its newly-set goal of Research, Innovation and Entrepreneurship is keystone in the creation of three innovation-enabling centers in the Institute, all of which are pioneering in Mindanao: (1) the iDEYA Center of Innovation and Technopreneurship, which is the first Technology Business Incubator in Mindanao, (2) Fab Lab Mindanao, which is a digital fabrication laboratory that transforms ideas to designs and designs to manufacturable prototypes, and (3) the MSU-IIT InnoHive or Innovation Hive, a mentoring and learning hub for students, faculty and staff for technology development, IP awareness and protection, patent searching and data mining.

These new innovation-enabling centers add to the existing innovation and technopreneurial facilities of MSU-IIT, which are the Bamboo Technology Resource Center (BTRC), the Ceramic Training Center (CTC), and the MSU-IIT Intellectual Property Unit-Innovation and Technology Support Office (IPU-ITSO).

These centers are among those housed in newly-constructed buildings in the campus. This year, MSU-IIT celebrates the completion of the Premier Research Institute of Science and Mathematics (PRISM). Its social science counterpart, the Culture and Arts Center, dedicated for humanities research and the dissemination of such, has also been established earlier in the year.

Excellence in these key areas, including instruction, research and infrastructure, are not only essential for MSU-IIT, but are imperative in the newly-appointed pursuit of the Institute of becoming ISO certified. The certification process have commenced in 2016, and is overseen by the new office on Quality Assurance Management Services (QuAMSO), which acts as the central coordinating office for all quality assurance endeavors of all academic, semi-academic and administrative units of the Institute.

MSU-IIT ends 2016 with a recognition program for exemplary Institute employees, under a search that is sponsored by the Program on Awards and Incentives for Service Excellence (PRAISE). Among the major awards given are those for Best Cost Center Head and Institute Outstanding Faculty, for faculty who excel in Instruction, Research, and Extension.

Sukarno D. Tanggol
Chancellor



Office of the Chancellor

SUKARNO D. TANGGOL, DPA
Chancellor

The Office of the Chancellor performs three fundamental functions: (1) provide administrative support to the highest authority in the Institute, the Chancellor; (2) process Institute financial documents and correspondence that require action by the Chancellor; and (3) oversee, as a Cost Center, the operations of the units directly under its supervision.

The year 2016 marks the end of the five-year term of the Chancellor, who was instated in 2011. Following a hold-over interim period of four months, the Chancellor was reappointed for a second and final term in September, after an evaluation of a special committee which rated the Chancellor's first term as Excellent.

This is notwithstanding the Chancellor's two-month sick leave, after having incurred a brain infarction in March.

The now recently-concluded first term of the Chancellor is highlighted by numerous significant policies instituted not only for MSU-IIT, but also for the entire MSU System. The placement of guidelines and schemes in support of large goals such as those of internationalization and ASEAN recognition, has become invaluable in the pursuit of the Institute's vision and mission.

Ultimately, the expiration of the Chancellor's term in April 2016 marks the end of a five-year period for the fulfillment of the six-point agenda that Chancellor Sukarno D. Tanggol laid down at the start of his chancellorship.

In five years, MSU-IIT is able to almost quadruple (from three to eleven) the number of programs recognized by CHED as Centers of Development, and to nearly double (from four to seven) the number of programs recognized as Centers of Excellence. By the end of the Chancellor's first term, MSU-IIT has become the only university outside of Luzon with the most number of COEs and CODs.



The Institute has also exceeded its targets for higher accreditation, as we raised the accreditation of our programs from just Level I and Level II in 2010, to Level III and Level IV in 2016. Adding to this roster of AACUP-accredited programs are those from CASS and CED, which qualified for Level 4 Phase 1 accreditation, an Institute target first set only in 2015. The 12% actual accomplishment of this goal surpasses MSU-IIT's target by 33%.

These excellent academic programs translate to quality student performance, seen in the passing average set by MSU-IIT's students in PRC-regulated examinations over the years. As can be seen, MSU-IIT's passing rate consistently remains high above the national passing average.

MSU-IIT students also consistently emerge as topnotchers in various PRC-regulated examinations. This stellar performance continues to put MSU-IIT among the Philippines' Top Ranking Universities.

In cognizance of the fact that our academic programs are only as strong as the faculty that comprise them, the Institute continues to send out its teachers for graduate and postgraduate

education. MSU-IIT itself is a CHED-recognized delivering higher education institution, offering graduate academic programs for master's and doctorate students. The increase in the number of our graduate programs from thirty-nine (39) programs in 2010 to forty-nine (49) in 2016 is a testament to our capability as a university.

Agenda Point 2 refers to stronger, more relevant research and extension. Over the years, we have seen a phenomenal increase in the number of internally and externally-funded research projects, most of which are translated to paper presentations in international conferences. The phenomenal rise in the number of publication in ISI-indexed and SCOPUS-indexed journals, or in peer-reviewed journals of national and international circulation, has also been unparalleled in IIT history.

Institute-authored policies in support of the conduct and publication of these researches have been generous and comprehensive. In the past five years, we have institutionalized not only faculty support, but also student support and staff support for international paper presentations, as well as a competitive incentive scheme for publication.

MSU-IIT's presence in the community has garnered paramount significance in peace education and capacity-building in Mindanao, seen in incessant public orientations conducted by the IPDM and the various extension programs, reaching at least 10,000 recipients per year. Each extension program in the Institute is aligned under the institutionalized extension program of MSU-IIT called WE CARE.

To support the direction of research and extension in the campus, we have established the very first Fabrication Laboratory (FabLab) in Mindanao, a prototyping platform for innovation and invention, as well as similar laboratories for technology and business incubation (Technology Business Incubator), and for research in science and mathematics, which shall be housed in our newly-constructed PRISM building (Premier Research Institute for Science and Mathematics).



Our academic growth in science and technology is paralleled by our continued recognition in the arts and humanities, keystone last year by the implementation of the first ever culture and arts studies program in the entire Philippines.

In its 234th meeting, the BOR approved the establishment of the Culture and Arts Studies Center (or CulArts-C), which is envisioned to expand the concerns of C&A from mere formal instruction, into production, training, research, and linkages.

The Institute has also created the Department of Philosophy and Humanities, and hosts one of only three NCCA-institutionalized writing workshops, the Iligan National Writers Workshop.

With resident cultural groups garnering applause in the international arena, today, MSU-IIT's leadership in performance studies and practice in the Philippines (recognized by the NCCA as a leader in cultural education in Southern Philippines) cannot be denied, seen in our active membership in the Boards of Directors of highly prestigious and renowned culture & arts organizations, such as the UNESCO International Theatre Institute, Asia Pacific Bureau of Theatre Schools, and the Asian League of Institute of Arts.

As envisioned in Agenda Point 4: Internationally Competitive ICT Center in Mindanao, MSU-IIT's Information and Communications Technology infrastructure grew steadily in the last five years, to support, today, an overall robust IT environment.

The software systems and applications in use in the campus today simplify, among other things, the management of documents (IIT Docs), the management of finances (Financial Data Warehouse & Visualization System) and even the management of the human lines formed during enrolment (Payment Priority Queuing System)- promoting efficiency, visibility, and, more importantly, transparency.

In recognition of our expertise and initiatives in the use of the Google Suite of Services, the Institute has also been dubbed the most successful Google deployment school in the Philippines.

The administration of all of these programs and processes in the Institute requires a participative, accountable, transparent and predictable management (Agenda Point 5).

In the last five years, we have created new offices to cater to newer needs brought about by our changing physical and educational landscape. We

have authored various policies and guidelines for the implementation of many programs across the MSU System, including the shift in the academic calendar, and schemes for certain personnel support, as well as for awards and incentives.

To ensure quality throughout all of the Institute's processes and services, we have fully implemented the Strategic Performance Management System (SPMS), and the application for ISO Certification.

Our growth in all these areas entails providing the physical space and facilities for them. Thus, in the last five years, MSU-IIT paid persistent attention to its infrastructure, which has resulted today to the construction of the following: (see images above)

Closing the six-point agenda of the five-year period is competent and ethical leadership, assessed by the Evaluation Board with an outstanding rating of 9.0, and resulting in the instatement of the Chancellor for a second and final five-year term.

In the next five years, and with our eyes set on our goals, we shall be guided by a different agenda wheel:



Office of the Campus Secretary

JAMAIL A. KAMLIAN, PhD
Chief of Staff and Acting Campus Secretary

The Office of the Campus Secretary (OCS) oversees the preparation of the Institute's agenda items for the quarterly meetings of the Board of Regents. Agenda preparation entails the meticulous description of each agenda item, as well as ensuring that all of its documentary attachments are complete. The OCS reproduces several copies of the bound items, for perusal and reference of each of the members of the Board.

In 2016, however, the OCS fully complied with the system-wide initiative of automating the submission of agenda items.

For the year, the OCS prepared a total of eighty-four (84) agenda items for the BOR. Of these, two have been deferred, while all the rest have been approved.

Included in this set of agenda items that have been approved are the promotion, regularization and tenure of Institute faculty members and administrative personnel. Final ranks have also been granted to thirty-two new faculty recruits.

Agenda Items	Number
Faculty Promotion (Associate Professor and up)	13
Faculty Promotion (Assistant Professor and up)	22
Promotion (Administrative Personnel)	1
Regularization (Administrative Personnel)	13
Tenure (Faculty)	5
Final Ranks (Faculty)	32

Highlights of this year's BOR approvals include the establishment of the MSU-IIT Culture and Arts Studies Center (BOR Res. No. 19, Series of 2016).

The CulArts-C envisions to expand the concerns around Culture and Arts studies from mere formal instruction and exploration into the realms of production, training, dissemination, linkages and research. The CulArts-C may be seen as the social science equivalent of PRISM.

The Establishment of the MSU-IIT Endowment Fund (MIEF) has also been approved by the Board. The Endowment Fund's mission is to provide a stable and sustained financial support to MSU-IIT's programs and projects by generating funds from alumni and other stakeholders' support.

The Amendment to the Integrated Scheme for Ranking and Promotion has also been approved this year. The revision in the provision for Full Professorship now allows the System to offer a competitive rank assignment and compensation scheme for its new recruits, particularly those holding doctorate degrees. Alongside this, MSU-IIT authored the Implementation of Certain Awards and Incentives under the CSC PRAISE. This granted authority to MSU-IIT to give awards to its exemplary employees—the 2016 PRAISE Awardees.

The OCS has made the initiative of archiving the minutes of the BOR meetings in an online archiving system. This archiving system now hosts almost 2000 items, composing of minutes, scanned annexes and attachments from 113 BOR Meetings (102 regular meetings and 11 special meetings). Having begun the project in June 2016, the OCS has now been able to upload tagged and scanned items (approved IIT matters and system-wide policies, rules and guidelines) from as far back as 1988.

Office of Publication and Information

CHRISTINE F. GODINEZ-ORTEGA, DFA
Acting Director

The Office of Publication and Information (OPI) under the Office of the Chancellor (OC) which was established in 2015 had a full calendar of activities this year.

It conducted three Training Workshops in Journalism for the Institute faculty and staff, conducted the 23rd Iligan National Writers Workshop, the Taboan Annual Literary Festival, and held the second Panel Interview of the new batch of Campus Ambassadors.

Aside from this, the OPI published 12 issues of the Official Institute Publication Gazette, put out the June and December issues of the Official Institute journal Mindanao Forum.

The OPI also spearheaded the invitations and receptions of guests during the Mid-year Graduation in January 2016 with the Gawad Kalinga (GK) Community Development Founder Antonio Meloto as Guest Speaker, the June 2016 Commencement Exercises with Supreme Court Associate Justice Antonio T. Carpio as Guest Speaker, and the Representative of Iligan City's lone district, Frederick Siao as the guest speaker during the 48th Charter Day celebration on July 12, 2016.

The training workshops in Journalism for the Institute for selected faculty and staff were conducted to enhance their training in writing to publish better written stories in the respective webpages of the various schools and colleges.

Of course, the OPI continued to post and manage what are published in the Institute's Official Webpage and Official Facebook page with over 38,000 followers.

Twelve issues of the Official Institute Publication were published and distributed to all constituents as well as guests of the Institute. The Gazette earned praise for its quality of articles and photos. Dr. Victorio N. Sugbo, a writer and a Communications expert said in part that it "is one of the well edited university publications in the Philippines. It stands out among the university publications in the country due to its classy but hip layout and reportage. In fact, it is so designed to impress not only its immediate community but also the bigger public from other institutions. It functions thus as a press relations vehicle for the university, and the MSU-IIT needs this in order to make its activities known and harness cooperation from various sectors of the public".

By virtue of the OPI Acting Director's having been elected as the Head of the National Commission for Culture and Arts (NCCA) and Secretary of the NCCA Sub Commission on the Arts and former President, now Board Member of the Mindanao Creative Writers Group, Inc. , Dr. Christine F. Godinez Ortega organized the 23rd Iligan National Writers Workshop (INWW) in late May this year.

The INWW is one of the country's five institutionalized writers workshops by the NCCA along with the University of the Philippines, Silliman University, De La Salle University and Ateneo de Manila University. Its roster of writing fellows and panelists read like a who's who in Philippine Letters. By far, it is the only writers workshop that accepts literary submissions in the

various local languages apart from those written in English and in Filipino to be dubbed the only truly national writers workshop in the country.

The INWW proceedings published each year by the MSU-IIT is the only one of its kind, and has been the source of researches, and theses by graduate students doing literary research.

Godinez Ortega likewise organized the Taboan, Annual Literary Festival for Mindanao held at the Central Mindanao University (CMU) in Musuan, Bukidnon. This festival showcased the colorful and diverse literatures of Mindanao through songs, dances, poetry readings, literary and visual arts competitions, book exhibits and performances by the IPAG of the poetry by Southern poets.

In December 2016, the OPI once more organized the performances showing off the literatures of Mindanao during the Performatura at the Cultural Center of the Philippines (CCP). Lectures on the Maranao epic Darangen by Godinez Ortega and the histories of the Higaunon and other tribes of Mindanao by Dr. Cecilia Tangian of the History Department, the performances of Suga Tula by the IPAG and the Kalilang Music ensemble as well as Godinez Ortega's participation in the Inquirer Read Along Series drew crowds at the CCP.

The representations at the CCP of the Institute's cultural troupes made the NCCA and Living Asia Channel feature these groups once more during the year.

Another feat that the OPI was party of was the organization of a group of exceptionally articulate and bright MSU-IIT students as Campus Ambassadors. The brainchild of Chancellor Sukarno D. Tanggol and Godinez Ortega, the CA is patterned after the CA of Silliman University. The corps of Campus Ambassadors underwent trainings in personality development and leadership to prepare them to meet and tour guests of the Institute.

This year, the OPI Acting Head and its Official Photographer received awards. The Acting Director received the Paz Marquez Benitez Award for her lifetime achievement in literary education from the Unyon ng Mga Manunulat ng Pilipinas (UMPIL) at the Ateneo de Manila University, Metro Manila and the Asia CMO 2016 award for Leadership in [Literary] Education given at the Marina Square, Singapore.

The OPI Official Photographer Mark Jezreel T. Orbe on the other hand, won the contest to design the logo of the Institute's premier research building, the PRISM.



Institute for Peace and Development in Mindanao

MARK ANTHONY J. TORRES, PhD
Officer-in-Charge

With funding support from the German Development Cooperation, the IPDM is able to provide spaces for dialogue for people to talk about issues pertaining to the Bangsamoro Peace Agenda. These activities were done not only to increase awareness about the GPH-MILF Peace Process, but also to gain appreciation of non-violent approaches to conflict transformation.

Highlights of this year's GIZ-funded activities includes the all-leaders summit on "Consensus-Building on Transitions, Contingencies and Prospects for the Bangsamoro". This aimed to bring together distinguished leaders from the academe, business, media, local government, grassroots, security sector, civil society, women, religious and youth in order to develop a consensus on the outstanding issues on the BBL and come up with a unified plan of action to convince the political leaders in Congress to pass a law that is consistent with the provisions of the peace agreement. Secondly, the Summit also aimed to develop a contingency plan to prepare communities in the event that the BBL will not be passed.

Other tracks in peace education have also been actively pursued by the IPDM. These refer to healing and reconciliation, which are the subjects of the forum for 150 participants, entitled "Forum on Sustaining the Gains of the GPH-MILF Peace

Process: Conversation on Normalization, Healing and Reconciliation”.

The IPDM also hosted the very well-attended Mindanao Peace for Reel: IPDM Peace Music Video & Short Film Festival. Held in January, the Festival was attended by a total of 935 guests.

IPDM’s hosting of Listening Sessions, a set of very vital activities in the peace process, entails the continued training of facilitators and volunteers who shall conduct these activities. In the second quarter, the IPDM hosted such a session for decommissioned MILF combatants.

Aside from its invaluable leadership in peace education and dialogues for peace in Mindanao, the IPDM also takes an active role in environmental awareness campaigns. In April, the IPDM hosted a dialogue series to address the concerns of the people on the possible environmental and health consequences of putting up the 540MW coal-fired power plant in Kauswagan, Lanao del Norte. This was attended by 200 participants.

Likewise, the IPDM spearheads awareness campaigns on the rights of vulnerable sectors, such as children. Such a forum was conducted in the second quarter of 2016 in Mandulog.

The IPDM’s key role in the center of the peace talks in Mindanao is ultimately seen in the official launching of Kilusang Pagbabago, whose aim was to transform the Duterte campaign machinery into an informed and consultative campaign. The launching, attended by 7000 participants was also a ceremonial turnover of results of the various consultations conducted in the grassroots communities all over Region X.

These results are figured in into the creation of a new roadmap which shall be pursued by the current Philippine Administration. A forum for this purpose was also hosted by the IPDM in December, in keeping with its key role in the peace conversations in Mindanao.

Information and Communication Technology Center

DANTE D. DINAWANAO, MS
Director

The Information and Communication Technology Center - Computer Facilities and Support Services (ICTC-CFSS) is committed to develop and deploy cost-effective and sustainable solutions and services that will form part of the ICT infrastructure and systems, addressing the Institute’s increasing dependency on Information Technology (IT) as it fulfills its mission of fostering academic excellence, knowledge discoveries, and innovations. On the other hand, the Information and Communication Technology Center - Office for Client Services (ICTC-OCS) is committed to commercialize and promote the products and services of the ICT Center to potential customers, along with strengthening the protection of the Institute’s intellectual property rights over them.

This year, the ICTC-CFSS continues to strengthen MSU-IIT’s IT capability through its acquisition of additional hardware, development of new software applications, and increase in Internet bandwidth; while the ICTC-OCS fulfills its mandate by engaging in income-generating projects, being a Google Apps Supporting Programs (GASP) partner and a solutions provider to other higher education institutions.

I. Hardware

With the increasing demand for connectivity from the different units in the Institute, the ICTC-CFSS has acquired the following devices to expand the capacity of the IIT campus network (IITNet).

AREA	Description of Upgrade
Campus Network	Added 1 unit of Cisco 3850X 10G L3 Switch (as campus network core switch)
Wi-Fi Coverage	Added 8 units of Cisco AIR-CAP 1702i, Cisco Controller Based Wireless AP (in various locations on campus)
Wireless Connectivity	Initiated the procurement of wireless connectivity devices to link the graduate dormitory, the Institute for Peace and Development in Mindanao building, and the MSU-IIT property at Hinaplanon

II. Software

And to support the day-to-day operations of the Institute, the ICTC-CFSS software applications development group continues to innovate through the development and maintenance of the following systems.

Application / System	Module / Subsystem / Features	Description
MSU-IIT Corporate Website	Web pages	Added the Center of Innovation & Technopreneurship (CIT) and FabLab Mindanao web pages
	Content Management System (CMS) <i>A web-based facility for putting content (i.e., news, events, announcements, job posts) into the MSU-IIT corporate website</i>	Created with the functionality to allow authorized users to: (1) post and (2) edit news, events, announcements, and job hiring in the MSU-IIT corporate website
My.IIT Portal	Web Design	Developed and deployed a new version of the My.IIT portal that follows the responsive web design approach
	SMS Blast	Added functionality to allow authorized offices to send text messages (SMS) to groups of students (e.g., scholars, all students of a particular college, etc.)

Application / System	Module / Subsystem / Features	Description
	Class Attendance	<p>Added functionality to allow students to view their attendance record per subject</p> <p>Added functionality to allow faculty to view their class attendance summary per subject</p> <p>Added visualizations for both student and faculty attendance views</p> <p>Added functionality to let the students receive text messages (SMS) whenever they are marked as 'absent' in their classes</p>
	Payment Priority Queuing System (PPQS)	<p>Created with the functionalities to:</p> <p>(1) allow students to get their priority numbers via My.IIT; (2) allow the students to view the current priority numbers being served at the cashier's office; and (3) allow students to receive text messages (SMS) a few minutes before their numbers will be called at the cashier's office</p>
	COR Printing	<p>Added functionality for students to do self-service printing of their Certificate of Registration (COR)</p>
	Class List SMS Messaging	<p>Added functionality for faculty to send text messages (SMS) to individual students in their classes</p>
	Class Advisees SMS Messaging	<p>Added functionality for class advisers to send text messages (SMS) to their individual advisees</p>
	Faculty Deloading Monitor	<p>Added functionality for faculty to monitor their class deloading</p>

Application / System	Module / Subsystem / Features	Description
	Student Evaluation of Grades	<p>Added bar graph visualization of grade distribution</p> <p>Added line graph visualization of GPA per semester</p> <p>Added line graph visualization of Cumulative GPA per semester</p> <p>Added single stacked bar graph for grade distribution</p>
	Faculty Incomplete (INC) Grade Monitor	Added single stacked bar graph visualisation in the faculty INC Grade Monitor
	Property Accountability Receipt (PAR) / Inventory Custodian Slip (ICS) Monitor	Added functionality where employees can view and manage their Property Accountability Receipt (PAR) / Inventory Custodian Slip (ICS) of all Institute properties in their custody - works in conjunction with the EIS of the SPMD
	COA Notices Monitor	Added functionality where employees can view all the notices (i.e., disallowances, suspension, and final decisions) issued to them by the COA
Financial Data Warehouse	Visualization Application	<p>Added functionality to include, exclude, or specifically display trust or continuing funds</p> <p>Added functionality to segregate paid and unpaid obligations</p> <p>Added new visualizations of monthly and quarterly disbursement versus utilization</p> <p>Added new visualizations to denote breakdown of internal budget and allotment</p> <p>Improved its security by attaching scope parameters to requests to the API</p> <p>Integrated My.IIT's Single Sign-On (SSO) service for user authentication</p> <p>Added a feedback facility to solicit bug reporting from users</p> <p>Added an error page for unauthorized access</p>

Application / System	Module / Subsystem / Features	Description
	Warehouse API Service	Made improvement to the authorization page
MSU-IIT OAuth Service <i>This is MSU-IIT's own open standard-based authorization service for its web applications</i>		<p>Deployed an existing OAuth service library and customized it to improve its OAuth functionalities, enabling queries for the client application details and scope requested</p> <p>Integrated My.IIT's Single Sign-On (SSO) service for user authentication</p>
Human Resource Information System (HRIS)	Recruitment, Selection, and Placement (RSP)	<p>Created the RSP module</p> <p>Added a query facility to search for talent by educational attainment</p>
	Payroll	<p>Revised Remittance and Saved Remittance modules for Pag-ibig, implementing the new format</p> <p>Revised Basic Payroll printout based on the GAM format</p>
Electronic NGAS-based Accounting System (e.NbAS)		<p>Added a new module for BIR report</p> <p>Added a module to change group of account codes for BIR and Cash Advances Report</p> <p>Implemented the GAM reporting format</p>
Integrated Developmental School (IDS) Academic Information System <i>A web-based application that lets an authorized IDS staff to assign teachers to subjects and allows teachers to enter the grades of their students</i>		Developed and deployed

Application / System	Module / Subsystem / Features	Description
<p>Library Access Log</p> <p><i>A web-based facility where students can do self-service login every time they use the different library units on campus</i></p>		<p>Created with the functionalities to: (1) let the students log in each time they use any of the library units on campus; (2) get a view of the students who used each of the library units; (3) manage the list of library units (i.e., add/edit/delete); (4) generate usage statistics; and (5) operate in off-line mode</p>
<p>MSU-IIT Docs</p> <p><i>A newly created document archiving / repository service to replace the old KnowledgeTree Document Management System</i></p>		<p>Created with the functionalities to: (1) search; (2) preview; and (3) download files stored in the Institute's public document repository in Google Drive</p> <p>Added functionality to scroll through results via tokenized pagination in new table plugin</p>
<p>Campus Access Log</p> <p><i>A web-based facility for logging campus visitors</i></p>		<p>Created with the functionalities to: (1) add or edit visitors information and the offices or employees they are visiting; (2) check out visitors; (3) view all visitors on campus and the offices or employees they are visiting; (4) let an admin user to add new users who will have access to the system</p>

III. SMS Gateway and Internet Connectivity

Also, My.IIT's SMS Blast has become so popular that many offices are now using it to send SMS notifications to students, in addition to the different subsystems of My.IIT that rely on it. With this, ICTC-CFSS has acquired two (2) additional text-only mobile subscriptions from Globe and SMART, increasing My.IIT's SMS Blast SMS gateway capacity, from two (2) SIM cards to four (4). On the other hand, to keep up with the increasing demand as more and more students and faculty rely on the Internet as a learning resource, the ICTC-CFSS has acquired additional bandwidth. From 50 Mbps (burstable up to 100 Mbps), the MSU-IIT's Internet connection bandwidth for its primary link from PLDT iGate is now upgraded to 100 Mbps (burstable up to 200 Mbps), while the bandwidth for its secondary (backup/redundancy) link via Globe is maintained at 40 Mbps.

IV. Resource Generation and Other Projects

In the area of resource generation, MSU-IIT, through the ICTC-OCS, has been a Google Apps Supporting Programs (GASP) partner and an IT solutions provider to other SUCs. This year, MSU-IIT has engaged three (3) schools (see table blow) for its e.SMS solution and Google Apps installation, training, and deployment. MSU-IIT has also entered (in 2015) into an infrastructure collaboration agreement (ICA) with Google after it has been chosen by the technology giant to participate in the infrastructure co-investment project. With this agreement, MSU-IIT has purchased (and later reimbursed by Google [see table blow]) additional hardware and software, which included a mid-range computer server, a networked-attached storage, a virtual wireless LAN controller, and several enterprise-grade wireless access points.

Project	Type	School	Date of Payment	Amount
Electronic School Management System (e.SMS)	IGP	Southern Philippines Agri-Business and Marine and Aquatic School of Technology (SPAMAST) - Digos and Malita Campuses	Jan 4, 2016	PHP 447,500.00 (Partial Payment)
		Mindanao State University - Sulu Campus	Jan 12, 2016	PHP 150,000.00 (Partial Payment)
Google Apps Supporting Programs (GASP) engagement	IGP	Samar State University (Paid for by Google PH)	Feb 1, 2016 (Date deposited to MSU-IIT's LBP account)	USD 5,296.20 / PHP 251,039.14 (Full payment; issued with MSU-IIT OR# 566044, dated 09/08/2016)
Google - MSU-IIT Infrastructure Co-Investment Project	Reimbursement / Donation	Samar State University (Paid for by Google PH)	May 23, 2016 (Date deposited to MSU-IIT's LBP account)	USD 32,141.63 / PHP 1,749,714.56 (Exclusive of VAT)

V. Budget Utilization

Lastly, the internal budget utilization for the ICTC CFSS and OCS is presented in the following tables.

Fund	Allotment	Obligation	Balance	% Utilization
01	4,632,372.00	4,071,690.21	560,681.79	88%
05 - Regular	32,400.00	31,800.00	600.00	98%
05 - Fiduciary	2,436,552.00	1,238,524.40	1,198,027.60	51%

Fund	Allotment	Obligation	Balance	% Utilization
01	149,500.00	115,271.00	34,229.00	77%
05 - Regular	302,200.00	290,340.00	11,860.00	96%

Office of Alumni Relations and Placement

ALQUINE ROY F. TACULIN, MSCS
Director

Following a very active collection of alumni data in the past year, the Office of Alumni Relations and Placement (OARP) supplemented its efforts with an online drive this year, with the instatement of Prof. Alquin Taculin as Head.

The survey areas have been expanded, and included key areas such as the Cavite economic zone, the Makati business district, Cebu City, Davao City, Aurora in Zamboanga del Sur, Ramon Magsaysay in Zamboanga del Sur and Gingoog in Misamis Oriental. The survey visits yielded very good results, leading to the completion of the production of the Alumni Directory.

This Alumni Directory contains the employment details of MSU-IIT alumni, including those who are currently employed in the Institute.

The Alumni Directory is supplemented by an Online Alumni Database, with an online platform for alumni registry, where MSU-IIT alumni themselves can access and input their details online. This registry is created with an enhanced data capture which allows for more specific answers, including in the accounting for the lack of employment. The software facility hastens alumni record retrieval and alumni report submission. This improved data collection and retrieval allows any office staff member of the OARP to generate data and the analysis of such.

More importantly, the Office has initiated an alternative interactive placement software facility. When completed, this will be of invaluable help to alumni seeking job placement and to those looking for talent and resources.

This massive online supplement to physical data collection continued throughout 2016, and has seen the Office incorporating digital strategies in order to increase visibility. This entailed office rebranding, including the creation of a visual identity (a new logo) with which the alumni may better identify themselves as members of the Institute stakeholders.

The MSU-IIT Alumni, as a group, may now be seen readily in social media and other digital platforms. In 2016, the Office has started to send birthday greetings to the alumni through their email addresses. Important updates and links to the Institute website and the Gazette are also sent out.

This drive is seen to be of utmost importance since the Office has also taken the direction of overseeing alumni funding and support. At the close of 2016, the BOR has approved the creation of the MSU-IIT Endowment Fund, which is envisioned to optimize alumni support for Institute projects and programs.

Internal Audit Service Unit

SAIDA D. CABUGATAN, CPA
Head

The Internal Audit Service Unit monitors the Institute's internal controls and ensures the conduct of continual management improvement, which are within the responsibility of operating units.

In 2016, the Office has been able to conduct several significant queries, all of which have been done promptly and satisfactorily. Likewise, the IASU has also conducted Audit Reviews on different activities in the campus. These include:

- Audit Review of the Payroll Deduction Remittances;
- Audit on Monitoring Implementation of Prior Year's Audit partially completed;
- Audit Review Inventory of Positions with corresponding entitlement of de-loading and leave credits availment;
- Review on the collection performed by ICTC-OCS (i.e. ID fees);

Moreover, towards the end of the end of the year, the IASU also successfully conducted a Cash Examination Audit, as well as the audit on Personnel Action of Casual Employees' Reclassification/Upgrading/Reappointment and Reemployment. In addition, an investigation on the PALAKASAN Cultural Song and Dance incident that occurred at the MSU-IIT Gymnasium is currently being done.

To continually provide this service to the Institute, the IASU personnel are sent out for continued professional growth and development. Conventions, such as the annual PICPA, have been attended by the IASU head. The equally prestigious GACPA and AGIA Conventions have also been attended by IASU personnel.

Five different seminars and trainings have been assigned to and were attended by different IASU personnel, namely, implementation of the use of GAM for NGAs; Fraud Awareness, Detection and Prevention; Guiding Principles on Management of Government funds and Properties; Effective Audit Report Writing; COA Rules and Regulations on Settlement of Accounts (RRSA) and the Revised Rules on Procedures of COA (RRPC).

The skills and knowledge from these seminars have been applied by the IASU personnel in the performance of their duties throughout the year.

Budget Management Office

AKIMA M. BANGCOLA, CPA
Acting Head

The Budget is the financial translation of the Institute's targets in consideration of its approved projects, activities, and projects as of the year. In essence, it reflects the work plan of the Institute. Corollarily, the optimum utilization of the budget shows the achievement of the targets. Hence, the Budget Management Office exerts effort to assist the Institute management and the various responsibility centers in achieving their targets and in ensuring optimum utilization.

The BMO has instituted several reform movements, which include (1) early procurement process, which entails the commencement of procurement activities upon submission of the Proposed Budget, and the awarding of contracts and the implementation of projects at the start of the calendar year, (2) the execution of changes on the Government Accounting Manual, (3) the creation of budget registries, (4) the preparation of Statement of Comparison of Budget and Actual Amounts, and (5) the preparation of the Realignment Advice Form.

For CY 2016, the Institute operated with a total budget of PhP 992,184,391.63 consisting of funds for the current year alone. Of this amount, 92% is from Fund 01 (GAA) which is the subsidy given by the government. The remaining 8% represents the total collections that are generated for 2016.

In addition, a total of PhP 169,527,817.85 was allotted as continuing allotment. Seventy-five percent (75%) of this sum is from Fund 05 (Income) and fifteen percent (15%) is from Fund 01 (GAA). This sum represents the unutilized balances of last year's appropriation, but which had to be continued this year because the projects/ activities/ programs attached thereto have not been completed by the close of last year. The same is yet to be completed this year.

The unobligated 30% capital outlay allotment is a repercussion of the unsuccessful proposal to realign some items in the capital outlay during the first semester of the year; and the extended procurement process of the laboratory equipment due to the unresponsiveness of the suppliers' offers vis-a-vis the technical specifications required.

PS utilization is 99%, MOOE has 80% utilization, and Capital Outlay has 70% utilization. The 20% unobligated allotment of MOOE is expected because of the nature of MOOE accounts that extend beyond the current year. In the graph given amount, the remaining balances in MOOE are composed mostly of accounts that remain transactions-in-progress because of procurement/ validation issues, or problems regarding unbilled

or deferred implementation as of December 31, 2016. There are also some MOOE items that got affected by the calendar shift in the academic year just like the scholarship expenses, accreditation expenses, other professional fees and lecturer's pay. Repairs and maintenance expenses and GAD activities have deferred implementation and need to be continued in 2017.

It can also be seen that the utilization of the continuing appropriation is quite fast. The graphs show that 35% of the continuing appropriation in Fund 01 was utilized and 48% in Fund 05 was also utilized.

Bids and Awards Committee

ELMER G. BORLING
Head (BAC Secretariat)

The procurement of goods and infrastructure of the Institute is handled by the Bids and Awards Committee (BAC), headed by Atty. Edgar Alan Donasco. The members of the BAC are Dr. Edward L. Banawa, Dr. Evelyn C. Creencia, Dr. Franco G. Teves, Dr. Musacala S. Ampaso and Dr. Rhodora S.N. Englis, who was replaced by Ms. Akima M. Bangcola in the third quarter of the year, following the approval of her sabbatical leave.

The BAC Secretariat Office assist the members of the BAC in the preparation of all the documents needed in the procurement, especially for public bidding. The partnership of BAC and BAC Sec is devoted to providing a competitive bidding for the benefit of the Institute.

This year, a total of 112 items were posted at Philippine Government Electronic Procurement System (PhilGeps), the MSU-IIT Website and other conspicuous areas in the Institute. This includes the procurement of Insurance Service for the students and the supply of rice distributed in December to the faculty and staff.

Among the Institute's major projects of 2016 that were approved by the Board of Regents (BOR) for awarding in their December 2016 meeting are: (a) Supply of Labor, Supplies and Equipment for Janitorial Service for Maintenance of MSU-IIT Facilities for the period April 1, 2017 to December 31, 2019, (b) Supply of Security Service for the period of April 1, 2017 to December 31, 2019, (c) Supply of Labor and Materials in the Proposed Completion of the Graduate School Dormitory, (d) Improvement of the COE old building, (e) Design and Build for Micel Building, and (f) COE Completion Works, Left Wing.

The BAC Sec works in close collaboration with the Procurement Services Division (PSD).

The BAC Sec oversees the preparation of the Abstract of Bids, which this year, totalled to two thousand two hundred and fourteen (2,214). Almost 70% of the procurement were for meals and snacks, 20% for repair and maintenance and 10% for office supplies.

While the BAC and the BAC Sec recognize prompt delivery of procurement requests as imperative, they also advise the cost centers to be mindful of their schedules of requests. Information drives are now being overseen by the BAC Sec to educate requesters about the process of procurement. These are seen to decongest the line of urgent requests.

MSU-IIT Liaison Office

CHRISTY G. DEQUIT
Officer-in-Charge

The primary goal of MILO is to help the Institute remain visible as a major player and partner of the government in the attainment of the national goals along education, and peace and development. As the Institute's liaison office in Metro Manila, the MILO represents the Institute in meetings and other appointments where the Chancellor and the Vice Chancellors could not be physically present. It also coordinates with Institute officials in the setting up of appointments with representatives of other private and public organizations and institutions, with which the Institute has linkages.

The Office also staffs the Chancellor and other Institute officials during their travel on official business to Manila. Likewise, the MILO provides administrative support services to Institute faculty and staff members, and students who are on official Institute business upon prior arrangement.

As the information center of MSU-IIT outside of the campus, the MILO obtains for and disseminates to MSU-IIT national guidelines, circulars, memoranda, bills and documents relevant to the operation of the Institute. The Office also assists in the exploration of Institute-related linkages, scholarship grants, conferences and seminars, and disseminates the corresponding communications to appropriate Institute offices or departments.

Legal Services Office

KIM MARI S. UY, LLB
Officer-in-Charge

One of the office mandates of the Legal Services Office is to prepare and review Memorandums of Agreement (MOAs), Memorandums of Understanding (MOUs), and other contracts between the Institute and other institutions and organizations. It also assists the Legal Officer in handling cases in order to protect the interests of the Institute.

The Office monitors the status of pending cases of reneging fellows, and secures the payment of monetary equivalents of these fellows' scholarship grants. In 2016, the Legal Services Office actively facilitated the collection from reneging fellows.



Office of the Vice Chancellor for Academic Affairs

EDGAR W. IGNACIO, PhD
Vice Chancellor

The Office of the Vice Chancellor for Academic Affairs (OVCAA) continues its advocacy of sustaining academic excellence in the Institute, and thus, spearheads the Institute Strategic Policy Summit in 2016. The confluence paved the way in addressing issues and concerns in seven highly inter-related areas:

Academic Program
Faculty
Students
Research and Extension
Facilities and Student Support Services
Governance and Resource Generation
Human Resource Matters and Quality Assurance

It successfully concretized strategies and policy recommendations that do not only actualize the K+12 requirements and OBE standards, but are also entrancing to ASEAN neighbors.

The one day pre-summit and three-day summit united the Semi-Academic and Academic Units in their commitment to COLLABORATE and CONSTRUCT a strong culture of Research and Extension in the Institute. They further commit to continually subject its programs and services to quality assurance mechanisms for effectiveness and efficiency. They have decided to keep a balance between teaching and research in most, if not all, of the offered programs. Likewise, they agreed to cultivate a Research-conducive environment for scholars and students; an avenue for new knowledge discovery that will spur growth in the region and enhance the quality of life.



Cognizant of the need for effective OBE implementation in the Institute, the Vice Chancellor for Academic Affairs (VCAA), Dr. Edgar W. Ignacio, initiated a reecho of Dr. William G. Spady's (International father of OBE) lecture during the 1st OBE International Conference in Asia. He visited every college of the Institute and shared to the faculty workforce the OBE's paradigm, including its cutting-edge models and practices. Specifically the transformational power, purpose and promise of OBE. The lecture aims to fit the faculty's paradigm with that of OBE's. He ended his lecture with a challenge to each Academic Unit, as he shared CHED's Roadmap for SUCs and the Philippine's Educational status as compared with the other ASEAN member states.

It is not only the Academic Units that the VCAA visited, but also the Semi-Academic Units of the OVCAA cluster. Dr. Ignacio set different appointments and went on a meeting with them in their individual offices. The heads and staff of each office presented their accomplishments and short-term/long-term plans for 2017 to 2020. Their blueprints are berthed in positioning MSU-IIT as a Research University.

Equally important is the continued support of the OVCAA in its 395 Expanded Student's Grant in Aid Program for Poverty Alleviation (ESGP-PA) grantees. Aside from the free tuition and allowances, the ESGP-PA Project Management Team sustained its Weekend Enhancement Program, which aims at enhancing the students' social, emotional, and ethical competencies. The students were trained to become effective professionals in the future, equipped with clear goals, profound self-esteem, and good financial habits; coupled with the value of perseverance and hard-work. Most of these Saturday interventions are anchored in Dr. Alma G. Maranda, et. al, research on ESGP-PA grantees' needs. Hence, with the help of these interventions, an increase in the number of Dean's listers (DLs) is observed, as there are 180 DLs counted in the 1st semester of AY 2016-2017.

The office, likewise, supported the College of Engineering (COE) in its bid to have their programs recognized by CHED as Centers of Excellence (COE) and Centers of Development (COD). By virtue of CMO No. 15 s. 2016, CHED granted COE status to two programs (Mechanical Engineering and Electronics Engineering), COD status to two programs (Metallurgical Engineering and Electrical Engineering), and renewed COD status to Civil Engineering program. Further, the COD status of Teacher Education has been renewed, per CMO No. 17 s. 2016.

Remarkably, MSU-IIT is a Delivering Higher Education Institution (DHEI) to thirty-nine (39) Graduate programs; twenty-seven (27) of which are Master's programs and twelve (12) are Doctorate programs, per CMO numbers 8 and 23, s. 2016. There are 53 PhDs and 40 MA/MS CHED K+12 Funded Scholars enrolled in these programs. In the same note, the Institute is also a Sending HEI to 11 PhDs and 7 MA/MS CHED K+12 Funded Scholars.

OVCAA supports the vision of MSU-IIT to become a Research University; hence, commits to lead the Institute through academic excellence.

List of Successful Examinees who Garnered the ten (10) Highest Places for the 2016 Licensure Examinations		
Licensure Examination	Name	Rank
Nursing Licensure Exam (2016)	Jubelle May Abarquez Sipalay	7th
Metallurgical Engineering Licensure Exam	Aliza Marie Padilla Salces	1st
	Jeraldine Pasaol Lastam	2nd
	Maryrose Joy Torres Aparece	3rd
	Mark Ian Ledesna Nuñez	4th
	Maria Theresa Reserva Raganas	6th
	Stephen John Jamora Sanchez	9th
	Artric Jeano Valde Morilla	10th
Teacher - Secondary (September)	Janeth Gapol Canama	9th
	Gemma Galvez Lucañas	10th
Chemical Engineer Licensure Exam	Crestore Lex Tapia Capiña	5th

2016 PRC Licensure Examinations Performance					
Program Name	Date of Examination	Total No. of Takers incl. Retakers (SUC)	Total No. of Passers incl. Retakers (SUC)	MSU-IIT's Passing Rate (%)	National Passing Rate (%)
Electrical Engineering Licensure Exam	April 2016	2	2	100	41.29
Master Electrician Licensure Exam	April 2016	20	15	75.00	56.04
Metallurgical Engineering Licensure Exam	April 2016	19	7	36.84	43.24
Electronics Engineering Licensure Exam	April 2016	20	13	65.00	36.95
Electronics Technician Licensure Exam	April 2016	12	11	91.67	82.36
Mechanical Engineering Licensure Exam	April 2016	5	4	80.00	55.32
Teacher - Elementary	March 2016	14	5	35.71	28.39
Teacher - Secondary	March 2016	199	112	52.28	35.43
Chemical Engineer Licensure Exam	May 2016	14	9	64.29	41.29%
Civil Engineer Licensure Exam	May 2016	19	11	57.89	38.17
Certified Public Accountant Licensure Exam	May 2016	17	12	35.71	28.39
Nursing Licensure Exam	June 2016	4	4	100	43.60
Psychometrician	August 2016	29	20	68.97	50.46
Electrical Engineer	September 2016	20	20	100	68.46
Master Electrician	September 2016	23	17	73.91	68.08
Mechanical Engineer Licensure Exam	September 2016	1	1	100	69.57
Chemistry	October 2016	39	24	61.54	54.86
Teacher - Elementary (taken on Sept)	September 2016	63	53	84.13	30.18
Teacher - Secondary (taken on Sept)	September 2016	384	224	58.33	33.78
Metallurgical Engineer Licensure Exam	October 2016	46	35	76.09	81.69
Electronics Engineer Licensure Exam	October 2016	10	6	60.00	40.36
Electronics Technician Licensure Exam	October 2016	7	7	100	74.74
Certified Public Accountant Licensure Exam	October 2016	51	36	70.59	36.48
Chemical Engineer Licensure Exam	November 2016	43	22	64.71	58.17
Civil Engineer Licensure Exam	November 2016	42	30	71.43	45.90
Nursing Licensure Exam	November 2016	74	72	97.30	47.73

Office of the Institute Registrar

JERSON N. OREJUDOS, PhD
Acting Institute Registrar

The Office of the Institute Registrar, in its commitment to march exemplary service to its client, made significant initiatives in revising forms and evaluation sheets to expedite transactions. In fact, in December, Form 7: Application for Advance Credit was updated. A faculty evaluator was added in the Form to ensure that the course for advance credit has been properly scrutinized by an authorized faculty member.

Consequently, on the same month, a proposal to enhance student evaluation sheets was submitted to the top management. The proposal, among others, will automate entry of grades in the evaluation sheets based on the template of each program. As such, man-hours spent for the preparation will be reduced drastically and errors due to manual entry will ultimately be avoided. The same proposal has been deliberated by the Deans in one of their meetings. The office is positive that such proposal will be implemented in the Institute Council Meeting in March, 2017.

The office has, likewise, finalized the Academic Calendar for the Academic Year (AY) 2016-2017, after the deliberation and approval of the Academic Planning Committee (APC) and upon further sanction of the Board of Regents (BOR) in its 234th Meeting. Thus, the office was able to disseminate the enlistment flowchart approximately three months earlier than the scheduled enlistment

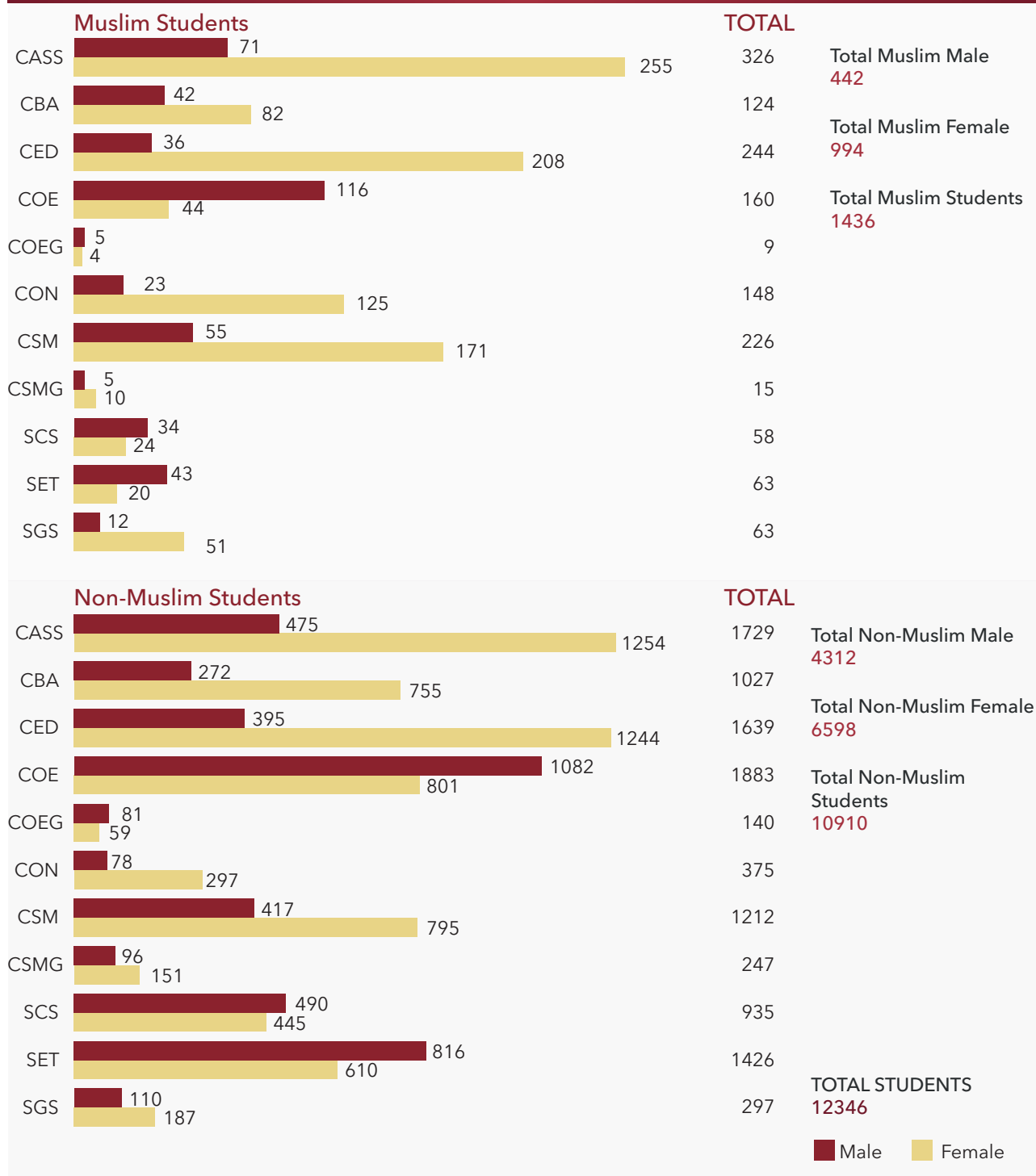
period for the Summer and the First semester (AY 2016-2017) enrolment. Moreover, the office was also able to distribute the enrollment flowchart to the colleges/schools ahead the enrolment schedule.

The enlistment process requires students to settle liabilities with the Cashier's Office. Liabilities other than those at the Cashier's Office are lifted even during the migration of the enlistment data. However, assessment cannot be done unless such liabilities are settled. Likewise, there is no deletion of students' courses affected by the change in scholastic status during migration; nonetheless, assessment will not be done unless the correct number of units per scholastic status is satisfied. During enlistment, an adviser has the capability to edit the proposed enlisted courses. Pre-approval can be done immediately after the editing of enlisted courses, thus, facilitating the enlistment process.

There were a total of 12,346 students enrolled in the 2nd Semester of AY 2015-16; 4,796 students in the Summer; and 10,392 students in the 1st Semester of AY 2016-17. The regular enrolment ran 4 working days and is extended to 7 more working days to accommodate late enrollees.

Enrollment Statistics by College

2nd Semester, AY 2015-2016

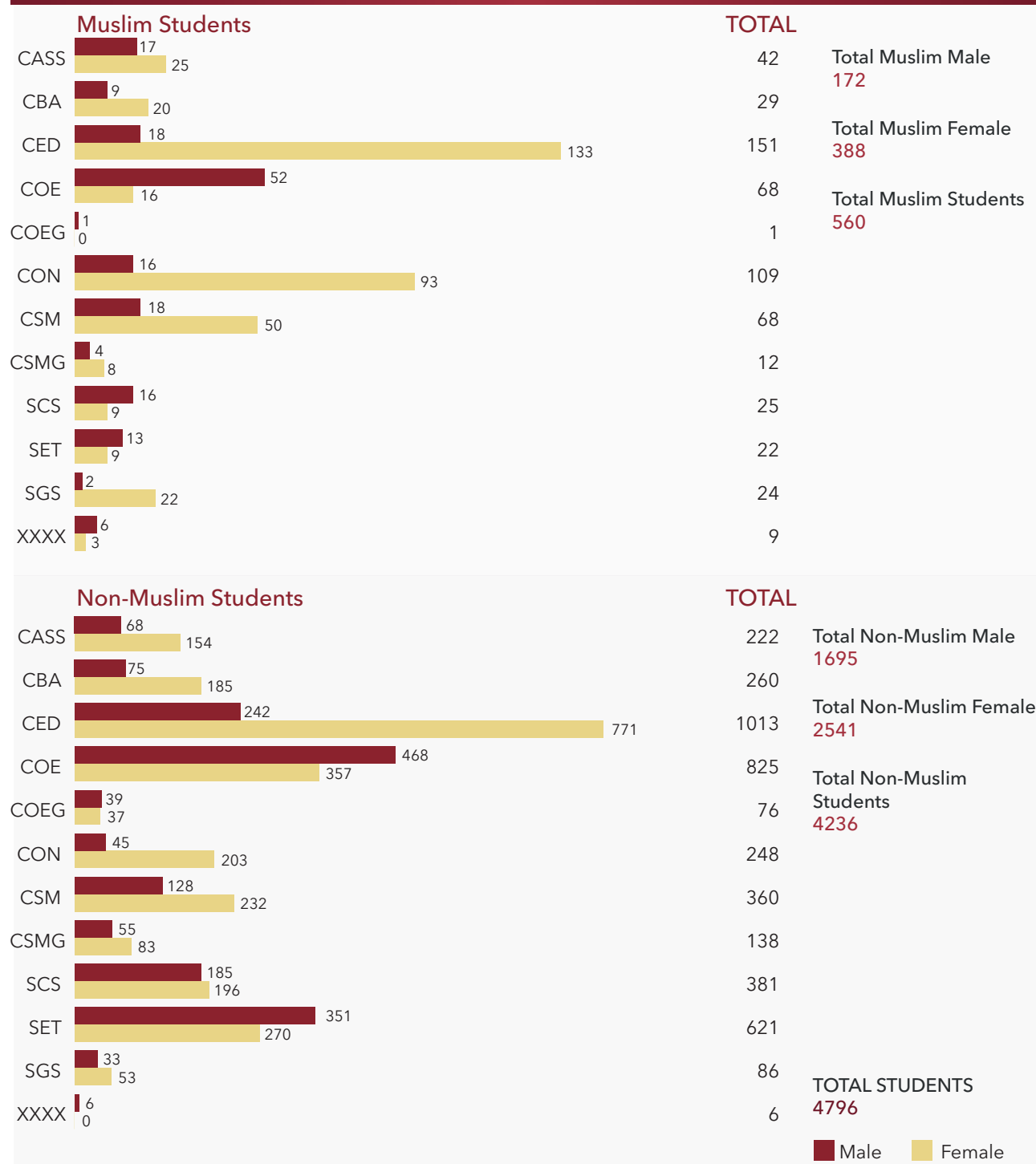


CASS - College of Arts and Social Sciences
 CBAA - College of Business Administration and Accountancy
 CED - College of Education
 COE - College of Engineering
 COEG - COE Graduate Programs
 CON - College of Nursing

CSM - College of Science and Mathematics
 CSGM - CSM Graduate Programs
 SCS - School of Computer Studies
 SET - School of Engineering Technology
 SGS - School of Graduate Studies
 XXXX - Cross-Enrollee

Enrollment Statistics by College

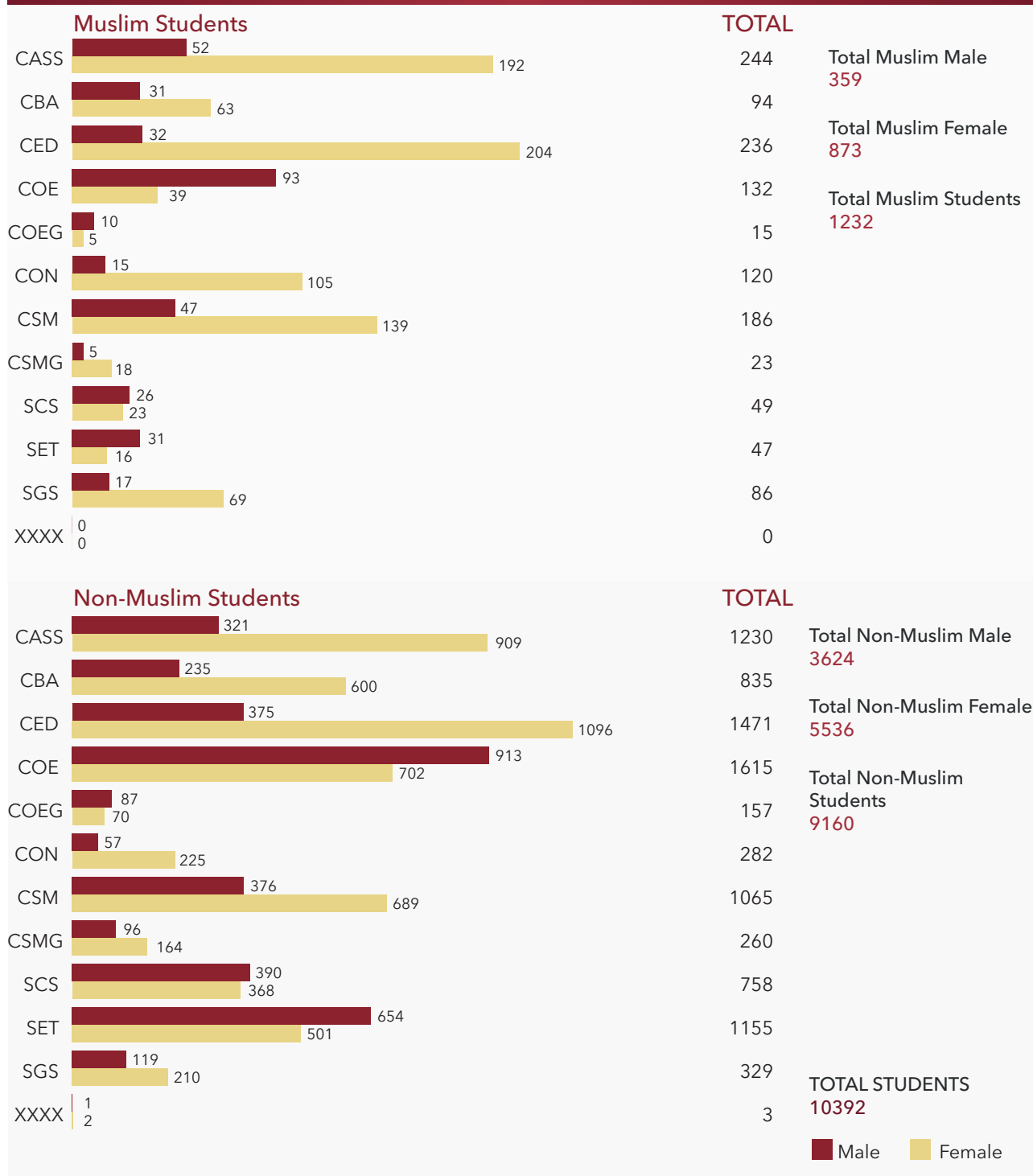
Summer, AY 2015-2016



CASS - College of Arts and Social Sciences
 CBAA - College of Business Administration and Accountancy
 CED - College of Education
 COE - College of Engineering
 COEG - COE Graduate Programs
 CON - College of Nursing

CSM - College of Science and Mathematics
 CSGM - CSM Graduate Programs
 SCS - School of Computer Studies
 SET - School of Engineering Technology
 SGS - School of Graduate Studies
 XXXX - Cross-Enrollee

Enrollment Statistics by College 1st Semester, AY 2016-2017

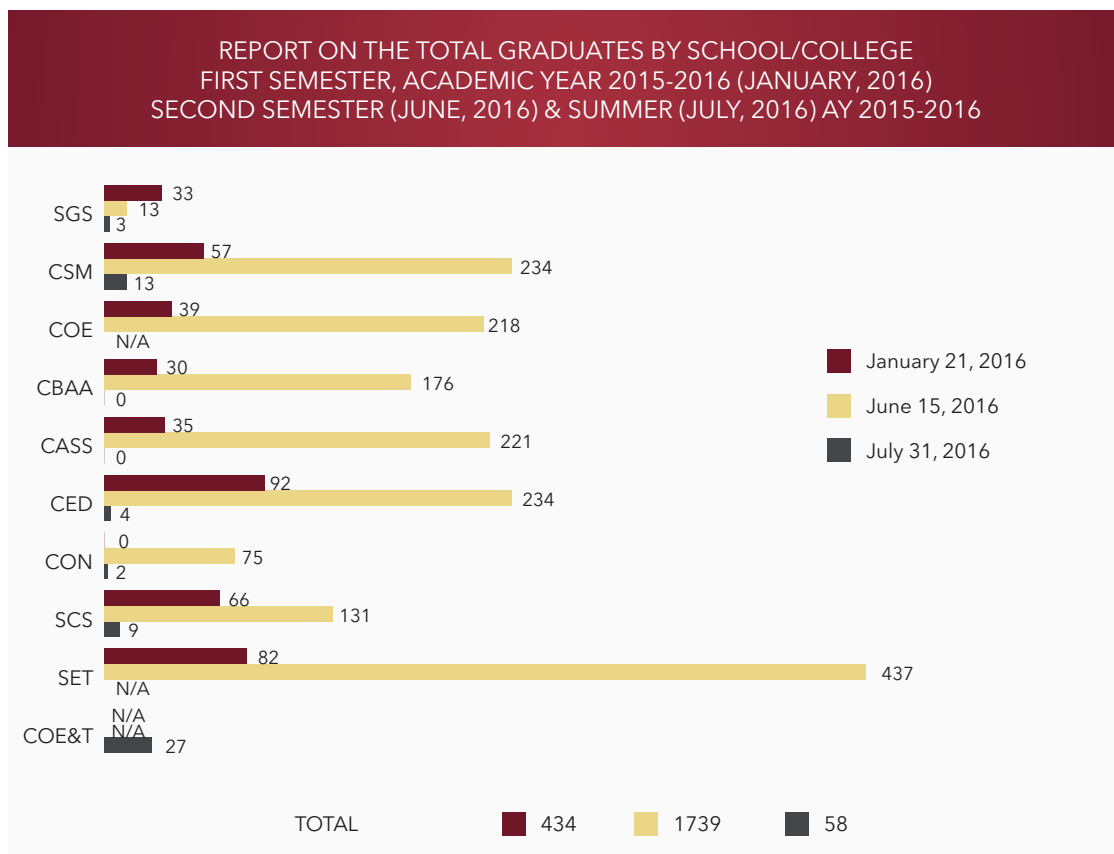


CASS - College of Arts and Social Sciences
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 SET - School of Engineering Technology
 SGS - School of Graduate Studies
 XXXX - Cross-Enrollee

The 46th Commencement Ceremonies (6th Midyear graduation) in January 21 has a total of 434 graduates; the 47th Commencement Ceremonies in June 15, 2016 has a total of 1,739 graduates; and the summer commencement in July 31 has a total of 58 graduates.

During the 48th MSU-IIT Charter Anniversary, two of the staff from the Office of the Institute Registrar, Ms. Josephine I. Mariquit and Mr. Alfie A. Sanchez, received the Kamagong Award (30 years in service) and Service Award (10 years), respectively.



Office of Admissions and Scholarship Administration

GENEVIEVE D. BENEGRADO, RPh
Acting Head

The Office of Admissions and Scholarship Administration remains adherent to the needs of the Institute, especially in supervising the admission of students regardless of race, gender, religion, and financial capacity. In fact, the school conditionally admitted the aspiring international student Mr. Terna Stephen Ikyernum, a citizen of Nigeria, to the program of Master of Science in Mechanical Engineering (MSME).

OASA, being the only recognized office of the Bureau of Immigration (BI) in the institute, facilitated the processing of Special Study Permits, extension of Tourist Visa, and application of ACR I-card of seven (7) Foreign exchange students from Universitas Negeri Semarang



PhilDev One-on-One1

(UNNES) or Semarang State University, Indonesia. These seven Indonesian students were exchange students of the Department of Physical Education, College of Education. Likewise, the office assisted the processing of extension of tourist visa and application of ACR I-card of Dr. Senarath Wathuge TPSK Kumari, a visiting professor from Sri Lanka at the Department of Biology, College of Science and Mathematics.

It also extends its service to the Institute's newly created unit, the Office of International Affairs (OIA). They abetted the office on matters relating to admission of International Students (cultural exposure and exchange) and employment of International professionals (visiting professors). Accordingly, OASA personnel, together with Dir. Esmar Sedurifa of OIA, visited the Bureau of Immigration (BI), Department of Foreign Affairs (DFA), and Commission on Higher Education (CHED) in Cagayan de Oro City to confer with the authorities on policies relating to acceptance of International students and professionals. As a result, in November, the OASA and OIA sponsored an Orientation/Updates on BI and DFA policies on International Students/Professionals.

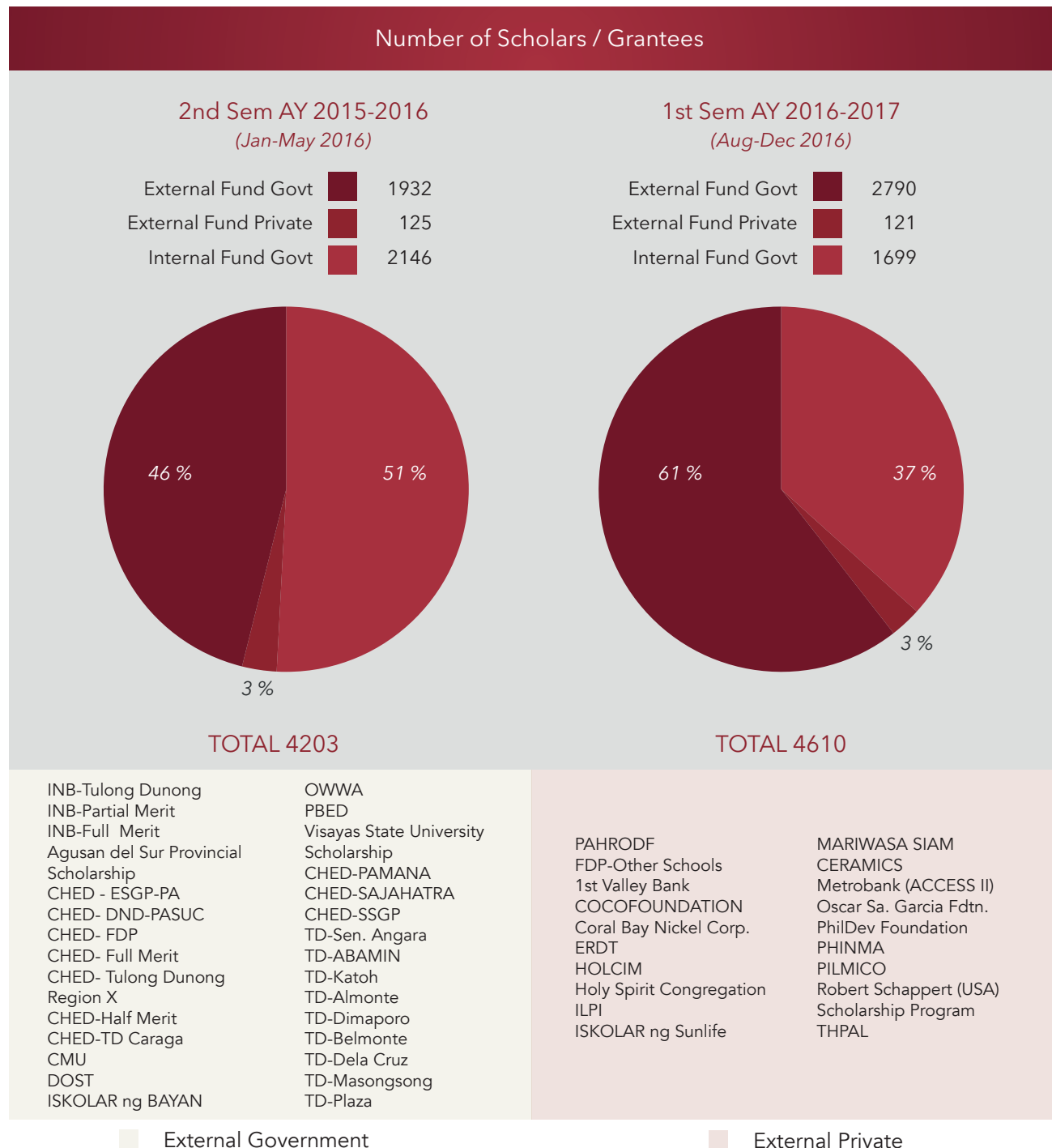
Remarkably, the office was able to launch, orient, and implement new scholarship grants. Together with the various scholarship coordinators, they were able to conduct "meet and greet"/interview activities. Most compelling evidence is the visitation of Mr. Melgie Jeoffrey A. Alas, Technical Specialist for Field Operations and Partnerships of UniFAST. He conducted an ocular inspection on the possible unification of all government-funded scholarships.

The office does not limit its services to the Institute but includes the community. OASA personnel participated in the 2016 Brigada Eskwela at Acelo Badelles Sr. Memorial High School last May 30, 2016. They also assisted the Philippine Military Academy during their 2016 PMA Entrance Examination last August 2016.

Likewise, the office's facility has been renovated and improved, such as the Head's office cum conference room, comfort room, and pantry; hence, providing the Administrative Staff conducive environment to work in.

As OASA is committed to improve its services in order to cater wider scope of clients, part of its strategy is to continuously advance the professional growth of its staff. Withal, OASA

personnel participated in various local, regional, and national seminars, workshops, forum, assemblies, conventions and conferences. Also, the office conducted its Strategic Planning Activity in March and presented its 5-year Development Plan to the Vice Chancellor for Academic Affairs, Dr. Edgar W. Ignacio. The planning with the VCAA paved way for promising outputs in the following years to come.



Department of Student Affairs

EDWARD L. BANAWA, Ed.D.
Acting Director

The Department of Student Affairs continues to administer the overall supervision of all student organizations in the campus. It promotes active student involvement in programs and other related activities geared in the development of their leadership skills and governance. It strongly enforces the student code of conduct to the student disciplinary board.




In partnership with the Kataas-tasang Sangunian Ng Mag- Aaral (KASAMA), DSA has conducted a joint orientation with student-officers in preparation for their budget proposal and liquidation report. Correspondingly, KASAMA

also conducted their orientation with the different executive council officers of each college organization.

Importantly, in assuring the welfare of its students, the office endorses to the president of the KASAMA the creation and establishment of *student crime prevention committee*. They will have to propose, plan and recommend seminars and trainings on crime and drug prevention and control.

With the will to support the development and success of IITians, the Department of Student Affairs endorses regular students and student leaders to the Office of the Chancellor to attend conventions, seminars and workshops about leadership, organization management and other related gatherings of student leaders, in the pursuit of their plans and programs as partners of the institute management.

The office is, likewise, steadfast in monitoring the Silahis Publication team in their quarterly publication. Further, the office assist the team through sending requests to the top management in the acquisition of office equipment and other necessary materials for publication.








MSU-IIT Student Grantees		
Monthly Allowance SAs Php1,000.00 OAs and TAs Php1,500.00	2nd Semester AY 2015-2016	1st Semester AY 2015-2016
 Student Assistant (SA)	75	84
 Office Assistant (OA)	17	17
 Teaching Assistant (TA)	3	4

MSU-IIT Student Grantees

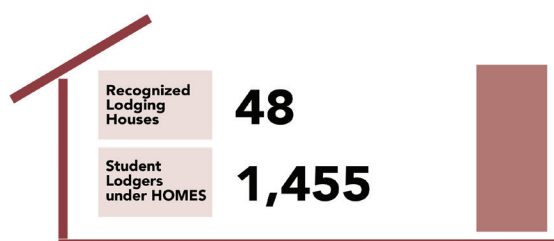
Monthly Allowance
SA's Php1,000.00
OA's and TA's Php1,500.00

2nd Semester
AY 2015-2016

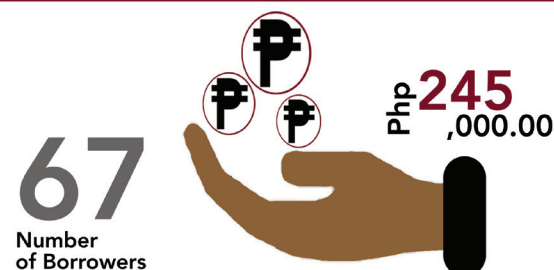
1st Semester
AY 2015-2016

 Debate (6)	2,400.00	2,000.00
 Octava (24)	4,600.00	7,600.00
 Kalimulan (25)	10,000.00	25,000.00
 IPAG (25)	10,000.00	25,000.00
 Echoes (25)	10,000.00	25,000.00
 Band (15)	6,000.00	6,000.00
 Athletes (15)	20,000.00	18,400.00
Total: Php68,000.00		Php64,000.00

Hostel Operators and Mentor Society (HOMES)



DSA Assistant Loans



Medical Assistant Fund



Institute Library

AGNES B. CAHANAP, MLS
Institute Librarian

With their newly appointed Officer-in-charge, Agnes B. Cahanap, the Institute Library becomes more driven to deliver the highest quality of services, resources and collections that they can offer to the institute. The unit serves as the primary support of faculty, staff, students and visitors in their quest for knowledge.

Library Personnel Update

Throughout 2016, the library personnel continues to grow, in fact, eight members are added to the family; four of whom are Professional Licensed Librarians. Likewise, with their growth comes the fortitude for development, thus, librarians including the new recruits were sent to several trainings, seminars, and conferences, in and outside MSU-IIT. The most notable were the first ever conducted "Library Team Building Activity" in December at Punta Meriam Resort, Pana-on, Misamis Occidental, and the "Reporting of Seminar Attendance 2016 and Presentation of Proposed Five-Year Development Plan by Unit Libraries" in the Institute Library.

The Library is also actively involved in national and international linkages. Participation includes membership of relevant professional groups such as the Academic Libraries Information Network in Mindanao (ALINET); Consortium of Engineering Libraries - Philippines (CELPh); Mindanao Association of State Tertiary Schools Library Network (MASTSLiNet); Content Digitization and Development; and Integrated Library System and Content Management System of the Integrated

Philippine Libraries (iPel) project - - wherein MSU-IIT is identified among the six state universities and colleges of the Philippines as a pilot site for the component projects.

Library Systems

Significant work have been undertaken this year to upgrade the library's automation system to level with the emerging library cataloging standards and advanced technology. In May 2016, the advent of the new Destiny Library Manager, brought together into a single database access the library catalogs and the free and paid subscription databases. Hence, all library units of the Institute collaborated in migrating old data to the new system.

Facilities

Amid the scarcity of Reading Rooms in the libraries, the office is giving its utmost efforts in pursuing expansion and renovations of library spaces. In effect, several improvements were made in increasing the accessibility of facilities and services, most compelling of which are the following: Physical transformation from wood to glass of the CED Library Staff Lounge, Space expansion of Nursing Library, and Renovation and repainting of CASS Library

Library Users Statistics



Library Visits

CASSL	28,156
IDSL	38,454
CONL	27,314
ECTL	25,521
CBAAL	20,344
CEDL	18,410
RNA	32,001
CSML	44,758
GR/FIL	17,820



Book Loans

CASSL	10,096
IDSL	12,297
CONL	3,699
ECTL	6,499
CBAAL	3,234
CEDL	10,022
CSML	2,963
GR/FIL	3,923



Online Users

CASSL	3,413
IDSL	12,641
CONL	3,873
ECTL	5,090
CBAAL	7,672
CEDL	7,651
RNA	13,155
CSML	4,506

CASSL - College of Arts and Social Sciences Library
IDSL - Integrated Developmental School Library
CONL - College of Nursing Library
ECTL - Engineering, Computing and Technology Library
CBAAL - College of Business Administration and Accountancy Library
CEDL - College of Education Library
CSML - College of Science and Mathematics Library
RNA - Research Network Area (Main Library)
GR/FIL - General Reference and Filipiniana Section (Main Library)

Cultural Development Office

ZAYDA O. MACARAMBON, MEd
 Cultural Development Officer

In their support for a “well-rounded education”, the Cultural Development Office (CDO) continues to cultivate a rich Arts and Culture life in the Institute. It prioritizes audience-building in their programs, thus, deepening audience involvement in their activities through varied experiences.

In fact, in advancing their advocacy of creating meaningful opportunities for the community, both within the Institute and at large, CDO continues to offer an annual Short Term Music Lesson held every mid-April to mid-May. This Music lesson includes fun and affordable summer tutorials on Guitar Playing (for beginner and advance), Drum Lessons, Vocal Coaching and Keyboard Lessons. Of the same importance is their Support for Local Artists advocacy, whereby, the office organized an Art Exhibit entitled, “Pagsugod” that showcases the works of MSU-IIT alumnus and a former lecturer of the Department of Philosophy and Humanities, Mr. Jude Redoble. This was followed by an Album Launching of Ms. Cerila Amba, her compositions and performances of Bisayan Songs.



As a tradition, CDO annually conducts institutionalized cultural activities, in commemoration of the National Arts Month (NAM) every February. The highlight activities are:

Artist Talk by Cris Gomez - as a successful alumna in the field of visual arts, Gomez shared his beginnings, medium and his works. His success story as an artist shed light and inspiration to the audience.

Art Exhibit - a month-long visual exhibition that presented the works of some aspiring visual artists of Halong Kulay, a student organization of young artists in MSU-IIT.

"Tatlong-Araw ng Kantahan at Tugtugan" - An event sponsored by the KASAMA, it is a three-day "Original Pinoy Music (OPM)" activity that is participated by the different bands of the colleges.

Gabi ng Sining(GNS) - an annual tradition to highlight the month-long NAM celebration. It showcases the Institute's vibrant performing groups, reflecting the pride of having world class

student-artists. The event unites more than 3, 000 audiences during its matinee and gala shows.

In its goal to promote appreciation for, and interest in classical guitar performance, the office facilitates and creates opportunities for exchange and collaborative works with the Cultural Center of the Philippines (CCP). In fact, CDO hosted the Outreach Performance of Kabataang Gitarista, a CCP based and trained youth group of gifted musicians.

Likewise, with its established linkages with National Commission for Culture and the Arts (NCCA) and CCP, the Office was able to conduct several capacity building initiatives for the arts and culture development agenda.

Workshop on Organizing Arts Program for Student Organizations - the workshop offered an opportunity for KASAMA and cultural organizations to build leadership and teamwork skills, develop relevant and quality arts and culture productions/ programs, and obtain basic knowledge in budget management that will help them in their future endeavors.

Technical Enhancement Activities - a series of technical workshops on Theater Operations and Management, Level 3 for Institute personnel and students who are directly involved in technical works; local sound providers of the city and technical personnel of other Schools and Colleges of Iligan and Ozamis.

In cooperation with the Office of Vice Chancellor for Research and Extension, CDO organized meaningful extension activities:

- Gender and Development Project entitled "I am A Woman, I am Invincible"- a 3-Day activity that provided a very welcome respite from work to the gallant and hardworking women of IIT. This provided an opportunity to discover and give vent to these women's hidden artistic talents and well-kept emotions.

- Workshop on "Promoting Peace Through Theater Performance"- held in the Municipality of Marantao in Lanao Del Sur, the town's youths who lived and grew in an atmosphere of conflict, were the participants of the workshop.

Another noteworthy achievement of the office is the successful program implementation and utilization of the Cultural Development Fee. The table below gives the number of grant applications received, approved and fully implemented (See Graph Below).

CDO, also, conducted its Cultural Immersion with the Bagobo-Tagabawa tribe in Sta. Cruz, Davao Del Sur, as part of its capability and professional growth building for its staff.

Among the achievements of the office are the awards and recognitions received by some of its student artists and employees.

- MSU-IIT Cheerleading Team (MICT) - Lions won the National Cheerleading Competition Regional Qualifiers and are expected to compete in the National Level Competition in 2017.

- Director Zayda O. Macarambon- awarded as Best Cost Center Head for the 2016 Outstanding Employees of MSU-IIT;

- Director Macarambon is likewise re-elected as Executive Committee Member of the National Commission for Culture and the Arts under Subcommission on Cultural Dissemination, valid 2017-2019.



Grants

Grant Application	2nd Sem, SY 2015-2016 (January-May 2016)	1st Sem, SY 2015-2016 (August-December 2016)
Received	19	20
Approved	19	20
Proponents:		
Resident Cultural Groups (Echoes Band, IPAG, Kalimulan, Octava) KASAMA Other Cultural Groups (ABEO Playhouse, MICT-Lions) Cultural Development Office, Institute Constituents		
8 Special Grants		
27 Fully-Implemented Proposals		



INTEGRATED PERFORMING ARTS GUILD

STEVEN PATRICK C. FERNANDEZ, DFA
Artistic Director

INTEGRATED PERFORMING ARTS GUILD (IPAG) has linked with international, national, and in-campus organizations. Through collaborations in realizing its Vision for a progressive Culture-and-Arts (C&A) environment, these links have not only strengthened the exchange of resources but realized the establishment of Programs that have institutionalized the conduct of C&A.

In 2016, the Culture and Arts Studies Center (CulArtS-C) was finally established per BOR Res. No. 19, s. 2016, with Dr. Steven Patrick C. Fernandez as the designated Director, per SO no. 1363, s. 2016. Fernandez is a recognized Cultural Studies specialist. He travels the rounds of universities around the country and lectured in Bangkok, Yogyakarta, and Taipei in 2016)

Besides annual Key Results (KR) expected from the Center, creative production, repertory development, mobilization of audiences, research, innovating pedagogy, and the conduct of learning are inherent in the IPAG mandate.

Growing continuously through 40 years, IPAG has developed satellites in education, skills enhancement, publication, production, research, and administration cementing an Objective-Key Result system-based management. Moreover, a systematic evaluation of KRs including audience responses to productions has been implemented. IPAG's active partners to-date involve:

International:

- Asia-Pacific Bureau (APB) of Theatre Schools, involving more than 20 major universities in the Asia-Pacific including Australia and New Zealand (acceptance by election from the Board)
- Asian League of Institute of Arts (ALIA) allied with European Art Institutions, with lead partner the Taipei National University of the Arts (TNUA)
- Yogyakarta Institute of Art
- Performance Studies International (Psi)
- UNESCO-International Theatre Institute
- Asia-Pacific Writers and Translators, Inc.

National:

- National Commission for Culture and the Arts (NCCA)
- Cultural Center of the Philippines (CCP)
- Mindanao Theatre Network

To date, the IPAG secures its position as the primary professional performance and training company in the South. It has performed 53 times, has given lecture 9 times, and organized recitals 3 times.

Repertory

- Over 30,000 audiences in 50+ performances
- Four major dance-musicals including the highly-successful remount of Bebot Rodil's Datu Matu, transcreation of poetry performed on-tour
- Philippine representation ("Sita: The Ramayana Revisited") at the Bangkok ASEAN festival
- Premiere of two one-act plays ("Maratabat" by Roger Garcia and "Dalawang Gbai" by Maynard Manansala) mounted by training directors
- Two experimental after-workshop productions



Education

- A pioneering Culture and Arts Studies Center
- Pedagogy shared in courses and international lectures in major Philippines Universities and in Arts forums in Bangkok, Yogyakarta, Taipei, and in Mindanao
- New editions of textbooks in Stagecraft and the Humanities
- Apprenticeship program in place

Research

On-going research on "Assessing the State of Mindanao Culture and Arts: Surveying Education as Vehicles for Transformation, Dissemination, and Institutionalizing" funded by the NCCA. The research culminates with a Summit of all Arts Education leaders in summer, hopefully formulating resolutions to direct Cultural Studies in the Philippines.

Culture and Arts Studies Program (CulArtS-C)

The Program from its pioneering batch of 14 students who enrolled August 2015, continues expecting its first batch of graduates in the 1st semester of 2017. As the program is a production-and-research-oriented inter-discipline, graduate students present their final outputs in a Colloquium on Feb. 18.

IPAG's involvement is defined in the workshops and learning modules it has established which have been adapted into the C&A curriculum. It was conduit and implementing organization of the pre-implementation needs survey which dealt with the endowments from the NCCA.

IPAG has conducted courses in Basic Theatre, Directing, Stagecraft, Playwriting, Performance and Cultural Studies, besides maintaining its pedagogy-based in-Guild artists training that produced three recitals this year.

The CulArtS-C through the IPAG promises to play a dominant role in their collaborations with institutions in the ASEAN as a major player in the Creative Industry to keep in pace with the social, cultural, and economic dreams of the Asia-Pacific.

Kalimulan Cultural Dance Troupe

CRISENTE CABAUG
Artistic Director



The MSU-IIT Kalimulan Cultural Dance Troupe performed during the Institute's 46th Mid-Year Commencement Exercises in January 21, and the Year-End Commencement Exercises in June 15. Likewise, they performed in the 46th Pre-Commencement Exercises of the College of Arts and Social Sciences, College of Science and Mathematics, College of Engineering and the School of Computer Studies.

Notably, the troupe represented the City of Iligan and as a resident cultural dance troupe of Region X last May 28 to June 2, during the annual Pasundayag Northern Mindanao in SM Baguio, City sponsored by the Department of Tourism.

The troupe's performance during the "Pagkanaug ni San Miguel" was one of the highlights for the City Fiesta month long celebration. They are again featured during the Lechon Festival at the Anahaw Amphi-Theatre, in September 22. The troupe was also the back-up performers during the Search for Miss Iligan 2016, held at the MSU-IIT Gymnasium on September 26.

In November 23 and 25, the MSU-IIT Kalimulan Cultural Dance Troupe performed at the CASSalida Theater as a mandatory performance for the institute constituents and students. On November 24, the troupe performed a dinner show at the MSU-IIT Gymnasium for the National Conference on Micro-Biology, sponsored by the College of Science and Mathematics.

ECHOES

ZAYDA O. MACARAMBON, MEd
Artistic Director



Echoes, the Institute's resident pop band, performed during the "Opening Ceremony" of the National Arts Month (NAM) Celebration. Likewise, they facilitated the "Tatlong Araw ng Tugtugan", and was one of the primary performers during the "Gabi Ng Sining".

Remarkably, the band staged two major concerts: the "ECHOES Live in Concert" in October 24 and the "MUSICAUSE: Advocacy Concert" in April 21. They also participated in the worldwide Earth Day celebration, where they performed songs and presented video montages advocating environmental concerns, issues and the preservation and appreciation of nature's beauty.

The group accommodated performance requests from the different cost centers for their various programs and events, such as the National Conference in Filipino of the Filipino Department, Orientation on CHED Memo No. 1 of the OVCRE and GAD, and the Institute Year-End Socials.

The Echoes also joined in various activities carried out by the Cultural Development Office, including the capacity building workshop series in partnership with the National Commission for Culture and the Arts and the Cultural Center of the Philippines. Significantly, the members gained valuable knowledge and relevant skills in the "Organizing and Management of Arts Program" and "Technical Workshop on Lights and Sound System Design" workshops.

OCTAVA

ERNESTO "BAJO" C. ZALDUA, JR.
Artistic Director

2016 is a remarkable year for the Octava Choral Society as they have performed in numerous local, regional, national and international events. Amid the retirement of the former choirmaster and founder of the institute choral group, Prof. Francisco A. Englis, the group did not disintegrate, instead rejuvenated with its new choirmaster, Engr. Ernesto C. Zaldua Jr., a music major in University of the Philippines - Diliman.

OCTAVA's year started with the last concert of Prof. Englis before his retirement. It was a back-to-back concert with the Deus Caritas Rondalla, Hasta Manaña: A Homecoming Concert held at IDS - Multi-Purpose Hall in May 6. The event has 4 parts, whereby, the performance of the Rondalla comes-in every after the OCTAVA's part. First is the Musica Sacra or Sacred Music, then the Foreign Lights, followed by the Original Pilipino Music (OPM) and lastly, the Octava Choral Society's trademark, the Ethnic Songs.

The group was also invited by the College of Arts and Social Sciences in their CASS Pre-Commencement Exercises. The group sang the invocation, entitled Lead Me Lord and the Philippine National Anthem.

Zaldua's leadership is first felt during OCTAVA's performance in the General Assembly and Acquaintance Party (GAAP) of the College of Arts and Social Sciences (CASS) and the Kataastaasang Sanggunian ng mga Mag-aaral (KASAMA). The group sang the invocation and national anthem.

In September 3, the group was invited by the Institute to sing in the ASEAN Conference on Physical Education and Sports (ACPES), an international event held at Pearlmont Inn, Cagayan de Oro City. They sang the invocation and the Philippine National Anthem. They also rendered an intermission number, showcasing Philippine songs, like Mamayug Akun (a song from Mindanao) and Kruhay (a song from Visayas).

In November, OCTAVA had their fund-raising concert entitled Octava Choral Society: A New Beginning. The title, "The New Beginning" represents the new choirmaster and the new administration. The concert lasted for 3 days, with 2 runs each day. The proceeds of the concert goes to Zaldua's recital with his OCTAVA team in the University of the Philippines - Diliman, entitled "Choral Fantasy: A Second Master's Choral Conducting Recital". The group sang songs from different languages and dialect, showing its wide repertoire, including Prof. Englis' Goani, which is one of the trademarks of the group.



Engr. Zaldua with the Octava Choral Society in Concert



Building closer relationships through fellowship on December 14, 2016 at GCC-Main

GUIDANCE AND COUNSELING CENTER

EVELYN I. DOMINGUEZ, RGC
Acting Head

2016 is filled with fresh beginnings and fruitful endeavors for the Guidance and Counseling Center (GCC). The appointment of Evelyn I. Dominguez, RP, RGC as the new Acting Head of GCC, brought dynamic leadership to the center. Likewise, the newly-renovated office makes the GCC more conducive for student counseling and tutorials; further, it brings the unit closer as they have a conference room which serves as their meeting place for their monthly growth learning sessions. Their workforce is even strengthened with the two new additional Guidance Advocates in the organization.

To improve the services of the unit, benchmarking in De La Salle University, University of Sto. Tomas, and College of St. Benilde were conducted. This resulted to GCC's office enhancement, professional growth, and new guidance programs.

In their pursuit for constant professional growth, the guidance personnel are not only active in participating various seminars and trainings, but also in presenting papers in research forums and convention, local and abroad, and serving as Resource Speakers of different events.

Paper Presentations



Katrina L. Codilla

presented her paper, "Locus of hope of OFW children and non-OFW children in select private high schools in Iligan City" in Thammasat University, Tha Pracuan Campus, Bangkok, Thailand and Psychological Association of the Philippines (PAP) National Convention in San Fernando, Pampanga



Charity M. Pagarigan

presented her paper, "Acceptability of counseling services and coping skills of high school students with behavioral problems" during the Philippine Guidance and Counseling Association (PGCA) X Annual Convention and Seminar-Workshop



Charlane N. Gabutan

presented the GCC Online Database during the GCC Strategic Planning on December 15-17, 2016 at Discovery Hotel, Cagayan de Oro City

Resource Speakership and Panel Membership



Evelyn I. Dominguez

Resource Speaker in La Salle Academy, Iligan City on September 21, 2016 on "Goal-setting for Motivational Plans"



Charity M. Pagarigan

Resource Speaker during the SPFO training at Adventist Medical Center College, Iligan City last November 4, 2016 on "Self-awareness and Counseling the Millennials"



Michael Alain J. Mamauag

Panel member during the Job Search Skills Seminar in Iligan Medical Center College last March 2016

Attendance on Seminars and Trainings



Evelyn I. Dominguez, Bai Noemi S. Dimaporo, Judith P. Claret, and Charlane N. Gabutan

attended the Philippine Guidance and Counseling Association (PGCA) X Annual Convention and Seminar-Workshop in Cagayan de Oro City



Evelyn I. Dominguez, and Michael Alain J. Mamauag

attended the mid-year PGCA National Convention on October 20-21, 2016 in Cebu City



Michael Alain J. Mamauag, Vincent Lowell B. Cada, Reynalou S. Bontilao, Charity M. Pagarigan, Evelyn I. Dominguez, Bai Noemi S. Dimaporo, Judith P. Claret, and Charlane N. Gabutan

attended the Seminar-Workshop on Cognitive Behavior Therapy on February 15, 2016 in Capitol University, Cagayan de Oro City



Guidance Advocates

(Ms. Claret, Ms. Gabutan, Ms. Dimaporo, and Ms. Bontilao) accompanied by Ms. Dominguez trained for capacity building among all other guidance counselors and career advocates of Northern Mindanao last September 22-23, 2016 at Cagayan de Oro City.

Importantly, as their way of sharing the knowledge and experiences that they have gained from their professional development activities, these Guidance advocates serve as resource persons in the ESGP-PA enhancement seminars and other in-campus seminars. Further, they consistently implemented the SPF/LAV Programs with activities such as SPF/LAV recruitment, in-house training, enrichment, planning, and fellowship; as well as the OJT Orientation and Placement Programs. In fact, due to the successive "Alay sa Graduates" activities, such as the Pre-employment Seminar, Mock Job Interview, and Job Fair, 47 students were reported to be "hired on the spot," mostly by Samsung, Inc.

Furthermore, as there is a need to prepare guidance advocates in handling suicidal cases of the Institute, Ms. Dominguez mentored her team on the suicide risk factors and protectors last October 4 in the GCC.

Likewise, to ensure that the needs of the students are met, they conducted a campus-wide campaign of guidance services in the months October-November, which reached 3,274 students. They also disseminated posters on bulletins of the colleges, as part of the Counseling awareness campaign. Additionally, they had a room-to-room campaign to introduce each guidance counselor to the students and be known as the helping agents of faculty and students.

Needs Assessment Survey was conducted for the first time, to generate data helpful in creating research-based intervention programs that will strengthen guidance services. GCC also updated individual profiling of 1,602 students and initiated academic intervention program for students with poor academic performance, which is determined every enrollment. Hence, 96 students were assisted on their career plans and 71 others with their "barred" status.

Counseling, as the very heart among these services, has been given utmost importance, whereby counselors are assigned satellite counseling office in every college. An over-all total of 449 students were counseled from July to December, where 80.3% of them voluntarily walked-in, 13.2% through referrals, and 6.5% quietly called. Twenty five percent (25%) of these students were followed-up through succeeding counseling sessions and boarding house visitation.

As part of the follow-up service, 188 students availed the Academic tutorials coached by the 15 learning assistance volunteers (LAV). Lest, the five topmost root causes of problems dealt through counseling are: academic life (41.3%), career choice (13.0%), study habits (10.6%), family (7.7%), and financial (6.2%).

Testing becomes supplemental in providing clients a comprehensive assessment of their strengths and weaknesses for greater self-awareness, hence, new test materials were procured. A total of 2,388 students, 10 faculty and 79 outsiders were catered for the test administration; and 987 students for the test interpretation.

Established partnership with other sectors reinforced implementation of GCC information services and outreach program. Forum entitled "#Mga Kwentong Spark" was conducted on February 24, 2016 in MSU-IIT Board Room in coordination with GAD unit. GCC assisted OARP during Employers' Forum. In coordination with OVCAA, the GCC conscientiously crafted modules for the ESGP-PA Enhancement Program for the second semester. Organization of Student Peer Facilitators (OSPF) joined hands with Iligan Medical Center College in reaching out to the school children of Lumbatin Elementary School, Puga-an, Iligan City last November 30, 2016.

Guidance and Counseling Center concluded the year with enhanced student peer facilitation through web-featured SPF/LAV Enrichment and GCC fellowship in December 14 at CON Hall.



SPF President Joshua T. Gaid reaching out to the children of Lumbatin Elementary School in Puga-an, Iligan City on November 30, 2016



The members of the Institute Communication group during the workshop on Google Apps in the Implementation of Archiving and Distribution of Institute Communication on January 29, 2016

MSU-IIT CENTER for eLEARNING

CENIE M. VILELA-MALABANAN, PhD
Director

MSU-IIT Center for eLearning (MICeL) reliably provides support to the academic community in developing blended classrooms. It also extends its service to the administrative community in the use of technology in their day-to-day function.

Training and Support

Part of the center's eLearning initiatives is organizing a Blended Classroom Management workshop. Sixty-nine (69) faculty members from the different colleges enthusiastically joined the activity. The workshop advocates the mastery of the features of MSU-IIT Online Learning Environment's latest version (MOLE 2.0) and G Suites. Faculty members were taught how to add and manage learning resources; facilitate interaction and communication; and create quizzes as well as utilize peer assessment and grading facilities.

On top of its contributions is MICeL's support to the Office of the Chancellor's advocacy-- paperless inter-office communications. In collaboration with the members of the Institute Communication Group, MICeL developed a cloud-based information system which is called Communication Document Tracking System or an e-logbook, utilizing the G Suite applications. The primary users are the personnel of the four offices of the Vice Chancellors and the Office of the Chancellor - the Institute Communication Group (ICG). The system is used for recording incoming and outgoing communications. It also facilitates easy tracking of the communication document within the Institute. A series of workshop was conducted for the ICG pilot implementation. Subsequent workshops are scheduled in 2017 for the offices under each VC cluster.

Facilities Upgrade

In order for MICeL to effectively and efficiently support its training activities, the center acquired 25 new computer units and peripherals. With the additional computers, it is now possible for faculty members to conduct their examinations online in MICeL, e.g. MOLE or G Suites on an arranged schedule.

Also, bidding and awarding for the construction of the P10.8M worth MICeL building has been made. The one-storey building will soon rise beside the Health Services Department (Clinic). Once completed, the building facility will be used as an added space for training, and for development and production of multimedia resources that can be incorporated for blended classes.

Benchmarking at Open Universities

MSU-IIT is preparing to offer the blended mode of instructional delivery, specifically in the graduate program. Five faculty members who are part of the MICeL TEC team (Training Experts and Consultants) were tasked to visit four universities in Luzon to benchmark each university's best practices in offering blended learning, if not pure online education. Among the universities visited were: Central Luzon State University Open University (CLSU OU) in Munoz, Nueva Ecija; De La Salle University (DLSU - ASSIST & the College of Saint Benilde) and Philippine University of the Philippines Open University (PUP OU) in Metro Manila; and the Open University of the University of the Philippines (UPOU) in Laguna.

Presence in Online Learning Community

Extending its presence in the national level, Dr. Cenie Vilela-Malabanan and Nenen Borinaga attended the 30th Annual Conference Asian Association of Open Universities in Manila on October 26-29, 2016 to establish linkages in the international arena.



Meeting with Dr. Flor Amor B. Monta, Dean of Central Luzon State University - Open University, Science City of Munoz, Nueva Ecija on April 5, 2016]

National Service Training Program

HILTON J. AGUJA, PhD
Director

With the full implementation of the K to12 program in the Department of Education, the tertiary level is expected to have no first year enrollees starting Academic Year 2016-2017 until 2017-2018. However, it is inevitable that some students have not yet enrolled the NSTP subject due to various factors, such as the irregularity of the student's academic status. Hence, to cater this problem the Institute offers NSTP in 2016.

There were 108 enrollees in CWTS-1 during the 1st Semester of the S.Y 2016-2017. They were clustered in two sections to achieve individualized instruction and to provide good facilitation of information and inculcation of the requisite skills. The usual routine started with orientation of the NSTP law and the implementation of the 25 hours common module-based subject areas mandated by the Commission on Higher Education (CHED).

CWTS students undoubtedly had engaging experiential learning, as a number of local government offices extended their support to the NSTP activities. To name a few are the ICDRRMDO, DSWD, Fire Department, PDEA, DENR, Bomb Squad, and the nearby Barangays in MSU-IIT.

Campus Clean Up

Cleanliness is one value that students need to inculcate, hence, their first activity before the proper classroom discussion is to clean the campus. Students were grouped and each group was assigned an area to clean. The activity made the students realize the importance of Solid Waste Management, and be responsible of their surroundings.



MSU-IIT Campus Cleanup

Water Safety Training

People drown when too much water gets into their lungs. When that happens, the lungs cannot put oxygen in the blood. Then, too little oxygen gets to the brain and the rest of the body. Therefore, water safety seminar is another important activity in NSTP-CWTS instruction. This training applies to all students whether they are non-swimmers (yet) but also to more experienced ones.



NSTP-CWTS Water Safety Training

BOMB AWARENESS SEMINAR

Given the volatility of the social climate, the precarious peaceful condition is occasionally disrupted by a bomb scare. To address this social problem, likewise, in celebration of the Disaster Resiliency Month and the Institute's effort to build a disaster resilient community, NSTP, in collaboration with the Explosive Ordinance Division (Bomb Squad) of Iligan City, spearheaded the Bomb Awareness Seminar. The seminar was facilitated by PO2 Ricardo Librado, who gave a lecture on improvised explosives and bomb threat management. The event was designed to help both civilians and the military to become more attentive with their surroundings.



PO2 Ricardo Librado gave a lecture on improvised explosives and bomb threat management

FIRE PREVENTION EDUCATION

In accord with the month long celebration of disaster resiliency, the NSTP conducted a fire prevention education in which the students, faculty, staff, and officials of the Institute participated. The experience taught them the actual and proper use of fire extinguisher. This event was conducted in collaboration with the Bureau of Fire Protection (BFP) of Iligan City.



Fire Prevention Education in collaboration with the Bureau of Fire Protection (BFP) of Iligan City

COASTAL CLEAN UP

Coastal clean-up activity is conducted every September in celebration of the International Coastal Clean-Up Day. The coastal area in Barangay Canaway is MSU-IIT NSTP's area of responsibility, as assigned by the city government.

ISSUANCE OF CWTS SERIAL NUMBERS

One of the highlighted achievements of the CWTS operation is the issuance of Serial Numbers to all CWTS graduates. The graduates received their CWTS certificate of graduation with their own serial numbers. A hard copy of the compilation of serial numbers of all CWTS graduates from year 2008 to present was distributed to the Registrar's Office, NSTP Office and the Office of the Vice Chancellor for Academic Affairs. Currently, the NSTP in collaboration with the computer center, thru Mr. Richard Micubo, is developing a computer module so that encoded Serial Numbers will appear in the Official Transcript of Records (TOR) of the students.



Sports Development Office

CESAR T. MIGUEL, PhD
Sports Development Officer

In anticipation of the Institute's role as the host of the 2016 MSUS Athletic Association Meet and the other competitions, a three-day intense circuit training of all varsity athletes was organized in February 13 - 15.
2016 MSUS ATHLETIC ASSOCIATION MEET

More than a hundred IIT participants comprised of officials, coaches, trainers, athletes and medical staff went to MSU-Marawi to compete in the MSUs Athletic Meet. Amid the cancellation of the original plan of MSU-IIT hosting the event, the circuit training did not go for naught as the institute delegation bagged the following:

Champion:

Lawn Tennis (Women)
Badminton (men and Women)
Chess (women)
Table tennis (women)

1st Runner Up:

Table Tennis (men)
Lawn tennis (men)
Chess (men)
Volleyball (women)

2nd Runner Up:

Volleyball (Men)
Basketball (Women)

2016 Ultimate Collegiate League

Although the 2015 national champion Frisbee Team, "The Titans", failed to defend their title in the 2016 Ultimate Collegiate League in Dumaguete City, they are still victorious for having placed 1st Runner Up.

National Sepak Takraw Tournament

The Sepak Takraw Team got to the semi-finals in the national tournament held in Dipolog City.

2016 IBCI Bowling

Likewise, the Institute personnel who represented the Institute in the 2016 IBCI Bowling tournament for the whole month of September won 1st Runner Up.

Charter Day Friendship Basketball Games

Notably, SDO hosted the Charter day Friendship Basketball Games during the Institute Charter Day Celebration. Various faculty and staff of MSU-IIT, MSU Main Campus, MSU Naawan, and La Salle Academy joined the tournament.

Water Safety and Disaster Response

Part of the services extended by the office throughout the celebration is the one day orientation training of selected Institute personnel in water safety and disaster response, which was led by Dr. Cesar T. Miguel, SDO director and head Trainer.

SIGLAKAS Sports Competition

Moreover, from July to October 2016, members of the Faculty Union and the ANTEU participated the SIGLAKAS sports competition organized by the office, which involved bowling, basketball, volleyball, lawn tennis, and golf.

2016 MASTS Games

To strengthen the chances of the MSU System dominating the 2016 MASTS Games in Tandag City, Surigao del Norte, the institute sent the delegation headed by Dr. Miguel to compete in lawn tennis, swimming, chess, table tennis, and badminton. Hence, the team won:

14 gold medals
12 silver medals
1 bronze

To top it all, the Institute Men and Women Swimming Teams bested all other participants and won the championship.





College of Arts and Social Sciences

MARIE JOY D. BANAWA, PhD
Dean

The College of Arts and Social Sciences (CASS) continues to play a key role in advancing excellence through transformative education in the arts and social sciences. For AY 2016-2017, the College has the most number of scholars under the CHED Graduate Scholarship Program during the K to 12 Transition Period—both as a Delivering Higher Education Institution (DHEI) and as a Sending Higher Education Institution (SHEI)—in the Institute. CASS has a total of 32 scholars from various universities and colleges in Mindanao, and has sent out 11 of its faculty members to pursue further studies under the said program.

True to its commitment in cultivating a culture of responsive and relevant research, CASS conducted the CASS Research and Extension Agenda Setting at the CASSalida Theater in February and crafted an updated research agenda which was officially adopted in July.

The College once again co-hosted two international conferences, the 6th International Conference on Public Organization (ICONPO VI) in Thammasat University, Bangkok Thailand and the 12th International Conference on Humanities and Social Sciences (IC-HUSO) in Khon Kaen University, Khon Kaen Province, Thailand.



Dean Banawa on the MLLP

Its departments have likewise organized various conferences, seminars, and trainings which are of national and regional scope. These include:

- Ika-9 na Pambansang Komperensya sa Filipino
- My Lake Lanao Project Advocacy Workshop
- Public Lectures during the Philippine Sociological Society Caravan 2016
- Globalizing the Local hosted
- Himig Salin: Isayaw Mo, Aawitin Ko... Paghubad sa Wikang Sebuwano, Mëranaw, at Filipino
- My Lake Lanao Project Teachers' Training
- A Forum on the Islamic World View and Its Consequences
- Hugoy-hugoy: Lektyur-Forum sa Wika at Panitikan
- Forum on Policy Shifts in National Governance
- HarvardX Leaders of Learning Massive Open Online Course
- Crash Course in the Teaching of Dramatics and Stage Craft

Seventeen of its faculty are currently engaged in research projects funded by the Office of the Vice Chancellor for Research and Extension, the National Research Council of the Philippines, Toyota Foundation, the International Union for Conservation of Nature-Netherlands, the World Wildlife Fund, Green Livelihoods Alliance-Netherlands, the Samdhana Institute, and the US Embassy in Manila.

Faculty members and students have also been actively participating in knowledge dissemination through paper presentations in national and international conferences and journal publications.

Conferences:

- International Conference of the Asian Association for Lexicography (AsiaLex)
- Sustainable Initiative for the Marginal Seas of East and Southeast Asia (SIMSEA) Regional Forum
- International Conference on Networking Southeast Asia, Korea, and Japan: Facing Urgent and Fundamental Issues
- International Conference on Philippine Studies (ICOPHIL)

Journal publications:

- International Academic Forum Journal of the Social Sciences
- the Journal of Government and Politics of Universitas Muhammadiyah Yogyakarta

To bolster the capability of its faculty, the College conducted two in-service trainings in 2016. Through the Langkit Editorial Board, a workshop on How to Derive Journal Articles from Publishable Manuscripts from Thesis/Special Project/Dissertation was conducted in October at the Institute Board Room. A training on the use of MOLE was also held in September with the help of the MSU-IIT Center for e-Learning (MICeL).

Over 1400 people benefited from the following extension activities conducted by the College:

- Sagip-Aral, Sagip-Buhay seminars on responsible parenthood and values formation
- Series of Voters' Education Trainings
- Bureau of Jail Management and Penology Intervention and Assessment
- Bajau School by the Sea: Alternative Learning System for the Bajau
- Alternative Livelihood for Women in Tambacan
- Reading Towards the Creation of Theater: Enhanced Scaffolding Techniques in Increasing Reading Comprehension Level

To date, CASS has thirteen active international linkages that were fostered through the networks of its faculty members in their various engagements with colleagues and friends.

- Khon Kaen University
- Asia Pacific Society for Public Affairs
- Universitas Muhammadiyah Yogyakarta
- Vellore Institute of Technology
- Center for Southeast Asian Studies, Kyoto University
- University of Malaysia Sabah
- Global Collaboration Center, Osaka University
- National Archives Malaysia
- Hawai'i at Mānoa
- United States Agency for International Development (USAID)
- National Asia Pacific Society for Public Affairs
- Asia Pacific Sociological Association
- International Committee of the Red Cross

Remarkably, CASS is a home of preeminent faculty members who are recognized and awarded by the various international and national organizations.

- Dr. Christine F. Godinez-Ortega of the Department of English was accorded the Education Leadership Award by CMO Asia and the Gawad Paz Marquez Benitez Award by the Unyon ng mga Manunulat ng Pilipinas (UMPIL).
- Dr. German V. Gervacio of the Department of Filipino and Other Languages bagged his fourth Palanca Award for Ang Totoo Raya, Ang Buwan ay Itlog ng Butiki, a collection of poems written for children.
- Faculty members of the Department of Sociology won first place for their paper presentations at the 5th Philippine Association of Extension Program Implementors, Inc. (PAEPI) Biennial Convention and 1st International Conference held in October at the University of San Carlos, Cebu City.
- Dr. Maria Cecilia M. Ferolin and Dr. Nimfa L. Bracamonte's "Developing Successor Generator Thru University's Extension Program" was declared Best Paper under the Education and Culture Category.
- Dr. Liwayway S. Vilorio, et. al, research "Adaptive Strategies of Flood-Prone Communities in Iligan City" garnered the top spot in the Environmental Concerns Category.

Correspondingly, the Institute recognizes the efforts and contributions of its faculty and staff through its Program on Awards and Incentives for Service Excellence (PRAISE). Whereas, four faculty and one staff of CASS were recipient of the awards.

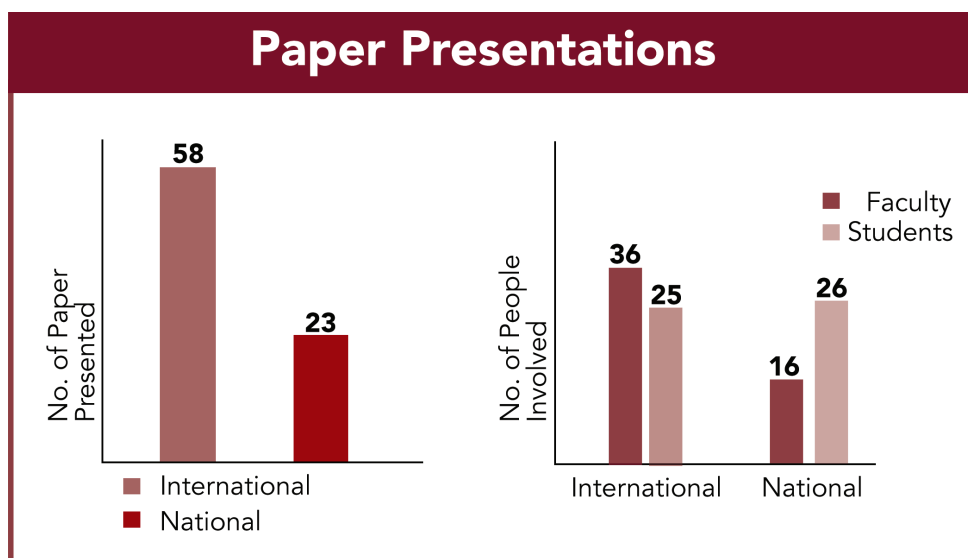
- Dr. Mary Ann S. Sandoval of the Department of Filipino and Other Languages received the College Faculty Instruction Award for her excellence in teaching.
- Dr. Sulpecia L. Ponce and Dr. Maria Cecilia M. Ferolin of the Department of Sociology were accorded the College Faculty Research Award and the College Faculty Extension Award, respectively.
- Dr. Liwayway S. Vilorio of the Department of Sociology was conferred the College Faculty Award, for her noteworthy contribution to the attainment of CASS's goals in all three areas.
- Financial Assistant Fe C. Palmero was given the Best Administrative and Non-Teaching Employee awards.

As part of the Institute's faculty exchange program with Vellore Institute of Technology (VIT), Dr. Alma G. Maranda of the Department of Psychology served as an adjunct professor in VIT's Vellore Campus. Her month-long engagement involved teaching Psychology and Disaster Management courses and participating in a roundtable discussion on possible linkages between MSU-IIT and VIT.

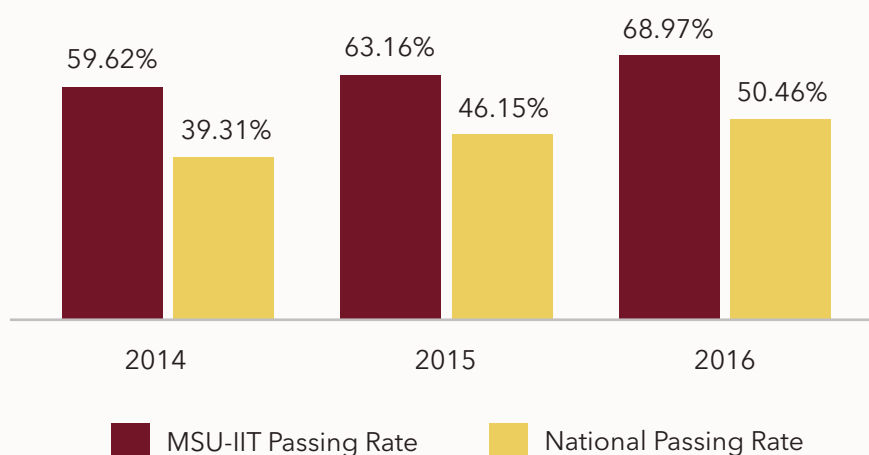
It is not only the faculty and staff of CASS who brought honor to the College, but also their students. As such, BS Psychology graduates continued to fare well in the Psychometrician Licensure Exam, with passing rates consistently increasing every year. Like in previous years, the Institute's passing rate for 2016 (68.97%) was well above the national passing rate (50.46%).

Likewise, CASS alumni and graduate students Lynrose Jane D. Genon and Chanda Pearl B. Simeon participated in the ASEAN-India Student Exchange Programme (AISEP) as part of the Philippine delegation. Out of hundreds of applicants, only 23 students and youth leaders were selected to represent the country. Genon was also one of the 25 Fellows who graduated in the pioneer cohort of the Future Bridging Leaders Program (FBLP) of the Asian Institute of Management (AIM). The program aims to develop youth leaders who will be catalysts for social change.

With these engagements and achievements, a solid foundation for initiatives are lined up for the coming years. Thus, the College remains at the forefront of efforts in deepening the understanding of complex societal issues through instruction, research, and extension.



BS Psychology Licensure Examination



Development Needs

- Peace/Conflict Studies
- Environment (e.g. Biodiversity, Health, Systems, Food Security, Disaster Risk Reduction and Management, Climate Change, Crop Selection, Sustainability Concerns, and Ecopolitics)
- Gender (e.g. Reproductive Health, Children, and Violence Against Women and Children)
- Civil Society and Governance
- Human Behavior in Organization
- Globalization (e.g. Technology, Mass Media, and e-governance)
- Family and Work Dynamics
- Mental Health
- Socialization Process



Curriculum Instructional Materials Development & Classroom Instruction

- Pedagogy
- Evaluation of Curriculum Programs Teaching Methods, etc.
- Tracer Studies



MINSUPALA Studies

- Culture/Cultural Mapping
- Local History
- Ethnography
- Religions
- Bangsamoro Issues
- Politico-economic Landscape
- Biographical Studies

Participatory Mechanisms

- Social Media
- Electoral Dynamics
- Civil Society Organizations

Indigenous People's Concerns

- Belief Systems
- Sacred Sites, Landmarks
- Land Ownership
- Conflict Resolution Strategies
- Living Conditions, etc.

Population Mechanisms

- Demographic Trends
- Internal Displacement
- Human Trafficking

Language and Culture

- Literature
- Linguistics
- Theoretical Linguistics
- Literary Translation and Analysis
- Language Policy
- Language Education
- Language Use and Acquisition
- Language Assessment

Issues on Children

- Children in Conflict with the Law
- Child Bride
- Child Soldier
- Child Labor
- Child Prostitution
- Child Trafficking
- Teenage Sexuality



Policy Studies



College of Business Administration and Accountancy

POLAUS M. BARI, DM
Dean

2016 marks another fruitful year for the College of Business Administration and Accountancy (CBAA); for it has accomplished a number of notable milestones in instruction, research, community engagement, and faculty and student areas.

True to its commitment to deliver the best programs for its students, the college sent selected faculty members to Hong Kong Polytechnic University and Siam University of Thailand for international benchmarking in preparation for its program revision and new program proposals. As expected, CBAA has not only successfully revised its existing programs but has also proposed new programs during the MSU System-wide Academic Planning Conference for Business Education and Business Related Programs.

- BS Economics
- BS Entrepreneurship
- BS Hospitality and Tourism Management
- Master of Business Administration
- Doctor of Business Administration

Consistently, the performance of BSA graduates in the CPA Board Exam is again a stellar to the college. It reached the passing rates of 70.59% in May and 70.69% in October 2016 Board Exams. Remarkably, these rates are well above the national passing rates of 42.84% (May 2016) and 36.48% (Oct 2016).

In its quest for excellence, BSBA program has been successfully granted an AACUP re-accredited LEVEL III status; on the same note that the BSA program continues to give its best in preparing for the soonest schedule of AACUP Phase 2 Level III visit.

Research endeavors of CBAA are evidently stronger in 2016. It conducted 2 research colloquiums and has a growing list of research outputs.

- For the faculty category, there were 4 international paper presentations, 1 international poster paper presentation and 2 local paper presentations. There were also 2 impact assessment studies accomplished and 2 case studies published by the WDI Publishing of the University of Michigan. Importantly, there were 3 funded research projects.

- For the student category, there were 1 international paper presentation, 2 national poster paper presentations and 9 local paper presentations.

CBAA reinforced ties with its 25 major international and local external partners through various community engagement projects and industry linkages.

Extension activities:

- the newly established Center of Innovation and Technopreneurship (CIT),
- DTI's Go Negosyo Center
- the Mentor Me Program

Industry Linkages:

- Australian Research Council
- USAID Oceans
- WorldFish
- Price WaterHorse Cooper (PWC)
- DENR
- DTI
- Bato Balani Foundation
- IdeaSpace Foundation

Finally, 2016 has brought prestigious grants and awards to faculty and students. A total of 5 faculty members were granted FDP/CHED scholarships to study Master and PhD degree programs in Philippine universities and abroad. Furthermore, numerous CBAA students have been awarded for their commendable performances in competitions such as the BPI Sinag U Competition (Champion), Search for the Outstanding Accounting Students of the Philippines 2016 (Finalist), 1st National PWC Merger & Acquisition Challenge (1st runner up), JPIA Regional Mid Year Convention (Champion) and the 2016 International Assembly of UNESCO Clubs (Best Speaker Award).



Champions of the BPI Foundation Sinag Competition



College of Education

JOSEFINA M. TABUDLONG, PhD
Dean

Through the concerted effort and hard work among the college administrators, faculty, staff, and students, along with the strong support of the Institute administrators, the College of Education (CED) renews its Center of Excellence status granted by the Commission on Higher Education (CHED), valid 2016 to 2018. Furthermore, CED qualifies for AACCUP Level III and Level IV Phase II Accreditation in Elementary Education Program and Secondary Education Program.

Dean Tabudlong with OIA Acting Director Esmar N. Sedurifa, and Dr. Ruben Abucayon received the CHED's Plaque of Center of Excellence



In its September Licensure Examination for Teachers (LET), CED is recognized as Top 7 Performing School in the Philippines. Their graduates, Janeth Canama ranked 9th and Gemma Lucanas ranked 10th in the exam. Of the same importance, 35 IDS students have brought home the bacon from regional level competitions. Aside from the regional awards, IDS also receives the Best Presentation for Non-Chemistry Problems, Best Solution for Non-Chemistry Problems and the Best Presentation for Chemistry Problems during the TECH-nnovation Fair 2016 in August 30-31.

Remarkably, Prof. Amelia T. Buan of the Department of Science and Mathematics Education is the only Filipino who belonged to the Intel Education Visionaries (IEV) of approximately 40 education leaders all over the world. She has been chosen for her insight, passion and experience as an educator who implements technology in the classroom, effecting change in education. In her second year as IEV, Buan attended the 2016 Intel Education Conference in June 24-29 in Denver, Colorado, USA, and shared the use of My.IIT app in the teaching and learning processes.

Various academic avenues have, also, been set to widen the possibilities of providing opportunities for both the teachers and the students to grow and be productive in their chosen fields. Oral presentations in national and international arenas abound. Khon Kaen University in Thailand has become a second home to CED-IDS paper presenters. In fact, in June 3-5 during the 4th International Conference for Science Educators and Teachers (ISET 2016), 14 papers were presented. Fifteen more researches got presented in November 12-13 during the 9th International Conference on Educational Research (ICER 2016), and during the 12th International Conference on Humanities and Social Sciences (ICHUSO 2016) another five more researches have international audiences in the said university in November 14-15.

The link between Thailand's Khon Kaen University and CED becomes stronger and more enriched with CED co-hosting the 4th International Conference for Science Educators and Teachers (ISET) and the 9th International Conference for Educational Research (ICER).

Further, CED's ties with other universities is strengthened as it forges Student Exchange Program. In fact, they have sent four of their students to visit Khon Kaen University from September 1-30; and accommodates seven students from Semarang State University (Indonesia) as exchange students from August 2016 to January 2017.



CED has also established links with UP and UNESCO – Resource Distribution and Training Centres (RDTC). This project is aimed at strengthening a network of Teacher Education Institutions (TEIs) by developing their capacities in training teachers to use ICT effectively.

Likewise, CED has made links with the Department of Science and Technology – Science Education Institute (DOST-SEI) with its project Science Teacher Academy for the Regions (STAR). The project aims to boost teaching of Science and Mathematics for the country's transition to the K+12 curriculum.

The quest for internationalization of CED curriculum is evident in its hosting of the 2nd International Conference on Physical Education, Health and Sport in Pearlmont Hotel, Cagayan de Oro City. It has ushered the participation of 21 presenters from CED and IDS. It should be known that MSU-IIT is one of the nine member-universities of the ASEAN Council of Physical Education and Sport (ACPES). Member-countries of this international organization are the Philippines, Thailand, Singapore, Malaysia and Indonesia.

Additionally, three of its faculty members have their paper published in ISI-SCOPUS refereed journals, while researches of nine CED-IDS faculty members are published in peer-reviewed journals. Thirteen of its faculty members are scholarship grantees in select Delivering Higher Education institutions in the Philippines and abroad.

Another feather to CED's cap is its being a founding member of Philippine Teacher Education Network (PhilTEN), composed of COEs in Teacher Education all over the Philippines. PhilTEN is a sub-unit of ASEAN Teacher Education Network.

CED believes that education is not confined within the walls of MSU-IIT. Thus, CED continues its extension programs and projects such as Badjao Literacy Program, English Communication Training for Youth Inmates at Iligan City BJMP through L4YP Foundation, Multi-Skills and Livelihood Training Project, Lesson Study Project, Mentoring the Mentors

with DOST-Science Education Institute, Wellness Program for the Elderly, Iligan for Children Program (i4C), Enhancement and Preservation of Higaonon Culture, Embroidery (Panulom and Beads Panuhog) Training, and Technology and Livelihood Skills Training, and ICTs for Education.

Meanwhile, CED-IDS opens its doors to Senior High School as the implementation of the said education program starts. Thus, IDS population has ballooned to a total number of 886 students: 540 Junior High School and 346 Senior High School. The SHS population is distributed among Accountancy, Business and Management (ABM), Humanities and Social Sciences (HUMSS), Science, Technology, Engineering, and Mathematics, (STEM) and Technical and Vocational (TVL) strands.

It is worth noting the recognition of the four faculty members of CED as recipients of the 1st Program on Awards and Incentives for Service Excellence (PRAISE).

Monera A. Salic-Hairulla
(College Award for Instruction)

Imelu G. Mordeno
(Research)

May A. Canedo
(Extension)

Josefina M. Tabudlong
(College Faculty Award)

With all these achievements, CED-IDS is indeed doing its part in pursuing the path of excellence for the 21st Century Education. It continues to spread its wings and soar high with its 13 PhD and 23 MS/MA holder faculty members.



College of Engineering and Technology

EDGAR ALAN A. DONASCO, LLB, RME
Dean

The year 2016 has set a milestone for the College of Engineering (COE) and the School of Engineering Technology (SET). As per BOR Res. No. 241 series of 2015 dated December 18, 2015, the COE and SET is merged to form a stronger and bolder college– the College of Engineering and Technology (COE&T). During the transition period of the merging, the COE&T will have one Dean and two (2) Assistant Deans: one for the engineering programs and another one for the technology programs. Such development supports the thrust of the institute to become a research university.

COE&T is granted two (2) Centers of Excellence and five (5) Centers of Development by the Commission on Higher Education (CHED). As per CHED Memorandum Order (CMO) # 15 series of 2016 released on March 22, 2016, the programs, Electronics Engineering (ECE) and Mechanical Engineering (ME) are declared as Centers of Excellence. Likewise, in the same CMO, Metallurgical Engineering (MetE), Civil Engineering (CE) and Electrical Engineering (EE) are recognized as Centers of Development (COD). Additionally, CMO 38 series of 2015 awarded COD status to Chemical Engineering (ChE) and Ceramics Engineering (CerE) programs.

Aside from the recognitions and awards received by the college, COE&T is more proud of the outputs and achievements of its students such as:

InnoChallenge: The Junior Hackathon

InnoChallenge: The Junior Hackathon, is one of the highlights of the TECHNNOVATION 2016 which was conducted on August 29-31, 2016. InnoChallenge was an attempt to equip if not strengthen the senior engineering students (InnoBuddies) and future engineering students (InnoJuniors) with innovation and technopreneurship knowledge and skills. It is both a competition and equipping activity intended to harness the creative minds of both senior engineering students and select Grade 11 senior high school students in the different high schools in Mindanao offering STEM. It is a competition wherein the InnoBuddies will team-up and collaborate with Grade 11 senior high school students (InnoJuniors) to provide solutions to engineering problems currently pestering Mindanao. It is hoped that thru InnoChallenge high schoolers will have more opportunities in conducting innovative research in collaboration with engineering faculty that hopefully will spur economic growth in the region.

Champion: Philippines Microelectronics Olympiad

Remarkably, Robert Tac-an Nericua, a 5th year Electronics Engineering student won the Philippine Microelectronics Olympiad given last August 26, 2016. He got the highest score and bested 95 participants from all over the country. Nericua represented the Philippines in the International Microelectronics Olympiad. He had joined the other participants for the final leg in Armenia in Europe from at least 29 countries and territories including Argentina, Armenia, Artsakh, Belarus, Brazil, Chile, China, Colombia, Egypt, Georgia, Germany, Hong Kong, India, Iran, Israel, Jordan, Malaysia, Peru, Philippines, Russia, Saudi Arabia, Serbia, Switzerland, UAE, UK, Ukraine, Uruguay, USA, and Vietnam.

Bronze Medal in the 11th World Skill-ASEAN Skill Competition

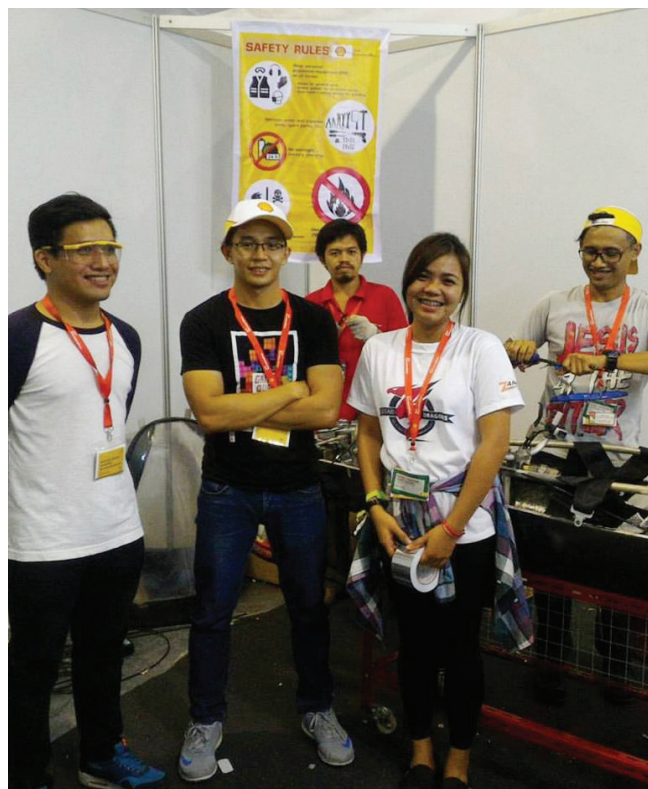
BS in Industrial Automation and Mechatronics (BSIAM) students, Junnel E. Cagampang and Gelmar A. Coniendo, took the bronze medal in the 11th World Skill- ASEAN Skills Competition held in Kuala Lumpur, Malaysia on September 2016. Prof. Erman S. Marajas and Prof Cesar S. Gabo were the team manager and the coach, respectively.





Participation in Layang-Layang and Tarintik

MSU-IIT Dragons (Layang-Layang) and MSU-IIT Dagitab Dragons (Tarintik P-BE) – two teams from COE&T had joined the 2016 Shell Eco Marathon Asia (SEMA) held at the Quirino Grandstand, Manila on March 3-6, 2016. A total of 100 student teams from 17 different countries participated the event and the Philippines, with twenty-eight teams, has the largest contingent.



The Team Layang-Layang competed for the gasoline subcategory with:

- Leonardo Nogas Jr.,
- Vicente de los Santos II
- Aldrei Zamm Recamadas
- Frederick Irving Rico
- Earl Taladua
- Eric Taladua II
- Mark Villanueva (TM)
- Dr. Eliseo Villanueva (FA)

The Team Dagitab competed for the battery electric subcategory with:

- Karl Martin Aldueso
- Fer Mykiel Gonzales
- Rhea Mae Gairanan
- Darryl Dave Ditucalan
- Apollo Clyde Gicum
- Muhammad Khalifah Macadato
- Prof. Kister Genesis Jimenez (TM)
- Dr. Jonathan Maglasang (FA)

TM - Team Manager
FA - Faculty Adviser



Summa Cum Laude

Since its establishment in 1977, the engineering programs of COE&T has finally produced its first Summa Cum Laude. Darryl Dave G. Ditucalan from Bachelor of Science in Electronics Engineering (ECE) was the 2016 COE Class Valedictorian. His cumulative grade point average (CGPA) was 1.1108 and he was also the institute's 2016 class salutatorian.

PRC Performance

Electrical Engineering (EE) was able to maintain its 100% passing rate for five times in a row in the Electrical Engineering Licensure Board Exam given by the Professional Regulations Commission (PRC). EE obtained a perfect passing rate in these board exams: September and April 2016; September and April 2015; and September 2014.

Seven IIT graduates were in the Top 10 of the October 2016 Metallurgical Engineering Board Examinations:

- Aliza Marie Padilla Salces (1st place)
- Jeraldine Pasaol Lastam (2nd place)
- Mary Rose Joy Torres Aparece (3rd place)
- Mark Ianne Ledesma Nuñez (4th place)
- Maria Theresa Reserva Raganas (6th place)
- Stephen John Jamora Sanchez (9th place)
- Artric Jeano Valde Morilla (10th place)

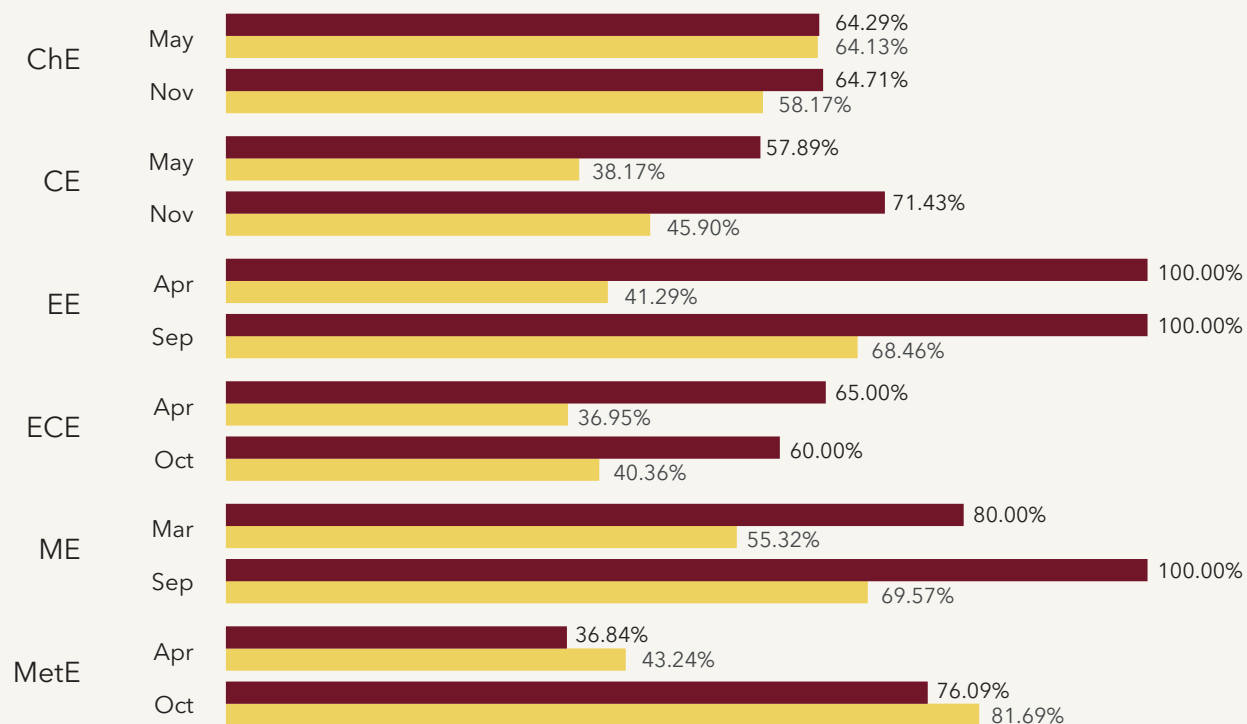
Likewise, Crestore Lex Tapia Capiña clinched the fifth (5th) place of the November 2016 Chemical Engineering Board Examinations.

To carry out the vision of the Institute, COE&T faculty members and students actively engaged in various research activities. Several have presented their scientific papers and received national and international awards in conferences held in South Korea, Singapore, Cambodia, Sri Lanka, Japan, United Kingdom, Brunei Darussalam, VietNam, Thailand, Malaysia and Indonesia.

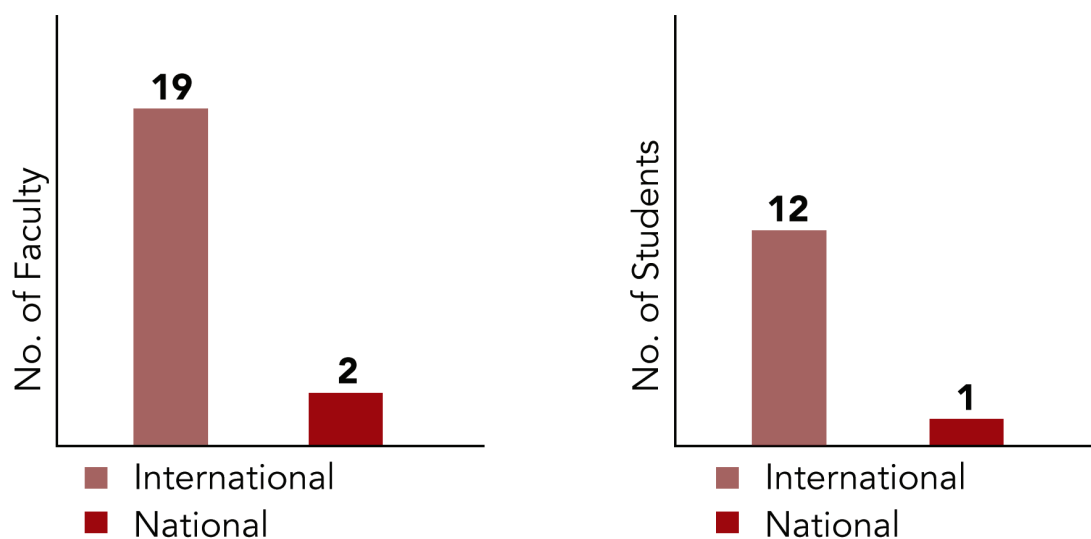


EECE faculty, students and graduates presents papers in Hanoi, Vietnam

Board Exam Performance



Paper Presentations





The College of Science and Mathematics (CSM) continues to uphold its designated roles as Centers of Excellence (COE) in Biology, Chemistry, Mathematics and Physics; and Centers of Development (COD) for Marine Science and Statistics. Such designation testifies the dedication of the faculty, staff, students and the administration in their quest for excellence. Of the thirty three (33) identified K to 12 graduate programs of the Commission on Higher Education (CHED) in MSU-IIT, fifteen (15) are from CSM, per CHED Memorandum Order No. 8, s. 2016.



These exemplary recognitions received by the college is undoubtedly the result of the efforts of its faculty and staff workforce. CSM is geared with sterling faculty whose excellence are renowned and awarded by different international, national, regional and local organization. Most compelling evidence are:

- Dr. Mark Anthony J. Torres- the youngest recipient of the 2016 Metrobank Foundation Search for Outstanding Teachers Award for the higher education competition
- Dr. Myrna Sillero-Mahinay- 2016 Outstanding Chemists from the Professional Regulation Commission (PRC)
- Prof. Charlie A. Lavilla, Jr.- one of the five Filipino researchers and the first from Mindanao to receive the 1st Department of Science and Technology (DOST)-Newton Ph.D. scholarship. He is pursuing a Ph.D. degree in Biomedical Science in Nottingham Trent University, United Kingdom.

CSM takes pride in its Research endeavors where over PhP 80 million of externally-funded researches are currently conducted by the researchers of the college, funded by:

- Department of Science and Technology-Philippine Council for Health Research and Development under the Drug Discovery and Development Program (DOST-PCHRD)
- National Research Council of the Philippines (NRCP)
- Commission on Higher Education program DARE TO (Discovery-Applied Research and Extension for Trans/Inter-disciplinary Opportunities)
- Department of Science and Technology - Council for Industry, Energy and Emerging Technology, Research and Development (DOST - PCIEERD)
- National Fisheries Research and Development Institute (NFRDI) and the UNESCO-ICO-WESTPAC

Likewise, the internally-funded researches of the college has also reached to almost PhP 1 million. Hence, these projects are products of the Research-active CSM faculty:

- Dr. Mylene M. Uy
- Dr. Evelyn C. Creencia
- Dr. Mark Nolan P. Confesor
- Dr. Ephrime B. Metillo

Dr. Mylene M. Uy submitted a patent application (# 12016000489) for her invention, Novel C-11 Terpene Analogues having the Octahydrobenzofuran Skeleton From the Philippine Endemic Plant *Ficus nota* (Blanco) Merr. For Use as Anti-Infectives. Uy is also a recipient of DOST's Novartis Next Generation Scientist Program last November 2015. She went on to a three-month internship as a Research Fellow of Novartis Institute for Tropical Disease Pte. Ltd. in Singapore from July 10-October 9, 2016. Her work also continues with the Natural Substance Center for Mindanao ("Tuklas Lunas" Center).

In their constant pursuit for research and development, Dr. Sergio R. Canoy, Jr. went to the University of Kaiserlautern, Germany for one month as a visiting Researcher/grantee. He was accompanied by the Ph.D. students in Mathematics, Hearty M. Nuenay and Roxanne L. Arco. Both were student visiting Researchers/grantees. Similarly, visiting researcher, Prof. Cresente O. Cabahug of the Physics department, went to the same University in December.

The faculty, staff, and students of the College continue to update themselves in the current trends and advances in science and mathematics through linkages, and extensions, numerous trainings, workshops, publications, researches, presentations and attendance to conventions and conferences. At present, twenty seven (27) of its faculty are currently pursuing Ph.D. studies in MSU-IIT, Manila, Laguna, Korea, Taiwan, New Zealand, France and in the United Kingdom.

Notably, CSM has hosted fifteen (15) scientific visits of scientific experts. Among the visiting professors were:

Scientific Visits of Scientific Experts



- Prof. Rene Luna-Garcia and Dr. Owen Proudfoot (Burnet Institute, Australia) - Dr. Rene Luna-Garcia (Instituto Politecnico Nacional, Mexico)
- Dr. Roland Neil Perry (University of Hertfordshire, UK)
- Dr. Sergei Spiridonov and Dr. Elena Ivanova (Russian Academy of Sciences)
- Dr. Stephane Monteil (Blaise Pascal University, Clermont-Ferrand, France)
- Prof. Eiichi Isogai (Niigata University, Japan)
- Prof. Chikara Uno (Akira University)
- Dr. Eli Christopher Enobio (Tohoku University)
- Dr. Maria Elizabeth Boncodin-Naredo (IRRI)
- Dr. Marcos B. Valdez, Jr. (FEU)
- Dr. Grecebio Jonathan D. Alejandro (UST)
- Dr. Christopher C. Bernido and Dr. Maria Victoria Carpio-Bernido (Research Center for Theoretical Physics, Jagna, Bohol)
- Dr. Ludwig Streit (Universidade da Madeira, Portugal)

CSM, having hosted the seminar-workshop on graph theory and optimization, has initiated the first phase of the implementation of the Deutscher Akademischer Austauschdienst (DAAD)-supported GraTho project. The project is a 4-year partnership program with Technische Universität Kaiserslautern (TUKL), Germany, Tribhuvan University-Institute of Science and Technology (IOST), Nepal and MSU-IIT.

The first-ever Mobile Museum Boxes worth Php1,290,000.00 was launched in January at the CSM Lobby. The project is supported by the Toyota Foundation, which was first initiated in 2015 by Mr. Emerito B. Batara, Museum-in-charge of the Natural Science Museum of CSM, Dr. Ayumi Terada, Assistant Professor, the University Museum, the University of Tokyo, and Dr. Luisito T. Evangelista of the National Museum of the Philippines. Dr. Akira Matsuda, Associate Professor, Graduate School of Humanities and Sociology, University of Tokyo, Director Jeremy Barns and Deputy Director Ana Maria Theresa Labrador of the National Museum of the Philippines attended the launching. The project aimed to promote appreciation of "The Diversity of Natural History of Mindanao".

The year 2016 ended with a milestone for the college, as the Premier Research Institute of Science and Mathematics (PRISM) was finally inaugurated

in December 2. PRISM gives faculty-researchers a more advanced and laboratory-intensive research undertakings, and a much sufficient space to house state-of-the-art equipment and research facilities. Thence, this research institute opens doors of bigger opportunities, enhances research capabilities, and allows the development of advanced knowledge and the exploration of other possibilities.

Indeed, the recent signing of a Memorandum of Agreement with the National Taiwan University is a testament of the continuing efforts of the College to widen its spectrum of linkages, in order to strengthen its research capabilities.





College of Nursing

ROSELYN M. BUTALID, RN, MAN
Dean

The College of Nursing (CON) remains victorious in upholding its title as a top performing nursing school in the Philippines. In the November 2016 Nurse Licensure Examination (NLE), the college was recognized by the Professional Regulations Commission (PRC) Board of Nursing as Top 5 Performing Nursing School nationwide with 97.3% passing rate as compared to the 47.73% national passing rate. Likewise, the beacon of CON in the November NLE takers, Jubelle May Abarquez Sipalay, placed 7th (85.20 %). The college has a total of 77 graduates in 2016.

Respective Certificates of Recognition were awarded by Hon. Glenda S. Arquiza, PhD, RN, member, Professional Regulation Commission Board of Nursing PRC-BON during the Oath-taking ceremony at the Ballroom, Grand Caprice Restaurant in Cagayan de Oro City.



In its pursuit for excellence, CON remains steadfast and dynamic in the areas of instruction, research, extension, and community involvement. The college initiated a restructuring of its curriculum with the Outcomes-Based Education (OBE) paradigm. It aims to provide educational theory that threads a higher order of learning, and a meaningful educational experience for its students. Added to the year's best opportunities in raising the bar of excellence are the College Strategic Planning Session, Curriculum Summit on the Bachelor of Science in Nursing Program among MSU Campuses, ISO seminar-workshop, Orientation on CHED Memo Order No. 1 Series of 2015 "Establishing the Policies and Guidelines on Gender and Development in CHED and Higher Education Institutions (HEI's), Orientation on the Program to Institutionalize Meritocracy and Excellence in Human Resource Management (PRIME - HRM) with the Civil Service Commission, and OBE follow-through sessions with Dr. Edgar W. Ignacio, Vice Chancellor for Academic Affairs.

CON's faculty development program is strengthened with the existing three (3) faculty grantees for the Doctor's degree in Nursing Science at Cebu Normal University and one faculty member on his own for

the PhD degree in Nursing in Silliman University. As part of its development program, 85% (22/26) of the faculty members engaged in professional trainings, seminars, workshops and conferences related to their respective specializations.

The university's support for research work is strongly recognized. There were 21 research presentations in regional, national, and international conferences. Most compelling evidences are:

- Assistant Professor IV Geraldine S. Ridad's Professional Researcher Award during the International Conference on Medical Science Technology (ICMT) 2016 held in Bandar Baru Bangi, Malaysia.
- One (1) faculty member's research work in the production of technologies for commercialization and livelihood improvement is already for patent, with its application filed to the IPO Phil.
- Two (2) College researches that are funded by the Institute with Dean Butalid as the project leader.
- One (1) project, "the Mindanao Center for Resiliency", funded by OVCRE with Neil M. Martin and Jaypee S. Yongco, in collaboration with CON and PPD.



2016 Strategic Planning

In its support for the Institute's vision of becoming a Research University, all faculty and staff participated the research capability training on: "ASEAN Integration: Nursing Challenges and Solutions in Research," with Dr. Erlinda C. Palaganas, President of the Philippine Nursing Research Society, Inc. (PNRSI) and Krisette Grace F. Campilan, Project Staff of the Region VII Regional Health Research and Development Consortium (RHRDC). Likewise, with PNRSI partnership, the college was able to receive book donations from Dr Cindy Leigh Beta of the Nu Delta Nursing Society, Australia.

The college, also, provided an avenue for its students to engage in research. As such, their students organized The 7th Nursing Research Conference, with the theme: "Translation of Research Outputs to Advance Evidence-based Quality Care." Invited research experts screened the output for oral and poster presentations during the plenary and parallel sessions, respectively. Research dissemination and validation of research findings were identified as robust mechanisms propelling research and extension to where CON works with people and the community.



2016 BJMP

CON's linkages using the WE CARE framework flourished this year to ten (10) partnerships with LGUs, industries, small and medium enterprises, local entrepreneurs, and other national agencies which ensure community extension and engagements with:

- Bureau of Jail Management and Penology (BJMP) for Prison Health Care at Iligan City Jail with the LGU
- City Health Office and the stakeholders
- Institute for Peace and Development in Mindanao (IPDM) with the SPED Center of Iligan City responding to the special health needs of children
- Life Project for Youth Foundation (LP4Y) Health Education Among the Differently-able (HEAD) project
- Road to Recovery Retreat House on Prevention of Drug Addiction lecture series
- Non-violent Peaceforce and Voluntarism for Community Engagement Program (VOCEP) for the health component

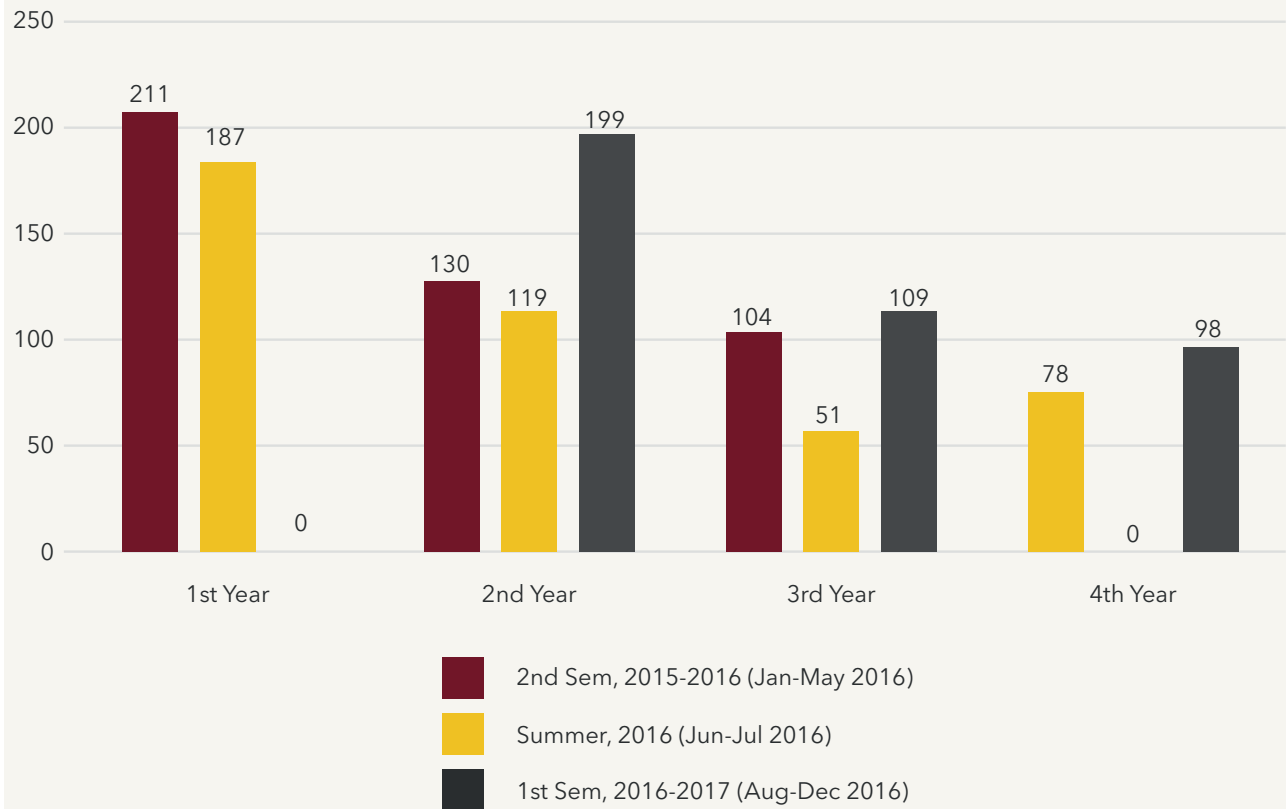
Furthermore, Prof. Vincent G. Tabil and Prof. Art S. Escabarte of the college of Nursing discussed with Dr. Sauwamas Khunlan Theunnadee and the Nursing faculty of Khon Kaen University, Thailand their MOU, highlighting cooperation strategies. These Nursing Education Institutions discussed matters relating to faculty and student exchange program, research and extension collaboration, to include major areas in Community Health Nursing, Family Health, Mental Health and Psychiatric Nursing and Adult Nursing.

Remarkably, the year ended with a recognition of the exemplary faculty of the college. The MSU-IIT PRAISE Awardees of the college were awarded during the Institute's Christmas Party.

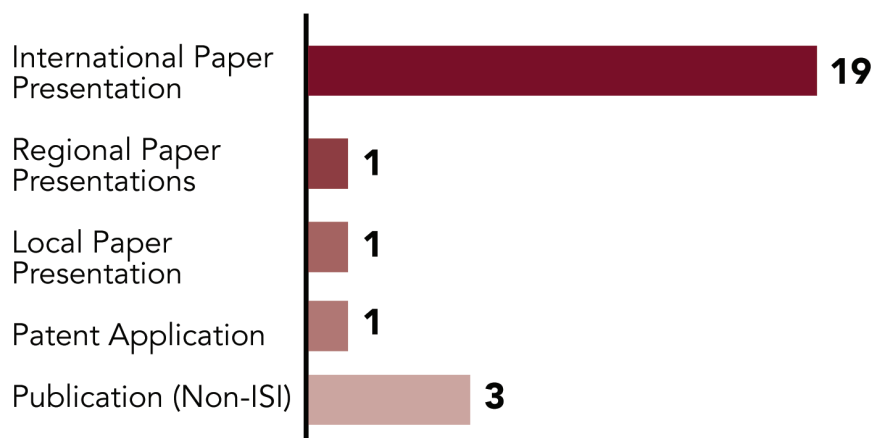
- Roselyn M. Butalid- College Faculty Research Award
- Gloria Sheila E. Coyoca- College Faculty Award
- Leah May P. Madjus- College Faculty Instruction Award
- Karen R. Veloso- College Faculty Extension Award

At present, CON strives for the AACUP Level III accreditation and is currently working on its proposed graduate program.

College of Nursing ENROLLMENT DATA



Publications





School of Computer Studies

ADRIAN P. GALIDO, PhD
Acting Dean

The School of Computer Studies (SCS) is now a Center of Development (COD) in Information Technology, effective 2016 and valid until 2018, per CHED Memorandum Order (CMO) no. 38, s. 2015.

Two of the notable months for the School are:

February- the newly constructed Information and Communications Technology Center (ICTC)/ School of Computer Studies Academic Building was formally turned over to the Institute; thus, making it available and useful to SCS students, faculty, staff, and visitors.

December- three faculty members of the College were awarded as Outstanding Employees of MSU-IIT in terms of Extension, Research, and College Instruction.

In its support to the Institute's vision of becoming a Research University, SCS faculty actively participated in various national and international research conferences. Eleven of whom presented their research papers and received best paper presentation awards. In fact, they have one on-going research project that is externally funded by DOST PCIEERD Project; and another research project which is sponsored by the institute.



SCS Faculty Members during the NCITE 2016 in Dipolog

Likewise, in its commitment to deliver the best learning input to its students, the School takes initiative to improve its existing syllabi. Faculty members participated in a series of workshops on blended classroom management conducted by MSU-IIT Center for eLearning (MICeL). Also, to keep abreast with the new trends, issues, and the continuing challenges of the ICT field, faculty members participated in several conventions and trainings, such as Coding Bootcamps, Youth Congress in IT, Startup Bootcamps, ICT Cluster Exhibits.

As it is not enough to create but also to share and spread knowledge, SCS is vigorous in conducting community extension services, especially those that are considered "digital minorities". It managed:

- Origin Project - a program initiated by a foreign organization Life Program for Youth (LP4Y). The project is composed of different Life Programs intended to enhance the well-being of the deprived and marginalized youth. Some of these programs are ICT literacy and job-enabling training.

- Voter's Education Training - for first time voters in three different barangays of Iligan.

Importantly, SCS organized and hosted the annual Iligan City Computing Fair (ICCF) together with the representatives of Iligan City's Department of Information and Communications Technology. Such fair is known to be the first organized annual ICT fair in the Philippines, which started in the year 2002. The ICCF 2016 gathered approximately 300 students and teachers from the 21 academic institutions in Mindanao. Hence, the event enabled students, teachers, and professionals in Iligan City and neighboring communities to learn, share, and experience the fun of computing through different ICT competitions in the Visual Arts and Programming.

Remarkably, it has lived up to its reputation as the training ground of competitive and challenge-oriented students, as the school competed during the 2016 DOST Startup Challenge National Finals and Benilde Prize Social Enterprise Finals.



School of Graduate Studies

ALITA T. ROXAS, DM
Dean

The School of Graduate Studies (SGS) is consistent in expanding its horizons; as it did not only increase its population but also mark significant rise in scholarships, community partnerships, and national/international participation in research-related activities.

Scholarships

In the first semester of the Academic Year (AY) 2016-2017, there are 49 Graduate students who have earned and are enjoying scholarships that are funded by Institutions, foundations and organizations outside the Institute; and in the second semester of the same school year, 46 SGS students availed the same externally funded scholarships.

- One scholar from the College of Education (CED) is funded by the Department of Science and Technology (DOST), and one is funded by the Philippines Australia Human Resource and Organizational Development Facility (PAHRODF);
- Five scholars from the School of Computer Studies (SCS) are funded by the DOST-Engineering Research and Development for Technology (DOST/ERDT) and three are supported by CHED-FDP;

- Two scholars in the College of Arts and Social Sciences (CASS) are funded by PAHRODF, another scholar is funded by CHED Faculty Development Program (FDP);
- Eight scholars of the Culture and Arts Studies Program (CAS) are funded by the National Commission on Culture and Arts (NCCA);

Significantly, it is during the year that the new K+12 scholarship program of the Commission on Higher Education (CHED K+12) started its implementation, withal, twenty-six (26) scholars from CASS, CBAA-MBM and SCS are enjoying the grant in the first semester, and twenty-three (23) in the second semester.

The Institute continues to support the growth of its employees, and thus, in the year 2016 the MSU-IIT FDP scholarship funded two faculty in SCS; and three from CBAA-MBM, one of whom graduated in June 2016. Likewise, the MSU-IIT's Administrative Non-Teaching Employees Union (ANTEU) supported one employee from CASS and one from SCS.

International, Local/National Travels funded by SGS
The School also supports the Research and Development endeavors of the Graduate faculty and students, both national and international.

- February 28 to 29, graduate student of CAS, Ian Embradura, presented his paper in Langkit 2016: Language, Kultura, and the Integration of Technology in Marawi City.
- April 4, Dr. Pamela F. Resurreccion, the graduate coordinator and faculty of CBAA-MBM, traveled to Iloilo City for a Case Writing Workshop hosted by USAID – STRIDE
- October 20 to 22, Joneil Medina, graduate student of CED, participated the 20th Anniversary Special International Conference on Mathematics.

- November 14 to 15, Prof. Ma. Theresa Villabona, graduate coordinator and faculty of the CASS Department of English and graduate student, Kimberly Jhie Alejandrino, traveled to KhonKaen University (KKU) of Thailand to present their Research in the 12th International Conference on Humanities and Social Sciences (ICHUSO 2016).
- November 12 to 13, graduate student Joel Semilla from CED joined the 9th International Conference on Educational Research hosted by KKU.
- November 17 to 18, the Assistant Dean of the School of Graduate Studies, Prof. Nieva M. Mapula, presented her paper in AUN/SEED-Net Regional Conference on Electrical and Electronics Engineering (RCEEE) in Hanoi University of Science and Technology, Vietnam.
- November 18, Simeon Chanda Pearl, a graduate student from the History Department participated in the 2016 ASEAN -India Student Exchange Program in New Delhi, India.



- November 22 to 23, Dr. Liwayway S. Vilorio, presented her research project in Lake Ecosystems Assessment in the Philippine (LEAP): A Science and Policy Forum for Sustainable Laguna Lake Management, Tagaytay City.

Research & Extension

Two graduate faculty are finishing their two externally funded research projects and one internally funded research. Significantly, Prof. Liwayway S. Vilorio and Prof. Myrma Jean A. Mendoza completed their internally funded Research, entitled Sustainable Development Studies End-User Survey: Relevance of SDS Learned Competencies to Work Performance.

Of the same significance are the three community extension engagements that the SGS faculty and students initiated and attended. The Sociology Department with their graduate students undertook initial efforts to establish an SDS community extension project at Barangay Santiago, Iligan City and drafted a Memorandum of Agreement with Sendong Women Survivor Cooperation as beneficiary of the Automated Drop Irrigation System for Urban Gardening.

A linkage has also been established with the Department of Education-Iligan for the program: Trainings for Filipino High School Teachers.

Seminar | Training | Workshop | Lecture Conference

Colleges and Schools connected with SGS have attended seven seminars, trainings, workshops and lecture conferences. Notably, in December 3, CED graduate students in the program Master of Arts in Education Major in Reading conducted a seminar-workshop entitled Enhancing the Teaching of Reading to the 21st Century Learners to selected elementary and high schools in Iligan City.

Awards

The Sustainable Development Studies (SDS) paper is recognized as the Best Paper in Environmental Concerns, entitled Adaptive Strategies of Flood-Prone Communities in Iligan City, by the Philippine Association of Extension Program Implementors, Inc. (PAEPI). On the same year, SDS is awarded with College Faculty Award in 2016.

Remarkably, Dr. German V. Gervacio, a Graduate faculty of SGS and a faculty of the Filipino Department, received the Palanca Memorial Awards for Literature in August 2016.



First Semester, AY 2016-2017

Form of Scholarship	College/School	Year Level					Total
		I	II	III	IV	V	
DOST	CED					1	1
DOST/ERDT	SCS	2	2	1			5
CHED K+12	CASS -FIL	8	1				26
	CASS -HIST		1				
	CBAA -MBM	1					
	CASS -ENG	6	4				
	SCS	5					
PAHRODF	CASS -ENG	1					1
ANTEU	CASS -ENG		1				1
MSU IIT FDP	CBAA - MBM			1*			1
	SCS		1	1			2
CHED FDP	SCS	1	1	1			3
	CASS -ENG		1				1
National Commission on Culture and Arts	CASS -CAS	2	6				8

*Faculty graduates last June 2016

Second Semester, AY 2016 - 2017

Form of Scholarship	College/School	Year Level					Total
		I	II	III	IV	V	
DOST	CED					1	1
DOST/ERDT	SCS	2	1				3
CHED K+12	CASS -FIL	11	2				13
	CASS -HIST	1	1				2
	CBAA -MBM	1					1
	SCS	6	1				7
CHED -FDP	SCS		1	1			2
	CASS -ENG		1				1
PAHRODF	CASS -HIST	1					1
	CED	1					1
MSU -IIT FDP	CBAA -MBM			2			2
	SCS		1	1			2
ANTEU	SCS	1					1
	CASS -ENG		1				1
National Commission on Culture and Arts	CASS -CAS	2	6				8

International Travels				
Graduate Faculty travel funded by SGS Graduate Student travel funded by SGS				
Name	Kind of Program	Venue	Duration	Major Sponsor/s
Simeon Chanda Pearl	2016 ASEAN -India Student Exchange Program	New Delhi, India	November 18 - 30 2016	Phil -India
Pamela F. Resurreccion (Local)	Case Writing Workshop	Ilo -ilo City	April 4 -6, 2016	USAID - STRIDE, William Davidson Institute/University of Michigan
Alita T. Roxas				
Ma. Theresa S. Villabona (Graduate Faculty)	12th International Conference on Humanities and Social Sciences: Social and Cultural Geography	Khon Kaen University, Thailand	November 14 - 15, 2016	Khon Kaen University
Kimberly Jhie E. Alejandrino (Graduate Student)	12th International Conference on Humanities and Social Sciences: Social and Cultural Geography	Khon Kaen University, Thailand	November 14 - 15, 2016	Khon Kaen University
Joneil B. Medina (MSciEd - Mathematics)	20th Anniversary Special International Conference on Mathematics Education	Ateneo de Manila University, Quezon City, Philippines	October 20-22, 2016	
JRoel B Semilla (MAED Reading)	9 th International Conference on Educational Research	Khon Kaen, Thailand	Nov 12 - 13	
	12th International Conference on Humanities	Khon Kaen, Thailand	Nov 14 - 15	

Local/National Travels				
Graduate Faculty travel funded by SGS Graduate Student travel funded by SGS				
Name/Title of Papers Presented	Kind of Program	Venue	Duration	Major Sponsor/s
Acceptability of Federalism as a Form of Government of the Philippines among Various Sectors in Iligan City (Presenter)	National Conference of the Philippine Sociological Society	Ateneo de Davao University, Davao City	October 7-8, 2016,	Philippine Sociological Society
Philippine Government Structural Reform From Unitary to Federal: Views from Government and Private Sectors (Co - author)	12 th International Conference on Humanities and Social Sciences (IC -HUSO 2016)	Khon Kaen, Thailand	November 14 - 15, 2016	IC -HUSO 2016
Adaptive Strategies of Flood-Prone Communities in Iligan City (Presenter)	5 th Biennial Convention and 1 st International Conference of the Philippines Association of Extension Program Implementors, Inc. (PAEPI)	University of San Carlos - Talamban Campus, Cebu City	October 26-28, 2016	Philippine Association of Extension Program Implementors, Inc.

Linkages <i>for colleges/schools and OVCRE</i>			
Tie-Up Institutions	Kind of Program	Duration	Outcome in 2016
DepEd Iligan	Trainings for Filipino High School Teacher	64Hours	On going

Awards				
Kind of Award	Recipient/s (Individual/Program/ Dept./Institution)	Level of Award Received	Date/Venue	Sponsor/ Awardin Bodies
Palanca Award	Dr. German V. Gervacio	National	August,2016 , Manila	Palanca Memorial Awards for Literature
Best Papers (First) in Environmental Concerns entitled "Adaptive Strategies of Flood-Prone Communities in Iligan City)	SDS	National/ Intenational	Oct. 26 -28, 2016	Phil. Association of Extension Program Implemetors, Inc. (PAEPI)
College Faculty Award, CASS	SDS	College	Dec. 19, 2016	MSU -IIT

Paper-Poster Presentation for colleges/schools only (funded by SGS)				
Name	Kind of Presentation	Title	Date/Venue	Sponsor/s
Alita T. Roxas				
Nieva M. Mapula	AUN/SEED - Net Regional Conference on Electrical and Electronics Engineering (RCEEE)	A 500MHz Delay -Locked Loop with Smart Controlled Phase Frequency Detector	November 17-18, 2016/ Hanoi, Vietnam	Hanoi University of Science and Technology
Ma. Theresa S. Villabona (Graduate Faculty)	12th International Conference on Humanities and Social Sciences: Social and Cultural Geography	Khon Kaen University, Thailand	November 14-15, 2016	Khon Kaen University
Kimberly Jhie E. Alejandrino (Graduate Student, MAELS)	12th International Conference on Humanities and Social Sciences: Social and Cultural Geography	Khon Kaen University, Thailand	November 14-15, 2016	Khon Kaen University
Ian S. Embradura (Graduate Student, MCAS)	Langkit 2016: Language, Kultura, and the Integration of Technology (1st Annual National Conference)	Mindanao State University - Marawi	February 28 - 29, 2016	Mindanao State University - Marawi
Liwayway S. Viloria, Ph.D.	Lake Ecosystems Assessment in the Philippine (LEAP): A Science and Policy Forum for Sustainable Laguna Lake Management	Socio-economic and Political Dimensions of the Lake Lanao Sustainable Development Project (Presenter, Research Project-Study 2 Leader)	November 22-23, 2016, Tagaytay City	NRCP, DOST, DENR, Laguna Lake Development Authority, etc.

Research & Extension
for colleges/schools and OVCRE

Title	Proponent	Funding Source	Budget	Status in 2016
Morphohikal at Sintaktikal na Pagsusuri ng mga Wikang Cebuano, Hiligaynon, Maranao, at Magindanaw: Tungo sa Pagdevelop ng Hanguang Materyal ng Ilang Mayoryang Unang Wika sa Mindanao para sa Programang MTB -MLE	Faculty of FIL. DEPT.	CHED	P233,790	Almost Done
Voices from Within: Anthologizing and Characterizing Philippine Literature during the Japanese Occupation	Arig, Melicent J. Balgoa, Nelia G. Banawa, Marie Joy D. Villabona, Ma. Theresa S. (Proponents) Kimberly Jhie E. Alejandrino Ian S. Embradura Lynrose Jane D. Genon (Research Assistants)	Office of the Vice Chancellor for Research and Extension	Php 254,936.00	On-going (Gathering of Related Literature and Studies)
Research				
Water Resource Utilization and its Implication to Socio-economic Development of Lake Lanao	Liwayway S. Viloria, Ph.D., Sulpecia L. Ponce, Ph.D., and Myrma Jean A. Mendoza, Ph.D.	NRCP		On-going
Sustainable Development Studies End-User Survey: Relevance of SDS Learned Competencies to Work Performance	Liwayway S. Viloria, Ph.D., and Ramelyn L. Bracero	SDS	Supplies and Materials	Completed

Seminar/Training/Workshop/Lecture Conference			
Title	Faculty	Venue	Date
National Historical Commission of the Philippines 2016 Training Seminar Series 1. Historical Method	Marjorie Almario Magdadaro	Davao City	August 18 -20,2016
Series 5. Academic Writing	Trizer Dale Mansueto	Ermita,,Manila	December 5 -7, 2016
Institute Strategic Policy Summit	April 20 -22, 2016, MSU -IIT, Iligan City	MSU-IIT	1. Institute Strategic Policy Summit
Third Inter -campus Curricular Consultation	February 8, 2016, MSU -IIT, Iligan City	Department of Sociology, MSU - IIT, MSU -Gensan and MSU -Marawi City	2. Third Inter - campus Curricular Consultation
Workshop on Academic Journal Publication	February 8, 2016, MSU -IIT, Iligan City	Department of Sociology and Philippine Sociological Society	3. Workshop on Academic Journal Publication
Contemporary Politics and Sociology of Religion	February 26, 2016, MSU -IIT, Iligan City	Department of Sociology and Philippine Sociological Society	4. Contemporary Politics and Sociology of Religion
Urbanism in the 21 st Century by Dr. Trevor Hogan	February 1, 2016	CASS and Department of Sociology, MSU - IIT, Iligan City	5. Urbanism in the 21 st Century by Dr. Trevor Hogan
Lake Ecosystems Assessment in the Philippines (LEAP): A Science and Policy Forum for Sustainable Laguna Lake Management	November 22 -23, 2016, Tagaytay City	NRCP, DOST, etc.	6. Lake Ecosystems Assessment in the Philippines (LEAP): A Science and Policy Forum for Sustainable Laguna Lake Management

Others - accomplishments that can not be entered in the appropriate format above, concerned units are required to describe in accordance to what is appropriate and proper.



Office of the Vice Chancellor for Research and Extension

JINKY D. BORNALES, PhD
Vice Chancellor

Supporting Research and Development. Engaging and Building the Community. Nurturing Innovation and Technopreneurship. Forging Partnerships and Collaborations.

These key priority areas which defined the directions and initiatives of the Office of the Vice Chancellor for Research and Extension (OVCRE) strengthened the momentum of becoming a research university. As OVCRE relentlessly works towards achieving sustainable growth in the identified priority areas, 2016 ended with significant milestones.

Most notable milestone is the inauguration of two offices, the iDEYA: Center of Innovation & Technopreneurship at MSU-IIT (CIT@MSU-IIT) and FabLab Mindanao. Two new heads of offices are also named. Dr. Darwin Manubag is appointed Director for the Department of Extension (DE) replacing Dr. Nimfa Bracamonte who retired in March while Professor Septrin John Calamba now heads the Center for Local Governance Studies (CLGS).

Supporting Research and Development

The culture of research is gaining grounds in the Institute. Instituted policies and initiatives of the Department of Research (DR) to encourage and support more research undertakings in the Institute contributed to the strong outcome in research productivity.

Internally funded projects as well as researches with external funding grants have increased. More faculty researchers answered the call for proposals by different funding agencies to deliver high quality and innovation-focused researches. A number of research and development activities are multidisciplinary and collaborative that feature close engagements with industry and the wider community to meet their respective needs. Researches conducted or approved for implementation particularly externally funded researches are now geared towards finding solutions to emerging issues and challenges.

International paper presentations and research publications in reputable refereed journal or ISI (Institute for Scientific Information) indexed journals are also on the rise. The OVCRE remains focus on providing an enabling environment that strengthens research and development activities with strong outcomes and impacts.

Engaging and Building the Community

In February, the Department of Extension (DE) spearheads the first Community Extension Day at the Institute Gym entitled Ang Panagtagbo.

Ang Panagtagbo is a gathering of Institute constituents and community partners in a one-day activity of exhibits, product displays, demo teaching, and a forum on best practices. The event showcases gains and achievements of the growing extension culture in the Institute.

In November, OVCRE celebrates Building Resilient Communities (BRC) through the Department of Extension. The event highlights good practices and initiatives of MSU-IIT and partner communities on Climate Change Adaptation – Disaster Risk Reduction Management (CCA-DRRM).

BRC 2016 serves as a venue to conduct awareness raising and capacity building activities towards developing and strengthening pool of trainers on CCA-DRRM and to showcase and disseminate CCA-DRRM research and extension activities.

Nurturing Innovation and Technopreneurship

Recognizing that collaboration builds synergies and innovation drives progress, OVCRE in August celebrates Innovation Convergence Month. Innovation convergence is a collaborative consortium between MSU-IIT and different innovation enabling centers and offices, various agencies, and industry partners in Iligan City aimed at fostering a sustainable innovation ecosystem.

In this event, three new innovation enabling centers and offices are launched:

- iDEYA: Center of Innovation and Technopreneurship @ MSU-IIT, the first Technology Business Incubator in Mindanao and co-funded by DOST –PCIEERD
- FabLab Mindanao, a Shared Service Facility Project of the Department of Trade and Industry (DTI) that is a digital fabrication laboratory which will transform ideas to designs and designs to manufacturable prototypes
- MSU-IIT InnoHive or Innovation Hive, a mentoring and learning hub for students, faculty and staff on the aspects of technology development, IP awareness and protection, patent searching, and data mining. It is also a facility where peers, faculty mentors, industry partners can discuss collaborative and innovative research projects

Launching of FabLab Mindanao



These new centers add to existing innovation and technopreneurial facilities of MSU-IIT under the Technology Application and Promotion Unit (TAPU) Centers: the Bamboo Technology Resource Center (BTRC), the Ceramic Training Center (CTC), and the MSU-IIT Intellectual Property Unit-Innovation and Technology Support Office (IPU-ITSO).

One of the activities in August is the 2nd Technology and Innovation Fair in MSU-IIT dubbed Technnovation 2016 that showcases innovative technologies developed by researchers, lectures, InnoChallenge Junior Hackathons, and industry-linkage meetings. It was hosted by the Intellectual Property Unit-Innovation and Technology Support Office (IPU-ITSO) and co-hosted by the College of Engineering (COE). Technnovation 2016 is part of MSU-IIT's bold strides towards developing a strong innovation culture in the Institute.

Forging Partnerships and Collaborations

Partnerships are vital to the activities of OVCRE. The different OVCRE offices engage local and international agencies as partners in R&D development efforts, in the delivery of extension services and community engagements, and in the transfer of technologies. Vice Chancellor for Research and Extension Dr. Jinky B. Bornaes has collaborated with eminent international researchers namely Dr. Wolfgang Bock of the Technical University of Kaiserslautern, Germany and Dr. Samuel Eleuterio from Lisbon University, Portugal on research project in polymer physics and the stochastics of self-avoiding random walks.

The research collaboration led to a Memorandum of Understanding between Technical University of Kaiserslautern and the Institute for faculty exchanges, student scholarship opportunities for advanced studies, and research collaborations.



VCRE Bornaes at Makerspace Technical University Munich (TUM)

The efforts of the VCRE also resulted in a collaborative project financed by the German Academic Exchange Service (DAAD). The VCRE also forged a partnership between MSU-IIT, the Technical University of Kaiserslautern, and the Tribhuvan University-Institute of Science and Technology (IOST) in Nepal and had its first joint activity which is a seminar-workshop on graph theory optimization from June 13-24, 2016 at MSU- IIT.

Throughout the year, OVCRE continues to provide supportive enabling environment and relevant policies to ensure prosperity of research, innovation, and techno-entrepreneurship. Progress towards attaining goals is made through collaborative endeavors which are hallmarks of strategies and aspirations. Offices continues to forge partnerships and linkages to ensure more efficient and proactive research and extension.



Signing of the Renewal of MOA for Innovation and Technology Support Office (ITSO) Franchise

Department of Research

FRANCO G. TEVES, PhD
Director

The Department of Research continues to assist the different Colleges in their research and development (R&D) engagements.

The Department of Research (DR) is the home unit of three vital support committees for R&D namely: Institutional Biosafety Committee (IBC), Institutional Ethics Review Committee (IERC), and the newly formed Institutional Animal Care and Use Committee (IACUC).

The 14th year of the Institute's Annual In-house Review of R&D Projects showcases 25 poster papers and seven faculty, five graduate student, and three undergraduate student research papers.

R&D enhancement and dissemination programs for regional, national, and international competitiveness come in three forms: (1) conducting, organizing, and hosting scientific fora, symposia, seminars, and workshops; (2) publication in peer-reviewed journals; and (3) paper presentation in professional conferences.

In addition DR also organized, hosted, and conducted seminars, trainings and other activities:

- National Academy of Science and Technology (NAST) "Roundtable Discussion and Workshop on Mindanao Higher Education Institutions: Meeting the Challenges in Microbiology Education for the Industry." The event was attended by research managers from various HEIs in Mindanao with Dr. Asuncion K. Raymundo, NAST Academician and UPLB Professor Emeritus and Dr. Franco G. Teves, Director of Research, as main discussants.
- "Biosafety and Biosecurity Awareness Program" for Institute constituents was conducted by the IBC Chair and Institute Biosafety Officer Dr. Franco G. Teves, and IBC Member Prof. Angeli V. Magaso, faculty of the Department of Biological Sciences, College of Science and Mathematics who both received training from international biosafety experts.



- “Echo Seminar on Predatory Journals and Conferences” was attended by 123 MSU-IIT faculty and staff researchers. The Director of Research discussed the parameters in determining predatory journals and predatory conferences to guide faculty and staff in attending conferences and publishing in journals found in Beall’s List of Predatory Publishers, Journals and Misleading Metrics.
- “Workshop on Research Proposal Writing” was organized and co-sponsored by the National Research Council of the Philippines (NRCP) to enhance skills of new researchers in preparing viable project proposals in line with the National Integrated Basic Research Agenda (NIBRA 2016-2022). Dr. Marietta B. Sumagaysay, Director of the National Research Council of the Philippines was the Resource Speaker.
- “Inventors’ Forum” with speakers from the DOST-Technology Application and Promotion Institute was participated by 50 faculty and staff of the Institute to discuss DOST-TAPI’s assistance to inventors.
- “Policy Brief Writing Workshop” was organized to develop skills of faculty researchers in writing policy briefs as a means of disseminating research output.



Policy Brief Writing Workshop

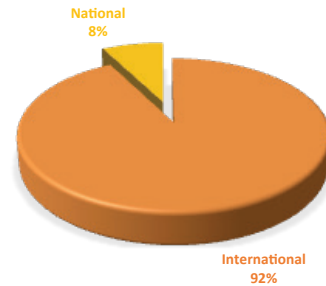


NRCP 14th General Assembly

- “Seminar-Workshop on Packaging Research Proposals and Scientific Paper Writing” was conducted to enhance the capability of faculty researchers in proposal writing and packaging research proposals for possible funding assistance and to develop the technical skills in writing scientific papers for publication in reputable journals. Dr. Ronald Perry, Visiting Professor from United Kingdom lectured on Scientific Paper Writing. The activity was co-organized by the Biology Department, College of Science and Mathematics.
- “Forum on Policy Shifts in National Governance” provided the venue to discuss probable changes in national governance with national figures Dr. Clarita Carlos of the UP Diliman and Dr. Antonio Contreras of De La Salle University as Resource Persons. This was in partnership with the Department of Political Science, College of Arts and Social Sciences.
- “Lecture-Workshop on Hazard Identification and Risk Management” and “Workshop on Documentation and Preservation of Indigenous Cultures in Mindanao” was designed and conducted for leaders of Mindanao indigenous peoples. Dr. Francisco Datar, the only Biological Anthropologist in the country based in UP Diliman served as the Resource Person. This was in partnership with the Department of Sociology, College of Arts and Social Sciences.
- 14th General Membership Assembly of the National Research Council of the Philippines Mindanao Cluster was organized and was graced by NRCP National President and National Scientist Dr. Edgardo Gomez and Executive Director Dr. Marieta B. Sumagaysay.

Paper Presentations and Publications

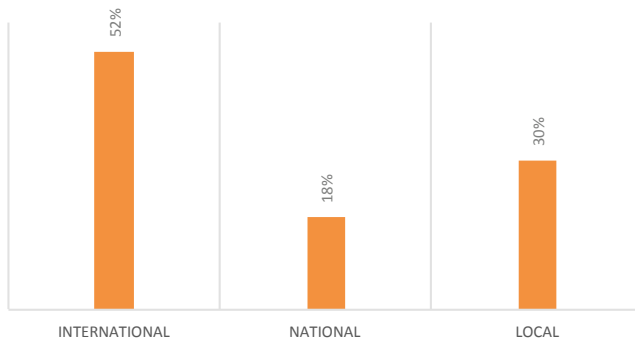
The Institute authored 170 international and national journal publications; 157 of which were in international peer-reviewed journals.



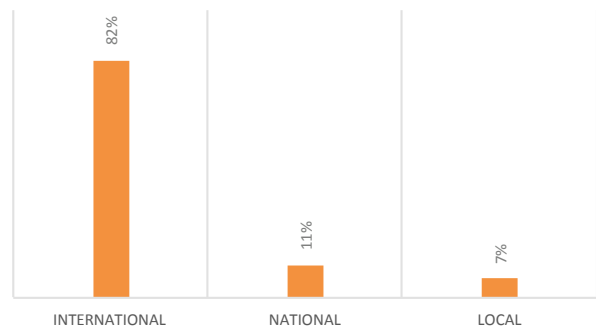
Number of Journal Publications by Faculty Researchers

The DR continues to support the Institute's quest for internationalization through visibility of its faculty and staff researchers. A total of 236 papers and 26 poster papers were presented in various international conferences. In the national level, 32 papers and 16 poster papers were presented. A number of student researches were also presented abroad. There were also papers presented in local/regional conferences by faculty researchers.

POSTER PRESENTATION



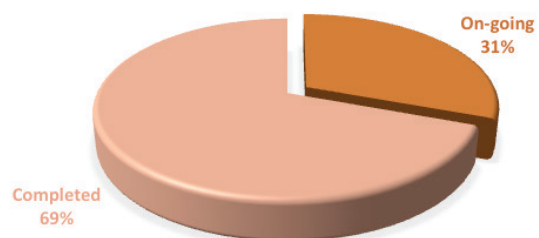
ORAL PRESENTATION



Researches Conducted

Twelve on-going internally funded and seven externally funded research projects are overseen and monitored. Nineteen internally funded and 24 externally funded projects were completed for 2016. In addition, Institute constituents exhibit research patriotism through 16 on-going and 90 completed self-funded researches. Graduate students contributed 29 research projects for the Institute.

RESEARCH PROJECTS CONDUCTED



Linkages

In 2016, the Institute has established linkage with 14 international agencies and institutions and continues to maintain a strong network with 17 national and 6 local/regional agencies and institutions.

Department of Extension

DARWIN J. MANUBAG, PhD

Director

Staying true to the Institute extension program WE CARE, the Department of Extension supports a number of trainings implemented by the different Cost Centers, Departments, and Offices of the Institute in partnership with various communities of Iligan City, Lanao Del Norte, and other areas in Mindanao.

Trainings Conducted

A total of 6,752 persons benefited from 103 training projects composed of 46 capability building programs, 40 alternative/sustainable livelihood training programs, 6 education and literacy programs that include the regular ALS sessions with the Badjau community in Tambacan, and 11 health and wellness programs.

Extension and Community Engagements

The Department of Extension took the lead in organizing Ang Panagtabgo, the first community extension day. It provided the venue for the College of Nursing (CON), the College of Business Administration and Accountancy (CBAA), School of Engineering Technology (SET), and the College Arts and the Social Sciences (CASS) to showcase their respective extension efforts and outcomes. Development partners from civil society organizations and local governments units such as Friends of Bajau-Iligan, Inc., Province of Lanao del Norte, Pailig Inc., and Balay sa Hardin brought their products to be sampled and marketed. The highlight of the day's activities was the cultural night with its theme "Serve the People." Invited artists performed songs of progress before students and faculty of the Institute.

In addition, the Department of Extension was also involved in the following activities:

- A series of activities to document disappearing culture and traditions of the Higaonon of Rogongon, Iligan City conducted by the Department of Physical Education, College of Education.
- A series of programs in continuing public conversations for peace in Mindanao spearheaded by the Institute for Peace and Development in Mindanao together with its partners.
- Alternative Learning System (ALS) for the Bajau which provides alternative learning classes for Bajau children in Tambacan, Iligan City by the Department of Sociology, College of Arts and Social Sciences and the College of Education.
- An assessment of DE activities and programs for 2013-2015 was conducted to build on gains and set the next steps of the Department. Office protocols and processes were discussed to ensure the continuity of tasks. A planning session for incoming alternative livelihood projects was also undertaken. This was facilitated and presided by out-going DE Director Dr. Nimfa L. Bracamonte.
- A series of Sustainable Livelihood Trainings for barangays in Iligan City and Lanao del Norte which aim to provide alternative livelihood to residents was conducted. These trainings among others imparted skills on making halal food, ice cream, sardines, beef randang and palapa.

The last quarter of 2016 marked the transition of DE Directorship from Dr. Nimfa Bracamonte to Dr. Darwin Manubag who continues the gains and initiatives of the Department. The new DE Director Dr. Manubag strengthened the Institute Committee on Extension and Community Involvement by charting its 2017 direction and creating a Facebook group to popularize DE activities and programs.



Other initiatives under the new DE leadership are the following:

- “Building Resilient Communities (BRC) 2016” aimed at institutionalizing the DRRM initiatives and capabilities of the Institute which included:
 - Hazard Identification and Risk Management;
 - Vulnerability Assessment: Key Informant Interview (KII) for Coastal and Agricultural Resources;
 - Exhibit of Different Centers and Agencies;
 - A Symposium on Building Resilient Communities;
 - Bomb Safety and Awareness Fire Prevention Education and Drill;
 - Fundamentals of Flood Disaster Preparedness Training;
 - Staying Alive: Safety and Security Guidelines for Researchers and Extension Workers In Conflict-Affected Areas;
 - The Role of geomatics in Building Resilient Communities and Map Turn-over Ceremonies;
 - Remote Sensing and GIS Technology: Application to Resource Mapping and Vulnerability Assessment; and
 - Talkathon, BRC the Next Step which was attended by DRRM Officers of Iligan City and Lanao Del Norte. It also paved the

way for MSU-IIT to be included as an institutional member of the Iligan City DRRM Council.

- Several livelihood skills trainings and capacity building under the Alternative Livelihood and Capacity Building for Peace in Mindanao were implemented together with a number of Departments and Colleges that were supported by special funds given to the MSU System for the purpose of implementing the ALS program. These included:
 - Livelihood trainings on making local food delicacies such as beef randang, browa, basic cakes, palapa and dodol, ice cream, ham (pork/chicken), longanisa, smoked-fish, banana chips, and sardines as well as other livelihood opportunities to include recycling of solid-waste into usable items, making Christmas décor, borlology, and hand wash were conducted together with the College of Education;
 - Solar-powered bottle light training in conflict areas;
 - Welding for out-of-school youth (OSY);
 - Livelihood skills training on electrical and building wiring, carpentry, masonry, and plumbing installations;
 - Peace activities thru theatrical performance;
 - Family and youth based module awareness; and
 - Voter’s education in selected barangays.

The year ended with four significant activities of sustained extension programs of the Institute. These included the Sagip-Aral for Barangay Santiago Christmas Gift-Giving of the College of Arts and Social Sciences; the Bajau Alternative Learning System (ALS) Christmas Party; the Graduation Program of the Community Extension Program of the School of Engineering Technology for Out-of School Youth and adults of various barangays in Iligan City; and the Borlology or Beads Jewelry Making Training Program for the Higaunon Community of the College of Education.

Technology Application and Promotion Unit

MARIETTA ESPERANZA P. CRUZ
Head

In 2016, the Technology Application and Promotion Unit (TAPU) continues to significantly contribute to the development of livelihood opportunities in the countryside utilizing bamboo and clay resources through actively engaging in techno-transfer and training activities.

TAPU through its centers, the Bamboo Technology Resource Center (BTRC) and the Ceramic Training Center (CTC) also conducts research and development activities to develop appropriate bamboo and ceramic technologies and commercially viable products.

Trainings and Technology Transfer Activities conducted by TAPU are:

- Nine capability training workshops, focusing on developing bamboo processing skills benefited 180 persons from economically distressed communities, farmer groups, and bamboo hubs of Iligan City and Lanao del Norte. These were organized and conducted by BTRC.
- Six capability development training-workshops were attended by 179 beneficiaries who are residents of Barangays Tominobo, Buruun, Ma. Cristina, and Santiago of Iligan City. Other beneficiaries are residents of several municipalities of Northern Mindanao and CARAGA region. These were organized and conducted by CTC.

BTRC TRAININGS AND BENEFICIARIES

Bamboo Handicrafts Training

- Langilanon Bamboo Association (May 23-25, 27 to June 1-3, 2016)
- 12/17 Deus Caritas Livelihood Association (September 13, 15, 17, 22-23, 2016)
- Life Resource Foundation/ Sentro Sa Maayong Magbalanta (October 26-28 to November 3-4, 2016)
- 12/17 Deus Caritas Livelihood Association - November 7 -11, 2016

Bamboo Charcoal Production and Briquette Making

- Langilanon Bamboo Association (February 29 – March 1, 2016)
- Various farmers group, CDLO, DENR, Iligan City Purok Federation, CagO (April 5 – 8, 2016)
- MSU-IIT employees, LGU of Talisayan, Women's Group (Brgy. Santiago) Brgy. Abuno, Brgy. Tipanoy (August 22-23, 2016)
- Life Resource Foundation/ Sentro Sa Maayong Magbalantay (October 21-22, 2016)

Skills Enhancement of Bamboo Furniture Makers

- Lig-ong Hiniusang Kusog sa Kabus(LIHUK) (December 5-9, 2016)
- Sentro Bamboo Krafts Association (SBKA) (December 5-9, 2016)
- Good Shepherd Homeowners Association (GSHA) (December 5-9, 2016)
- Sentro sa Maayong Magbalantay (SMMI) (December 5-9, 2016)
- Maliwanag Miladok Farmers Association (MMFA) (December 5-9, 2016)
- Panaghugpong sa mga Mauswagong Kabus sa Kabanikanhan (PASAKA) (December 5-9, 2016)

Bamboo Nursery and Plantation Management

- Sentro sa Maayong Magbalantay (SMMI) (December 12-14, 2016)

- Life Resource Foundation members and students
(December 12-14, 2016)

CTC TRAININGS AND BENEFICIARIES

Basic Pottery Skills Training

- Iligan Plant Growers Association
(June 20-24, 2016)
- Deux Caritas Village Association-Buruun (Oct. 18-27, 2016)
- Lama-lama Women's Association
Lama-lama Tubod, Lanao del Norte
(Nov. 7-11, 2016)

Summer Ceramic Art Workshop

- Elementary Students of Iligan City
(May 17-26, 2016)

Ceramic Fashion Accessories and Pottery production using slip casting process

- Brgy. Santiago Women's Association (Aug 18-19, 2016)

Red clay Stove making

- Dulag livelihood Association, Brgy. Dulag Butuan City
(Dec. 8-10, 2016)



Eddie Sumile of CTC during the On-the-Job Training at PHILCERAMICS

TAPU also continues to provide technical assistance. As a hub for bamboo technology, BTRC assists and allows the use of its facilities for undergraduate and graduate students of MSU-IIT, MSU-Marawi, and Iligan Medical Center College. Technical assistance for ceramics was also provided by the CTC through the use of its facilities by students of the Institute, the Iligan City East High School, and Philippine Science High School. TAPU also continues to provide technical assistance. As a hub for bamboo technology, BTRC assists and allows the use of its facilities for undergraduate and graduate students of MSU-IIT, MSU-Marawi, and Iligan Medical Center College. Technical assistance for ceramics was also provided by the CTC through the use of its facilities by students of the Institute, the Iligan City East High School, and Philippine Science High School.

Researches and Prototype Development Activities

The CTC actively conducts research and development studies. Locally available ceramic raw materials such as red clays are being studied and formulated into products. There are ongoing experiments on Slip Casting manufacturing process. Prototype development are also continuously done to create and improve feasible ceramic products. The research and development activities undertaken in 2016 are:

- Implementation of CHED (GIA) funded research entitled "Development, Production and Evaluation of Red-Clay based Porous Ceramics for Water Filter Applications;" and
- Prototype development of terracotta pots, water jars, and ceramic fashion accessories.

The BTRC is finalizing its research report on the recently concluded research project "Bamboo Resource Assessment in Iligan City: Phase 1." Development of new product and product designs are undertaken throughout the year such as:

- Prototype development of eight new bamboo products during the year; and
- Research Dissemination and Paper Presentation of "Bamboo Resource Assessment in Iligan City: Phase 1" during the 14th Annual In-house Review of Research and Development Projects and which was awarded 3rd Best Paper, Research Category, Professional Level.



TAPU Staff during the Learning Visits to Bamboo, Ceramic Industries

Staff Capability Development Trainings & Seminars

The BTRC staff attended four capacity development trainings and seminars in 2016 to learn new techniques and information in bamboo processing and about the bamboo industry. The CTC staff also attended training-workshops and seminars that improve their skills and knowledge on the current technology in ceramic production. These trainings and seminars are:

- Advance Finishing Techniques on October 17-19, 2016 at Forest Products Research and Development Institute, UPLB, Los Baños, Laguna which was participated by Reynante R. Villaver, Benjamin D. Medina and Segundino A. Medalla
- Bamboo Bent Lamination Training on November 14-19, 2016 at BTRC, MSU-IIT which was participated by all TAPU personnel
- On the Job Training at PHILCERAMICS on October 24-28, 2016 at PHILCERAMICS, Tiwi, Albay which was participated by John N. Eusebio and Eddie B. Sumile

- On the Job Training at CERAMIKHAUS CEBU on November 14-19, 2016 at CERAMIKHAUS, Mandaue, Cebu City which was participated by Sahara Alango, Hayde T. Valero, Michael Hilarion P. Cabili

Linkages and External Partnerships

The DOST and DTI are the major partners of BTRC in the implementation of its technology trainings and seminars on bamboo technology. New linkages and partnerships with the LGU of Talisayan, Life Resource Foundation, Sentro Sa Maayong Magbalantay, Green Lanao Movement for Sustainable Development, Religious Order of the Good Shepherd, Lig-ong Hiniusang Kusog sa Kabus (LIHUK), Sentro Bamboo Krafts Association (SBKA), Good Shepherd Homeowners Association (GSHA), Maliwanag Miladok Farmers Association (MMFA), Panaghugpong sa mga Mauswagong Kabus sa Kabanikanhan (PASAKA) were established in 2016.

The Local Government Units are valuable partners of CTC in technology and livelihood trainings. The residents of the partner LGUs are also the recipients of technology transfer activities and skills trainings. These partners included Brgy. Ma. Cristina, Brgy. Buruun, LGU of Tubod, Lanao del Norte and LGU of Dulag, Butuan City.

Intellectual Property Unit Innovation and Technology Support Office

MARIETTA ESPERANZA P. CRUZ
General Manager



IPU-ITSO General Manager during the IP Foundation Forum for the Business Group

The Intellectual Property Unit – Innovation & Technology Support Office (IPU-ITSO) in 2016 focused on its commitment and responsibility of protecting and facilitating the utilization of intellectual properties (IPs) generated by researchers.

The major activities and initiatives of IPU-ITSO include campaigns for increased invention disclosures, filing of patent and copyright protections, preparing technology profiles, and technology assessments of research results with commercial potentials.

IP Trainings and workshop conducted:

IPU-ITSO conducted five IP Orientation/Foundation Courses and one Patent Search Workshop to MSU-IIT Students. Two IP Orientation Seminars were also conducted for external clients; one for faculty members and researchers from other schools and one for businessmen, industry collaborators, and inventors of Iligan City. The seminar for the business group and inventors was conducted in collaboration with the Department of Trade and Industry (DTI).

IP Services Performed

a. IP Protection

Working closely with researchers, IPU-ITSO drafted two patent applications and one UM application for an external client. Copyright applications for two computer programs of School of Computer Studies faculty members and ten Basic Competency Manuals developed by Dr. Faith Miguel (Department of English, CASS) and her students for the use of Technical Education and Skills Development Authority were submitted to IPOPHL for registration.

b. IP Utilization / commercialization

MSU-IIT entered into a non-exclusive trademark License Agreement with VY Domingo Jewellers Incorporated for trademark usage. The agreement granted VY Domingo the right to use MSU-IIT logo in class rings which they intend to market to MSU-IIT alumni and constituents.

IP related activities undertaken

a. IP Advising

Assistance to Institute researchers and students and external clients on their request for information and in drafting patent applications, copyright registrations, trademark registrations and other IP concerns were rendered

b. Technology Assessments

Assistance to preparation of two technology assessments for MSU-IIT IP assets for commercialization were done with the assistance of USAID - STRDE RTI. These are:

- Convertible Dehydrator and Dehydrator Machine invented by Asean Engr. Eulalio Creencia; and
- Woman Menstrual Cycle Tracking Tool invented by Prof. Roselyn Butalid

c. Cash Awards for Inventors

By virtue of BOR Resolution No. 21 series of 2016, IPU-ITSO grants cash awards to faculty, staff, and student inventors who disclose their inventions and seek patent protection and other related rights to the Institute in accordance with the provisions of the MSU-IIT Policy of 2012.

d. Drafting of proposals for the establishment and funding support for infrastructure of a Knowledge and Technology Transfer Office (KTTO)

e. Renewal of the MOA with IPOPHL for the franchise of ITSO in MSU-IIT

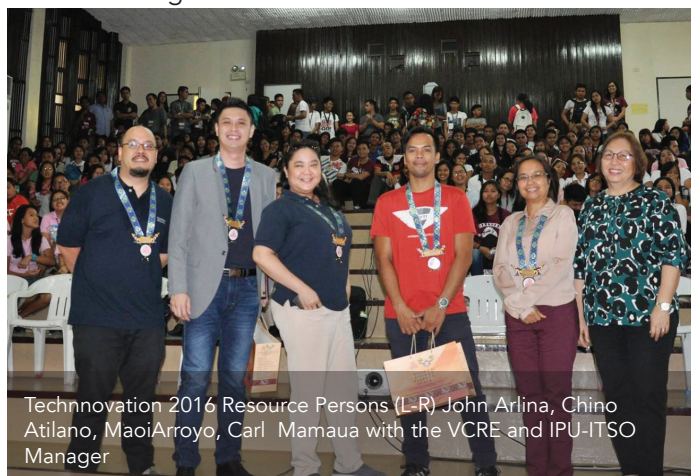
The Institute renewed its commitment to operate an Innovation and Technology Support Office (ITSO) through the signing of another Memorandum of Agreement (MOA) with the Intellectual Property Office of the Philippines (IPOPHL) last July 12, 2016 at the University of Immaculate Conception (UIC), Davao City.

f. Establishment of the MSU-IIT Innohive

The MSU-IIT INNOHIVE or Innovation Hive is a research ideation venue for faculty, staff, and students. It is a space for creativity and collaboration where students, faculty, staff, and the community explore ideas to solve business challenges. Innovation Hive is a venue where collaboration and partnerships are forged for project development and implementation.

g. MSU-IIT TECHNNOVATION 2016

TECHNNOVATION 2016 is one venue where research results are showcased to industries, business sectors, and communities who are potential customers of new technologies and innovations.



Technnovation 2016 Resource Persons (L-R) John Arlina, Chino Atilano, Maoi Arroyo, Carl Mamaua with the VCRE and IPU-ITSO Manager

Twenty seven research results, solutions, and innovations of students and faculty members of MSU-IIT and other schools in Northern Mindanao were showcased during the TECHNNOVATION at the MSU-IIT gymnasium. The exhibits were grouped into five clusters: Resilient Structures; DRRM & Environment; Energy and Power; Health and Pharmaceuticals; Instrumentation and Control; and Food and Nutrition.

Lectures, panel discussions, InnoChallenge Hackathons, and industry-linkage meetings were also held during the two-day event. Ma. Antonia Odelia " Maoi " G. Arroyo, CEO & President of Hybridigm Consulting was the keynote speaker and she discussed attaining inclusive growth through innovation-driven entrepreneurship.

The event was sponsored by USAID-STRIDE, Nutratch Biopharma, Inc., GNPowr, Pilmico Fluor Philippines, Holcim, and EM Cuerpo, Inc.

IP Capacity Trainings / Activities Attended

- USAID-STRIDE's Catalyzing Knowledge Partnerships through KTTO Program is a 14 month program participated by M. Esperanza P. Cruz, IPU-ITSO General Manager
- Synergy Summit (September 21- 22, 2016) which was hosted by USAID STRIDE and co-hosted by IPOPHL and was participated by M. E. Cruz
- Seminar on Technology Protection and IPR on Health (November 15 - 16, 2016) which was hosted by IPOPHL and co-sponsored by Japan Patent Office was participated by IPU-ITSO Patent Agents Evelyn Creencia, Reynaldo Vequizo and M. Esperanza P. Cruz
- National Workshop on IP Hub and Inventor's Assistance Program (February 29 - March 1, 2016) which was hosted by IPOPHL and co-sponsored by USPTO was attended by M. Esperanza P. Cruz and Franco G. Teves
- ITSO Planning Workshop and MOA Signing (July 11-13, 2016) which was hosted by IPOPHL was participated by Dr. Jinky B. Bornaes and M. Esperanza P. Cruz

Gender and Development Resource Center

JINKY B. BORNALES, PhD
GAD Focal Person

In accordance with its mandate to mainstream gender programs and strategies in activities and plans of the Institute, the Gender and Development (GAD) Resource Center implemented several programs in 2016.

Capability Building Activities

GAD Resource Center conducted four Gender Sensitivity Trainings attended by students, faculty and staff of MSU-IIT. This is in line with the mandate that all employees of the HEIs shall undergo regular and gender-sensitivity seminars.

GAD Focal person, GFPS Secretariat, and Institute officials and personnel attended five different trainings to enhance their capabilities to mainstream GAD strategies in the plans and programs of MSU-IIT and also to keep abreast with new directives of the government on gender development and programs.

Activities attended include:

- "ASEAN Integration: Challenges and Opportunities for Promoting Gender Equality in Higher Education on January 27-28, 2016 at PICC, Manila which was attended by Chancellor Sukarno D. Tanggol, Vice Chancellor Jinky B. Bornales, and Vice Chancellor David N. Almarez;

- Seminar/Workshop on Gender Research Methodologies on October 10-11, 2016 in Davao City which was participated by eight members of the GFPS Secretariat;
- Orientation on CHED Memorandum Order "Establishing the Policies and Guidelines on Gender and Development in the Commission on Higher Education and Higher Education Institutions" on September 9-10, 2016 at MSU-IIT Mini Theater which was participated by 96 Institute faculty and staff, representatives from MSU System, and other Mindanao HEIs;
- National Academy of Science and Technology Forum on Gender Parity in S&T on November 16, 2016 in Pasay City which was participated by the VCRE and faculty members of CON; and
- Training on Mental Health and Psychological Support for Internally Displaced Persons on February 22-16, 2016 at MSU-IIT Mini-Theater which was attended by 35 Institute faculty and staff

Gender-Responsive Research Projects

The Center approved the implementation of five gender-responsive research projects; four from the College of Arts and Social Sciences and one from the College of Nursing. These projects are:

Gender-responsive Community Engagements

Eleven gender-responsive community engagements were undertaken in 2016 which include seminars on health issues that were attended by the elderly from Barangay Santiago and the Home for the Aged, Canaway, Iligan City; women's political participation and good governance; DRRM and gender-responsive psychosocial interventions; responsible parenthood; and social values formation for children.

Lectures and Other Activities

- Lectures on teen-age health and relationship issues were conducted throughout the year and attended by students
- Orientation on RA 9262 or the law on Violence Against Women and Children was organized for faculty, staff, and students
- Celebration of International Women's Month through the programs "One Billion Rising" in partnership with the Mindanao Commission on Women-Iligan Area Core Group and "I am Woman. I am Invincible" project of the MSU-IIT Cultural Development Office
- Drafting for publication of a compendium on GAD activities from 2011-2016

Gender-responsive Infrastructure Development

Physical improvements were carried out by the Center in response to the gender issues and concerns of women workers and students of the Institute. The incidence of unreported but observed cases of sexual harassment in school during night classes and the need for access to safe and secure female personal hygiene facilities prompted the Center to provide funding support for these projects:

- Installation of proper lighting and repairs of electrical fixtures in dark alleys in the campus. Lighting fixtures were installed in strategic areas in CSM, CBAA and along the side of the Administration Bldg.
- Renovations of comfort rooms in school and administration buildings to meet the needs of Muslim women, female faculty, staff, and students at CASS, CSM, CED and CON
- Renovation and tiling of the GAD Resource Center at the OVCRE.



Participants of the GST Training for MSU-IIT Staff

Mindanao Center for Resiliency

OLGA M. NUÑEZA, PhD
Coordinator

The frequency of occurrence of natural calamities and disasters and the need to respond immediately to these problems led to the formation of the Mindanao Center for Resiliency (MCR) in the Institute. The Center has made its strong presence felt in the Institute and has initiated major steps and activities for the welfare and benefit of the Institute constituents.

Major Projects

The Center works on three major projects

- Integration and Mainstreaming of Climate Change Adaptation-Disaster Risk Reduction Management (CCA-DRRM) in the syllabi used in the Institute;
- "Family and Youth-Based Module Awareness on CCA-DRRM;" and
- "Leadership in CCA-DRR" that would train officials/leaders of local government units.

Other Projects of the MCR include

- A massive dissemination-information campaign for the Emergency Action Guide was done by making it accessible at the My.IIT

website. Brochures and flyers were distributed to different cost centers and posters were posted in strategic locations inside the campus.

- BRC Activities such as a series of activities in partnership with different units like the LIDAR, the Institute for Peace and Development in Mindanao (IPDM), and the other units affiliated with the Office of the Vice Chancellor for Research and Extension (OVCRE) like the Department of Research (DR), the Department of Extension (DE), the Gender and Development Center (GADC), the Center for Local Government Studies (CLGS), and the Technology and Application Unit (TAPU).

A Symposium on Building Resilient Communities was held on November 15, 2016. During the symposium, Major Gil Tario II, Chief of the Cyber Security Division of the Philippine Army, talked about the topic "Cybersecurity in the Age of Digital Disaster." Other seminars conducted are Fire Prevention Education and Drill, and Bomb Safety and Awareness which were facilitated by the NSTP. The Cyber Security seminar was facilitated by IPDM while the Fundamental of Flood Disaster Preparedness Training and Map Turnover and the presentation of the Status of Flood DRRM 1 in the Philippines and Its Way Forward was facilitated by LIDAR 1 Team while LIDAR 2 Team also presented the Vulnerability Assessment for Coastal and Agricultural Resources.



One of the highlights of BRC was Talkathon in which Prof. Manubag presented the status of the DRRM in Iligan City. Other attendees who come from different sectors of the Institute and the community were able to verbalize some issues and concerns about drainage, waste materials, bomb disposal, and other similar, related problems. Mr. Patrick Nunez, the head of the Iligan City DRRM Council who enthusiastically expressed his aspiration for collaboration with MSU-IIT's MCR. The Talkathon resulted to the inclusion of MSU-IIT as a legitimate member of Iligan City DRRM Council which was formalized when MCR Coordinator Dr. Olga Nuñez, attended a meeting of the council.

- Collaborative projects with the Iligan City DRRM

The year ended with discussions on collaborative projects with Iligan City DRRM.

MCR has also strongly endorsed to the Institute management the following issues and concerns:

- Provision of exit plans in all buildings of the Institute;
- Installation of an exit gate at the back portion of the campus as an alternate exit in times of emergency;
- Provision of a Public Address (PA) System throughout the Institute;
- Acquisition of additional fire extinguishers for offices;
- Provision of uniforms for emergency responders;
- Provision of fracture boards to be stored at the Institute Clinic; and
- Availability of First Aid kits in all offices of the Institutes.

Center of Local Governance Studies

SEPTRIN JOHN A. CALAMBA
Coordinator

The Center for Local Governance Studies conducted several projects in fulfillment of its mandate.

Capability Building

- Knowledge-Forum on Electoral Reforms for Good Governance. The event was participated by officials of Barangay Tibanga and Barangay Santiago, Iligan City. It was held at the MSU-IIT Mini-Theatre on March 23, 2016.

The seminar highlighted the discussion on the rule of law, transparency and accountability, efficiency and effectiveness as well as women's political participation to foster good governance. Honorable Judge Alberto P. Quinto and Atty. Nur Jaypha Bacaraman Asum served as the resource persons.

- Seminar-Workshop on Citizen Satisfaction Index System and Challenges in the Delivery of Basic Services in Iligan City and Citizen-Driven Priority Action Plans. The results of the Citizen Satisfaction Index System in Iligan City, a research conducted by Prof. Hazel Jovita and Prof. Septrin John A. Calamba, were presented to the newly elected officials of the City and heads of different government agencies in Iligan City on August 23, 2016.

In partnership with the Department of Interior and Local Government (DILG) Iligan, the seminar-workshop highlighted the strengths and weaknesses of the public service delivery in the City of Iligan based on the citizens' perspectives. The seminar-workshop also provided an avenue to discuss and share effective strategies and measures to improve the delivery of government services to the citizens of Iligan. The Citizen-Driven Priority Action Plan (CPAP) was formulated by the elected officials and agency heads with the assistance of DILG Iligan and Professors Jovita and Calamba. The CPAP sought to put in place the plans and programs of the City Government to be delivered to the citizens.

Research Project Conducted

2016 Citizen Satisfaction Index System (CSIS) in the Municipality of Lugait

The Center for Local Governance Studies (CLGS) in partnership with the Department of Interior and Local Government (DILG) implemented the 2016 Citizen Satisfaction Index System (CSIS) in Lugait, Misamis Oriental. The Municipality is one of the pilot tested municipalities of the project in the country. MSU-IIT as a local resource institute (LRI) and valued partner of DILG Region X conducted the research through the CLGS.

The DILG envisioned the Local Government Units (LGUs) to be self-reliant, development-oriented, safe, peaceful, socially-protective, business friendly, environmentally protective, as well as transparent, accountable and participative. Thus, it developed and implemented the CSIS to serve as a tool for drawing in applicable information for gauging citizen satisfaction that can be used for agenda-setting of economic and human development plans and goals of the LGUs.

CSIS research results were presented during the Utilization Conference on October 27, 2016 attended by the municipal mayor and heads of different agencies in Lugait. Recommendations were also

delivered as basis for the municipality's formulation of the Community-driven Priority Action Plan (CPAP) which was facilitated by DILG personnel from the regional office and assisted by Prof. Septrin John A. Calamba, CLGS Coordinator and CSIS 2016 Lugait Project Leader and Supervisor Dr. Jay Rey G. Alovera, faculty of the Department of Sociology, College of Arts and Social Sciences.

Extension Activity

Sustainable Livelihood in Barangay Tambacan, Iligan City

This extension activity aims to organize a community-driven livelihood program that is sustainable to augment the socio-economic status of the women in the Barangay. Through the partnership of MSU-IIT CLGS and Abag-Kalamboan Foundation implemented urban gardening as an alternative livelihood to the federation of women in Barangay Tambacan. This activity is still on-going to champion and to create a model for urban gardening in the City of Iligan.

Other Activities

CLGS Coordinator presented the paper entitled "Capacities, Challenges, and Strategies: Understanding the Issues of the Delivery of Public Services in Iligan City" on November 3-5, 2016 at Hotel Benilde, Manila during the 2016 Philippine Society for Public Administration (PSPA) International Conference.

The paper is from the research study which was also co-authored by Prof. Hazel D. Jovita, the former coordinator of CLGS. The research was funded by DILG and looked into the over-all operations of implementing government agencies in Iligan City. It also examined the different departments' organizational capacities, existing resources, capital, opportunities, and practices that departments have developed and used to meet targets, challenges, mechanisms, and strategies of their respective offices.

Technology Business Incubator iDEYA: Center of Innovation and Technopreneurship

JINKY B. BORNALES, PhD
Project Leader

JOHN DAVE DEL ROSARIO
TBI Manager

The Institute together with DOST-PCIEERD has established the first Technology Business Incubator (TBI) - the iDEYA: Center of Innovation and Technopreneurship at MSU-IIT. The TBI aims to provide a nurturing environment for technology-based and social enterprises in their early stage of development. Specifically, it aims to create and develop a progressive technopreneurial ecosystem and innovative culture in Mindanao through various community building activities and technology-based business support.

The Center is based in the College of Business Administration and Accountancy (CBAA) and under the management of the Office of the Vice Chancellor for Research and Extension (OVCRE).

CIT Major Activities:

Armed with the team's mantra #ParasaMindanao, iDEYA: CIT@MSU-IIT has been organizing different kinds of events. In early 2016, the Center has been going around Mindanao to promote and hone homegrown countryside talents through its various community advocacy and engagements. These events include:

- IDEYABREW Series is the main vehicle of the Center to bring technopreneurship to the countryside communities. IdeyaBrew is a 3-4-hour design thinking workshop

that aims to help participants identify and discover potential problem or challenge from their environment which they can transform into an idea of opportunity that can be accelerated and incubated to become a potential startup company in the future. It is an interactive space for creating new and innovative ideas that solve practical problems and address human needs, not limited to any specific industry or area of expertise. Through this event, the Center has created around 175 teams and observed 163 Startup Ideas from 18 participating schools of Mindanao.

- iStartup Conference is a one day conference that aims to INFORM the community about the different opportunities on Startup and Innovation; to INSPIRE each participant through thought-provoking talks and success stories of Technopreneurs and Startup Founders in the country; to INVOLVE everyone towards the success of Iligan Startup Ecosystem through collaboration, partnership, and joint efforts; and to INVITE them to work on their startup ideas and bring it to reality with the help of the Center.
- 20/20 Tech Community Meet-up powered by Ideaspaces is a monthly meet-up to reach out to and gather different community builders, ICT Champions, Startup Enthusiasts, tech makers, and Startup Founders in Northern Mindanao for a night of collaboration, discussion, and brainstorming. It aims to create a sufficient and sustainable Startup and Technopreneurship culture in the region.
- Startup Weekend Iligan is a 54-hour global event that aims to create an environment where passionate people can come together to learn, network, bridge the gap between trades, expose potentials, see actual results, and to get things done. The first Startup Weekend gathered 115 participants from Marawi, Davao, Bukidnon, Butuan, Lanao Del Norte, and Iligan.



IDEYABREW Workshop in Surigao City

- iDEYAHACK is a 36-hour overnight event that encourages the community to create innovative digital solution to a given topic. The goal of each participant is to create either an app, website, platform, or system that will solve the given topic such as Peace, Transportation, and Health.

These events are targeting mainly the youth and young professionals but do not only limit to IT and Engineering people. They also invite out of school youth, Arts Students, Social Sciences Students, Teachers and Professors, Researchers, as well as Freelancers. To date the Center has organized 27 events of different kinds tapping around 2,500 participants from 10 provinces of Mindanao.

- Mindanao Startup Challenge (MSC) is the main highlight of iDEYA's first year. The Mindanao Startup Challenge serves as the Center's main feeder for Startup Incubatees. Mindanao Startup Challenge

is a call for application for the most innovative and disruptive startup ideas in Mindanao that solve real world problems and issues. Everyone can join and submit startup ideas, whether still at the idea stage or scaling up stage, and avail the chance of having the idea incubated under the Center.

CIT Incubation program

The Center launched Mindanao Startup Challenge (MSC) 2016 last June and implemented until September. It received over 52 entries from 17 participating provinces (Zamboanga del Sur, Zamboanga Del Norte, Davao Del Sur, Lanao del Norte, Misamis Oriental, Misamis Occidental, and Bukidnon) and cities (Cagayan de Oro, Iligan, Davao, Dapitan, Butuan, and General Santos) in Mindanao. Some entries also came from the province of Bohol. These 52 entries underwent three rounds of judging that focus on Idea Validation, Team Dedication, and three-day Bootcamp. The Top Seven were selected

and will go through the Incubation Program of the Center and these are:

The Top 7 Start Up

Ardufarm

A smart and modular aquaponics system

Members: Lex Bryan Bangot, John Alex Bangot

Stage: Prototyping Stage

FarmSense

Develop drones dedicated for precision agriculture in the Philippines

Members: Jun Pearl Achacoso, Edison Montes, Lemuel Jay Vallinas, Leo Nogas

Stage: Idea Stage

FeedBot

An automated solution for easier, accurate, and secure fish farm feeding system

Members: Misshell Pearl Arboladura, Constantino Brasileno, Aeus Espaldon, John Ipanag, Joseph Bayonas

Stage: Validation Stage

GoPhilanthro

A crowdsourcing web application which informs the public what the community, cause, or social welfare projects need.

Members: Herabelle Villanueva, Jonacius Villamor

Stage: Prototyping Stage

JUNKin

An online junk shop for e-waste

Members: Jonie Jumamil, Joshua Salon

Stage: Idea Stage

Homesearch

An online platform that bridge tenants to the Home Rental Owners

Members: Ace Escol, Eulalie Zamora, Zairelyn Sarte

Stage: Idea Stage

My.Eskwela

A platform that monitors student's school performance

Members: Cristy Fuerzas, Orven Llantos, Dareen Bandola

Stage: Scaling up

The Top 7 will undergo a two and a half month incubation support that includes different trainings and mentorships on Pitching, Marketing, Validation, and Prototyping. They will also be provided an office space which they can use while building their Startups. The Center will also help them link to different investors and funders for prototyping and scaling up. The goal of this Incubation program is to work on building their products, create working prototypes, and bring the technology to the community.

iDEYA: CIT@MSU-IIT's first year is a success with the support of different mentors and companies around the Philippines such Ideaspaces, PLDT Innolab, Brainsparks, DTI, DICT, and RISPh.

The Center is raising hopes high that in two to three years, Iligan will be a place on the global Startup map producing top startup companies that serve millions of customers both in the Philippines and abroad. iDEYA: CIT@MSU-IIT is not just a center, it's a community.



FABLAB Mindanao

LEMUEL CLARK VELASCO
FabLab Manager

FAB LAB Mindanao, a digital fabrication facility assists researchers and entrepreneurs transform ideas into prototypes thus creating value to ideas and effect wealth generation.

Even prior to its official launching, the mission of “prototyping ideas” was made real by creating linkages with industries through stakeholder consultations among small and medium enterprises of Iligan City and Lanao del Norte.

The Red Lab (or FabLab) of MSU-IIT is a recipient of a grant under the Shared Service Facility Project of the Department of Trade and Industry. The grant provides for six state-of-the-art equipment amounting to almost eight million pesos.

The Department of Science and Technology through its Local Grants in Aid also came into the Institute’s digital fabrication landscape through the procurement of highly specialized equipment making FabLab Mindanao, the first open makerspace in Mindanao and providing the public access and usage to CNC (computer-numerically-controlled) milling machine for metals.

The launching of FabLab Mindanao on August 17, 2016 provided the venue to showcase prototypes produced by the Institute’s students and faculty researches. FabLab Mindanao is one of the recognized facility of FAB Foundation’s international FAB LAB network.

FabLab Activities

- FabLab Mindanao participated in the research ‘Fabrication Laboratory Utilization in the Philippines’ commissioned by the Japan International Cooperation Agency and conducted by the Nomura Research Institute Singapore and Keio University

- Benchmarking with the best practices of more mature makerspaces namely FAB LAB Puiching-Macao, FAB LAB Taipei, Futureward of Tatung University and iFoundry of National Taiwan Institute of Technology
- As a service bureau that serves as an outsourcing center for the research and development of industry stakeholders, FAB LAB Mindanao was able to position itself among select manufacturing companies that are interested on projects showcased during the fabrication exhibits such as the robotic arm developed by the College of Engineering.
- As a training provider of nine high impact skills trainings through FAB TRAIN, a series of digital design and fabrication workshop for artists, designers, engineers, architects, entrepreneurs, furniture designers, students, fabricators and enthusiasts.





Design Events for the FAB TRAIN

Printing Prime

designed for drafting students that involve creating 3D models using SketchUp.

LaseCut

a laser cutting workshop for designers using a Laser Cutter

FABulous 3D Printing

another 3D printing workshop designed for designers.

OBRA

a workshop for furniture makers where participants are introduced to 3D Modeling using SketchUp

ART Goes 3D

a workshop for visual artists which included basic 3D Modeling using SketchUp and 2D Print Design using Adobe Photoshop and Adobe Illustrator

What's App Design

a design workshop for engineering and drafting students for 2D Design using Adobe Photoshop and Adobe Illustrator, and 3D Modeling using Blender

Architectural FABLAB

a workshop for architects where participants were given a demonstration on the operations and services of FABLAB.

3DPreneur

a workshop on 3D Modeling and product design designed for entrepreneurs

3Deya

workshop where participants were introduced to 3D Modelling and 3D Printing.

CHED-PHERNET

JINKY B. BORNALES, PhD
Program Director

With the unwavering support to the RD&E endeavors of the institute's various faculty researchers, CHED Philippine Higher Education Research Network (PHERNet) of MSU-IIT was able to continuously improve its RD&E capabilities and productivity, generates and promotes innovations, and produces and utilizes high quality RD&E outputs and innovations that advance learning and national development through the following:

- Implementation of collaborative and interdisciplinary research projects involving natural sciences, engineering, business administration, and social sciences disciplines;
- Training of graduate research advisers (budding researchers) of the graduate program in Natural Sciences, Engineering, Business Administration, and Social Science;
- Mentoring the graduate research advisers (budding researchers) and/or graduate research students in the research process (conceptualization, proposal writing, responsible conduct of research, publication) through their involvement in a collaborative and interdisciplinary research projects;
- Production of scientific papers / articles worthy of publication in reputable refereed journal or ISI (Institute for Scientific Information)-indexed journals of the research projects; and
- Production of high-value products on materials science, biotechnology and engineering materials for specific applications.

CHED-Approved Research Projects

MSU-IIT, the only PHERNet Center of Mindanao, has an approved research program entitled, "Appropriate Technology for the Production of High Value Products from Naturally-Occurring Raw Materials," with two research projects in the Grants-In-Aid (GIA) Component for 2016-2017 implementation. In 2016, CHED renews the grant until 2018. The projects are:

- Development of a Polymer and Colloid Sorter in Micrometer sized Channels using Self-thermophoretic Janus particles by Dr. Mark Nolan P. Confesor of the Department of Physics, College of Science and Mathematics; and
- Development, Production and Evaluation of Red Clay-based Porous Ceramics for Water Filter Applications by Prof. Ephraim E. Ibarra of the Department Ceramics, Mining, and Metallurgical Engineering, College of Engineering.

A total of Ten Million pesos (P 10,000,000.00) was released last January 26, 2016 for the implementation of the CHED PHERNet operations and for the said projects (for the period February 1, 2016 to January 31, 2017).

Researches for CHED GIA funding approved in 2016 for 2017 implementation are:

Dr. Jonathan C. Maglasang

Development of High Power Magnification Biomimetic Wind-lens Turbine System with Smartphone-Based Network Sensors Analytics System for Precise and Real-Time Turbine Performance Monitoring and Weather Reporting

Dr. Franco G. Teves

Crop Protection from Aflatoxin-producing Fungi using Phytochemicals Through External Application and Genetic Modification with Aflatoxin Inhibitor Genes

Dr. Reynaldo M. Vequizo

Development and Application of Polyaniline and Polyaniline / Silica Composites as Paint Additives for Anticorrosion Application

Dr. Evelyn C. Creencia

The Philippine Rubber (*Hevea brasiliensis*) Seeds as Source of Biofuel, LubeOil, Activated Carbon and Feeds

Dr. Christopher E. Ambe, D.Sc.

Electron Spin Resonance (ESR) and Green Synthesis Facility for Advanced Functional Materials and Multidisciplinary Research

Dr. Rolando Bantaculo

Diffusion, adsorption, and desorption of molecular hydrogen, oxygen, and nitrogen on Group IV Two-Dimensional Nanostructures

Prof. Jefferson A. Hora

WSN-IC: Design of a Small Footprint Custom Wireless Sensor Node Integrated Circuit for Disaster Risk Reduction

Dr. Jonathan C. Maglasang

Development of A Coaxial Rotary-Winged Search and Rescue Unmanned Aerial Vehicle With Exoskeleton For Rapid and Precise Disaster Assessment and Response

Prof. Lunesa C. Pinzon

Quantification of the medicinal diosmetin in *Premna odorata* (alagau) and other Philippine plants

Dr. Franco G. Teves

Combined Enzymatic and Chemical Processes for Mannose and Mannitol Production from Coconut: Value-Adding for Sustainable Coconut Bioresource Utilization and Health Applications

Dr. Sharon Rose M. Tabugo

Diversity and Dynamics of species of Cone snails, Sponges and Seahorses with Medical and Economic potential in Mindanao, Philippines and its Ecological Implication to Conservation and Climate Change

Approved GIA research projects are awarded a maximum of two years with a financial grant that does not exceed Ten Million pesos (P10,000,000.00).

Discovery-Applied Research and Extension for Trans / Inter - Disciplinary Opportunities (DARE TO)

This program awards funding support to trans-disciplinary or multidisciplinary (of at least three disciplines) research, development, extension, and innovation projects focusing on the following research areas: Food Production and Security; Environment, Disaster Risk Reduction, Climate Change and Energy; Terrestrial and Marine Resources: Economy, Biodiversity and Conservation; Smart Analytics and Engineering Innovations; Health Systems; and Education for STEAM.

Three proposals submitted by faculty researchers to DARE TO were approved in 2016 for funding and implementation in March 2017:

Dr. Evelyn C. Creencia

The Philippine Rubber (*Hevea brasiliensis*) Seeds as Source of Biofuel, LubeOil, Activated Carbon and Feeds

Prof. Jefferson A. Hora

WSN-IC: Design of a Small Footprint Custom Wireless Sensor Node Integrated Circuit for Disaster Risk Reduction

Dr. Arnold C. Alguno

Development, Innovation and Engineering of Zinc Oxide Nanoparticles for Water Antimicrobial Application

Approved DARE TO research projects are awarded a maximum of two years with a financial grant that does not exceed Fifteen Million pesos (P15,000,000.00).

Other Accomplishments

A financial grant of Fifty Nine Thousand Two Hundred Eighty Five US dollars (US \$ 59,285.00) was provided by CHED to MSU-IIT for subscription to the Science Direct and Scopus databases for research and citations from Elsevier. This is to improve quantity of published journals and articles, to improve quality of research output, and to collaborate effectively with other institutions not just locally but also with the international community.

Attendance to Meetings and Seminars

- Higher Education Research Conference and the CHED Research and Publication (REPUBLICA) Awards Ceremony held in Manila on July 26-27, 2016 was attended by Dr. Jinky B. Bornales, VCRE and Program Director of the CHED PHERNet Center of MSU-IIT and Ms. Juvy T. Cambaya, University Researcher II and Program Coordinator of the CHED PHERNet Center of MSU-IIT
- K to 12 Transition Program Consultation Meeting at the CHED Auditorium, Higher Education Development Center (HEDC) held in Diliman, Quezon City on August 12, 2016 was participated by Ms. Juvy T. Cambaya, University Researcher II and Program Coordinator of the CHED PHERNet Center of MSU-IIT
- CHED Research Monitoring and Consultation Meeting in Cagayan de Oro City on October 6, 2016 was participated by Ms. Juvy T. Cambaya, University Researcher II and Program Coordinator of the CHED PHERNet Center of MSU-IIT
- 2nd National Extension Conference in Davao City on November 29-30, 2016 was attended by Dr. Jinky B. Bornales, VCRE and Program Director of the

CHED PHERNet Center of MSU-IIT, Prof. Darwin J. Manubag, Acting Director of the Department of Extension, and Ms. Juvy T. Cambaya, University Researcher II and Program Coordinator of the CHED PHERNet Center of MSU-IIT

Grant / Support to Activities

- Co-Hosted the 2nd Technology and Innovation Fair (Technovation Fair 2016) at the COE Amphitheater on August 30-31, 2016
- Co-hosted the visit of various faculty and students from the University of Kaiserslautern (Technische Universität Kaiserslautern, TUKL) in Germany, Tribhuvan University, and Institute of Science and Technology (IOST), Nepal
- Co-hosted the conduct of the following DAAD – supported research related activities:
 - Seminar and Workshop: GrathO with Applications in Industry and Society on June 13-24, 2016
 - GrathO-related Research Activities on June 1-August 31, 2016
- Supported the Travel of Dr. Jinky B. Bornales to Indonesia to attend the South East Asian Mathematical Society School 2016 Workshop, with the theme "Stochastic Analysis," in Yogyakarta, Indonesia on August 3-12, 2016





Office of the Vice Chancellor for Administration and Finance

DAVID N. ALMAREZ, SR., DM
Vice Chancellor

The Office of the Vice Chancellor for Administration and Finance (OVCAF), in its commitment to Operational Excellence, ensures the efficient coordination, and facilitates the improvement, of the operations of all Cost Centers under the OVCAF Cluster.

In order to provide better support services to all other offices in the Institute, it improves its systems, automates records, conducts activities for the well-being of MSU-IIT constituents, and upgrades its own staff's professional development.

In 2016, the Institute Records and Archives Office (IRAO) is established and the Institute Document Control Team is created. Both guarantees proper documentation of all official transactions, as well as the preservation of all Institute documents with archival value.

Through automation of records, there is now better, more efficient access to notices of suspension and disallowance. The Information and Communication Technology Center (ICTC) is also currently designing

a program adopting the National Archives of the Philippines' (NAP) records management system for easier retrieval of records.

Recognizing its role in forwarding the safety, security and well-being of all Institute constituents, the OVCAF spearheads a symposium on fire safety and earthquake awareness on March 16, 2016 and a Charter Day Fun Run on July 10, 2016, among others. It also acquires 20 handheld radios, eight (8) fire axes and eight (8) sledgehammers for the use of the Institute Emergency Response Team (ERT).

Fully aware that knowledge and skills need to be acquired and honed, OVCAF sends its staff to various seminars and conferences related to their core functions. It also conducts a Cluster Planning on November 11-12, 2016 to assess the Cluster's three (3)-year plan, and craft its plans for 2017. In said planning, it is made clear that the main goal of every Cost Center under the OVCAF is to abide by its Citizen's Charter and to provide efficient, effective and timely support services to all Institute constituents and clients.

Human Resource and Management Division

ELMER P. NACUA, RP, RPm
Acting Head

The Human Resource and Management Division (HRMD) believes that an empowered, incentivized, workforce is essential to the success of any Institution; therefore, it considers the welfare of every Institute employee to be non-negotiable.

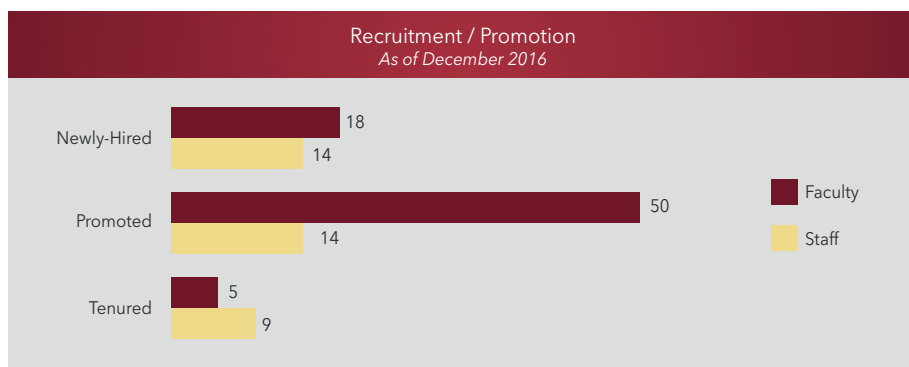
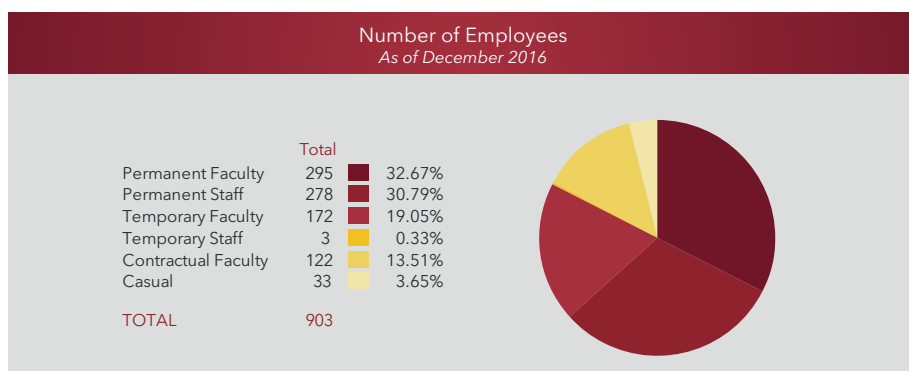
It takes pride in the fact that as of December 2016, most Institute employees are already on permanent status. Among Faculty members, 312 are permanent; 154, temporary; and 32 contractual. Among the Staff members, 282 are permanent; 3, temporary; 124, casual; and 75, job order.

This year, 50 Faculty members are promoted to temporary/permanent status while 14 Staff members are promoted to permanent status. Manpower recruitment provides the Institute 18 new contractual Faculty members; 14, new casual Staff members and 17 new job order Staff members.

HRMD also goes the extra mile in recognizing exemplary contributions from both Faculty and Staff members by ensuring the full implementation of the Program on Awards and Incentives for Service Excellence (PRAISE) program, which awards cash gifts, groceries and rice subsidy to employees for services they have rendered to the Institute.

In order to facilitate better understanding of Institute policies and upgrade knowledge and skills, HRMD sends select Institute employees and HRMD staff to in-house-as well as outside-trainings, seminars and orientations. This year, it sends 18 HRMD Staff for training, and 107 Faculty and Staff to the Civil Service Commission (CSC) New Entrants Seminar.

As fruits of all its effort to improve itself and to better serve the Institute, HRMD is now rated very satisfactory by CSC Region X for Anti-Red Tape Act (ARTA) Compliance, PRIME-HRM Level II Accredited and SPMS- approved and Certified by CSC.



Medical Dental Health Services

MUHAMMAD M. PUTING, MD
Acting Head

The Medical Dental Health Services (MDHS) prioritizes health innovation, which is reflected in its accomplishments this year.

This January, the clinical laboratory starts offering free hematology and blood chemistry tests to all Institute constituents and their direct dependents who may have one (1) hematology and one (1) blood chemistry tests per year, subject to availability of reagents.

The MDHS also lends its expertise in the cause of disaster preparedness through participating in the first series of seminars on emergency response which aims

to educate and train identified MDHS personnel who also happen to be members of the Institute Emergency Response Team (ERT). To further hone skills required in handling different types of disaster, the MDHS proposes for more lectures from licensed specialists from national offices.

To improve dental care, the MDHS purchases two (2) units of dental chairs which will be fully operational by the first quarter of 2017. The features of the state-of-the-art dental chairs ensure patients' comfort and confidence in the dental procedures they undergo.



MDHS collaborated with Lifeline EMS Academy during the Ambulance Training Course

Physical Plant Division

MAMATADUNG S. DIMATANDAY, MPA
Acting Director

The target performance of PPD is measurable by the standards of efficiency and effectiveness by which they carry out their administrative functions. Through its revised Manual of Operations, the implementation of its various plans and projects is made possible.

In 2016, PPD achieves one hundred percent (100%) of its plans and projects successfully. The Institute is witness to the construction of new buildings, renovation of pavements, as well as repair and maintenance of facilities.

Below are the photos of completed projects and renovations and followed by the details of the said completed projects.



**Physical Plant Division (PPD) Annual Report Article
COMPLETED PROJECTS FOR 2016**

A. Completed Projects (Fund Cluster 01)	Total Amount Incurred	Date Started	Date Completed / Remarks
Replacement of Door at Graduate School Dormitory	3,500.00	1-06 -2016	1-06 -2016
Renovation of Dilapidated overhang ceiling at terrestrial gallery of CSM Bldg.	161,000.00	11-27-15	1-04-2016
Tiling of Classrooms 5,6,7,8 &9 at CON, 4thFloor, ETC Bldg	314,000.00	11-27-15	1-08-2016
Repair of Pantry at COA	19,500.00	1-18-16	1-29-2016
Gymnasium Lighting ACU casing & replacement of Doors at Rm. 311-A, 311-B, 312-A & 312-B	370,228.30	12-01-2015	02-15-2016
3rd Floor , ETC Bldg	55,960.00	01-6-2016	01-20-2016
Replacement of roofing at Admin. Bldg.	338,095.00	01-04-2016	02-07-2016
Renovation of Supply & Property Management Division (Toga Storage)	333,251.00	11-16-2015	02-15-2016
Renovation of Windows at 2nd floor, Admin. Bldg.	194,000.00	04-13-2016	05-08-2016
Renovation of Windows at 3rd floor, Main Library Building	328,400.00	04-06-2016	05-06-2016
Renovation of Windows at 2nd floor, Main Library Building	629,400.00	04-15-2016	06-24-2016
Renovation of windows at Ground Floor, Main Library Building	180,400.00	06-22-2016	07-20-2016
Renovation Of HRM Archives Room	93,700.00	05-31-2016	06-30-2016
Repainting of Graduate School Dormitory	152,562.78	09-15-2016	10-25-2016
Renovation of Accounting Office Stockroom	119,200.00	07-08-2016	10-03-2016
Repair & Improvement of IDS-MPH Roofing	360,700.00	08-23-2016	09-22-2016
Improvement of Gymnasium Roofing	1,497,000.00	09-20-2016	09-27-2016
Storage at Chancellor's Office	130,000.00	08-26-2016	10-16-2016
Replacement of Windows at COA & Guidance Office	171,000.00	08-25-2016	10-03-2016
Replacement of Windows and Doors at DSA & OVCPD	48,000.00	05-25-2016	08-5-2016
Replacement of Main Entrance Door at Gymnasium Building	11,000.00	05-20-2016	05-30-2016

Improvement of Hallway Railings, 2nd & 3rd floors, CSM Building	183,370.00	06-22-2016	07-21-2016
Improvement of hallway Stair Railings, 2nd to 3rd floors, CSM Building	81,011.27	08-01-2016	10-15-2016
Replacement of Ceiling & Electrical Fixtures at Ground Floor at ETC Building	894,000.00	06-04-2016	09-09-2016
Replacement of Ceiling & Electrical fixtures at 2nd Floor at ETC Bldg.	515,700.00	05-31-2016	06-23-2016
Replacement of Conventional Lighting to LED at Old CASS Bldg.	203,396.56	07-01-2016	07-15-2016
Replacement of Conventional Lighting to LED at 2nd Floor CASS Bldg.	128,498.28	07-16-2016	07-23-2016
Replacement of Conventional Lighting to LED at 3rd Floor CASS Bldg.	128,498.28	07-25-2016	08-01-2016
Replacement of Conventional lighting to LED at CBAA Hallway & Offices	118,200.00	11-08-2016	11-15-2016
Replacement of Glass Windows & Aircon Casing at CON, 4th Floor	30,000.00	07-08-2016	07-22-2016
Repainting of Interior Walls of Museum and Panel board at 4th Floor, CSM Bldg.	109,700.00	07-05-2016	08-05-2016
Renovation of Room 131, CSM Building	27,800.00	06-27-2016	09-16-2016
Improvement of Covered Walkway in front of Main Library Bldg.	402,160.20	07-23-2016	09-23-2016
Improvement of Water Supply System at OVCRE, 3rd Floor Library Bldg.	182,000.00	09-23-2016	10-15-2016
Replacement of Interlink Railings at Gymnasium Building	676,700.00	09-24-2016	12-09-2016
Repainting of Cashier's Office	18,100.00	10-25-2016	11-15-2016
Replacement of Eaves Ceiling at BAC Office, 3rd Floor, Main Canteen Bldg.	148,700.00	11-11-2016	12-01-2016
Replacement of Windows at MICEL Office, 2nd Floor, Main Canteen Bldg.	158,700.00	1-28-2016	11-27-2016
Replacement of Roofing at SET Old Bldg. corridor (front side of CBAA Bldg.)	646,700.00	08-11-2016	10-10-2016
Wall Mounted Shelves at Accounting Office	19,500.00	07-29-2016	10-01-2016

Total Incurred Expenses Php10, 869, 193.67

B. Completed Projects (Fund Cluster 05 (164))	Total Amount Incurred	Date Started	Date Completed / Remarks
Fabrication of 2 tables and 8 chairs for the Graduate School Office, CSM	87,800.00	01-18-2016	11-16-2016
Installation & Fabrication of 2 Units bulletin boards and cabinets for the Hotel & Restaurant Management, CBAA	76,900.00	11-16-2015	01-18-2016
Renovation Room 331, CSM Building	56,000.00	12-07-2015	01-04-2016
Renovation of Room 117, CSM	499,971.42	11-05-2015	01-15-2016
3-Phase Power Line at MSU-IIT ,Hinaplanon Property	630,000.00	12-08-2015	02-05-2016
Renovation of Guidance & Counselling Office & EC-Office at 1st Floor, CSM Bldg.	207,914.00	12-02-2015	01-29-2016
Fabrication and Installation of two (2) Louvres/guide vanes at Gym	41,900.00	01-26-2016	02-12-2016
Fabrication of Writing Boards & TV glass enclosure at CED Building	114,000.00	01-06-2016	02-12-2016
Fabrication of one (1) unit hanging cabinet at Accountancy Dept.	14,800.00	02-23-2016	03-16-2016
Renovation of CON Library,4th Floor, ETC Building	213,000.00	05-31-2016	06-30-2016
Painting of Exterior Walls of Eng'ng.& Technology Complex Bldg. (front & left side)	654,001.86	12-08-2015	02-29-2016
Renovation of Rooms 327 & 328, CSM Building	223,863.39	11-03-2015	02-22-2016
Fabrication and Installation of roofing Insulation At Gymnasium (front stage only)	150,000.00	01-20-2016	01-26-2016
Fabrication of One (1) Unit Hanging Cabinet at Accountancy Department	14,800.00	02-23-2016	03-16-2016
Fabrication of One (1) Unit Cabinet at Rm. 116, CSM Building	18,800.00	03-05-2016	04-23-2016
Renovation of College of Nursing Library, 4th Floor ETC Building	213,000.00	05-31-2016	06-30-2016
Renovation of MSU-IIT Clinic Facade	104,000.00	05-14-2016	07-16-2016
Renovation of CON-EC Room at 4th Floor, ETC Bldg.	69,200.00	05-26-2016	07-14-2016
Fabrication of ten (10) Units Globe trash Bins	45,000.00	06-01-2016	07-01-2016
Replacement of Ceiling at Classrooms 1, 2 & 3 at 4th Floor, ETC Bldg.	272,113.80	04-05-2016	05-13-2016

Installation of One (1) unit Bulletin Cork Board for the Dept. of Math & Statistics, 2nd Floor, CSM Bldg.	11,000.00	06-01-2016	07-01-2016
Glass Partitioning of Computer Lab A& C at SCS Computer Laboratory Rooms, ICTC	130,300.00	05-26-2016	06-30-2016
Elevation of Floor (levelling) at working shop area at DMET, Old SET Bldg.	69,200.00	06-08-2016	07-14-2016
Removal of Asbestos Roofing at HVACR Dept., Old SET Bldg.	990,000.00	06-16-2016	06-18-2016
Replacement of Roofing after removal of asbestos at Old SET Bldg.	473,000.00	06-16-2016	07-15-2016
Fabrication of 12 Units Polar Boards with holder for Dept. of Math & Statistics, CSM Bldg.	10,000.00	06-30-2016	08-09-2016
Installation of 75KVA Transformer at Gymnasium	897,500.00	07-05-2016	07-22-2016
CED Library Staff Lounge (glass wall partitioning), CED Bldg.	49,900.00	06-27-2016	08-19-2016
Wall mounted shelves at Accounting Office	19,500.00	07-29-2016	10-01-2016
Waterline system for CSM Research Building	1,275,000.00	08-10-2016	10-16-2016
Replacement of Floor tiles & Repainting of walls and ceiling at DMET Office	76,600.00	06-28-2016	08-01-2016
Kitchen Counter splashboard and jalouplas window with screen, 1st floor, CED Bldg.	87,450.00	08-10-2016	09-02-2016
Replacement of Window at SMAS Office, CSM Bldg.	4,000.00	10-20-2016	10-28-2016
Renovation of CED-H.E. classroom near Gymnasium Bldg.	230,000.00	08-16-2016	10-03-2016
Renovation of Room 122, 1st Floor, COE building	316,500.00		11-29-2016
Concreting of Flooring at Automotive Building Extension	79,400.00		12-07-2016
Renovation of Window and Pantry at SGS, CSM Building	99,080.00	08-21-2016	11-29-2016
Bookshelves with cabinet at OVCRE, Main Library	110,000.00		11-29-2016
Demolition of Old SET Building	450,000.00	11-14-2015	12-29-2016
Replacement of Ceiling at Classrooms 1, 2 & 3 at 4th Floor, ETC Bldg.	272,113.80	04-05-2016	05-13-2016

Total Incurred Expenses Php6,115,343.80

B. Completed Projects (GAD/GAA Funds)	Total Amount Incurred	Date Started	Date Completed / Remarks
Renovation of Comfort Room at Biological Sciences, Room 224, CM Bldg.	16,500.00	06-27-2016	10-07-2016
Renovation of Comfort Room of Faculty & Staff, 2nd Floor, CASS Bldg.	279,510.82	04-13-2016	09-16-2016
Renovation of Comfort Room of Faculty & Staff, 3rd Floor, CASS Bldg.	242,000.00	06-11-2016	10-17-2016
Renovation of Comfort Room at SET Director's Office.	178,300.00	07-31-2016	10-16-2016
Renovation of CON Female Comfort Room, 4th Floor, ETC Bldg.	298,980.00	08-21-2016	10-11-2016
Renovation of Comfort Room of Faculty & Staff, 3rd floor, CASS Bldg.	242,000.00	06-11-2016	10-17-2016
Renovation of Female Comfort Room, 3rd Floor, CED Bldg.	190,800.00	07-22-2016	12-14-2016
Renovation of Male Athlete Comfort Room at Gymnasium Bldg.	383,772.48	06-11-2016	09-23-2016
Replacement of Tiles at OVCRE Office (Vice Chancellor)	36,029.30	05-02-2016	05-13-2016
Replacement of Tiles at OVCRE (MCR-GAD Office)	44,084.90	09-13-2016	10-13-2016
Pantry & Comfort Room at ICTC Building	146,788.00	08-24-2016	On-going

Total Incurred Expenses Php2,058,729.50

B. Completed Projects - Capital Outlay (Income)	Total Amount Incurred	Date Started	Date Completed / Remarks
Construction of New Motor Pool Office & Repair Shop at Hinaplanon	1,633,739.48	12-08-2015	10-31-2016
Construction of Physical Plant Division Bldg. (Phase I-B)	952,239.00	11-03-2015	08-31-2016
Construction of Material Recovery Facility (Phase I)	975,019.79	02-01-2016	12-21-2016
Construction of Physical Plant Division Bldg. (Phase I-C)	1,902,026.13		On Going
Construction of Physical Plant Division (Phase 1-D)	1,137,512.00		To be started

Total Incurred Expenses Php6,600,536.40

B. On Going Projects (Fund 101)	Total Amount Incurred	Date Started	Date Completed / Remarks
Installation of frosted film at entrance door & replacement of ceiling at Internal Audit Services Unit Office	120,000.00	11-04-2016	90%
Improvement of Staircase 9canopy & sun baffles), left side stair, ETC Bldg.	259,102.94	10-05-2016	50%
Proposed Comfort Room at IASU Office	60,000.00	12-15-2016	90%
Renovation of Female Comfort Room, 2nd floor, RSD Office, ETC Bldg.	285,000.00	11-08-2016	40%
Improvement of Parking Area In-front of Old SET Bldg.	376,263.96	10-05-2016	50%
Improvement of Parking Area In front of Gymnasium Bldg.	290,934.19	10-15-2016	20%
Improvement of Covered Walkway from KASAMA Bldg. to CASS	205,300.00	08-24-2016	90%
Replacement of Windows at Ground - 3rdFloors, CED Building	446,980.84	10-05-2016	50%
Repainting of Interiors, Walls at CBAA Bldg.	261,290.88	11-29-2016	35%
Additional Railing at Hallway & Stair Landing at ETC, 2nd-4th Floor	152,360.00	10-24-2016	60%
Landscaping at MSU-IIT Mini Park	1,078,995.26	12-20-2016	20%

Total Incurred Expenses Php3,536,228.07

B. On Going Projects (Fund 105)	Total Amount Incurred	Date Started	Date Completed / Remarks
Fabrication and installation of louver at roof ridge, Gymnasium Building	11,588.75	10-15-2016	On-going
Replacement of Cabinets & Installation of Ceiling at Room 121, CSM Building	236,000.00	11-08-2016	On-going
Partition and filing shelves at BAC Office	199,710.00	11-08-2016	On- going
Replacement of Stone Cladding at CSM Building	49,900.00		On-going
Glass Partition, fabrication of built-in-wall cabinet & writing boards & improvement of CBAA Research Extension and MSU-IIT TBI Annex Building	2,347,238.82	10-26-2016	On-going
Pantry & Comfort Room at ICTC Building	146,788.00	08-24-2016	On-going

Total Incurred Expenses Php3,091,225.57

Total Number of Accomplished Requests for Repair and Maintenance



Electrical

Carpentry

Masonry

Welding



Plumbing



Painting

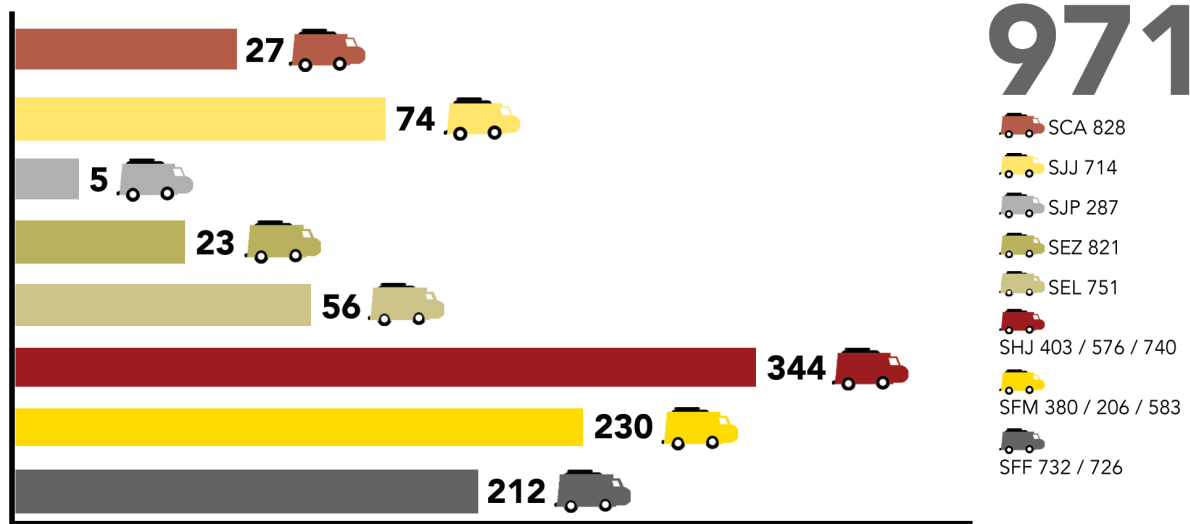


Other Services

685

**Total No. of
Accomplished
Requests
(January-December)**

Total Number of Trips of All Institute Vehicles



971

SCA 828

SJJ 714

SJP 287

SEZ 821

SEL 751

SHJ 403 / 576 / 740

SFM 380 / 206 / 583

SFF 732 / 726

Cashiering Division

SAHRIMA D. MACKNO, CPA
Acting Director

The goal of the Cashier's Office is to support the Institute's mission by providing high quality and efficient cashiering services to students, faculty, staff, and the general public. Pursuant to its mandate, it is tasked with performing fiscal matters, specifically, collection of income or monies accruing to the Institute and payment of its monetary obligations. This is accomplished with due compliance with the prescribed policies and procedures, laws and regulations related to the handling and disposition of public funds; all the while adhering to a strong personal commitment to professional service delivery.

For the year 2016, the accomplishments of the Cashier's Office are as follows:

1. For the year 2016, the Department of Budget and Management (DBM) released to the Institute Notices of Cash Allocation (NCAs) thru our regular treasury account under the Modified Disbursement System (MDS) maintained at the Land Bank of the Philippines – Iligan City Branch amounting to Php 827,557,361.00 to cover the operating requirements of the Institute. As of December 31, 2016, total disbursements from this account amounted to Php 767,736,992.44 covering the payment of 9,986 disbursement vouchers and payrolls through the issuance of 172 MDS checks and 1,002 List of Due and Demandable Accounts Payable – Advice to Debit Accounts (LDDAP-ADA). Year over year, total NCA amount increased by 20%, total disbursements increased by 15% and total transaction volume increased by 22%. For the year, the Institute had a 93% NCA utilization rate.
2. As of December 31, 2016, Trust Fund, Special Trust Fund and IGP liabilities were paid through the issuance of 6,744 commercial checks amounting to Php 287,661,750.57 covering the payment of 7,357 disbursement vouchers and payrolls. As against the previous year, total disbursements from the above accounts increased by 18% while transaction volume increased by 5%. Operational efficiencies have led to a reduction of commercial checks issued by 31%.
3. For the year ended December 31, 2016, the Cashier's Office issued 74,638 Official Receipts (OR) for collections amounting to Php 322,897,113.95. Compared to the previous year, total collections increased by 24% and ORs issued increased by 15%.
4. The Cashiering Services Division's strategic plan for 2016 included upgrading of their old queuing system to improve their clients' experience with their services. After the procurement of the necessary equipment and coordination with the Institute's management and ICTC programmers, a new queuing system was finally launched and used during the regular enrolment period which started on August 1, 2016.

The new queuing system is a great innovation which resulted to a big difference in the length of the queuing lanes experienced during enrolment periods. It is by far more technologically-enhanced than the old one. It is linked to the Institute's official website and the my.IIT accounts of each students which enabled the students to secure electronic priority number online and real-time monitoring of service queue thru the website and with mobile notification feature.

Cashiering Services - 2016 NCA Performance

	2016	2015	Increase (Decrease)	% Change
Total NCA Received	827,557,361.00	691,655,153.00	135,902,208.00	20%
Total Disbursements	767,736,992.44	669,277,013.28	98,459,979.16	15%
MDS Checks Issued	172	1,217	(1,045)	-86%
LDDAP-ADA Issued	1,002	328	674	205%
DVs/Payrolls Processed	9,986	8,178	1,808	22%

Cashiering Services - 2016 Fund 164,161, and 101 Performance

	2016			
	164	161	101	Total
Total Collections	113,633,700.21	3,545,476.24	205,717,937.50	322,897,113.95
Total Disbursements	85,679,521.31	1,736,719.37	200,245,509.89	287,661,750.57
ORs Issued	73,459	617	562	74,638
Commercial Checks Issued	3,147	62	3,535	6,744
DVs/Payrolls Processed	4,274	49	3,034	7,357

2015				Increase (Decrease)	% Change
164	161	101	Total		
95,883,279.34	2,342,431.22	162,532,363.31	260,758,073.87	62,139,040.08	24%
82,620,323.54	1,056,120.38	160,941,265.96	244,617,709.88	43,044,040.69	18%
63,729	448	489	64,666	9,972	15%
4,262	147	5,341	9,750	(3,006)	-31%
4,595	58	2,382	7,035	322	5%

Period	Fund 164						Fund 161 (IGP)		
	Income			Student Government/ Student Publication					
2016	Amount (Php)	DV/Payrolls Processed	Checks Issued	Amount (Php)	DV/Payrolls Processed	Checks Issued	Amount (Php)	DV/Payrolls Processed	Checks Issued
1 January	11,572,732.89	432	378	-	-	-	227,730.56	7	13
2 February	7,352,797.18	540	378	222,902.00	2	2	4,313.87	2	2
3 March	6,158,338.11	347	273	-	-	-	-	-	-
4 April	5,184,288.32	307	321	-	-	-	118,312.57	3	3
5 May	7,044,372.35	373	256	93,750.00	2	2	40,793.39	2	2
6 June	3,965,739.51	245	167	-	-	-	74,747.60	3	3
7 July	9,526,589.36	273	257	70,562.00	2	16	72,929.75	2	2
8 August	6,570,481.66	374	227	148,972.00	1	1	59,717.08	3	3
9 September	5,168,757.13	235	201	55,206.00	2	2	22,583.61	1	1
10 October	5,312,988.24	299	210	92,034.50	2	2	272,774.84	5	17
11 November	10,047,746.55	379	215	4,687.50	3	3	568,786.18	8	6
12 December	7,086,576.01	456	236	-	-	-	274,029.92	13	10
TOTAL	84,991,407.31	4,260	3,119	688,114.00	14	28	1,736,719.37	49	62
2015	81,802,108.29	4,577	4,244	818,215.25	18	18	1,056,120.38	58	147

Fund 101									
DOST				CHED			CHED DAP		
Amount	(Php)	DV/Payrolls Processed	Checks Issued	Amount (Php)	DV/Payrolls Processed	Checks Issued	Amount (Php)	DV/Payrolls Processed	Checks Issued
1	3,290,246.71	98	47	1,927,828.89	25	89	-	-	-
2	17,456,877.90	195	166	2,120,332.29	52	105	-	-	-
3	13,042,804.19	145	178	2,147,425.17	44	121	4,657,368.79	1	1
4	9,507,090.30	104	146	1,554,350.76	36	67	-	-	-
5	15,007,834.62	235	153	3,383,846.23	78	297	-	-	-
6	4,597,335.06	157	72	3,916,235.75	49	103	5,046,081.91	1	1
7	8,949,846.51	154	137	638,644.71	30	30	-	-	-
8	5,609,230.15	225	143	647,384.42	24	156	-	-	-
9	22,658,180.67	194	162	6,040,061.19	48	114	-	-	-
10	18,600,969.35	263	207	2,904,906.89	37	238	-	-	-
11	21,195,444.33	156	138	1,388,994.11	27	75	-	-	-
12	16,195,819.67	250	147	1,777,164.46	38	176	-	-	-
156,111,679.46	2,176	1,696	28,447,174.87	488	1,571	9,703,450.70	2	2	2
124,943,819.19	1,773	3,781	22,421,549.20	399	1,275	10,864,178.11	6	6	6

Fund 101						TOTAL	
Other Trust Funds							
Amount (Php)	DV/Payrolls Processed	Checks Issued	Amount (Php)	DV/Payrolls Processed	Checks Issued		
1	155,314.00	15	9	17,173,853.05	577	536	
2	345,713.35	40	39	27,502,936.59	831	692	
3	781,289.69	37	35	26,787,225.95	574	608	
4	331,031.75	25	24	16,695,073.70	475	561	
5	511,912.90	42	21	26,082,509.49	732	731	
6	297,227.26	19	10	17,897,367.09	474	356	
7	313,247.65	20	13	19,571,819.98	481	455	
8	652,796.97	41	47	13,688,582.28	668	577	
9	455,591.99	40	21	34,400,380.59	520	501	
10	671,570.97	38	18	27,855,244.79	644	692	
11	673,808.69	24	12	33,879,467.36	597	449	
12	793,699.64	27	17	26,127,289.70	784	586	
5,983,204.86	368	266	287,661,750.57	7,357	6,744		
2,711,719.46	204	279	244,617,709.88	7,035	9,750		

Summary of Collections Funds 164, 161, and 101
For the Year Ended December 31, 2016

	Period	Fund 164 (Income)		Fund 161 (IGP)		Fund 101				
		Amount (Php)	No. of ORs Issued	Amount (Php)	No. of ORs Issued	DOST		CHED		
						Amount	(Php)	No. of ORs Issued	Amount (Php)	No. of ORs Issued
1	January	34,396,690.62	19,655	289,600.00	35	6,694,822.05		10	3,563,859.47	20
2	February	1,464,000.30	2,371	93,730.00	63	34,486,178.50		16	10,001,065.90	2
3	March	3,569,637.79	2,738	690,695.00	54	6,245,041.00		9	1,305,359.00	5
4	April	2,202,886.38	2,795	163,846.00	58	14,267,861.44		4	1,923,059.00	1
5	May	11,357,951.93	7,034	101,100.00	46	29,639,333.80		17	10,000.00	3
6	June	12,321,495.71	10,233	347,485.00	60	1,977,904.53		14	3,075,857.21	7
7	July	2,838,740.00	2,500	219,276.00	36	5,251,730.41		10	10,500.00	3
8	August	26,407,081.56	15,387	508,700.00	55	29,321,229.80		16	343,568.00	2
9	September	4,211,420.71	1,886	412,859.14	43	28,700,834.78		20	14,107,182.93	1
10	October	6,503,390.61	2,981	129,186.00	55	3,219,977.00		14	1,834,903.83	3
11	November	1,924,224.62	1,921	204,145.00	41	93,420.00		10	13,500.00	1
12	December	6,436,179.98	3,958	384,854.10	71	369,268.69		26	1,416,000.00	1
TOTAL		113,633,700.21	73,459	3,545,476.24	617	160,267,602.00		166	37,604,855.34	49
2015		95,883,279.34	63,729	2,342,431.22	448	127,141,320.14		102	27,132,344.86	13

	Fund 101				TOTAL	
	National Treasury		Other Trust Funds			
	Amount (Php)	No. of ORs Issued	Amount (Php)	No. of ORs Issued	Amount (Php)	No. of ORs Issued
1	65,580.65	21	191,196.19	5	45,201,748.98	19,746
2	74,124.26	29	319,140.00	1	46,438,238.96	2,482
3	45,710.71	20	11,406.55	1	11,867,850.05	2,827
4	28,912.50	24	-	-	18,586,565.32	2,882
5	51,205.80	29	1,586,142.51	2	42,745,734.04	7,131
6	65,895.49	17	-	-	17,788,637.94	10,331
7	54,812.66	20	165,195.75	1	8,540,254.82	2,570
8	40,083.01	16	746,401.90	3	57,367,064.27	15,479
9	34,087.77	30	43,500.00	1	47,509,885.33	1,981
10	143,217.66	32	2,168,354.42	5	13,999,029.52	3,090
11	105,399.42	52	1,809,391.55	3	4,150,080.59	2,028
12	66,442.11	34	29,279.25	1	8,702,024.13	4,091
775,472		324	7,070,008.12	23	322,897,113.95	74,638
1,293,234		343	6,965,464.09	31	260,758,073.87	64,666

Summary of NCA Utilization
For the Year Ended December 31, 2016

2016	JAN	FEB	MAR	APR	MAY	JUN
NCA						
Balance from Previous Month		34,883,006.55	9,094,168.45		57,524,391.50	63,502,632.90
NCA-NCR-16-0000997 (Regular)	86,920,000.00	49,378,000.00	55,990,000.00	97,813,000.00	67,637,000.00	45,751,000.00
NCA-NCR-16-0003412 (Differential)			10,314,000.00	3,438,000.00	5,096,000.00	3,439,000.00
NCA-NCR-16-0007739 (Mid-Year Bonus)					12,131,579.00	
NCA-NCR-16-0011722 (Regular)						
NCA-NCR-16-0013852 (Regular)						
NCA-NCR-16-0017719 (NBC No. 308)						
NCA-NCR-16-0018126 (Add'l PS)						
NCA-NCR-16-0022751 (TD Grantees)						
NCA-NCR-16-0024308 (PEI)						
Total NCA	86,920,000.00	84,261,006.55	75,398,168.45	101,251,000.00	142,388,970.50	112,692,632.90
Total Disbursements	52,036,993.45	75,166,838	75,398,144	43,726,608.50	78,886,337.60	88,963,914.15
Balance	34,883,006.55	9,094,168.45	24.28	57,524,391.50	63,502,632.90	23,728,718.75
MDS Checks Issued	18	22	10	8	7	21
LDDAP-ADA Issued	43	66	90	79	91	122
DV/Payrolls Processed	586	624	843	712	987	1,095
2015						
Total Disbursements	30,274,157.38	45,574,166	66,259,110	43,613,254.90	51,040,692.88	59,257,362.42
MDS Checks Issued	126	184	229	184	88	130
LDDAP-ADA Issued	-	-	-	-	-	-
DV/Payrolls Processed	329	442	727	577	710	702

JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
	46,607,500.38	70,515,768.78		37,056,464.03	69,725,366.91	
						403,489,000.00
						22,287,000.00
						12,131,579.00
51,761,000.00						51,761,000.00
	66,563,000.00	54,357,000.00	54,357,000.00	99,433,000.00	54,350,000.00	329,060,000.00
					504,895.00	504,895.00
					3,869,389.00	3,869,389.00
					69,498.00	69,498.00
					4,385,000.00	4,385,000.00
51,761,000.00	113,170,500.38	124,872,768.78	54,357,000.00	136,489,464.03	132,904,148.91	827,557,361.00
5,153,499.62	42,654,731.60	113,611,294.98	17,300,535.97	66,764,097.12	108,073,997.18	767,736,992.44
46,607,500.38	70,515,768.78	11,261,473.80	37,056,464.03	69,725,366.91	24,830,151.73	59,820,368.56
1	10	29	7	11	28	172
50	84	110	61	81	125	1,002
330	755	1,012	577	976	1,489	9,986
74,344,062.17	35,343,743.20	84,255,889.72	39,787,574.15	65,607,735.04	73,919,264.91	669,277,013.28
68	33	53	37	38	47	1,217
-	35	81	83	61	68	328
753	668	866	754	871	779	8,178



Orientation on Law and Rules on Government Expenditures (LARGE) of the Accounting Staff

Accounting Division

KRISTELA DIANA MAY R. DELA RAMA, CPA
Acting Director

The Accounting Division (AD) aims to uphold operational excellence while aligning its targets with Institute goals and development programs.

In compliance with Commission on Audit (COA) Circular no. 2015-007, dated October 22, 2015, the AD starts to implement the Government Accounting Manual (GAM). And to educate all Institute financial assistants of the mandatory reforms, it conducts an Orientation on Laws and Rules on Government Expenditures on September 6, 2016.

In order to keep abreast of current accounting standards, rules and regulations, the AD staff are sent to relevant trainings and seminars. They also conduct strategic planning activities on May 6-8, 2016 in Cagayan de Oro City to clarify their office's vision and to further improve their working relations.

This year, the AD processes more than 17,195 disbursement vouchers. Cash advances amounting to P10,005,288.53 are granted, of which 88.66% are already liquidated. Accurate and transparent reports of these are submitted to agencies that require them, such as COA, DBM, CHED, NEDA, Philippine Association of State Universities and Colleges (PASUC) as well as other national government agencies of regulatory nature.

Statement of Financial Position
ALL FUNDS
As at December 31, 2016

	Notes	2016	2015
ASSETS			
Current Assets:			
CASH AND CASH EQUIVALENTS	6 P	308,084,688.09 P	285,902,939.20
RECEIVABLES	7	20,463,259.75	21,901,351.33
INVENTORIES	8	4,962,684.48	4,283,782.37
OTHER CURRENT ASSETS	9	14,310,270.46	12,465,867.24
Total Current Assets		347,820,902.78	324,553,940.14
Non-Current Assets:			
INVESTMENTS	10	10,250.00	10,250.00
PROPERTY, PLANT AND EQUIPMENT	11 P	848,991,248.46 P	832,256,754.11
INTANGIBLE ASSETS	12	11,432.00	62,876.00
OTHER NON-CURRENT ASSETS	13	3,128,612.69	6,733,270.64
Total Noncurrent Assets		852,141,543.15	839,063,150.75
TOTAL ASSETS	P	1,199,962,445.93	P 1,163,617,090.89
LIABILITIES			
Current Liabilities:			
FINANCIAL LIABILITIES	14 P	94,018,506.72 P	148,622,838.27
INTER-AGENCY PAYABLES	15	100,338,115.89	101,985,196.35
INTRA-AGENCY PAYABLES	16	7,000,466.97	6,561,788.70
TRUST LIABILITIES	17	27,312,632.21	33,115,747.30
OTHER PAYABLES	18	8,244,037.18	7,565,483.69
Total Current Liabilities	P	236,913,758.97	P 297,851,054.31
Non-Current Liabilities			
DEFERRED CREDITS/UNEARNED INCOME	19	1,242,998.67	1,242,998.67
Total Non-Current Liabilities		1,242,998.67	1,242,998.67
TOTAL LIABILITIES		238,156,757.64	299,094,052.98
TOTAL ASSETS LESS TOTAL LIABILITIES		961,805,688.29	864,523,037.91
NET ASSETS/EQUITY			
Accumulated Surplus/(Deficit)		961,805,688.29	864,523,037.91
Total Net Assets/Equity	P	961,805,688.29	P 864,523,037.91

Detailed Statement of Financial Performance
Fund 05
For the Year Ended December 31, 2016

		Amount
Revenue		
Service And Business Income		
Service Income		
Registration Fees	4020102000-000	1,070,520.00
Clearance and Certification Fees	4020104000-000	580,900.00
Processing Fees	4020113000-000	392,141.50
Fines and Penalties - Service Income	4020114000-000	289,030.00
Other Service Income	4020199000-000	7,527,937.50
Total Service Income		9,860,529.00
Business Income		
School Fees	4020201000-000	88,390,122.66
Seminar/Training Fees	4020204000-000	20,375.00
Rent/Lease Income	4020205000-000	639,795.00
Income from Hostels/Dormitories and Other Like Facilities	4020213000-000	2,259,768.45
Sales Revenue	4020216000-000	70,395.00
Interest Income	4020221000-000	965,795.38
Total Business Income		92,346,251.49
Total Service And Business Income		102,206,780.49
Shares, Grants And Donations		
Grants and Donations		
Income from Grants and Donations in Kind	4040202000-000	48,990.00
Total Grants and Donations		48,990.00
Total Shares, Grants And Donations		48,990.00
Gains		
Gains		
Total Gains		-
Total Gains		-
Total Revenue		102,255,770.49
Less: Current Operating Expenses		
Maintenance And Other Operating Expenses		
Traveling Expenses		
Traveling Expenses - Local	5020101000-000	2,328,915.62
Total Traveling Expenses		2,328,915.62
Training and Scholarship Expenses		
Training Expenses	5020201000-000	2,445,757.32
Total Training and Scholarship Expenses		2,445,757.32
Supplies and Materials Expenses		
Office Supplies Expenses	5020301000-000	2,347,868.41
Medical, Dental and Laboratory Supplies Expenses	5020308000-000	2,396,994.46
Fuel, Oil and Lubricants Expenses	5020309000-000	1,688.00
Semi-Expendable Machinery and Equipment Expenses	5020321000-000	2,051,663.87
Semi-Expendable Furniture, Fixtures and Books Expenses	5020322000-000	1,902,524.09
Other Supplies and Materials Expenses	5020399000-000	1,533,622.28
Total Supplies and Materials Expenses		10,234,361.11
Communication Expenses		
Telephone Expenses	5020502000-000	830,667.74
Internet Subscription Expenses	5020503000-000	1,111,505.52
Total Communication Expenses		1,942,173.26

Awards/Rewards and Prizes		
Awards/Rewards Expenses	5020601000-000	100,000.00
Total Awards/Rewards and Prizes		100,000.00
Confidential, Intelligence and Extraordinary Expenses		
Extraordinary and Miscellaneous Expenses	5021003000-000	6,032.00
Total Confidential, Intelligence and Extraordinary Expenses		6,032.00
Professional Services		
Other Professional Services	5021199000-000	5,083,297.07
Total Professional Services		5,083,297.07
General Services		
Other General Services	5021299000-000	1,359,697.15
Total General Services		1,359,697.15
Repairs and Maintenance		
Repairs and Maintenance - Infrastructure Assets	5021303000-000	6,500.00
Repairs and Maintenance - Buildings and Other Structures	5021304000-000	6,523,641.73
Repairs and Maintenance - Machinery and Equipment	5021305000-000	40,884.00
Repairs and Maintenance - Transportation Equipment	5021306000-000	116,014.31
Repairs and Maintenance - Furniture and Fixtures	5021307000-000	20,000.00
Total Repairs and Maintenance		6,707,040.04
Other Maintenance and Operating Expenses		
Printing and Publication Expenses	5029902000-000	146,231.25
Representation Expenses	5029903000-000	119,774.32
Membership Dues and Contributions to Organizations	5029906000-000	9,500.00
Subscription Expenses	5029907000-000	812,342.00
Donations	5029908000-000	825,410.00
Other Maintenance and Operating Expenses	5029999000-000	2,206,590.10
Total Other Maintenance and Operating Expenses		4,119,847.67
Total Maintenance And Other Operating Expenses		34,327,121.24
Non-Cash Expenses		
Depreciation		
Depreciation - Land Improvements	5050102000-000	813,918.67
Depreciation - Infrastructure Assets	5050103000-000	728,039.39
Depreciation - Buildings and Other Structures	5050104000-000	2,918,948.46
Depreciation - Machinery and Equipment	5050105000-000	13,497,677.28
Depreciation - Transportation Equipment	5050106000-000	594,544.84
Depreciation - Furniture, Fixtures and Books	5050107000-000	2,727,115.99
Depreciation - Other Property, Plant and Equipment	5050199000-000	2,480,453.02
Total Depreciation		23,760,697.65
Amortization		
Amortization - Intangible Assets	5050201000-000	51,444.00
Total Amortization		51,444.00
Impairment Loss		
Impairment Loss - Property, Plant and Equipment	5050309000-000	132,350.24
Total Impairment Loss		132,350.24
Losses		
Total Losses		-
Total Non-Cash Expenses		23,944,491.89
Current Operating Expenses		58,271,613.13
Surplus (Deficit) from Current Operations		43,984,157.36

Detailed Statement of Financial Performance
Fund 05
For the Year Ended December 31, 2016

Financial Assistance/Subsidy from NGAs, LGUs, GOCCs		
Total Financial Assistance/Subsidy from NGAs, LGUs, GOCCs		-
Less: Financial Assistance/Subsidy to NGAs, LGUs, GOCCs, NGOs/POs		
Total Financial Assistance/Subsidy to NGAs, LGUs, GOCCs		-
Net Financial Assistance/Subsidy		-
Other Non-Operating Income		
Sale of Assets		
Sale of Garnished/Confiscated/Abandoned/Seized Goods and Properties	4060101000-000	171,991.17
Total Sale of Assets		171,991.17
Gains		
Other Gains	4050199000-000	789,024.17
Total Gains		789,024.17
Losses		
Loss on Sale of Property, Plant and Equipment	5050404000-000	756,774.12
Total Losses		756,774.12
Surplus (Deficit) for the period		44,188,398.58

Supply and Property Management Division

AKIMA M. BANGCOLA, CPA
Acting Director

In fulfillment of its mandate to serve the Institute and its constituents, and in its continued pursuit of service excellence, the Supply and Property Management Division (SPMD) invests in the development and improvement of its operations.

This year, SPMD successfully launches and implements the Equipment Inventory System (EIS) and the Warehouse Management System (WMS). EIS allows the transfer and cancellation of property accountabilities of Institute officers and employees through an online/we-based system. On the other hand, WMS automates the transactions of the Receiving and Warehousing Section which relates to inventory and issuance of construction, repair and maintenance of materials and supplies, and monitoring of projects. Both systems ensure faster, transparent and efficient property and warehouse management.

The SPMD also welcomes the transfer of responsibility in the preparation of vouchers of payment for suppliers from the Procurement Services Division (PSD). The transfer is in accordance with the implementing rules and guidelines of the Government Accounting Manual (GAM).

To contribute in the facilitation of better services in the Institute, the SPMD upgrades its physical facilities. It renovates the Toga Storage Room; concretizes the road facade of its office building and the lay-down



area for returned unserviceable property, plant and equipment (PPE); and constructs comfort rooms, a pantry, and additional storage area for returned PPE.

Harmonizing operational and physical enhancements with continuing professional development, SPMD officers and staff attend various trainings and seminar-workshops, both in-house and conducted by other government accredited agencies such as the Commission on Audit (COA), Civil Service Commission (CSC) and National Archives of the Philippines (NAP). Their attendance makes them more proactive in the performance of their assigned tasks, duties and responsibilities.

Through the invaluable support of the Administration, and the teamwork and passion of the officers and staff of the Property Management and Disposal Section (PMDS) and Receiving and Warehousing Section (PWS), the SPMD efficiently and effectively carries out the following undertakings:



Undertakings done by the Property Management and Disposal Section (PMDS) and Receiving and Warehousing Section (PWS)

Procurement Service Division

MUSACALA S. AMPASO, DM
Acting Director

The Procurement Service Division (PSD) caters to all procurement needs of sixty four (64) major offices of the Institute. To continually improve its services, and enable it to carry out its objectives, it holds periodic meetings and training activities guided by the Institute's Vision.

In upholding its own service vision of an outstanding, highly professional procurement division empowered by teamwork, dedication, fairness, integrity, strong commitment to excellent and innovative service, and responsiveness to the needs of the Institute and its stakeholders, the PSD employs the following strategies:



- Maintain an ICT- based procurement system and ensure that IT facilities are regularly upgraded;
- Implement multi-tasking or job rotation among personnel to ensure continuity of service;
- Update the monitoring system to ensure accurate and prompt service;
- Encourage personnel to revisit his/her work ethics and moral values through periodic team-building sessions;
- Remind every constituent to take responsibility for his/her actions; and
- Undertake tasks with utmost dignity and passion.

As vital arm of the Institute in government procurement, PSD abides by the implementing rules and regulations of Republic Act 9184 (Government Procurement), and encodes/prints the Request For Quotation (RFQ) for the cost centers' purchase requests and job order requests; and the Agency Procurement Management Plan, which could not be procured through the default mode of Public Bidding, but through alternative modes of procurement; namely, Shopping, Shopping-A, Small Value, Negotiated Procurement, or Direct Contracting.

Security and Investigation Division

EDUARDITO C. MARUHOM
Acting Director

The Security and Investigation Division (SID) takes to heart its primary responsibility of safeguarding the lives of all persons and properties inside the MSU-IIT Campus. It recommends sound security measures and implements Institute Security policies.

Aside from the usual general inspection, and briefing and orientation on their basic duties and responsibilities, the security guards undergo a drug test in support of President Rodrigo R. Duterte's campaign against drugs, as well as to ensure their competence in serving the Institute.

During the Midyear Graduation and Commencement Exercises, the Security Personnel are in full security

detail to provide adequate protection and guidance to all Institute constituents and guests. They carry out the same measures during major Institute activities, including the Iligan City Fiesta Celebration at the Institute gymnasium.

To ensure that the Institute is prepared for disasters, the SID collaborates with the Bureau of Fire Protection (BFP) Region X-Iligan City to facilitate a symposium on Fire Safety and Earthquake Awareness on March 10, 2016. The symposium is attended by Institute Building Safety Officers (BSO) and members of the Institute Emergency Response Team (ERT).

The programs of SID gain traction through the full support of the Institute Administration which makes possible the enhancement of campus security through CCTVs, availability of parking space near the SID office for motorcycles and for vehicles of Institute officials, installation of warning and traffic signs in strategic areas in Campus and of caller identification in some offices, creation of unloading bay for students outside the campus, and repairs of the pedestrian gutter in front of the Main Gate.

Going the extra mile, the SID receives updates on the peace and order situation in the city through its linkages with Iligan Bay Chamber of Industries, Inc. – Inter-Industry Security Alliance (IBCI-IISA) and other law enforcement agencies, and acts upon them.

Security Services and Policies		
Policy	Accomplishment	Remarks
Implementation of Exit Pass	1,016	Indorsements were made and forwarded to the Human Resource Management Division for further action.
Implementation of Activity Permits	748	Approved permits were monitored by Security Force.
Implementation of Gate Pass	295	Faculty, Staff, Suppliers and College of Law - Iligan Extension students
Record of Student Violation	95	Investigated and recorded
Investigate Incident Reports	13	Investigated and recorded

Income Generating Sections

YASLANI B. BANTUAS, CPA, REB
Over-all Coordinator

For 2016, the main objective of the Institutes' Income Generating Sections (IGS) is to consolidate all business-type activities of the Institute. The consolidation is reflected in the completed "MSU-IIT's Comprehensive Resource Generation Manual (MCRGM)", authored by Mr. Yaslani B. Bantuas, the IGS over-all coordinator. The manual includes an organizational structure and harmonized methods and measures to ensure efficient and effective resource generation.

The IGS facilitates the payment of the College of Education LET Review Personnel Incentives for Services rendered in 2012-2014; and the conduct of an Iligan Bay Chamber of Industry (IBCI) Training, which earns the Institute a gross income of P270,000 under the Income Generating Project (IGP). The Institute also generates a gross income of P401,039.14 from software installations by its Information and Communication Technology Center (ICTC), and ₱ 823,000 from an Industrial Automation and Control Engineering Technology (IACET) Scholarship Training Program.

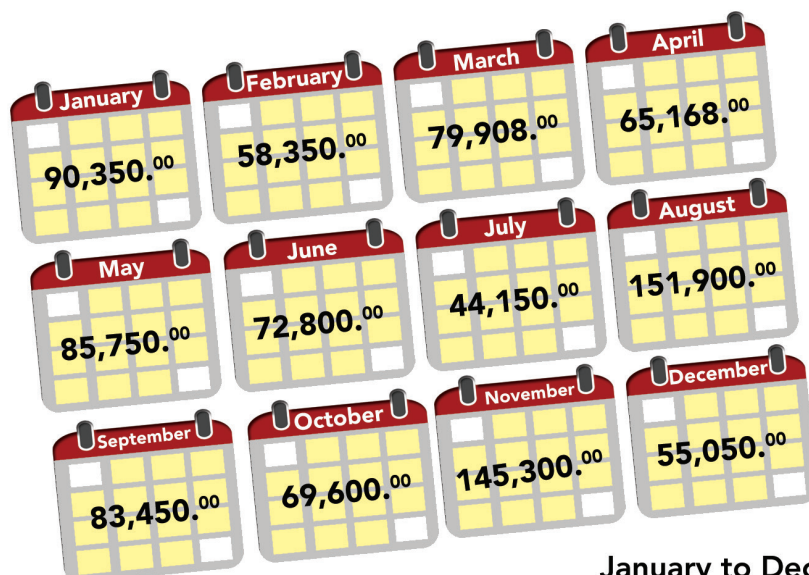
Upon approval of the MCRGM, Mr. Bantuas plans for IGS to create an inventory management system designed to accelerate all resource generation processes in the Institute.

The Income Generating Unit-Auxiliary Services consists of the Selling and Renting Unit, the Hostel and the Graduate Dormitory.

Currently, there are ten (10) Main Canteen stalls, 15 Business Center Stalls, five (5) Photocopying Center Stalls and one (1) Water Refilling Station being overseen by the Renting and Selling Unit. Exclusive of utilities, the revenue from rental fees amount to P27,600.00, and the Unit logs a net income of P1,102,934.70 for the year 2016.

The Hostel, on the other hand, earns the Institute 717,920 from a total of 693 guests and the Graduate Dormitory collects a total of P1,001,776.00 from 77 regular occupants.

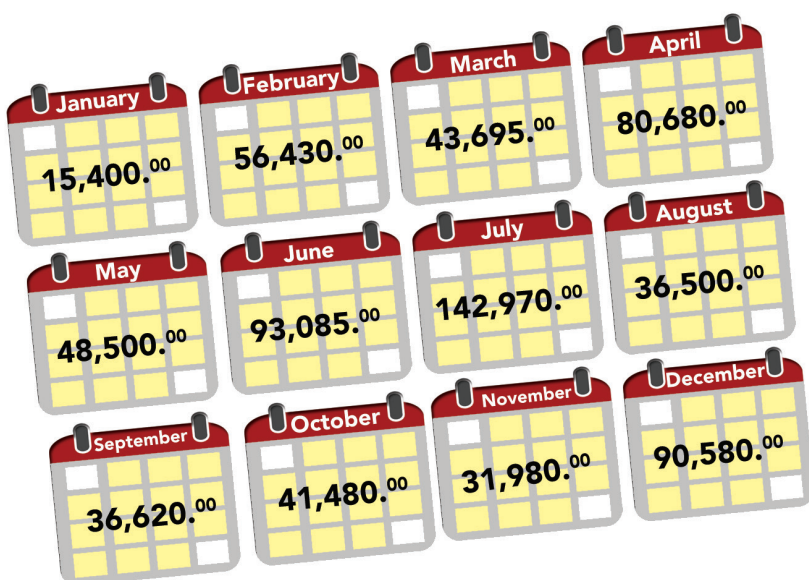
Total Collection of Graduate Dormitory



₱ 1,001,776.00

January to December 2016

Hostel Total Income for 2016



₱ 717,920.00

Selling and Renting Unit	
Number of stalls	Main Canteen = 10 stalls (IDS) Business Center = 15 stalls (located in different areas inside the campus) Photocopying Center = 5 stalls (CED, CET, SET, SCS, CASS) Water Refilling Station (Tubig Machine) = 1 (near OARP) TOTAL OF 31 STALLS
Rental Fees (exclusive of utilities)	7, 500.00 = 5 stalls 5, 000.00 = 3 stalls 4, 000.00 = 10 stalls 3, 500.00 = 5 stalls 3, 000.00 = 2 stalls 1, 700.00 = 1 stall 1, 400.00 = 3 stalls 1, 000.00 = 1 stall 500.00 = 1 stall
Discount Rates	50% - January and December (sembreaks) 80% - June and July (Summer break) 10% - October (Palakasan)
Other Income	Permit to Sell = 200.00 / day
Net Income for the Year 2016	Php 1, 102, 934.70 (Please see table for the breakdown)

Summary of Total Collection (Net of Tax)

	JAN	FEB	MAR	APR	MAY	JUN
Main Canteen	27,000.00	54,000.00	54,000.00	54,000.00	54,000.00	10,800.00
Business Center	31,000.00	62,000.00	62,000.00	62,000.00	62,000.00	12,400.00
Photocopying Center	3,700.00	7,400.00	7,400.00	7,400.00	7,400.00	1,480.00
TOTAL	61,700.00	123,400.00	123,400.00	123,400.00	123,400.00	24,680.00

OTHER INCOME

Permit to Sell	200	6,200.00	1,300.00	800	0	0
Penalty	0	0	143	155.1	9.9	390.2
TOTAL	200	6,200.00	1,443.00	955.1	9.9	390.2

	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL
Main Canteen	10,800.00	54,000.00	54,000.00	48,600.00	54,000.00	27,000.00	502,200.00
Business Center	12,400.00	62,000.00	62,000.00	55,800.00	62,000.00	31,000.00	576,600.00
Photocopying Center	1,480.00	7,400.00	7,400.00	6,660.00	7,400.00	3,700.00	68,820.00
TOTAL	24,680.00	123,400.00	123,400.00	111,060.00	123,400.00	61,700.00	1,147,620.00

LESS 5% WITHHOLDING TAX **57,381.00**
NET COLLECTION 1,090,239.00

OTHER INCOME

Permit to Sell	0	0	1,400.00	800	0	0	10,700.00
Penalty	140.2	90.1	96.5	149.6	469.5	351.6	1,995.70
TOTAL	140.2	90.1	1,496.50	949.6	469.5	351.6	12,695.70

NET COLLECTION 12,695.70

OVER-ALL NET COLLECTION 1,102,934.70



Office of the Vice Chancellor for Planning and Development

FELICIANO B. ALAGAO, PhD
Vice Chancellor

In consonance with its mandate for academic growth in science and technology, the Office of the Vice Chancellor for Planning and Development (OVCPD) has given unprecedented attention to conform to national standards of educational equality and equity. With the widespread educational and governmental support, the Office along with its sub-offices, continues to increase its operation, consultative-policy-decision meetings, infrastructures, linkages, and the like.

International Travels

The year 2016 engages the Office on academic collaboration specifically on student exchange program with the University of Malaya (UM), Malaysia particularly in the School of Computer Studies (SCS) and the College of Science and Mathematics (CSM) with its UM counterparts – the Faculty of Computer Science Information and the Faculty of Science. Such endeavor is the result of OVCPD's visit to the different universities in Singapore and Malaysia from February 28 to March 6, 2016.

In the 8th UTM University Presidents Forum 2016 and the launching of the ATU-Net at the Universiti Teknologi Malaysia, Johor Bahru, Malaysia last August 8-10, 2016, MSU-IIT was invited and selected as the only school in the Philippines to be a member of the Asia Technological Universities Network (ATU-Net), an academic collaboration of 20 different membered universities in Asia.

Policy Development, Review and Updating

Added to his organic functions as the Vice Chancellor for Planning and Development, Dr. Feliciano B. Alagao spearheaded the following activities undertaken during the year:

- As chair of the Technical Working Group (TWG), the team reviews and rationalizes the Delineation of Authority Matrices and its Organizational Structure used by the Institute. With the recent administrative, academic and semi-academic growths and developments in the Institute, the TWG has already laid down its recommendations and crafted the Institute Organizational Structure proposal.



VCPA Alagao during the 8th UTM University Presidents Forum 2016 and the launching of the ATU-Net at the Universiti Teknologi Malaysia, Johor Bahru, Malaysia

Documents are for final review before endorsing them to the Executive Committee (EXECOM) and to the Board of Regents (BOR).

- In compliance with the provisions under Civil Service Commission (CSC) MC. No. 6, s. 2012 and as chair of the Performance Management Team (PMT), the Strategic Performance and Management System (SPMS) of the Institute is in place. However, there was a recommendation to update and review its commitment for 2016. With the reconstitution of the Institute's PMT and its Technical Working Committees (TWCs), a refined and updated Institute Office Performance Commitment and Review (OPCR) 2016 is laid down. Moreover, the OPCR-2016 for the academic and non-academic offices and the Individual Performance Commitment and Review (IPCR) for faculty and staff are synchronized, aligned and harmonized based on the 2016 Major Final Outputs (MFOs), Organizational Outcomes (OOs) and Performance Indicators (PIs) and submitted to the Department of Budget and Management (DBM). Hence, the Institute targets and commitments were revisited.
- To oversee its compliance with the Performance-Based Bonus (PBB) Eligibility Requirements, Dr. Alagao and Mr. Richard M. Micubo attended an Orientation on the Guidelines on the Grant of Performance-Based Bonus for FY 2016 in Pasig City on June 23, 2016. Initiated by the Institute, a letter of request sent last October 2016 to the DBM through the Executive Order 25 Inter-Agency Task Force for the validation of MSU-IIT as a separate Institute from the MSU-System.
- With Special Order No. 00713 Series of 2016, the constitution of the Ad hoc committee for the Program on Awards and Incentives for Service Excellence (PRAISE) together with the PRAISE-Administrative was approved by the BOR. Among the 12 personnel who received citations and cash awards during the PRAISE Awards Night on December 21, 2016 was the Information System Researcher I of OVCPD, Ms. Bainorah I. Amate, as one of the Best Administrative Non-Teaching Employees of 2016.



MSU-IIT Year-End Assessment on WFPs held in Cagayan de Oro City

Establishment of Endowment Fund

With the approved BOR Resolution No. 20, Series of 2016, re, the establishment of MSU-IIT Endowment Fund (MIEF) and with Special Order No. 00932 Series of 2016, the creation of the MSU-IIT Endowment Funds Management Council (MIEFMC) was established. The said council is responsible in the formulation of the implementing rules and regulations of BOR approved policies, craft internal operational EF policies and guidelines, formulate and recommend necessary program/portfolio, and process endowment applicants.

- complied and submitted documents to Commission on Audit (COA),
- prepared the video presentation of the proposed Hinaplanon Campus Complex,
- prepared the video presentation of the PRISM Building Complex during its inauguration on December 2, 2016, and
- presented conceptual studies for the proposed College of Arts and Social Sciences (CASS) Annex Building.

Infrastructure Development Plan

Improving the Institute's research facilities and infrastructures strengthens the culture of research among its constituents. Within the year, the Office accomplished the following inspected project sites:

- on-going construction of the Premier Research Institute for Sciences and Mathematics (PRISM) and College of Engineering (COE) left-wing building,

These finished and on-going projects are assisted by retired structural engineer consultant Geronides P. Ancog who currently under contract of service to directly report to OVCPD and to provide technical advice on the feasibility and requirements of the infrastructure development in the Institute.

Professional Training and Development of Staff

On December 5, 2016, a year-end team building activity was conducted in Cagayan de Oro City which was participated by the college deans, school directors and heads of the Institute and Responsibility Centers to do assessment of the work and financial plans of every office.

Equally important is the participation of the office staff to various trainings, seminars, workshops and forums.

Extension Activity

Being a member of the Institute Community on Extension and Community Involvement (ICECI), the Office took initiative to convene the members of ICECI in coordination with the OVCPD-Department of Extension to sustain the "WE CARE" community extension program and lay down its plan for the 1st Extension Community Day on February 12, 2016. The Office has its assigned booth where it displayed Institute policies and reports as information campaign.

Office Promotion and Information Dissemination

"Impact Evaluation (IE) Orientation for IIT's Extension Services" on February 2016 Issue, "IIT Students in Environmental Youth Camp" on March 2016 Issue, and "OVCPD Conducts Series of ISO Workshops" were some Office articles published in the Gazette, the Institute's official publication and to the MSU-IIT web.



Attendance on Seminars and Trainings



Ms. Jackielyn D. Abreu, Ms. Bainorah I. Amate, and Ms. Arlene B. Gil

attended the Water Safety, Flood Survival and Rescue Orientation Seminar on September 19, 2016 conducted by the Sports Development Office and the National Alliance for Aquatic Safety and Disaster Preparedness Inc.



All OVCPD Staff (in a separate cluster)

attended the PRIME-HRM Accreditation Orientation on July 29, 2016 conducted by Human Resource Management Division and Civil Service Commission in MSU-IIT, Iligan City



Ms. Arlene B. Gil

attended the FY 2017 Budget Forum on February 11, 2016, DBM-NCR, Manila



Ms. Bainorah I. Amate

attended the 2nd Series of Trainings in Journalism for the Institute Writers on March 2-3, 2016, Workshop on and Overview of the Bridging Leadership Framework on February 25, 2016, and Journalism Training for the Institute Webpage and the Official Newsletter Gazette on January 23-27, 2016

Institutional Planning and Development Services Office

MA. CRISTINA L. DUYAGUIT, PhD
Acting Director

To ensure the formulation, implementation, monitoring and evaluation of development plans of the Institute and its units, the Institutional Planning and Development Services Office (IPDSO) is responsive to the demands of its stakeholders and the community.

On March 29, 2016, IPDSO Acting Director, Dr. Ma. Cristina L. Duyaguit attended the Cluster Consultation and Workshop on the Higher Education Roadmap and Budget Partnership Agreement Process in Cebu City.

In 2015, the Office successfully marshaled the following institutional planning and development activities:

- Impact Evaluation (IE) Orientation in the Institute Boardroom on February 24, 2016
- Mid-Year Assessment of Work and Financial Plans (WFPs) for 2016 and the Preparation of 2017 WFPs at the Mini-Theater, MSU-IIT, Iligan City on July 26-27, 2016
- Year-End Assessment of 2016 WFPs and Orientation-Workshop for 2018 WFPs Preparation at Stargate Dream Vacation Resort in Cagayan de Oro City on December 5-6, 2016

In compliance to statutory and regulatory reportorial services, the Office regularly checks and monitors DBM Quarterly Report, MSU System Annual Report, Agency Performance Report, PBB Requirement Report and Institute Annual Report.



Mid-Year Assessment of Work and Financial Plans (WFPs) for 2016 and the Preparation of 2017 WFPs at the Mini-Theater, MSU-IIT, Iligan City

MFOs and Pls for 2016

Particulars	Target	Actual	Remarks
MFO 1 - Higher Education Services			
Total Number of Graduates	2226	2148	
Percentage of Total Graduates that are in Priority Courses	90%	54%	The actual data is in compliance with the implementation of CMO 1 s. 2013.
Average passing percentage of licensure exams by the SUC graduates/national average percentage passing across all disciplines covered by the SUC	150%	151%	
Percentage of programs accredited at AACUP Level 1	3%	0%	
			The College of Business Administration and Accountancy did not push through with their application due to revision of the BS HRM curriculum. The College of Engineering has put more effort into their programs to be Washington Accord accredited.
Percentage of programs accredited at AACUP Level 2	9%	12%	
Percentage of programs accredited at AACUP Level 3	40%	40%	
Percentage of programs accredited as CHED-COE	26%	26%	
Percentage of programs accredited as CHED-COD	32%	32%	
Percentage of graduates who finished academic program according to the prescribed timeframe	8%	81%	
MFO 2 - Advanced Education Services			
Total Number of Graduates	146	168	
Percentage of graduates engaged in employment within 6 months of graduation	75%	89%	
Percentage of students who rate timeliness of education delivery/supervision as good or better	90%	95%	Survey is done every semester
MFO 3 - Research Services			
Number of Research Studies Completed	124	180	
Percentage of research projects completed in the last 3 years	80%	87%	
Percentage of research outputs presented in local, regional, national or international fora	90%	97%	

MFOs and Pls for 2016

Percentage of research outputs published in a recognized journal or submitted for patenting or patented	90%	37%	The actual data is in compliance with the strict implementation of the guidelines on predatory journals.
Percentage of research projects completed within the original project timeframe	85%	86%	
FO 4 - Extension Services			
Number of persons trained weighted by the length of training	20,000	9,575	The 20,000 target was due to a different interpretation of the PI.
Number of persons provided with technical advice	41,000	7,487	The 41,000 target was due to a different interpretation of the PI.
Percentage of trainees who rate the training course as good or better	95%	95%	
Percentage of clients who rate the advisory services as good or better	95%	95%	
Percentage of requests for training responded to within 3 days of request	90%	90%	
Percentage of requests for technical advice that are responded to within 3 days	90%	90%	
Percentage of persons who receive training or advisory services who rate timeliness of services delivery as good or better	90%	90%	

Quality Assurance Management Services Office

EMELYN R. MORDENO, MASP
Acting Director

The establishment of the Quality Assurance Management Services Office (QuAMSO) is one of the strategic priorities of the Institute to showcase an effective, transparent, and participative governance and management as constituted by virtue of BOR No. 23, S. 2015 but its full operation starts in 2016.

As mandated, QuAMSO acts as central coordinating office for all quality assurance endeavors of all academic, semi-academic and administrative units of the Institute to ensure the establishment of Quality Management System (QMS) through developing and updating the internal policies and guidelines, quality manual, procedures and work instructions manual.

In lieu of the Institute's objective of becoming ISO Certified, QuAMSO fronted the ISO 9001:2015 Certification process of the Institute. After the creation of the Institute Quality Assurance Board (IQAB) and the MSU-IIT Government Quality Management System (GQMS) Task Force, a Core Group through an order (SO No. 00232 S. 2016) is created and expected to provide technical support and manpower for the implementation of ISO Certification. Ms. Helen Alian-Evalle, the General Manager of the HAE Consultancy and Training Services serves as the Institute's consultant.

The Office conducted the following QMS Activities:

- ISO Launching Activity on April 11, 2016 at the Institute Gymnasium which was attended by the faculty and staff of the Institute
- ISO 9001:2015 Awareness Seminar on April 11, 2016 (1st Group) and April 12, 2016 (2nd Group) at Elena Tower Inn, Iligan City which commenced with a Roll-out Planning Meeting
- Core Group Open Discussion on ISO Certification on July 18, 2016 at the CED Amphitheater with Mr. Kevin Castillon from AJA Registrars Philippines;
- Series of ISO Workshop Activity and Policy Objective Workshop from August 16-September 13, 2016. This was geared towards enhancing the preparedness of the institute and basically reviewed all the important elements of the institute as an organization, an assessment of organizational threats and opportunities, re-assessment of roles and functions, identification of competencies, and a review on the organization's processes and lines of communication
- Management Meeting to present the Quality Policy and Quality Objectives of the different units of the Institute on November 24-25, 2016 at the COE Amphitheater, MSU-IIT, Iligan City
- An Organizational Process Training-Workshop for the OVCPD Personnel on December 1-2, 2016 at Ultra Winds, Cagayan de Oro City.

As a liaison office of the accreditation and certification bodies of the Institute, QuAMSO has rendered administrative assistance to the Institute's attendees to the following training- workshops. These activities were organized by the Accrediting Agency of Chartered Colleges and Universities in the Philippines (AACCUP), Inc.

- Training-Workshop on Survey Team Leadership and Outcomes-Based Evaluation Advanced Accredited Programs (Level III and Level IV) on June 8-11, 2016 in Cagayan de Oro City
- Training-workshop on Survey Team Leadership and Outcomes-Based Evaluation Advanced Accredited Programs (Level III and Level IV) on June 8-11, 2016 at De Luxe Hotel, Cagayan de oro City
- Mid-year conference of accreditors on July 27-29, 2016 at the Royal Garden Hall Convention Center, Iloilo City
- Training-Workshop of Internal Quality Assurance on September 21-23, 2016 at the Alumni Hall, Philippine Normal University, Taft Avenue, Manila
- Training-Workshop of Internal Quality Assurance on September 5-7, 2016 at the Alumni Hall, Philippine Normal University, Taft Avenue, Manila



QuAMSO Acting Director Mordeno conducted the Management Meeting to present the Quality Policy and Quality Objectives of the different units of the Institute on November 24-25, 2016 at the COE Amphitheater, MSU-IIT, Iligan City



QuAMSO Acting Director, Prof. Emelyn R. Mordeno

The QuAMSO Acting Director, Prof. Emelyn R. Mordeno attended the IRCA-Approved ISO 9001:2015 Lead Auditor Course at the Marco Polo Plaza, Cebu on July 11-15, 2016. This is an internationally-recognized course/training that assesses conformity with the ISO standard. Also, to assist her, Ms. Bainorah I. Amate and Ms. Jackielyn D. Abreu were sent to a Quality Management System (QMS) seminar-workshop organized by AJA Registrars on August 30-31, 2016 in Cebu City: ISO 9001:2015 The Next Generation of Quality Management Systems. This strengthens the competencies and skills of these staff needed to help manage ISO 9001:2015 Quality Management Systems.

What has been done in 2016 was only an initial step to educate, prepare, and involve everyone in the Institute on how to deliver quality outputs. By 2017, all constituent will actively engage in the process to achieve the Institute's objective to be an ISO 9001:2015 Certified by 2018.

Office of International Affairs

ESMAR N. SEDURIFA, MScEd
Acting Director

- Coordinated with and monitored the 2nd ASEAN Council of Physical Education and Sport (ACPES) International Conference last September 2016
- Coordinated, monitored, and evaluated the exchange programs of the Institute

Several faculty and student exchange programs conducted in MSU-IIT have been monitored by the OIA. For example, the College of Education's (CED) Department of Physical Education (DPE) coordinated with the office regarding five (5) international exchange students from the Universitas Negeri Semarang (UNNES), Indonesia who stayed in the Institute from September – November 2016. Two (2) more from the same school are currently undergoing the exchange program which is scheduled to end on January 2017. The College of Science and Mathematics (CSM) also coordinated with the OIA regarding two (2) of their foreign professors.

The Office of International Affairs (OIA) stands as the central coordinating body of the Institute's international engagements and activities with the goal of helping the MSU-IIT be known in the international arena.

As of year 2016, OIA has conducted the following activities:

- Undergone Organizational Development (OD) for the finalization of Office policies and guidelines
- Conducted the "Orientation: DFA and BI Policies and Guidelines for International Activities and Engagements" with speakers from the Department of Foreign Affairs (DFA) and the Bureau of Immigrations (BI)

OIA closely coordinates with the Office of Admissions and Scholarship Administration (OASA) regarding student admission as well as the processing of the international guests' visas.

In the future, OIA plans to increase its efforts by being involved in the international engagements of other colleges and responsibility centers that are independently hosting their international guests.



(L-R): DFA Guest Speaker with VCPD Alagao and OIA Acting Director Sedurifa during the Orientation on DFA and BI Policies and Guidelines for International Activities and Engagements" with speakers from the Department of Foreign Affairs (DFA) and the Bureau of Immigrations (BI)

GRADUATE ACADEMIC DEGREE PROGRAMS

Doctor of Engineering (Mechanical Engineering)
 Doctor of Engineering (Material Science and Engineering)
 Doctor of Philosophy in Language Studies
 Doctor of Philosophy in Filipino
 Doctor of Philosophy in Science Education
 Doctor in Sustainable Development Studies
 Doctor of Philosophy in Biology
 Doctor of Philosophy in Chemistry
 Doctor of Philosophy in Mathematics
 Doctor of Philosophy in Physics

Master of Science in Civil Engineering
 Master in Information Technology
 Master of Science in Computer Applications
 Master of Science in Computer Science
 Master of Science in Information Technology
 Master of Science in Electrical Engineering
 Master of Arts in English Language Studies
 Master of Arts in Filipino
 Master in History
 Master of Science Education (Guidance and Counseling)
 Master in Education Major in Reading
 Master in Business Management
 Master of Science in Materials Science and Engineering
 Master of Science in Physical Education
 Master in Public Administration
 Master of Science Education
 Master in Sustainable Development Studies
 Master of Arts in Sociology
 Master of Science in Biology
 Master of Science in Environmental Science
 Master of Science in Marine Biology
 Master of Science in Chemistry
 Master of Applied Statistics
 Master of Mathematics
 Master of Science in Mathematics
 Master of Science in Statistics
 Master of Physics
 Master of Science in Physics
 Master of Culture and Arts Studies

UNDERGRADUATE ACADEMIC DEGREE PROGRAMS

COLLEGE OF ARTS AND SOCIAL SCIENCES (CASS)

Bachelor of Arts in:

English	Filipino
History	Sociology
Political Science	

Bachelor of Science in Psychology

2-year General Education

COLLEGE OF BUSINESS ADMINISTRATION AND ACCOUNTANCY (CBAA)

Bachelor of Science in Accountancy

Bachelor of Science in Business Administration in:

Business Economics
Entrepreneurial Marketing

Bachelor of Science in Hotel
and Restaurant Management

COLLEGE OF EDUCATION (CED)

Bachelor in Elementary Education Major in:

English
Science and Health

Bachelor in Secondary Education Major in:

Biology	Mathematics
Physics	Chemistry
General Science	

Technology and Livelihood Education
 Music, Arts, Physical Education and Health

Bachelor of Teacher Technology Education Major in:

Drafting Technology
Industrial Technology

COLLEGE OF SCIENCE AND MATHEMATICS (CSM)

Bachelor of Science in:

Chemistry	Physics
Statistics	Mathematics

Bachelor of Science in Biology Major in:

Botany	General Biology
Marine Biology	Zoology

COLLEGE OF NURSING (CON)

Bachelor of Science in Nursing

COLLEGE OF ENGINEERING AND TECHNOLOGY (COE&T)

Bachelor of Science in:

Ceramics Engineering
Civil Engineering
Chemical Engineering
Mechanical Engineering
Computer Engineering
Metallurgical Engineering
Electrical Engineering
Mining Engineering
Electronics Engineering
Environmental Engineering Technology
Electronics and Communications Engineering

(3-year) Diploma in Chemical Engineering Technology

Bachelor of Science in:

Engineering Technology Management
Industrial Automation and Mechatronics

(3-year) Diploma in:

Automotive Engineering Technology
Civil Engineering Technology
Electrical Engineering Technology
Heating, Ventilating, Air Conditioning and
Refrigeration Engineering Technology
Industrial Automation and Control Engineering
Technology
Materials Science Engineering Technology
Mechanical Engineering Technology

(2-year) Diploma in Industrial Automation and
Maintenance Technology

SCHOOL OF COMPUTER STUDIES (SCS)

Bachelor of Science in:

Computer Science
Information Technology
Information Systems
Electronics and Computer Technology (Ladderized)
(3-year) Diploma in Electronics and Communications
Engineering Technology (Ladderized)
(2-year) Diploma in Electronics Technology (Ladderized)

THE MSU SYSTEM BOARD OF REGENTS EX-OFFICIO MEMBERS

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(Represented by Director Ruby R. Esteban)

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Oceanography

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HON. DATUMANONG A. SARANGANI

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Secretary of the University and the Board of Regents

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Chancellor

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Acting Vice Chancellor
for Academic Affairs (OVCAA)

Jinky B. Bornaes, PhD
Acting Vice Chancellor
for Research and Extension (OVCRE)

David N. Almarez, DM
Acting Vice Chancellor for Administration and
Finance (OVCAF)

Feliciano B. Alagao, PhD
Acting Vice Chancellor for Planning and
Development (OVCPD)

Jamail A. Kamlian, PhD
Chief of Staff and Acting Campus Secretary

Jerson N. Orejudos, PhD
Acting Institute Registrar

The University Council

The University Council is composed of the President of the University and all the faculty members holding the ranks of Professor, Associate Professor, and Assistant Professor. The Council alone shall have the power to recommend students or other individuals recognized for excellence to be recipients of degrees.

HEADS OF THE INSTITUTE ACADEMIC UNITS

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Acting Dean

Nieva M. Manulat, MSEE
Secretary

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Graduate Coordinator
Arts and Social Sciences

Ruben L. Abucayon, PhD
Graduate Coordinator
Education

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Sustainable Development Studies

Pamela F. Resurrection, PhD
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Business Administration and Accountancy

Orvin E. Llantos, MSCA
Graduate Coordinator
Computer Studies

Steven Patrick C. Fernandez, DFA
Graduate Coordinator
Culture and Arts Studies Program

College of Arts and Social Sciences

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IDS Related Subjects Department

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