



# ABOUT IC RESEARCH UNIT

As the University intends to be a vibrant research university in the ASEAN region, the Institute of Computing – Research Unit has also shared the same goal by strongly building its reputation as a home of academicians and scientists, honing a culture of producing research outputs that are responsive to the national and regional development thrusts and the communities it serves.

This unit shall provide enabling strategies, enhanced research policies, and exposure to various platforms to increase research engagement, impact, and visibility. The Institute of Computing also aims to promote dynamic and sustainable participation of USEP stakeholders in research in the field of Information Technology and Computer Science.



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# RESEARCH



## INSTITUTE OF COMPUTING – SPECIAL RESEARCH INTEREST GROUP

The SRIGs will be established and administered based on the need of society vis-à-vis the current pool of experts in the Institute of Computing and are expected to produce research study areas aligned with the RDE agenda of UseP. In this program initiative, the following are identified SRIGs:

- Environmental Computing
- Systems and Informatics
- Internet of Things

Aside from the RDE Research Agenda, the SRIG will serve as guide for IC's agenda to both **undergraduate and graduate students' researches**.



## THESIS AND CAPSTONE PROJECT MANUAL

The purpose of this manual is to serve as a guide to students and faculty advisers in the conduct of **undergraduate and graduate thesis and capstone project**. The guidelines stipulated in this document are intended to establish uniformity and consistency on the format and structure of the thesis and capstone project of the Institute of Computing—aligned to the university guidelines set by the Research, Development and Extension office, as well as the policies indicated in the promulgated memorandum CHED Memo no. 25 series of 2015.



## INTERNALLY-FUNDED RESEARCHES OF IC FACULTY

**100% faculty engagement** of IC during the 2017 Uniwide Research, Development and Extension Call for Research Proposals at Grand Men Seng Hotel, Davao City. Out of 7 research papers submitted, 4 research papers are funded by the University.

**10 On-going Researches, 10 Completed Researches**



## THE EYE-SEE JOURNAL

The Institute of Computing (IC) Journal is a research journal encompassing the branches of Information Technology such as Programming, Web-based and Mobile Programming, Networking, Image Processing and the like. This journal, published twice a year, is a collection of researches conducted by the **faculty and students** of the University of Southeastern Philippines – Institute of Computing (UseP-IC).



## EXTERNALLY-FUNDED RESEARCHES OF IC FACULTY

**Dr. Val Quimno** with his team successfully presented their progress report on the research entitled, “Synergize Academe-Industry Research Undertaking to Improve Productivity through Development of Banana Disease Surveillance System”. This is an on-going research with DOST-PCAARD as the funding agency.

**2 Completed Researches, 1 On-going Research, 4 Research Submitted for Funding**



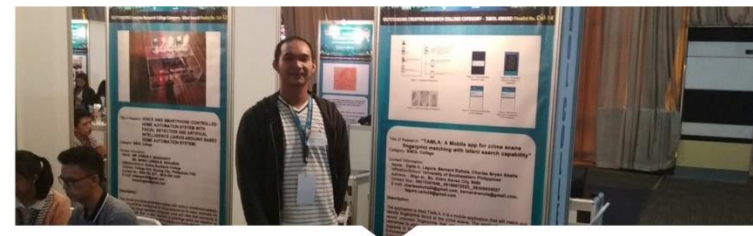
## FACULTY, NON-TEACHING STAFF, AND STUDENT INVOLVEMENT IN RESEARCH

**Eugene Cortes** (3rd year student), **Josephine Magada** (Non-teaching staff), **Hermoso Tupas Jr.** (Faculty), **Warren Rezane** (3rd year student), **Franch Maverick Lorilla** (Faculty), during the RDE Proposal Development last October 25-26, 2018 held at Eagle's Ridge, Ulas, Davao City.

The Institute of Computing is committed to engage its students, non-teaching staff and most especially the faculty in the research ecosystem. The picture above is the team who successfully drafted **two (2) research outputs** during the RDE Project Proposal Development last October 25-26, 2018.

## OUTSTANDING STUDENT RESEARCH OUTPUT

**Mr. Carlo Lagura**, MIT student from IC, presented their project entitled, “TAMLA: A Mobile Application for Crime Scene Fingerprint Matching with Latent Search Capability”, which is a result of their research endeavor in the Institute of Computing. Their study is **one of the Mindanao finalists during the 2018 National Invention Contest and Exhibits** conducted by DOST – TAPI. The team is comprised of Mr. Bernard Rañola (MIT student from IC), Mr. Charles Bryan Abella, and Dr. Randy Gamboa as their mentor.



## OUTSTANDING FACULTY RESEARCH OUTPUT

**Mr. Ariel Roy Reyes**, was awarded as the Best Oral Presenter during the 2018 International Conference on Information Technology and Science held at Bangkok, Thailand last June 2018. His research is entitled “Blowfish-128: A Modified Blowfish Algorithm that Supports 128-bit Block Size (S027)”.

During the 31st Uniwide RDE Symposium held last July 19, 2018, **Dr. Val Quimno** with this research entitled, “Enhancing Public Service Delivery through Information Systems- The Case of EEB II Program” was also awarded as **one of the Best Papers**.