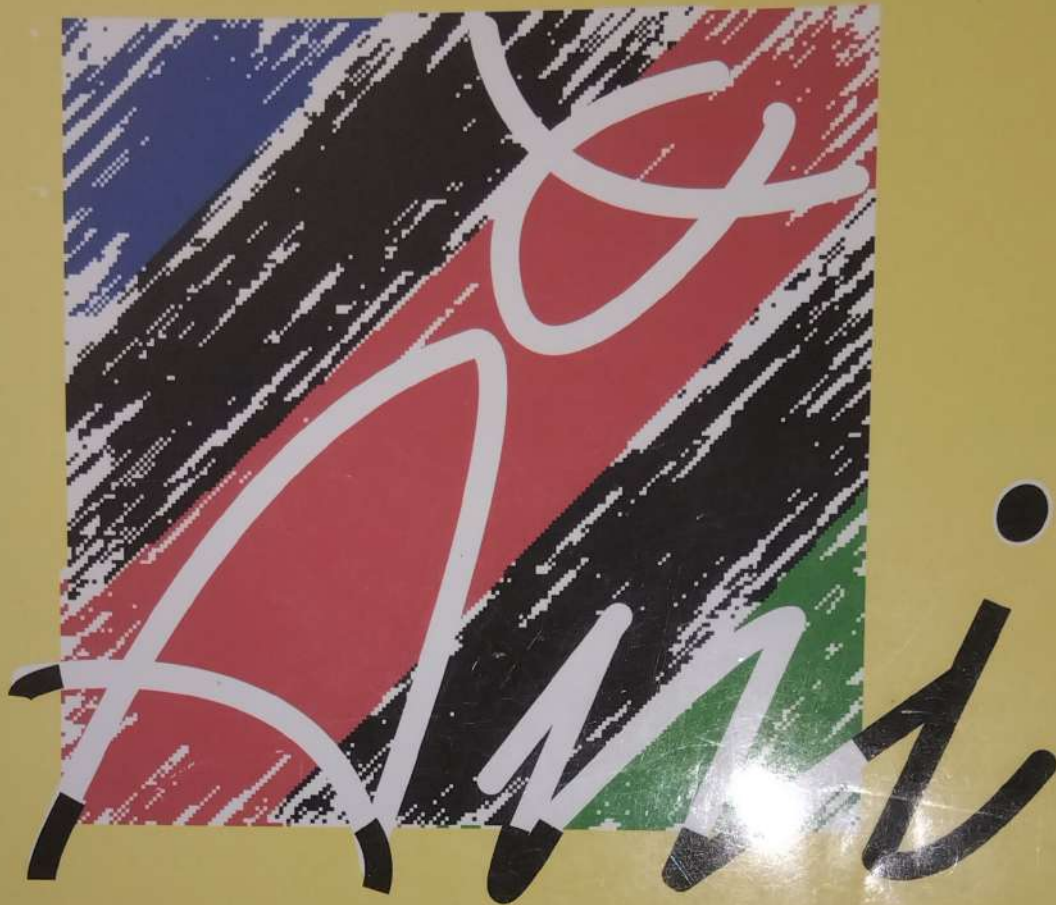




RESEARCH REPORT

Colegio de San Juan de Letran Calamba
A.Y. 2013-2014



Research Department

CONTENTS

Preface

School of Education, Arts, and Sciences

Communication	1
Education	7
Psychology	10

School of Computer Studies and Technology

Computer Science	26
Information Technology	28

School of Business, Management, and Accountancy

Human Resource Development Management	44
Marketing Management	52
Accountancy	66

School of Engineering

Computer Engineering	75
Electronics Engineering	78
Electrical Engineering	87
Industrial Engineering	91
Mechanical Engineering	99
	111

School of Nursing

Tourism and Hospitality Management Institute

Tourism Management	114
Hotel and Restaurant Management	125

Index

145

SCHOOL OF EDUCATION, ARTS, AND SCIENCES

Communication

S. J. Calura, A. K. Guarina, and A. J. Montilla "An Enriched Reading of Kastilyo ni Margarita." p. 1

M. A. Delfin and N. Vera "Communicated Values Depicted on Selected McDonald Philippines' Television Advertisements." p. 1

S. A. Olazo, R. M. Limpiada, and C. A. M. Espelita "Instagram Application as Self-Representation of Women." p. 2

E. M. Garcia, A. K. Daran, R. Valentino, and J. L. Alsaybar "Criteria in Evaluating E-Information for Academic Requirements from Google." p. 2

K. J. Garcia, K. C. Geguiera, and F. I. Millar "High School Students Constructs on the Image of a Filipino Through Panatang Makabayan." p. 3

D. A. Gasapos, A. L. Dimasaca, and M. I. Pagkalinawan "Most Preferred Letran Advertisement of First Year AB Communication Students in Choosing Their Program." p. 3

M. D. Salazar, M. Crusit, and J. Sanchez "The Portrayal of Self-Esteem and Dominican Values in the Narrative Film Himala." p. 4

K. Capuyan, T. A. Maiquez, and J. C. Manas "Defining Communication: Exploring the Constructs and Dominant Concepts of AB Communication Alumni of Letran Calamba." p. 5

J. A. Carlos and K. M. Sandoval "Making an Adjustment: A Conversation Analysis on the Communication Repair Patterns Between Professor and Students during Academic Consultations." p. 5

D. M. Wassmer, M. A. Cordero, and C. J. Reyes "Mozilla Philippines Community: A Study on the Communication Flow of a Non-Profit Virtual Organization." p. 6

Education

R. M. Aldipollo, M. Bornilla, and G. A. Silao "Development of Text-to-Speech (TTS) Voices for Teaching Philippine Literature to Grade 7 Students." p. 7

M. M. E. Noblejas and M. Baulite "The Relationship Between Frequency of Viewing English TV Shows and Fluency in Speaking in English among the Grade 6 Pupils of Colegio de San Juan de Letran-Calamba." p. 7

T. E. Paulin "Literary Skills of Letran Calamba Third Year High School Level: Basis for the Development of Portfolio Assessment Tool in Literature." p. 7

D. A. de Claro and S. J. Valencia "Sight Words: A Strategy to Enhance the Reading Comprehension and Reading Ability of Preschool Pupils of Colegio de San Juan de Letran Calamba." p. 8

Psychology

A. Arellano, J. M. I. Beltran, and A. G. Co "Adversity Quotient: Input to Capacity Building of Fishermen in Tadalac, Los Baños, Laguna." p. 10

S. F. Balanza, K. E. Oro, and J. R. Villar "Perceived Social Support and its Impact on the Sexual Disclosure of Selected Lesbians in Colegio de San Juan de Letran Calamba SY 2013-2014." p. 10

M. B. Basilio, J. De Los Santos, and M. R. Rivera "Konsepto sa Sarili ng mga Kabataang Babae na Maagang Nag asawa." p. 11

C. Batas, C. B. Billen, and E. Montiero "Ang Mukha ng Buhay sa Gitna ng Dilim at Liwanag ng Aborsyon." p. 12

J. R. Capilitan, K. L. Calisay, and S. J. Mando "Correlating School Bullying with Sense of Belonging and Security among High School Students of Colegio de San Juan de Letran Calamba." p. 13

M. C. Desiderio, M. J. Fernandez, and R. A. Trinidad "Academic Self-Efficacy and Academic Performance of Student-Mothers in Colegio de San Juan de Letran Calamba, A.Y. 2013-2014: A Basis for Intervention." p. 13

J. M. Eusebio, E. M. Cañares, and E. J. Gonzales "The Implication of Role Reversal on the Self-Concept of Househusbands in the Selected Areas of Laguna." p. 14

J. Gonzales and C. Villamor "Ang Sikolohiya ng Pagtitiis Alang-Alang sa Edukasyon ng mga Mag-Aaral na Naninirahan sa Brgy. Bagong Silang, Los Baños, Laguna." p. 15

M. C. Ibañez, B. D. Del Rio, and G. Valdez "Pagganap ng Piling Calambeño sa Cosplay : Isang Pag-aaral." p. 16

A. Laguras "Given Names and Career Personality of Selected San Cristobal National High School Students A.Y. 2013-2014." p. 16

M. R. C. Bathan, A. M. Malabanan, and J. H. Manolato "The Psychosocial Needs of Students in Tiyani Elementary School: A Basis for a Proposed Guidance Intervention Program." p. 17

M. Ortiz, L. Billona, and A. K. Joven "Motivational Factors of the Aspirants and the Postulants of St. Albert the Great Seminary for Entering the Seminary." p. 17

J. C. Pablo and J. E. Rosales "Intervention and Aggressiveness of Inmates in the New Bilibid Prison." p. 18

Z. Flores, E. S. Lopez, and R. A. Panganiban "Relationship of Zodiac Sign Attributes and Personality Factor of Selected 3rd and 4th Year BS Psychology Students." p. 19

J. Pebre, R. R. Banzuela, and C. J. Lao "Quiapo Chronicles: Isang Pagsusuri sa Konsepto ng Kapangyarihan ng mga Taong Nagtataglay ng Agimat." p. 20

L. J. Larita, G. L. Mendoza, and P. P. Perez "Development of Life Skills Structured Learning Experience (SLE) Module for the Adolescents in a Long-Term Residential Care Center." p. 20

A. D. Postigo, D. M. Dinulos, and K. Tolentino "Effects Of Play Therapy on the Subjective Well-Being of Sexually Abused Child." p. 21

J. M. Lalusin, J. D. Raymundo, and P. A. Santos "An Analysis of Letran Calamba Senior High School Students' Value Orientation." p. 22

J. Villamayor, C. A. Capurihan, and A. M. Tan "The Constructs of Hope of Homeless Youth in City of Santa Rosa, Laguna." p. 23

M. M. Saludo, M. V. Lopez, and B. Lantican "Level of Stress and Resiliency of Mother Having a Child with Autism at Autism Resource Center in Los Baños, Laguna." p. 23

C. Piel, V. Cariaga, and J. X. Tillo "Mga Pagbabago sa Pamumuhay ng Ilang Kidney Seller sa Tayabas, Quezon: Isang Penomenolohikal na Pag-aaral." p. 24

C. Alcabasa, Z. M. Batallones, and C. Juliano "Parental Consistency and Support as Correlates of Personality Traits of Students-at-Risk in Colegio de San Juan de Letran Calamba." p. 25

SCHOOL OF COMPUTER STUDIES AND TECHNOLOGY

Computer Science

R. Alcachupas, A. J. Java, and N. H. Managa "Jam Viewer A CCTV Viewer with Video Enhancement Capability Using Recursive Algorithm for Android Mobile." p. 26

A. Alejo, Jr., R. Bernardino, Jr., D. E. Gajitos, and A. R. Macalino "Pornographic Detection Application (PDA) Using Nudity Detection Algorithm." p. 26

G. C. Romuga, J. N. Polintan, M. A. Mercado, and R. G. Silvala "Classifying, Converging, Simulating of NSDSAS and TRMM Weather Data Aggregation Using Hierarchical Search Algorithm." p. 27

Information Technology

C. Lao, N. Maraña, and A. J. Curabo "E-PAD: A Web-Based Parent-Administrator Interactive Communication with Grading System and Attendance Monitoring in SMS Technology for Agustinian School of Cabuyao." p. 28

A. V. Evangelista, R. L. Precilla, and R. J. Sta. Maria "I-INFORM: An Online Access and Leave Management System for the Human Resource Department of Colegio de San Juan de Letran Calamba." p. 28

R. Argayoso, M. A. Estillore, and J. A. Salvacion "Online Transaction Processing System for Recognized Student Organization of Student Affairs Office of Letran Calamba." p. 29

E. Inapan, R. Ho, and A. Paguio "E-Class Record Using Android Application via Tablet for Ark of Angels Academy." p. 29

J. V. Arellano, R. A. J. Pacil, and C. Tolentino "Online System on Related Learning Experience Courses for the School of Nursing of the Colegio de San Juan de Letran Calamba." p. 29

N. B. Cargamento, J. K. Laroza, and M. P. C. Palama "LAN-Based Payment Requisition for General Affairs Division of Ibdien Philippines, Inc." p. 30

J. E. De Villa, M. V. Oruga, and F. F. Regalo "OLANIS TPS: A LAN-Based Transactional Processing System for Olanis Group of Companies Inc., Real, Calamba, Laguna." p. 30

P. L. Garcia, L. P. Hibas, and A. Quizon "Online Faculty Evaluation System for Laguna College of Business and Arts." p. 31

K. Huang, M. Maguad, and J. Rabe "IALERT: Multi-Hazard Emergency Notification for DOST CALABARZON Region IV-A." p. 31

J. Aramil, J. E. L. Brul, and B. Derequito "Occupation Search Helper with Alumni Tracking for College Graduating College Students of Colegio de San Juan de Letran Calamba." p. 32

A. Delos Reyes, G. P. Crisostomo, and R. J. Hontiveros "JOB-SMGS: Online

Job Application with Job Matching for Sanmaru Manpower and General Services." p. 32

O. Padua II, E. W. Gonzales, T. A. Maiquez, and D. Dotarot "LAN Based ISO Database Management System of Quality Management and Planning Department in Letran Calamba." p. 33

A. E. Abnel, J. Bautista, and R. Revilla "Loanng System for Calamba Parish Development Cooperative." p. 33

J. Sambrano, H. Guinhawa, and A. Nielo "E-MAK: Electronic Monitoring and Evaluation System for Makipamuhay of Colegio de San Juan de Letran Calamba." p. 34

J. C. De Leon, N. Malacad and T. M. Oabel "NEXT GEN: A LAN-Based Exam Creator, Checker and Evaluator Using Split-Up Algorithm Integrated with Decision Support System for School of Computer Studies and Technology." p. 34

J. Gabilla, G. Calpito, and R. B. Perez "IHELP: An Intranet-Based Job Request Service for ITS Technical Unit of Management Information Systems Department of Colegio de San Juan de Letran Calamba." p. 35

J. M. Balagot, J. Bulan, and R. Manicad "Community Environment and Natural Resources Office Document Management System." p. 36

A. M. Lantican and L. E. Leviste "MY KNIGHT: An Online Access for Letran Calamba Students Records." p. 36

L. C. Guerrero, J. A. Perea, and J. R. Ramirez "KNIGHTVIGATOR: An Interactive Three Dimensional Vicinity Map of Colegio de San Juan de Letran Calamba in Android Platform with a Text to Speech Feature." p. 36

H. Magda, K. M. B. Hidaka, and P. J. Go "SEARCA E-PUB: A Mobile Publication and Ordering System of SEAMEO SEARCA." p. 37

R. Samson, K. C. Fabellar, and M. J. Claveria "Web-Based Automated Payroll System for Golden Crest Management System Inc. (GMSI)." p. 37

J. R. Anit, J. Palapala, and J. Laraño "Course Assessment and Evaluation System of the School of Computer Studies and Technology in Colegio de San Juan de Letran Calamba, Bucal, Calamba City." p. 38

M. C. Chichoco, E. Gelasin, and J. Nantes "Intranet Based Help Desk Management System with Automated Job Scheduling and Routing Facility for ICT Department of City Government of Calamba, Laguna." p. 38

G. A. Oñate, J. B. Refugio, and W. Tumambac "Geographical Information System for Community and Extension Services Partner Communities." p. 39

J. S. Rivera, A. Lucido, and J. Reyes "Online Grading System of the Graduate School and Professional Services of Colegio de San Juan de Letran Calamba." p. 40

L. Agustin, M. A. Barba, and C. J. Barraquio "Online Patient Management Information System for City Health Office of Calamba City." p. 40

G. P. Peralta, J. Freo, and G. E. Manalo "Web-Based Purchasing Operations and Sales and Inventory System with Quality Evaluation and Various Modes of Transactions for Best Deals Laguna." p. 41

L. P. Conese, J. E. Masilang, M. A. P. Redondo, and F. Villanueva III "Online Registration and Tournament Information System for Laguna Chess Association." p. 41

I. Y. Manjares, A. B. Bariring, and M. H. Janeo "Automated Real Property Tax Declaration of the Assessor's Office of the Municipality of Victoria, Laguna." p. 42

M. K. Rebong, P. H. Banca, and B. H. Salvaleon "SCIMATH: E-Learning Resource Management System for Science and Math Subjects of Grades 7 and 8 of Colegio de San Juan de Letran Calamba." p. 42

J. R. Revilla, J. Ambagan, and J. Joven "Payroll System with Time Keeping Reports for Sub-Contractual Employees of Ibiden Philippines - Sto. Tomas Batangas." p. 43

SCHOOL OF BUSINESS, MANAGEMENT, AND ACCOUNTANCY

Human Resource Development Management

J. M. Angeles, J. C. Buis, and T. Rojo "The Effects of Work Environment on Satisfaction and Motivation of Employees in Miascor Logistics Corporation." p. 44

G. M. Balazuela, G. C. Bongalon, and D. J. Nepomuceno "Proposed Training Plan for Colegio de Los Baños." p. 44

G. Fabian, K. J. Alinsunurin, J. E. Albao, and J. R. Bayabos "The Impact of ISO Certification Towards Work-Life Balance of Selected Employees of Letran-Calamba." p. 45

T. Maneclang, J. Jaraplasan, and M. Fernandez "A Comparative Analysis of the Perceived Satisfaction Towards the Benefits of the Men's Basketball Varsity Teams from Selected Colleges in Calamba City and its Effect to Performance." p. 45

P. J. Bondad, M. J. C. Hilbero, and A. Penido "The Compensation Satisfaction and Integrity in the Workplace of Employees of Municipality of Pagsanjan." p. 46

J. Del Rosario, E. Baroro, J. E. Hedreyda, and B. Uychutin "The Implications of Workplace Diversity and Workplace Effectiveness." p. 47

L. J. Faustino, R. C. Onte, and A. P. Sy "Embracing Change in Management and its Effect to Selected Employees at Asian Transmission Corporation-Canlubang." p. 47

S. Viacruses, M. B. Repomanta, and A. M. Herbosa "Quality Service and Customer Focus Competency of Selected Employees as Related to Client's Level of Satisfaction." p. 48

M. A. Barraquia, E. Castillo, and A. K. Dictado "Human Resource Development Management On-the-Job Training (Summer 2013) Experiences: Inputs to Curriculum-Industry Review." p. 49

C. Refugio, E. R. Macha, and M. Romero "Level of Job Satisfaction among Rotated HR Staff of Company XYZ on Current Duties and Responsibilities: Inputs to Succession Planning." p. 50

Y. M. Rino, C. G. Esplana, and E. M. Garcia "The Effectiveness of Technical Training in Universal Robina Corporation's (URC) Production Department: Line 2-RFD." p. 51

Marketing Management

E. J. Batika, J. Brosas, and A. De Leon "Funky Fit Panada Enterprise." p. 52

J. B. Amado, N. M. Carpena, and H. Malla "Molecules Laundry Shop." p. 52

D. J. Bonifacio, V. Meneses, and D. Dollentas "Ice Cream Waffle." p. 53

K. A. Dulay and J. G. Solmoro "Waffle Burger." p. 53

G. R. Sumague, C. K. Corook, and K. E. Macaraeg "Ubebingka." p. 54

Q. T. Villanera, E. Almario, and A. P. Marual "Roll and Dip Flavored Espasol." p. 55

- P. V. Avanzado, K. G. Briones, and D. Corpin "F-One Printing Shop." p. 55
- A. Ayson, A. Ayson, and G. E. Ajes "Chibies Pastries." p. 56
- P. A. Lazaro and J. K. Malacaman "Cutie Pie." p. 56
- C. M. Caldo, G. Lanting, and D. J. Manilay "Burap (Filipino Style Burrito)." p. 57
- E. Dueñas, R. E. Alilio, and N. Ansay "Kamothylicious: Distribution and Marketing of Sweet Potato Cupcake." p. 57
- J. M. Nuñez, M. Opeña, and J. A. Salaver "Innovative Bomb-nanas Coated with Chocolate and Toppings." p. 58
- J. C. Valeroso, A. Sabarias, and C. Valdez "Sawrap (Filipino Style Burrito)." p. 58
- K. Abaquin and J. E. V. Adriano "Eggshell Polvoron." p. 59
- J. A. Apostol, M. C. Pasuquin, and M. Planilla "Homemade Doughnut with Dark Chocolate and Banana Filling." p. 59
- A. Andrada, M. A. Hernandez, and C. J. Sioson "Cassava Brownies." p. 60
- A. A. Atienza, M. J. Mendoza, and J. A. Rey "Makipinoy." p. 60
- L. de Villa, M. C. Esguerra, and J. J. Ramos "Malunggay Nachos." p. 61
- A. J. Oruga, A. Franco, and W. Ludovice "Gift Basket Designing." p. 62
- R. de Jesus, R. de Jesus, Jr., M. J. Lacerna, and J. Mateo "Krispi Potatoy." p. 62
- A. L. Perez, B. A. Obmina, and R. Felipe "Freeze Twist." p. 63
- I. G. Baniña, K. N. Mallari, and I. M. Limon "Powershake." p. 64
- H. K. Blastique, E. H. Carta, and C. Malabanan "Cassava Flavor-Filled Suman." p. 64
- M. G. Miranda and J. Plumares "Burgerish." p. 65

Accountancy

- M. R. Samson, C. M. Muan, and R. M. Alvarez "Innovatively Made Pancake with Kalabasa Filling." p. 66
- A. J. Pirante, A. G. Itchon, and A. Hinagpis "Choco Mallow Empanada." p. 66
- G. Melanio, R. M. M. Atienza, and A. M. Dawinan "Variety of Flavored Crinkles."

p. 66

P. V. Mallavo, A. C. Cuare, and R. Lutero "Taho Shake." p. 67

M. J. Buenafe, E. J. Prats, and J. R. Velasquez "Rice Shot." p. 67

M. Munda, R. Palacpac, K. A. Desepeda, and M. Gamilla "Okey na Okoy." p. 68

K. A. Bermudez, F. J. Larona, and H. J. Rareza "Pineapple Ketchup." p. 68

B. Dioko, J. Callos, and K. S. Valles "Just in Case." p. 69

R. Bagga, M. Cabrera, and J. Maligat "Product Innovation of Pomegranate, Guava, and Basil Chocolates." p. 69

M. S. Adremesin, J. Austria, and R. K. Bernabe "Embupao." p. 70

E. G. Espino, R. Bulaclac, and R. J. Oganía "Fruit Kebab with Dips by Fruit Zamurai." p. 70

J. A. C. Almario, K. Gonzaga, and L. Leal "Pasta Grab." p. 71

R. A. Delgado, C. A. Faylona, and A. N. Pacificador "Tomato Yema Delight." p. 71

B. M. Panganiban, R. A. Alcasabas, and M. M. Paner "Eggplant Lasagna Cupcake." p. 72

M. F. Montierro, B. M. Baliwas, and G. T. Dator "Dress Your Bags." p. 72

S. M. Sagum, K. Dawinan, and E. K. Dela Cruz "Tofurger." p. 73

R. Libao, A. Viterbo, and R. Cadsawan "Pizzatik." p. 73

J. M. Guico, M. K. Herradura, and H. G. Sanchez "Motelicious: Kamote Balls and Pancake." p. 74

SCHOOL OF ENGINEERING

Computer Engineering

C. M. E. Almario, J. D. Beltran, and N. B. Besin "Crime Tracking Device Using GPS and SMS Technologies." p. 75

M. A. Cadang, J. M. Pabalan, and A. Sanico "Home Security and Monitoring

System in Wireless Technology Using Face Detection and Android Application Software." p. 75

H. J. Mejia, M. A. Claracay, and R. M. Barraquia "Raspboard: Digital Bulletin Board Using Raspberry Pi in Wireless Technology." p. 76

M. G. Magnaye, P. I. Capistrano, and R. Baricanosa "Energy Management on Appliances' Energy Consumption Through Web Interface Application." p. 76

R. Sahagun, A. Luna, R. C. Reyes "Innovative Entrance Gate with Metal Detector Applying Face Recognition Detection and Notification System." p. 77

Electronics Engineering

D. A. Angeles, J. K. de Galicia, and A. A. Arnisto "Anti-Theft Security System of Philippine Long Distance Telephone Cable Network in Brgy. Sto. Tomas, Biñan Laguna." p. 78

A. Gungon, M. M. Garcia, and N. J. Napiza "Improvement of Car Parking System in Target Mall Balibago Commercial Complex, City of Santa Rosa, Laguna." p. 78

J. Santos, C. S. Lucena, and L. A. Paglinawan "Improvement of Low Yield Notification System at On Semiconductor Philippines Inc. (OSPI)." p. 79

K. A. Calibo, F. M. Estenor, and M. R. Suarez "Design and Implementation of New Link Between Digital Telecommunications, Inc. (Digitel) Los Baños, Laguna and Philippine Long Distance Telephone Company (PLDT) Los Baños, Laguna." p. 79

J. Fernando, R. Peduche, and C. Tabernilla "Improvement of Back-Up Power Supply and Switch Mechanism of Access Gateway Cabinet of Philippine Long Distance Telephone Company in Calamba City." p. 80

J. G. Castillo, E. P. Llegado, and R. Oplencia "Designing a Telephone and Internet Connection Plant Layout of Philippine Long Distance Telephone Company – Sta. Cruz for Brgy. Mojon Liliw, Laguna." p. 80

J. M. Orolfo II, E. Macalinao, and C. A. Liongson "Improvement of Public Address System in PSI Technologies Inc." p. 81

J. A. Acosta, A. L. Concio, and M. R. Silaya "Improvement of the Existing Wireless Internet Connection in Colegio de San Juan de Letran Calamba." p. 81

A. L. Bagtas, J. Cerdon, and L. M. Natividad "The Improvement of Surveillance System for the Public Safety Concern at the Premises of Cabuyao City Hall of Laguna." p. 82

N. C. Dichoso, A. A. Agapito, A. R. Alemania, and L. Matulac "Improvement of Network Connection at the City Hall of Cabuyao." p. 82

E. Dela Peña, J. Gesmundo, and J. Maneclang "Prevention of Frequent Damage of Line Cards at Philippine Long Distance Telephone Cabinet in Miramonte Village, Brgy. Pansol, Calamba, Laguna." p. 82

C. M. Caraon, K. Dela Cruz, and L. Gapaz "Copper Cable Breakage Locator for Philippine Long Distance Telephone Company Calamba." p. 83

J. M. San Jose, A. Lozano, and K. Fortuna "Development of Traffic Control and Monitoring System for Toyota Motor Philippines Corporation in Sta. Rosa City Laguna." p. 83

M. J. Agawin, E. Baguioso, and V. A. Barraquio "Improvement of Alarm System of Philippine Long Distance Telephone (PLDT) Cabinets in Dita, Santa Rosa City." p. 84

C. J. Erespe, J. M. Santos, and Z. J. Tiong "Improvement of Quality of Television Signal Reception of Royal Cablevision Corporation in Saint Joseph 6, Butong, Cabuyao Laguna." p. 84

R. Ocenar, M. C. F. Paral, and M. J. Tardeo "Enhancement of Transmission Media of Video and Data Signal of Community Cable Vision Corporation in Los Baños, Laguna." p. 85

E. Sangalang Jr., M. A. Delgado, and B. Lontoc "From Classical to Innovative: An Implementation of an Enhanced Alarm System in Calamba Fire Station." p. 85

J. K. Vanguardia, J. Atienza, and S. F. Regulto "Enhancement of Data Storage and Accessibility of PCAARRD-DOST." p. 85

S. M. Go, K. C. Reyes, and J. C. Umayam "Minimization of Intermittent Connection on Cable Wires of Philippine Long Distance Telephone Company at Brgy. Lawa, Calamba City, Laguna." p. 86

Electrical Engineering

G. Alcantara, J. G. Duey, and J. Morada "Improvement of Main Circuit Breaker System's Reliability at Automotive Air-Conditioning Technology of the Philippines." p. 87

J. Arroyo, K. Sibayan, and M. A. Urriquia "Improvement of the National Road Street Light System in Rizal, Laguna." p. 87

R. J. Calanza, R. Rogando, and M. L. Urzo "Improvement of Perimeter Lightings of Union Galvasteel Corporation." p. 88

P. Ongleo and F. Oligario "Improvement of Cooling Tower's Motor Control Circuit in Plant B3 of Company A." p. 88

E. Orias, M. A. Munda, and J. K. Jagonoy "Development of Power Reduction Methods in Roll-Forming and Distribution Department of Union Galvasteel Corporation." p. 89

R. E. Guia, C. Manguiat, and R. Pitogo "Energy Saving Schemes in Preparation for the Open Access at Colegio San Agustin – Biñan." p. 89

C. J. Malaluan, R. Tardeo, and M. J. P. Villanueva "Improvement of Parkway Lighting System of Via de Jordano and Via de Reginaldo of Colegio de San Juan de Letran-Calamba Using Renewable Energy Sources." p. 90

Industrial Engineering

M. Capitan, M. D. Malapitan, and C. Velarde "Production and Marketing of Bricks Reinforced with Human Hair and Recyclable Plastic." p. 91

J. K. Brena, R. L. Maligaya, and S. Huelgas "Production and Marketing of Textile Using Corn Husk Fiber, Cotton and Polyester." p. 91

H. Cartaño, Jr., M. Decena, and M. Lechuga "Production and Marketing of Corrugated Carton Made from Saw Dust and Used Paper." p. 92

N. Carta, C. Dimaculangan, and S. A. Trinos "Production and Marketing of Acne Scar Remover Using Potato Peel." p. 92

M. L. A. Barachina, M. Biconco, and K. Garcia "Production and Marketing of Paper Drinking Straw Using Recycled Paper." p. 93

A. Alpay, M. C. Barrera, and C. Biong "Production and Marketing of Sanitary Paper for Toilet Seat Cover Using Recycled White Paper." p. 94

M. N. Bragancia, J. Ramos, and A. G. Roxas "Production and Marketing of Portable Bio-Digester for Household Organic Waste." p. 94

N. D. Gamban, K. Magda, and K. Reyes "Production and Marketing of Odor Neutralizer Using Carbon from Used Paper." p. 95

J. Palisoc, R. F. Escandor, and M. K. Laude "Production and Marketing of Wood Wool Cement Board from Sugar Cane Bagasse." p. 95

D. Dinulos, M. Garcia, and J. Mateo "Production and Marketing of Paper Bags

from Sugarcane Bagasse." p. 96

C. M. Caingay, J. E. Mercado, and N. I. Que "Production and Marketing of Floor Tiles Containing Carbon Black Extracted from Scrap Tires." p. 96

I. Garganera, J. A. Javier, and K. J. Pineda "Production and Marketing of Ladies' Shoes from Recycled Materials." p. 97

J. P. Dichoso, A. Africano, R. A. Cunan, and P. J. Dela Cruz "Production and Marketing of Artificial Dimensional Lumber." p. 97

R. Mayuga, K. Banaco, and A. M. Gurion "Production and Marketing of Sanitary Napkin Using Recycled Chicken Feathers as an Alternative Absorbent Material." p. 98

R. Arida, N. J. Martinez, and K. J. Urzo "Production and Marketing of Chop N' Slide Chopping Board from Recycled Wood." p. 98

V. C. Reyes, I. Ceniza, and J. L. Mendoza "Production and Marketing of Thermal Insulated Food Container Bags from Recycled Plastic Foil and Scrap Textile." p. 99

C. M. Cadag, V. De Torres, and J. Jimenez "Production and Marketing of Window Pane Using Polyethylene Terephthalate (PET) Bottles." p. 99

Mechanical Engineering

R. Alpa, R. E. Español, and R. G. Giron "Cost Reduction in the Operation of Fire Tube Boiler of Tanduy Distillers Inc. in Cabuyao, Laguna." p. 101

D. Basbas, D. Dela Cruz, and N. E. Ragudo "Process Improvement of the Sewage Treatment Plant for the Calamba Public Market at General Lim St., Brgy. V, Calamba City, Laguna." p. 101

B. K. Perez, J. R. Mogallos, and D. Prescilla "Modification of Oil Cooler Hobbing Machine in Asian Transmission Corporation at Canlubang, Calamba City." p. 102

A. J. Barlan, J. Apalla, and N. D. Arpon "Design of Fire Protection System of Colegio de San Juan de Letran Calamba." p. 102

K. A. Dela Cueva, J. K. Malipol, R. B. Nicolas, and A. Reyes "Improvement of Waste Water Discharge System for Plant A of Aboitiz Power Renewables Inc. in Brgy. Bitin, Bay, Laguna." p. 103

M. J. Orjaleza, A. D. Rivera II, and K. Mabalhin "Improvement of the Ventilation System in a Cable Tray Fabrication at Taihei Alltech Construction (Phil.) Inc. in Sta. Rosa City, Laguna." p. 103

K. Baloran, M. R. De Guia, and D. L. Perlez "Installation of Treatment Facility for Waste Water Discharge of the School Canteen of Colegio de San Juan de Letran Calamba." p. 104

L. A. Alipio, K. A. Ramilo, and L. Santos "Design of Air Ventilation System for the Manufacturing Building of Asian Transmission Corporation (ATC) in Canlubang, Calamba, Laguna." p. 104

R. L. Pico, R. Malacaman, S. I. Victoria, and M. J. Zarraga "Improvement in the Performance of the Cooling Tower of M&T Injection Moulding Co. Inc. at Carmona, Cavite." p. 104

C. Uri, M. Par, and R. J. Hastie "Solvent Waste Recovery of Philippine Auto Components, Inc. at Carmelray Industrial Park in Canlubang, Calamba, Laguna." p. 105

E. Bautista, Jr., D. Flancia, and G. Sangalang "Design of Centralized Potable Water Treatment Facility for Colegio de San Juan de Letran – Calamba." p. 105

R. Manjares, A. Montano, and M. E. Panes "Design Improvement of Air Conditioning System of Dynamic Product Line Inc. in CPIP, Batino, Calamba City." p. 106

D. J. W. Agawin, J. U. Balajadia, and L. C. Falcon "Design of Rainwater Harvesting Facility of Colegio de San Juan de Letran Calamba." p. 106

J. N. Lutero, O. J. Alforja, and A. Taray "Design of Centralized Air-Conditioning System for Old Gymnasium, Fra Angelico Hall, of Colegio de San Juan de Letran–Calamba." p. 107

M. S. Urzo, M. Aliwalas, and M. Paunlagui "Improvement of the Wastewater Treatment Plant of Calamba Slaughterhouse." p. 108

A. Dasig, Jr., M. A. Suerte, and J. Yu "The Production of Biofertilizer from Biodegradable Waste of Colegio de San Juan de Letran-Calamba Through Composting Technique." p. 108

J. L. Dizon, K. J. V. Batalla, and J. O. Castillo "Design Improvement of the Roller Type Conveyor of the Automotive Air-Conditioning Technology of the Philippines at Canlubang, Calamba, Laguna." p. 108.

P. D. Batanes, K. de Lumban, and R. R. Malabanan "Re-Use of Treated Wastewater at Major Food Processing Company in Canlubang, Laguna." p. 109

J. R. Articono, M. A. Bautista, and L. Lauro "Utilization of By-Products of

Coconut from Drilling Process at Franklin Baker Company of the Philippines in San Pablo, Laguna." p. 110

SCHOOL OF NURSING

R. Aguila, R. A. Alcantara, and M. R. Andres "Dealing with Loss: Lived Experiences of Mothers with Miscarriage." p. 111

C. Anievas, K. R. Batanes, E. Bonus, and W. N. Conor "On Failing the Nurses' Licensure Examination: Lived Experiences of Letranite BSN Graduates." p. 111

D. D. Dicolen, J. Echiverre, M. I. Ello, and S. A. Endegado "My Mama/Papa has Cancer... The Voices of Their Children: A Phenomenological Study." p. 112

A. C. Kakilala, C. Lescano, and J. E. Llamoso "Hospital's Revolving Door Experience: An Analysis of Nurses' Turnover." p. 112

M. A. Lorenzo, J. Padua, D. Panganiban, and N. Peña "Time Management Skills Related to Clinical Performance among Level-Iv Nursing Students of Colegio de San Juan de Letran Calamba, A.Y. 2012-2013." p. 113

M. Ramos, J. W. Rodriguez, M. G. F. Salcedo, and T. Taccad "Lived Experiences of Letranite Nursing Students on Death and Dying: A Phenomenological Approach." p. 113

TOURISM AND HOTEL AND RESTAURANT MANAGEMENT INSTITUTE

Tourism Management

A. I. Escobin, S. Evangelista, and P. Y. Mena "The Challenges of Conserving Kabayan Mummy Burial Caves as a Cultural Heritage Tourism Site in Kabayan, Benguet." p. 114

N. I. Vitaliz, J. Navarro, and M. Reodica "Sustainable Tourism Development in the Rice Terraces of the Philippine Cordilleras as a UNESCO World Heritage Site." p. 114

A. J. Namuco, M. R. Jimenez, and J. Lopez "The Climbers' Trail: Policy Implementation Concerning Mountaineering as an Ecotourism Activity in Mt. Makiling, Los Baños, Laguna." p. 116

C. Tiongco, D. J. Enriquez, and D. Jamir "Cavinti Underground River: Unfold its Potential as an Ecotourism Site in The Province of Laguna." p. 116

N. A. Bicomong and M. I. Marticio "Sonya's Garden in Alfonso, Cavite as a Health and Wellness Tourist Destination." p. 117

R. Cajipe, M. V. Raymundo, and R. L. Monserrat "Assessment of Magdalena White Water River Rafting as a Recreational and Tourist Destination in Laguna." p. 118

C. J. Dimaculangan, A. C. Camposano, and K. J. Llamas "Waste Management Practices of Anilao Beach Club and its Compliance with Ordinance No. 7-2001." p. 118

J. Maniclang, P. M. Bailon, K. F. Kamatoy, and L. Ramirez "An Assessment of the Safety and Security Procedures of Sky Fun Amusement Park in Tagaytay City." p. 119

A. Arias, S. D. Botardo, and K. Y. Eleazar "Taal Heritage Village as a Potential UNESCO World Heritage Site." p. 119

E. Burgos and M. A. Quintos "The Sapatos Festival: Bracing the Shoe-Making Industry in the City of Marikina." p. 121

P. M. Dyaico, Z. Dela Cruz, and P. Vergara "Promotional Strategies of Flyboard or Hydrojet Surfing as a Top Extreme Water Sport Activity at Subic Bay Freeport Zone." p. 121

N. K. Pagkaliwagan, J. E. Medina, and M. I. L. Oplencia "Evidences of Program Educational Objectives in Employed BS Hospitality Management Major in Tourism Graduates of Colegio de San Juan de Letran Calamba Batch 2008-2009." p. 122

Y. Garcia, J. A. Manito, and P. D. Becina "The Potential of Republic Wake Park Nuvali Sta. Rosa as a Sports Tourism Destination." p. 123

E. Mojica, M. G. De Lara, and A. D. Gorordo "The Service Quality of Luisa Ridge Hot Spring Resort and Spa in Bucal, Calamba City: A Gap Analysis." p. 123

Hotel and Restaurant Management

Z. A. Abdulla, J. Cernero, and J. Payra "Effectiveness of the Marketing Strategy of Herb Republic in Los Baños, Laguna." p. 125

A. J. M. Abril, A. G. Manguerra, and P. J. Marce "Customer Satisfaction on Physical Facilities of Hap Chan Tea House in San Pablo City, Laguna." p. 125

J. K. Atok, T. J. Manalang, and R. J. D. Cordial "An Assessment of Waste Management Practices of Palmera's Garden Restaurant." p. 126

- B. Banda, K. C. Calub, and I. Garcia "Application of Marketing Mix to the Improvement of Dalcielo Restaurant and Bakeshop in Los Baños, Laguna." p. 126
- A. L. Barzaga, E. Vigil, and A. Tengco "From Poor to Excellent: Investigating Service Recovery Strategies." p. 127
- N. M. Almeyda, J. F. Apolinario, and E. J. Bato "Customer Satisfaction in Microtel Eagle Ridge, Cavite City." p. 128
- J. Berris, A. De Leon, and A. J. Dela Viña "Are They Safe?: Lodging Houses in the Vicinity of Colegio de San Juan de Letran Calamba." p. 128
- A. L. Campomanes and M. L. Ramos "Meal Management of Bureau of Jail Management and Penology in San Pablo City District Jail." p. 129
- B. Carreon, M. Ledesma, and C. M. Drije "The Level of Customer Satisfaction on Food Quality and Quality Service of Mang Inasal, Halang Calamba City." p. 129
- C. R. Cruz, S. J. Llanto, and M. D. Quimno "Crisis Management of Coconut Hills Beach Resort." p. 130
- P. de Guzman, M. D. Diego, and K. M. Valencia "Relevance of Hotel and Restaurant Management Curriculum of Colegio de San Juan de Letran-Calamba to the Hospitality Industry Requirements." p. 130
- H. K. de Vera, C. A. Malalis, and A. Alcaide "Quality Management in the Operations of Barbara's Heritage Restaurant in Intramuros, Manila." p. 131
- C. A. Dilag, J. A. Maray, and E. M. Ronquillo "Sanitation Practices of Max's Restaurant at SM Calamba City." p. 131
- R. B. Tisalona, M. J. Olila, and J. A. Arellano "An Evaluation of Promotional Tools Used by Cabalen in Alabang Town Center." p. 132
- A. Franco, L. Talabis, and J. M. Sarmiento "A Study of Customer Service Satisfaction of Snaps Sports Bar in Sofitel Philippine Plaza." p. 132
- M. N. Fuentes, D. C. Ramilo, and X. R. Garcia "Customer Satisfaction of Eastwood Café in Richmonde Hotel, Libis, Quezon City." p. 133
- S. Glodoveza, M. A. Sacluti, and D. A. Dee "The Environmental Practices of Sequoia Hotel Quezon City in Housekeeping Department." p. 133
- E. Gamilla, R. R. Gulay, and J. R. Maligalig "The Customer Service Quality of Bistro Halaan Bar and Restaurant in Halang, Calamba City, Laguna." p. 134

R. Lacap, C. Manalang, and J. C. Maranan "Sanitation Practices of Jerico's Bakeshop in Grove, Los Baños, Laguna." p. 134

A. Herrera, J. Lacambra, and M. E. Lebrilla "Competency Assessment of Hotel and Restaurant Management Graduates of Letran Calamba as Inputs to Program Educational Objectives Review and Enhancement." p. 135

C. Manumbas and J. P. Sta. Ana "The On-the-Job Training Experience: Bachelor of Science in Hotel and Restaurant Management Practicum II Summer of A.Y. 2012-2013." p. 136

J. Miranda, N. Espinosa, and A. Javier "Service Culture: A Look into the Manor's Symbolic Dimension." p. 136

S. M. Napuli, N. N. Velasco, and J. Bonifacio "A Comparative Study of Continued Survival on Selected Pioneer Restaurants in Calamba City." p. 137

I. Punzalan, D. Z. Vergara, and C. J. Hizon "Banquet Management Practices of Technopark Hotel." p. 138

K. M. Ramirez, A. R. Solivet, and R. Calinog "The Evaluation of Food Safety and Sanitation Practices of The Spice Jar Food Hub." p. 138

R. Simon, R. L. Bautista, and A. Umandal "The Heart of Service Encounter of Millie's Restaurant in Sto. Tomas Batangas." p. 139

P. S. Tiongco, R. A. Cueno, and V. C. Cruz "Meal Management Practices in Elsie Gaches Orphanage in Alabang, Muntinlupa City, Metro Manila." p. 139

A. J. Rivera, I. M. Taule, and J. Sabalboro "Solid Waste Management: Waste Disposal, Collection, and Removal in F1 Hotel Manila." p. 140

J. Malihan, N. Samson, and K. R. Bagcus "Brigada of Microtel by Wyndham, Sto. Tomas, Batangas." p. 140

J. M. Cabrega and J. M. Calma "An Analysis of the Waste Disposal Practices of Crisostomo Restaurant in Solenad I, Nuvali, Sta. Rosa, Laguna." p. 142

J. M. Vasquez, A. M. Calida, and M. L. Palmares "The Current Solid Waste Management Practices of Carlos John Resort in Barangay Soledad, San Pablo City, Laguna." p. 142

J. A. Vidal and L. C. Umandap "Green Practices in Kitchen Management of Leslie's Terrace, Garden and Restaurant." p. 143