



"For Nation's Greater Heights"

SSCT

**PROGRAM
PERFORMANCE
PROFILE**

**BACHELOR OF
SCIENCE IN ELECTRICAL
ENGINEERING
LEVEL II**

**AREA V
RESEARCH**

AREA V – RESEARCH

PARAMETER A – PRIORITIES AND RELEVANCE

1. SYSTEM – INPUTS AND PROCESSES

- The school has an approved Research Agenda.
- The Research Agenda is in accordance to the DOST’s harmonized research and development programs.
- The school has an approved organizational structure for its research programs.
- The duly approved Research Manual is presented and published online.

2. IMPLEMENTATION

- **The Institution’s Research Program/Agenda for the program under survey.**

Program/ Title	Specific Gov’t Agenda Parallel to the Program	Objectives	Specific Research Project / Activities	Research er/s	Specialization	Timeframe	Research Cost	Funding Source
1. Rice Field Health Monitoring System using Drone with AI Interface				Robert Bacarro, Vrian Jay Ylaya, Aurea Madelo, Ingrid Escabal, Darwin Mangca, Jerry Teleron, Vicente Delante	Instrumentation and control			Institution
2. Development of Frammer/Deframer for 5Gbps JESD204B Soft IP		Modify and redesign the JESD204B Full System of Lattice Semiconductor, particularly the TX deframer and RX framer modules used for the 3Gbps JESD204B soft IP to support the recently released 5Gbps JESD204B Soft IP.		Ingrid B. Escabal, Edzel G. Raffiña, Jefferson A. Hora3	RTL design and verification, FPGA and ASIC chips, analog and digital IC design, and IoT.			

<p>2. Agro-forestry, Fisheries, Food Production, Safety and Security Program Detection on Building Delamination Using Electromagnetic Wave Radar</p>		<p>1. Design efficient and cost-effective antenna for the system 2. Design signal processing for the system 3. Design Graphical User Interface 4. Conduct experimental analysis of the infrared thermography analysis 5. conduct experimental analysis of the electromagnetic wave radar system 6. Design complete portable and economical package for the sensor</p>		<p>Vrian Jay V. Ylaya, Virnie P. Portugueses, Aldrich B. Calinawan, Ingrid Escobal, Ghandi Galila, Arvin Magusara</p>	<p>Instrumentation for Building Protection</p>		<p>P 682,500,000</p>	<p>Institution</p>
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Resolution No. 53 S. 2020

Approving the Following Research Proposals Subject for the Submission of the Same to CHED:

- Assessment of Surigaonon Practices Towards Cultural Tourism City Campus (PhP14,500.00)
- Detection on Building Delamination Using Electromagnetic Wave Radar-City Campus (PhP682,500.00)
- Assessment of Mangrove Forest and its Services in Barangay Nabago, Surigao City (PhP186, 390.00)
- Gaps in 21st century literacies among Mamanwa learners, their parents teachers: A needs assessment study , City Campus (29,240.00)
- Flexible Learning Modalities and the Language Teaching and Learning in the "New Normal" - City Campus (75,812.00)
- Structural and Electronic Properties Calculation of Pristine and Alkali Metal (Na,Li, K)-doped Polypyrrrole using Density Functional Theory – City Campus (78,800.00)
- Growth Performance and Feed Utilization of Mud Crab Fed with Locally Available Organic Acid Source Diets – Del Carmen Campus (209,865.00)
- Pioneering Microclass Innovative Pedagogy with Integration of Flexible Learning in Delivering Instruction in the New Normal- Mainit Campus (PhP2,805.00)
- Varietal Performance of Sweet Potato (Ipomoea Batatas L.) Varieties toFertilization Strategies as Intercrop in Different Hedgerows in Sloping Agricultural Land Technology of SSCT-Mainit Campus (PhP35,640.00)

- An Ethnobotanical Survey and Assessment of Wild Yam Species in the Province of Surigao Del Norte-Mainit Campus (PhP57,475.00)
- Livelihood Status and Lifestyle Practices of the Abalone Gatherersin the Municipality of Malimono- Malimono Campus (PhP17,000.00)
- Distribution and Abundance of Abalone, Haliotes sp. In Coastal Waters of Malimono, Surigao del Norte- Malimono Campus (PhP28,900.00)
- Acceptability and Profitability of Abalongganisa- Malimono Campus PhP55,925.00)
- Growth and Carcass Quality of Native Chicken Supplemented with Wild Yam Tuber Meal-Mainit Campus (PhP10,230.00)
- Effect of Growth and Profitability Indices of Giant Swamp Taro (Cyrto sperma merkusii) Meal as Energy Sources in Native Chicken Diets under Conventional System-Mainit Campus (PhP92,806.90)
- Development of Geographical Mapping and Tracking System

APPROVED

Certified true and correct:


ROWENA A. PLANDO, PhD
Board Secretary V

Attested:


GREGORIO Z. GAMBÁ, JR. EdD
Vice Chair, SSCT-BOT
College President

COMPLETED RESEARCHES PRESENTED AND PUBLISHED 2016 - 2022				
RESEARCH TITLE	Authors	01/03/00		
		DURATION		
		On Going	Started	Completed
		Completed	(mm/dd/yyyy)	(mm/dd/yyyy)
2022				
2022 CITY CAMPUS (COLLEGE OF ENGINEERING AND INFORMATON TECHNOLOGY)				
1	The Design And Implementation of RFID-Based Daily Time Record with Central Alarm System for the Constituents and LGU of Sison	Jerry I. Teleron, Lucilyn C. Borja, Levi A. Covera, Gracechell M. Pascua, Ghana	On Going	03/01/22 05/01/22
2	Influence of the Quantity of Aggregates in Surigao del Norte on the Compressive Strengths of Concrete	Federico A. Aves, Jr, Virne Portugues, Rosanne Andaluz, Richard Badiola	On Going	03/01/22 10/01/22
3	SubayVax: An Online Vaccination Platform for Local Government Units	Ritchie A. Reyna, Jovie M. Gallera, Antonio Jr. L. Piloton, Darwin C. Manga, Perfecto R. Ruaya, Jr., Arvin S. Salvador, Alma Christie C. Reyna, Ghandi B. ROBERT Bacarro, Vrhian Jay Naya, Aurea Madeto, Ingrid Escobar, Darwin	On Going	03/01/22 07/01/22
4	Rice Field Health Monitoring System using Drone with AI Interface	Mangga, Jerry Teleron, Vicente Delante	On Going	03/01/22 08/01/22
5	Geospatial Assessment of Technology and Business Skills Needs for Farmers, Fisherfolks, and Micro, Small and Medium Entrepreneurs in Selected Villages of Surigao City	Monalee A. dela Cerna	On Going	03/01/22 03/01/23

- The school has crafted research agenda in consonance with the national research priorities by engaging consultative meetings with the concerned government agencies.
- The stakeholders are enthusiastic in participating and supporting the research agenda of the school as may be reflected by the pictorials.

3. OUTCOMES

- Attached are documents that shows priority researches are identified, conducted and the results are published.

4. BEST PACTICES

- The school makes it a point to include the stakeholders in crafting policies and agenda governing research activities.
- The school is keen on establishing a high level of research culture across all campuses.

PARAMETER B – FUNDING AND OTHER RESOURCES

1. SYSTEM – INPUTS AND PROCESSES

- Attached are the documents showing the school’s propose and approved budget for research

2. IMPLEMENTATION

- Actual expenditures for research of the Academic Unit in the Last 3-5 years

Expenditure Item	CY:2017-18	CY:2018-19	CY:2019-20
1. Researcher’s Incentives			
2. Supplies and Materials			
3. Travel and Fuel			
4. Capability Building			
5. Acquisition of Equipment			
6. Repair of Facilities			
7. Communication/ Dissemination			
8. Others			
TOTAL	P 4,614,922	P 5,430,080	P 5,430,080

SURIGAO STATE COLLEGE OF TECHNOLOGY							
Surigao City							
RESEARCH AND DEVELOPMENT BUDGET (GAA)							
CY 2022							
CAMPUS	Enrolment	% of Enrolment per Campus	Budget per campus	% of Enrolment per College	Budget per college	% of Enrolment per Program	Budget per program
SURIGAO CITY		70	4,351,900				
CEIT				25	1,087,975.00		1,087,975.00
BACHELOR OF SCIENCE IN CIVIL ENGINEERING	403					24	261,114.00
BACHELOR OF SCIENCE IN ELECTRONICS ENGINEERING	97					6	65,278.50
BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING	198					12	130,557.00
BACHELOR OF SCIENCE IN COMPUTER ENGINEERING	138					8	87,038.00
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY	385					22	239,354.50
BACHELOR OF SCIENCE IN COMPUTER SCIENCE	135					8	87,038.00
BACHELOR OF SCIENCE IN INFORMATION SYSTEMS	344					20	217,595.00
TOTAL	1700						
COT				33	1,436,127.00		1,436,127.00
BACHELOR OF SCIENCE IN HOSPITALITY MANAGEMENT	386					17	244,141.59
BACHELOR OF SCIENCE IN TOURISM MANAGEMENT	178					8	114,890.16
ENGINEERING TECHNOLOGY						38	545,728.26
BAET	181						
BARET	88						
BEXET	142						
BEET	254						
BMET	161						
BWAF	29						
BRAC	32						
SUBTOTAL	887						
BS INDUSTRIAL TECHNOLOGY	871					37	531,366.99
TOTAL CEIT	2322						
CTE				23	1,000,937.00		1,000,937.00
BACHELOR OF TECHNICAL VOCATIONAL TEACHER EDUCATION	199					13	130,121.81
BACHELOR OF SECONDARY EDUCATION	749					48	480,449.76
BACHELOR OF ELEMENTARY EDUCATION	498					32	320,299.84
BACHELOR OF PHYSICAL EDUCATION	114					7	70,065.59
TOTAL CTE	1560						
CAS				10	435,190.00		435,190.00
BACHELOR OF ARTS IN ENGLISH LANGUAGE	198					30	130,557.00
BACHELOR OF SCIENCE IN MATHEMATICS	127					19	82,686.10
BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE	344					51	221,946.90
TOTAL CAS	669						
TOTAL DEGREE COURSES	6251						
GRADUATE SCHOOL				9	391,671.00		391,671.00
PhD	27					5	19583.55
MIE	72					12	47000.52
MIT	11					2	7833.42
MAMathEd	45					8	31333.68
MAEd	437					73	285919.83
TOTAL GRADUATE SCHOOL	592						
TOTAL (Surigao City)	6843				4,351,900.00		4,351,900.00
DEL CARMEN		13	808,210.00				808,210.00
BACHELOR OF SCIENCE IN INDUSTRIAL TECHNOLOGY	217					18	145,477.80
BACHELOR OF SECONDARY EDUCATION	116					9	72,738.90
BACHELOR OF TECHNICAL-VOCATIONAL TEACHER EDUCATION	84					7	56,574.70
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY	293					23	185,888.30
BACHELOR OF SCIENCE IN FISHERIES	59					5	40,410.50
BACHELOR IN AGRICULTURAL TECHNOLOGY	130					10	80,821.00
TOTAL COLLEGE ENROLMENT	899						
JHS	184					15	121,231.50
SHS	156					13	105,067.30
TOTAL (Del Carmen)	1239						
MALIMONO CAMPUS		7	435,190.00				435,190.00
BACHELOR OF SCIENCE IN MARINE BIOLOGY	204					32	139,260.80
BACHELOR OF SCIENCE IN FISHERIES	130					21	91,389.90
BACHELOR OF ELEMENTARY EDUCATION	82					13	56,574.70
BACHELOR IN SECONDARY EDUCATION	194					31	134,908.90
TOTAL COLLEGE ENROLMENT	610						
JUNIOR HIGH SCHOOL	22					3	13,055.70
TOTAL (Malimono)	632						
MAINIT CAMPUS		10	621,700.00				621,700.00
BACHELOR IN AGRICULTURAL TECHNOLOGY	493					51	317,067.00
BACHELOR OF TECHNOLOGY and LIVELIHOOD EDUCATION	167					18	111,906.00
BACHELOR OF SCIENCE IN AGROFORESTRY	298					31	192,727.00
TOTAL (Mainit)	958						
GRAND TOTAL (SSCT 4 Campuses)	9672						
RESEARCH BUDGET	6,217,000		6,217,000.00				6,217,000.00

➤ Research Personnel and Other Support Services

Research Personnel	Educational Qualification	Designation (Specialist, Statistician, etc.)	Function/s
1. Dr. Mauricio S. Adlaon	PhD	BS in Industrial Electronics BS in Secondary Education MA Master of Biology Doctor of	

		Philosophy PBET, CSC Sub-Prof	
2. Mr. Ruel T. Buba	PhEdD	Mathematics	
3. Virgilio B. Ratunil	MS Aquaculture	Aquaculture	
4. Ellen Divinagracia-Detalo	Master in Public Administration	Research Coordinator	
5. Josue F. Arana		VP-Admin and RDE Staff	
6. Mervona Piosang		Research Staff	
7. Jaztin R. Villamor		Extension Staff	
Etc.			

3. OUTCOMES

- The consolidated FY 2015, 2016, 2017, 2018 Proposed Budget documents show that the school is allocating funds for research program.

4. BEST PRACTICES

- The school gives priority to research
- Annual research in-house review is conducted
- Research capability seminars and training are conducted

PARAMETER C – IMPLEMENTATION, MONITORING, EVALUATION AND UTILIZATION of RESEARCH RESULTS/OUTPUTS

1. SYSTEM – INPUTS AND PROCESSES

- The schools has an approved Intellectual Property Rights Manual.
- A copy of the portion of the school's IPR manual is provided.

2. IMPLEMENTATION

- There is an annual RDE call for research proposals
- The educational qualifications of the research staff are presented.

Head	Name	Educational Qualification	Specialization	No. of years of R&D Experience
1. Institution's R&D Head	Dr. Mauricio S. Adlaon	BS in Industrial Electronics BS in Secondary Education MA Master of Biology Doctor of Philosophy PBET, CSC Sub-Prof	Electronics and Biology	2 years
2. Academic Unit's R&D Head	Mr. Ruel T. Buba	MAEd	Mathematics	9 years

3. Head of specialized Research Centers	Ellen Divinagracia-Detalo	Master in Public Administration	Public Administration and management	15 years
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- The College Code provides honorarium for any employees engaging in research work.
- The Faculty Manual provides at most one day free of teaching load for faculty members undertaking research tasks.

Types of Incentives	Brief Description and Legal Basis
1. Course deloading	College Code and Faculty Manual
2. Reseach Publication Incentive	College Code

- Completed researches are shown in the attached documents
- The documents for the payment of Research Publication Incentive to qualified researchers are attached.
- As per Expenditure Program FY 2017, the school has 65 completed researches.

Research Title	Time Frame	Journal Accreditation	Researcher/s
1.A DATA MINING-DRIVEN MODEL FOR JOB SATISFACTION OF SCHOOL ADMINISTRATORS IN DEPED SURIGAO DEL NORTE DIVISION	6 months	Scopus	Dr. Ronita E. Talingting
2.THE USE OF EDUCATIONAL DATA MINING TECHNIQUE IN TECHNOLOGY ASSIMILATION EVALUATION: A RESPONSE ASSESSMENT	6 months	Scopus	Dr. Marilou B. Carnicer
CLUSTERING SCHOLARSHIP PROGRAMS USING EDUCATIONAL DATA MINING TECHNIQUES	6 months	Scopus	Dr. Gregorio Jr Z. Gamboa
CRIME TREND ANALYSIS USING DATA MINING TECHNIQUE	6 months	Scopus	Dr. Elvis P. Patulin
MULTIPLE INTELLIGENCES AND READING COMPREHENSION OF SENIOR HIGH SCHOOL STUDENTS: A	6 months	Scopus	Dr. Nenita S. Bout

RESPONSE EVALUATION THROUGH EDUCATIONAL DATA MINING TECHNIQUE			
IMPROVED DESIGN OF BINARY FULL ADDER	6 months	Scopus	Dr. Vrian Jay V. Ylaya

➤ State all Student Researches

Research Title	Time Frame	Date of Completion	Researcher/s	Faculty Advisers
1. HYDRAULIC ANALYSIS FOR THE OPERATION OF WATER MILL FOR RICE FIELD IRRIGATION	2 semesters	March 2019	Jermalyn Dacuron, Khea Ylaizah Ecleo, Queenie Jumandos	Engr. Archie C. Gegona

➤ Name all opportunities for Research Capability Building

Type of Activity (e.g., advanced studies, upgrading, retooling, etc.)	Title of Training	Sponsoring Agency	Date and Venue	No. of Trained Faculty/Staff
1. Retooling	PCCARD-SERDAC Seminar Series on Economic Researches in Agriculture, Aquatic and Natural Resources	DOST	November 22, 2019 Davao City	
2. Upgrading/Retooling	Establishment of Techno-demo on Organically Grown Vegetable	CHED	October 2, 2019 Surigao City	
3. Retooling	Fundamentals of Video Presentation	SSCT	November 18, 2019 Surigao City	

4. Retooling	Capability Building in Research Proposal of the Bachelor of Agricultural Technology	SSCT		15
5. Retooling	Research ‘Mentor-Me’ Seminar-Workshop	SSCT	November 10,17,14, 2019 December 1,7,14, 2019	
6. Retooling	Writeshop on Presentation of Outputs	SSCT	October 28,29,30, 2019 Bukidnon	
7. Retooling	Seminar-Workshop on Research Capability Enhancement	SSCT	November 28,29, 2019 Surigao City	

- The research monitoring is done through College In-house Review. It is conducted annually and is designed to identify and resolve some issues and problems encountered in the implementation of researches.
- The school invests on researches that have social impact.

Title of research	Nature of Utilization	Brief Description
1. Vehicle/Cargo Truck Decontamination Bay	For anti-covid19 initiative of the school	A network of pipelines with pump that sprays disinfectant to all vehicles entering the campus
2. LGU DC Data Repository System	For data storage and Utilization	
3. Animal/Pets Health Monitoring and Information System	Support and implementation mechanism for the barangay	A health monitoring and information that is designed for simplicity and is suitable for LGU implementing animal welfare.

- The school sent faculty to intellectual property foundation course.
- The school has research outputs utilized by the industry or by other beneficiary.

RESEARCH PROGRAM

Outcome Indicator 1: Number of research outputs in the last 3 years utilized by the industry or by other beneficiary


- Note:**
1. List all researches completed in the last three years (FY 2018, 2019, 2020)
 2. List all research outputs in the last three (3) years utilized by the industry or by other beneficiary

Campus	Title of Research Program/Project/Study	Name of Researcher(s) Author	Project Status			Utilized by the Industry or other Beneficiaries					Supporting Documents
			Project Duration (no. of months)	Date Started (Mo. & Year)	Date Completed (Mo. & Year)	Name of Industry or other Beneficiaries	Nature	Indicate where the research was utilized	Inclusive dates of utilization	BOT Res Number of the MOA/MOU	
1 Mainit Campus	Growth and Germination of Purple Basil (<i>Ocimum basilicum</i> L.) Using Different Levels of Vermicast	Renerio Duallo	2mos	October 1, 2019	November 30, 2019	Farmers in Brgy. Jubgan, San Francisco, SDN	Utilized by the farmers in Brgy. Jubgan, San Francisco, SDN	Brgy. Jubgan, San Francisco, SDN	December 4-5, 2019		
2 Del Carmen Campus	LGU Del Carmen Data Repository System	Elwin S. Argana, Diorelle June E. Mantua, Darren L. Rafols	6mos	Jan 2020	July 2020	Human Resource Development of LGU Del Carmen	Utilized by the Office of the Human resource Management of LGU Del Carmen	LGU Del Carmen	August 1, 2020		
3 City Campus (CAS)	Predicting Waste Disposal Trends by Symbolic Regression Towards Sustainability in Surigao City, Philippines	Gheleene S. Buenafior, Dan Anthony U. Bataan	6mos	Aug 2018	Feb 2019	LGU – Barangay Taft, Surigao City	Production of IEC materials for awareness on solid waste management	LGU – Barangay Taft, Surigao City	Nov. 10, 2020		
4 City Campus (CTE)	Gaps in 21st century literacies of Mamanwa learners, their parents and teachers: A needs assessment study	Joewaren R. Sulima, Raymon P. Espanola, Lucille G. Tanguilan, Plimote M. Causing, Eleanor Mitsy S. Delto, Ma. Crisanta S. Vasquez, Iryn E. Cavite, Matt B. Sinaca, Clarissa B. Villacendo, Ailyn B. Caba, Princes Grace A. Retta, and Leonieilyn G. Malicay	6mos	Jul 1, 2020	Dec. 2020	Balite National High School and Mamanwa Community in Jubgan, San Francisco	Literacy Training	DepEd and LGU Jubgan	December 2-3 and 11, 2020		
5 Del Carmen Campus	Development of an Alternative Surface-type Tumbler Switch Piano Sustainer	Romy Jun Sunico, Jermiel Daanoy, Imbo Juanito B. Villamor, Elwin S. Argana	6mos	Sept. 1, 2019	Feb. 2020	Jesus Mirede Crusade International Ministry - Del Carmen Outreach Station	Religious Organization	Del Carmen, Surigao del Norte	Oct 2020 - present		Certificate of Utilization, Photo Documentation
6 Del Carmen Campus	Mass Composition and Segregation of Municipal Wastes in Del Carmen, Siargao Islands	Ajon C. Judilla, Sheena Elyn C. Litang, Jimbo Juanito B. Villamor	4mos	Aug. 21, 2019	Dec. 28, 2019	BIGU-Mabuhey, Del Carmen, Surigao del Norte	Government	Del Carmen, Surigao del Norte	Oct 28, 2020		Certificate of Utilization, P Evaluation Tool (Google Sheets)
7 Del Carmen Campus	Efficacy of Indigenous Plants with Anti-Helminthic Property against Goat (<i>Capra hircus</i>) Gastrointestinal Parasites under Tethered-grazing Biodiversity	Rismond Zenny P. Ubod John Paul M. Espiel Vicentini Arcular Dionil D. Dotillos Regine Culata Mark Eugene V. Escasoo	24mos	Sept. 25, 2018	Oct. 28, 2020	LGU-Del Carmen - MAFO	Government	Del Carmen, Surigao del Norte	November 16, 2020		
8 City Campus (CEIT)	QR Code Contact Tracing Using Google Cloud Platform	Hasmer C. Salubre, Analyn S. Morie, Ritchie A. Reyna, Ralph Aran C. Cabanero, Arvin Salvador, Gregorio Z. Gamboa, Jr.	7mos	Mar. 2020	Oct. 2020	LGU-Surigao del Norte	QR code tracing of Surigao del Norte	Surigao del Norte Province	Utilized by the Government of October 2020 until present		

Prepared by:



ENGR. VRIAN JAY X. KLAYA, PhD, MEEng'g
Research Director

Date


VIRGILIO B. RATUNIL, JR., MS
Extension Director

Date

Approved by:


GIDEON A. EBARSAVAL, PhD
VP-RDE

Date

3. OUTCOMES

- Memoranda calling for the annual college in-house review are attached

4. BEST PRACTICES

- The school is enjoying every employee to conduct researches in their areas of interest.
- The school is fair in awarding research grants across all campuses.

PARAMETER D – PUBLICATION and DISSEMINATION

1. SYSTEM – INPUTS AND PROCESSES

- An approved and copyrighted Research Journal is presented

- A scan copy showing the guidelines on paper presentations, journal publication and research related performance is provided.

2. IMPLEMENTATION

- The school disseminates the researches through forum, paper presentation and publication

Research Title	Researcher/s	Journal	ISSN	Volume/Issue No.	Date Published	Publisher	Extent of Circulation (Int'l, Nat'l, Loc)
1. A DATA MINING-DRIVEN MODEL FOR JOB SATISFACTION OF SCHOOL ADMINISTRATORS IN DEPED SURIGAO DEL NORTE DIVISION	Dr. Ronita E. Talingting	International Journal of Advanced Trends in Computer Science and Engineering	2278-3091	Volume 8, Issue 3	May-June 2019	The World Academy of Research in Science and Engineering	International
2. THE USE OF EDUCATIONAL DATA MINING TECHNIQUE IN TECHNOLOGY ASSIMILATION: A RESPONSE ASSESSMENT	Dr. Marilou B. Carnicer	International Journal of Advanced Trends in Computer Science and Engineering	2278-3091	Volume 8, Issue 3	May-June 2019	The World Academy of Research in Science and Engineering	International
3. CLUSTERING SCHOLARSHIP PROGRAMS USING EDUCATIONAL DATA MINING TECHNIQUES	Dr. Gregorio Jr Z. Gamboa	International Journal of Advanced Trends in Computer	2278-3091	Volume 8, Issue 3	May-June 2019	The World Academy of Research in Science and	International

		Science and Engineering				Engineering	
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- There is an outstanding support of the school in research-related undertakings as may be reflected by the published and presented researches both locally and internationally

Presenter	Title of Research	Activity/Event Where Presented	Date and Place
1. Vrian Jay V. Ylaya	Low Cost High Frequency Tag Antena for an Inventory Management RFID System	11 th International Conference on Humaniod, Nanotechnology, Information Technology, Communication and Control Environment and Management	November 28 – December 1, 2019 Laoag City
2. James Dumaguit	OJT Performance and Level of Satisfaction of BEXET Student-Trainees of SSCT for AY 2019-2020	1 st International Conference in Sports, Education and Sciences 2019	December 9-11, 2019 Clark, Pampanga
3. Archie Urbiztondo	Leadership of Administration in the 21 st Century and their Relationship to Teachers Performance of SSCT	1 st International Conference in Sports, Education and Sciences 2019	December 9-11, 2019 Clark, Pampanga

3. OUTCOMES

- Documents showing research utilization as some are attested by certificates issued by local government units on their utilization of the researches.

4. BEST PRACTICES

- The school encourages the faculty and employees to publish their researches by providing financial support.
- Incentives are given to published researches subject to attainable and doable conditions

5. EXTENT of COMPLIANCE with the Team Recommendations for Area V – Research in the last Survey Visit.

STRENGTHS

1. The administration shows immense support to all research undertakings, as manifested by the provision of a conducive Research, Development and Extension building, sufficient to hold trainings related to research activities.
2. The research agenda/thrusts of the institution capture the current national and regional priorities to conduct more promising research activities.
3. There is an adequate funding for research activities.

AREAS NEEDING IMPROVEMENT

1. Relevant documents to support the benchmark statements are not evident. ([View Files](#))
2. Research and results of completed researches are not yet utilized to target clientele for commercialization. ([View Files](#))
3. There are only few faculty members involved in the conduct of research activities such as paper presentations and publications. ([View Files](#))
4. The approved RDE Manual is not yet copyrighted. ([View Files](#))
5. The university research journal is still hold the old accreditation status from the Commission on Higher Education (CHED). ([View Files](#))
6. There was a limited participation of stakeholders in the formulation of research agenda as basis for identifying institutional thrusts and priorities. ([View Files](#))

RECOMMENDATIONS

1. Proper documentation may be observed during the conduct of significant research activities to serve as proof/evidence for complete supporting documents. ([View Files](#))
2. Utilization of research results to target clientele is encouraged so that more Income Generating Programs (IGPs) will be created. ([View Files](#))
3. The administration may provide a more attractive reward system to encourage more faculty to conduct research activities. ([View Files](#))
4. It is preferable that the RDE Manual be copyrighted to legally protect it. ([View Files](#))
5. The journal should re-apply and secure the award from CHED journal accreditation system which is the Journal Incentives Program (JIP). ([View Files](#))
6. The university may encourage the stakeholders to participate in the formulation of research agenda; and provide an avenue wherein the stakeholders' thoughts are taken considerably. ([View Files](#))