



I.6. Opportunities for participation in hands-on activities such as immersion/practical training and field study are maintained in the curriculum.

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**SURIGAO STATE COLLEGE OF TECHNOLOGY**  
Surigao City  
**Summer OJT 2022**

**Bachelor of Science in Electrical Engineering -BSEE**

	NAME OF STUDENT	NAME OF INDUSTRY	ADDRESS
1	Ariar, Lester D.	SSCT Main Campus	Narciso St., Surigao City
2	Abarca, Glanestly P.	SSCT Main Campus	Narciso St., Surigao City
3	Buhangin, Raffy D.	SSCT Main Campus	Narciso St., Surigao City
4	Baron, Gloremie J.	SSCT Main Campus	Narciso St., Surigao City
5	Celmar, Gemmar D.	CJMR Total Solution Corporation	Metroville Subdivision, Maa, Davao City
6	Coles, Xerxes M.	SSCT Main Campus	Narciso St., Surigao City
7	Cala, Jivson P.	BLE Technologies, Sales & Services	1620 Hernan Cortes St., Banilad, Mandaue
8	Enderes, Wenifredo C.	SSCT Main Campus	Narciso St., Surigao City
9	Galera, Rufnel N.	Caraga Regional Hospital	Rizal St., Surigao City
10	Lamanilao, Nexon G.	SSCT Main Campus	Narciso St., Surigao City
11	Mozar, Mariel O.	CMA Geoconstruct Engineering Consultancy	Brgy. San Juan, Surigao City
12	Mondano, Alvin Jr. C.	SSCT Main Campus	Narciso St., Surigao City
13	Mosenabre, Clint E.	SSCT Main Campus	Narciso St., Surigao City
14	Pareja, Relvic B.	SSCT Main Campus	Narciso St., Surigao City
15	Salubre, Ace C.	SSCT Main Campus	Narciso St., Surigao City
16	Sandoval, Raven Ken P.	SURNECO, Inc.	Espina Ext., Brgy. Taft, Surigao City
17	Tisang, Zeo G.	Caraga Regional Hospital	Rizal St., Surigao City

Prepared by: \_\_\_\_\_





# SURIGAO STATE COLLEGE OF TECHNOLOGY


Surigao City

Summer OJT 2021

## Bachelor of Science in Electrical Engineering -BSEE

	NAME OF STUDENT	NAME OF INDUSTRY	ADDRESS
1	ABAPO, Reymart L.	SSCT Main Campus	Narciso St., Surigao City
2	ACQUIATAN, Franc Jerald A.	SSCT Main Campus	Narciso St., Surigao City
3	ALCESO, John Ivan S.	SSCT Main Campus	Narciso St., Surigao City
4	ALOYON, Delf Enriq E.	SSCT Main Campus	Narciso St., Surigao City
5	AMADO, Russel S.	SSCT Main Campus	Narciso St., Surigao City
6	ARLAN, Marc Francis A.	SSCT Main Campus	Narciso St., Surigao City
7	BAGOTSAY, JR., Rogelio Jr. A.	SSCT Main Campus	Narciso St., Surigao City
8	BAGUINAON, Luzyl M.	SSCT Main Campus	Narciso St., Surigao City
9	BALBERIA, Ma. Buena Gracia P.	SSCT Main Campus	Narciso St., Surigao City
10	BANGCOYO, Lord John Kevin .	SSCT Main Campus	Narciso St., Surigao City
11	BANTIGUE, John Mark T.	SSCT Main Campus	Narciso St., Surigao City
12	BECERRO, Jonard R.	SSCT Main Campus	Narciso St., Surigao City
13	BESAS, Jemaelyn Rose E.	SSCT Main Campus	Narciso St., Surigao City
14	BONOSTRO, El Jorge A.	SSCT Main Campus	Narciso St., Surigao City
15	CANTOJOS, Rochel G.	SSCT Main Campus	Narciso St., Surigao City
16	COQUILLA, Stephane Grace D.	SSCT Main Campus	Narciso St., Surigao City
17	CORTES, Patrick G.	SSCT Main Campus	Narciso St., Surigao City
18	CUTAMORA, Jeorgie G.	SSCT Main Campus	Narciso St., Surigao City
19	DAGOHOY, Marc Dave V.	SSCT Main Campus	Narciso St., Surigao City
20	EDER, Eldo S.	SSCT Main Campus	Narciso St., Surigao City
21	ENALE, John Paul L.	SSCT Main Campus	Narciso St., Surigao City
22	GALEON, Emelie L.	SSCT Main Campus	Narciso St., Surigao City
23	HINGPIT, Syrose Rex B.	SSCT Main Campus	Narciso St., Surigao City
24	JAMERA, Dhevin Triz G.	SSCT Main Campus	Narciso St., Surigao City
25	LABONG, Jaymar P.	SSCT Main Campus	Narciso St., Surigao City
26	LAZARTE, James Wilsid G.	SSCT Main Campus	Narciso St., Surigao City
27	LICAYAN, Joshua B.	SSCT Main Campus	Narciso St., Surigao City
28	MADELO, Menchie Rose P.	SSCT Main Campus	Narciso St., Surigao City
29	MAG-USARA, Dinmark A.	SSCT Main Campus	Narciso St., Surigao City
30	MALACAY, Jerick P.	SSCT Main Campus	Narciso St., Surigao City
31	MANLIMOS, Josiah Shem C.	SSCT Main Campus	Narciso St., Surigao City
32	MANLIMOS, Ramil John N.	SSCT Main Campus	Narciso St., Surigao City
33	MERCADO, Dilmar E.	SSCT Main Campus	Narciso St., Surigao City
34	NAVARRO, Kessah Jean B.	SSCT Main Campus	Narciso St., Surigao City
35	OCAT, Sonny Boy Jr. C.	SSCT Main Campus	Narciso St., Surigao City
36	OLARIO, Precyl John P.	SSCT Main Campus	Narciso St., Surigao City
37	OLVIS, Jovany M.	SSCT Main Campus	Narciso St., Surigao City
38	ORCULLO, Reiolvi S.	SSCT Main Campus	Narciso St., Surigao City
39	PEJER, Lowie L.	SSCT Main Campus	Narciso St., Surigao City
40	QUINALAGAN, Hannie Bert D.	SSCT Main Campus	Narciso St., Surigao City
41	REYES, Jou-Jemar C.	SSCT Main Campus	Narciso St., Surigao City
42	RIVAS, Braingelourse L.	SSCT Main Campus	Narciso St., Surigao City
43	ROJO, Klent Joseph N.	SSCT Main Campus	Narciso St., Surigao City
44	SABALDE, Christian G.	SSCT Main Campus	Narciso St., Surigao City

45	SEROY, Ace Arnold C.	SSCT Main Campus	Narciso St., Surigao City
46	SILVOSA, Almer R.	SSCT Main Campus	Narciso St., Surigao City
47	SULAPAS, Jesson P.	SSCT Main Campus	Narciso St., Surigao City
48	TAMPIPI, Khey Sheenamae E.	SSCT Main Campus	Narciso St., Surigao City
49	TANDAN, Leevan Joey U.	SSCT Main Campus	Narciso St., Surigao City
50	TISANG, Zeo G.	SSCT Main Campus	Narciso St., Surigao City
51	VIRTUDAZO, Miguelito Jr. A.	SSCT Main Campus	Narciso St., Surigao City
52	WENCESLAO, Sweethy M.	SSCT Main Campus	Narciso St., Surigao City
53	YBAÑEZ, Resty Z.	SSCT Main Campus	Narciso St., Surigao City

Prepared by:  \_\_\_\_\_





**SURIGAO STATE COLLEGE OF TECHNOLOGY**  
Surigao City  
**Summer OJT 2020**

**Bachelor of Science in Electrical Engineering -BSEE**

	NAME OF STUDENT	NAME OF INDUSTRY	ADDRESS
1	ALSONG, Gen Walker O.	SSCT Main Campus	Narciso St., Surigao City
2	BALAEZ, Catherine A.	SSCT Main Campus	Narciso St., Surigao City
3	BALLENA, Billy G.	SSCT Main Campus	Narciso St., Surigao City
4	BORJA, Geno U.	SSCT Main Campus	Narciso St., Surigao City
5	CABAÑERO, Maverick E.	SSCT Main Campus	Narciso St., Surigao City
6	CASTRO, Ariane .	SSCT Main Campus	Narciso St., Surigao City
7	CEMPRON, Shiela Mae M.	SSCT Main Campus	Narciso St., Surigao City
8	ELAN, Edgar Darren E.	SSCT Main Campus	Narciso St., Surigao City
9	ESCALADA, Rxdelle G.	SSCT Main Campus	Narciso St., Surigao City
10	ESCALANTE, Rick Daniel B.	SSCT Main Campus	Narciso St., Surigao City
11	HINAYON, Felix L.	SSCT Main Campus	Narciso St., Surigao City
12	JOSOL, Glyzze Zynn A.	SSCT Main Campus	Narciso St., Surigao City
13	LIM, Janper L.	SSCT Main Campus	Narciso St., Surigao City
14	MADRID, Mark Francis M.	SSCT Main Campus	Narciso St., Surigao City
15	MANONGAS, Ronald M.	SSCT Main Campus	Narciso St., Surigao City
16	MATURAN, Ermelito C.	SSCT Main Campus	Narciso St., Surigao City
17	MELLINA, Mart Kim A.	SSCT Main Campus	Narciso St., Surigao City
18	MOLINA, Jenrald Joeever C.	SSCT Main Campus	Narciso St., Surigao City
19	MORALES, Kent C.	SSCT Main Campus	Narciso St., Surigao City
20	PA-AS, Jenel C.	SSCT Main Campus	Narciso St., Surigao City
21	PEJAN, Kristofferson M.	SSCT Main Campus	Narciso St., Surigao City
22	POBE, Frenznicfen Frank P.	SSCT Main Campus	Narciso St., Surigao City
23	QUICO, John Mark .	SSCT Main Campus	Narciso St., Surigao City
24	SAJOR, Wellie S.	SSCT Main Campus	Narciso St., Surigao City
25	SUMARCA, Liobert L.	SSCT Main Campus	Narciso St., Surigao City
26	TIMTIM, Jast D.	SSCT Main Campus	Narciso St., Surigao City
27	TOYOGON, Angelica L.	SSCT Main Campus	Narciso St., Surigao City
28	YACAP, Ranjonelle A.	SSCT Main Campus	Narciso St., Surigao City

Prepared by: \_\_\_\_\_



**SURIGAO STATE COLLEGE OF TECHNOLOGY**  
Surigao City  
Summer OJT 2019

**Bachelor of Science in Electrical Engineering -BSEE**

	NAME OF STUDENT	NAME OF INDUSTRY	ADDRESS
1	ASUMEN, Gabriel G.	SSCT - Building State Office	SSCT - Main Campus
2	BENEDICTO, Darriel C.	SSCT - Building State Office	SSCT - Main Campus
3	BOC, June Daryl G.	Surneco, Inc.	Espina St., Surigao City
4	BONILLA, Inez Erel B.	Bohol I Electric Cooperative, Inc. (BOHECO I)	Tagbilaran North Road, Tubigon, Bohol
5	CANIBEL, Roeld M.	Bohol I Electric Cooperative, Inc. (BOHECO I)	Tagbilaran North Road, Tubigon, Bohol
6	CARIAGA, Darwin L.	SSCT - Building State Office	SSCT - Main Campus
7	DE GUZMAN, Nico-Lloyd F.	Bohol I Electric Cooperative, Inc. (BOHECO I)	Tagbilaran North Road, Tubigon, Bohol
8	DELA SERNA, Bryan M.	Surneco, Inc.	Espina St., Surigao City
9	ECOBEN, Alnielen Niña D.	Mines and Geosciences Bureau	Km. 1 National Highway, Surigao City
10	ELANO, Emman Carl E.	Bohol I Electric Cooperative, Inc. (BOHECO I)	Tagbilaran North Road, Tubigon, Bohol
11	GALLARDO, Christian Niel L.	Bohol I Electric Cooperative, Inc. (BOHECO I)	Tagbilaran North Road, Tubigon, Bohol
12	JAMERO, Francis V.	SSCT - Building State Office	SSCT - Main Campus
13	LABARETE, Mary-Ann S.	Mines and Geosciences Bureau	Km. 1 National Highway, Surigao City
14	LOBETAÑA, Jessie B.	Surneco, Inc.	Espina St., Surigao City
15	OCAMPO, Junrymar B.	Bohol I Electric Cooperative, Inc. (BOHECO I)	Tagbilaran North Road, Tubigon, Bohol
16	PALEN, Junnel P.	Surneco, Inc.	Espina St., Surigao City
17	RIVERO, Carlo Joy A.	SSCT - Building State Office	SSCT - Main Campus
18	ROCOLCOL, Mike S.	SSCT - Building State Office	SSCT - Main Campus
19	SANCHEZ, Raul Carlo R.	Bohol I Electric Cooperative, Inc. (BOHECO I)	Tagbilaran North Road, Tubigon, Bohol
20	TAN, Jeven Carlo R.	BP Industrial Supplies and Services Inc.	Masilakon 2, Lugait, Misamis Oriental
21	TASIL, Hector M.	Surneco, Inc.	Espina St., Surigao City
22	TRAJANO, Charneil Jan	Surneco, Inc.	Espina St., Surigao City

Prepared by: \_\_\_\_\_





Prepared by:

MONALEE A. DELA CERNA  
Associate Professor III



Prepared by:

MONALEE A. DELA CERNA  
Associate Professor III



**MEMORANDUM OF AGREEMENT  
for On-the-Job Student Trainees**

This Memorandum of Agreement is made and entered into by and between:

The **BP INDUSTRIAL SUPPLIES & SERVICES, INC.**, a private company registered under \_\_\_\_\_ with office address at Sangi Road, Lapu-Lapu City, Cebu, represented herein by **ENGR. VAL P. PINAT, PME**, President, who is duly authorized to represent it in this transaction, herein referred to as the **COMPANY**.

and

The **SURIGAO STATE COLLEGE OF TECHNOLOGY** an educational institution, with office address at Narciso Street, Surigao City, herein represented by **DR. GREGORIO Z. GAMBOA, JR.**, College President, who is duly authorized to represent it in this transaction, hereinafter referred to as the **COLLEGE**.

**WITNESSETH:** That

**WHEREAS**, the **COMPANY** agrees to accept students of **SSCT** as trainees in its various facilities in support of the on-the-job training program of the **COLLEGE**;

**WHEREAS**, the **COLLEGE**, with the object of forging Industry-Academe Linkage to complement existing curricula to match industry demand, agrees to endorse their students and provide participants in the said program to be trained in the **COMPANY**.

**NOW, THEREFORE**, for and in consideration of the foregoing premises, the **COMPANY** and the **COLLEGE** do hereby agree to stipulate the following:

**A. The COMPANY shall:**

1. Assign personnel who will serve as guides to the student-trainees. The student-trainees will be assigned practical and related works along their area of specialization.
2. Accommodate the student-trainees for a period of (2) months from June 2019 to July 2019 unless extended upon agreement of the **COMPANY** and the **COLLEGE**;

NAME	COURSE
1. JEVEN CARLO R. TAN	BSEE - Electrical

3. The Company **MAY** provide the following:

In case of accident:

- Free first aid treatment, medicines & service from \_\_\_\_\_ (First-aiders, Nurse and Physician) including free transportation towards the hospital in case of emergency/ serious injury.
4. Provide General Orientation Program (GOP) to the student-trainees regarding Company Background and Profile, Organizational Structure, Rules & Regulations, Code of Discipline and Conduct, Safety Training, 5S Orientation, On-the-Job Training Terms & Conditions and other topics needed by the student-trainee to comply with company standards.
  5. Conduct section trainings and involve the student-trainees in activities and tasks to develop their knowledge, skills, and attitude and creative abilities to become professionals in their field of endeavor.
  6. Provide evaluation scheme to gauge the training performance of the student-trainee.

7. Enforce rules that will govern the conduct of the Program in their premises. The said rules shall include sanctions and monetary deductions for cases of material and monetary losses on the part of the COMPANY. Furthermore, the COMPANY shall be allowed to penalize student-trainees for violations of rules and regulations. These shall be made known to the COLLEGE and student-trainees before the start of the training.

**B. The COLLEGE shall:**

1. Recommend highly qualified and competent student-trainees who will undergo the exposure program taking into consideration the requirements of the COMPANY in terms of qualification and number of students.
2. Agree to send its student-trainees listed below to the COMPANY with Biodata/ Resume, Endorsement Letter (coming from the College), Parent's Waiver, Medical Exam Result (with fit to work result) and Police/Barangay Clearance (with no derogatory remarks), for On-the-Job Training.
3. Designate a Program Coordinator who will be assigned with the following responsibilities:
  - a. Initial orientation of the student about the rules, proper attitudes and behavior inside the job-site, particularly towards his works and his co-employees;
  - b. Formulation of supervised training plan in cooperation with the COMPANY;
  - c. Monitor attendance activities, and performance of students during the exposure program;
4. Submit to the COMPANY whatever documents required under the program;
5. Together with the parents/guardian concerned, the COLLEGE and the individual student renounce and waive any claim against the COMPANY for any injury that the student-trainees may sustain or loss that they might suffer, personal or pecuniary, arising from the negligence in the performance of their duties and functions while under training. The waivers of the student-trainees and their respective parents/guardians shall indemnify the COMPANY from additional payment, fines and damages incurred by the student-trainees outside the accident insurance policy provided for by the company and that the COMPANY shall be free and blameless from any accident, negligence, loss or damage to COMPANY, which is attributable to the student-trainees. The waiver shall be submitted to the COMPANY prior to the commencement of the training.
6. Hold the COMPANY free and harmless from any suits whatsoever in connection with this memorandum.
7. Accede to the obligations of confidentiality set out in details as follows:
  - a. All technical or commercial information, e.g., concerning the business of the COMPANY disclosed or to be disclosed to the COLLEGE by or in behalf of the COMPANY in connection with this agreement will be received and held in confidence by the COLLEGE and the student concerned unless and until the COMPANY gives written approval for release of confidentiality;
  - b. The COLLEGE will take all reasonable necessary steps to prevent disclosure of the technical or commercial information and other matters and drawings or other materials, to others and will not disclose the same to others without prior written consent of the COMPANY.

**C. Under this Memorandum of Agreement the following terms and conditions are likewise included:**

1. There will be no employer-employee relationship between COMPANY and the student-trainees of the COLLEGE.



2. The student-trainees training schedule will be from \_\_\_\_\_ to \_\_\_\_\_ on Monday to Saturday or \_\_\_\_\_ am to \_\_\_\_\_ pm Monday to Friday for compressed workweek. However, they are allowed to extend time per day should there be a need for them to finish their OJT task. They may also be assigned on Day/Night Shift if the training necessitates such as training on the actual installation of the machine, etc.
3. The student-trainees will be personally responsible for any and all liabilities for damage to property or to injury to third persons which may be occasioned by their intentional or negligent acts in the course of the training and said monetary damages, shall be deducted from the trainees' training allowance or subsidy;
4. The student-trainees should avoid having personal relations to any of their co-trainee and to do public display of affection;
5. The student-trainees and the COLLEGE shall abide by the rules and regulations of the COMPANY and comply with those imposed for the program, otherwise, they shall be excluded from further participation;
6. The COMPANY reserves the right to discontinue the training of any student-trainee on reasonable grounds upon a receipt of a fifteen (15)-day written notice to the COLLEGE;
7. The COLLEGE may pull out any student-trainee from the COMPANY on reasonable grounds after a receipt of a fifteen (15)-day written notice about such pull-out.
8. Confidentiality and Intellectual Property Rights
  - 8.1 During the duration of the training and thereafter student-trainees must not (other than in the proper course of their duties or as may be required by law):
    - divulge or disclose to any other person or corporation, without the prior written consent of the COLLEGE, any confidential information relating to the COLLEGE or a related or associated corporation or its supplier or customer or each of their respective businesses or any trade secrets of which the student-trainees may become possessed while employed by the COMPANY or prior thereto;
    - use or attempt to use any such confidential information in any manner which may cause or be calculated to cause injury or loss to the COMPANY or a related or associated corporation, or a supplier or customer or any of them;

During the training, student-trainees must use their best endeavors to prevent the unauthorized disclose of any such confidential information by third parties. This restriction will cease to apply to information or knowledge that may come into the public domain.

All designs, slogans, policies, manufacturing techniques, programs or devices relating to the business of the COMPANY or its associated corporation which are discovered, invented, improved or developed by the student-trainees during the course of the training (whether during regular business hours or otherwise) will be the property of the COMPANY whether conceived or developed by the student-trainee solely or jointly with others and the student-trainees must execute any document and do all things as may be required by the COMPANY to or assign the use of such property to the COMPANY provided the COMPANY will bear all costs and expenses related thereto.

9. This agreement shall take effect and in force for the duration of the training and shall continue thereafter, provided, however, that any provision of this Agreement may be amended by after a fifteen (15)-day written notice and consent by both parties, herein and provided further that the COMPANY or the COLLEGE reserves the right to withdraw its participation in the Agreement upon a thirty (30)-day written notice.

IN WITNESS WHEREOF, the parties hereto have signed these presences on this \_\_\_\_\_ in \_\_\_\_\_, Philippines.


**BP INDUSTRIAL SUPPLIES &  
SERVICES, INC.**

**SURIGAO STATE COLLEGE OF TECHNOLOGY**


BY:

  
**ENGR. VAL P. PINAT, PME**  
President

BY:

  
**GREGORIO Z. GAMBOA JR., Ed. D.**  
College President

SIGNED IN THE PRESENCE OF:

  
**GEOVANNIE C. CAGULA**  
HR Specialist

  
**ROMEL C. DE LA CRUZ, PhEdD**  
Placement Coordinator



ACKNOWLEDGEMENT

REPUBLIC OF THE PHILIPPINES  
PROVINCE OF SURIGAO DEL NORTE  
SURIGAO CITY } s.s.


BEFORE ME, A notary public for and in the cities and province of Surigao del Norte, Surigao City, this \_\_\_\_\_ day of AUG 22 2019, personally appeared the following with their Community Tax Certificate No., to wit:

1. DR. GREGORIO Z. GAMBOA, JR. Valid ID SCHOOL No. 20160001  
2. ENGR. VAL P. PINAT, PME Valid ID PRC No. 0004728

Known to me to be the same persons who executed the foregoing Memorandum of Agreement, consisting of five (5) pages including this page on which this acknowledgement is written, and they acknowledged to me that the same is their own free and voluntary act and deed.

WITNESS MY HAND AND NOTARIAL SEAL ON THE DATE AND IN THE PLACE FIRST HEREIN ABOVE WRITTEN.

Doc. No. 7843  
Page No. 209  
Book No. IV  
Series No. 2019

  
ATTY. ALFREDO G. CORO  
NOTARY PUBLIC  
UNTIL DEC. 31, 2020  
PTR No. 0573704 / 4671323  
LPR No. 059012 / NOV. 15, 2018  
ROLL No. 23589 / IN No. 122-868/426  
SURIGAO DEL NORTE SURIGAO CITY  
MCLE No. VI-0000128

**MEMORANDUM OF AGREEMENT  
for On-the-Job Student Trainees**

This Memorandum of Agreement is made and entered into by and between:

The **SURIGAO DEL NORTE ELECTRIC COOPERATIVE, INC. - SURNECO**, a public entity, with office address at Espina St., Surigao City represented herein by **ENGR. NARCISO I. CALIAO, JR.**, General Manager, who is duly authorized to represent it in this transaction, herein referred to as the **COMPANY**.

and

The **SURIGAO STATE COLLEGE OF TECHNOLOGY** an educational institution, with office address at Narciso Street, Surigao City herein represented by **DR. GREGORIO Z. GAMBOA, JR.**, College President, who is duly authorized to represent it in this transaction, hereinafter referred to as the **COLLEGE**.

**WITNESSETH:** That

**WHEREAS**, the **COMPANY** agrees to accept students of SSCT as trainees in its various facilities in support of the on-the-job training program of the **COLLEGE**;

**WHEREAS**, the **COLLEGE**, with the object of forging Industry-Academe Linkage to complement existing curricula to match industry demand, agrees to endorse their students and provide participants in the said program to be trained in the **COMPANY**.

**NOW, THEREFORE**, for and in consideration of the foregoing premises, the **COMPANY** and the **COLLEGE** do hereby agree to stipulate the following:

**A. The COMPANY shall:**

1. a) Formulate and provide a training plan that includes the contents of the training proper, the schedule and the activities for each phase for the student-trainees in cooperation with the concerned Department of the College; and  
  
b) Execute the training plan in accordance with the agreed training period.
2. Assign personnel who will serve as guides to the student-trainees. The student-trainees will be assigned practical and related works along their area of specialization.
3. May conduct exam to determine the training development of the student as of whatever assessment appropriate to the company policy.
4. Accommodate the student-trainee for a period of (2) months from June 2019 to July 2019 unless extended upon agreement of the **COMPANY** and the **COLLEGE**;

NAME	COURSE
1. JUNE DARYL G. BOC	BSEE – Electrical Engineering
2. CHARNEIL JAN TRAJANO	BSEE – Electrical Engineering
3. JUNNEL P. PALEN	BSEE – Electrical Engineering

5. In case of accident:
  - Free first aid treatment, medicines including free transportation towards the hospital in case of emergency serious injury.
6. Provide General Orientation Program (GOP) to the student-trainees regarding Company Background and Profile, Organizational Structure, Rules & Regulations, Code of Discipline and Conduct, Safety Training, 5S Orientation, On-the-Job Training Terms & Conditions and other topics needed by the student-trainee to comply with company standards.
7. Conduct section trainings and involve the student-trainees in activities and tasks to develop their knowledge, skills, and attitude and creative abilities to become professionals in their field of endeavor.

8. Provide evaluation scheme to gauge the training performance of the student-trainee.
9. Enforce rules that will govern the conduct of the Program in their premises. The said rules shall include sanctions and monetary deductions for cases of material and monetary losses on the part of the COMPANY. Furthermore, the COMPANY shall be allowed to penalize student-trainees for violations of rules and regulations. These shall be made known to the COLLEGE and student-trainees before the start of the training.

**B. The COLLEGE shall:**

1. Recommend highly qualified and competent student-trainees who will undergo the exposure program taking into consideration the requirements of the COMPANY in terms of qualification and number of students.
2. Agree to send its student-trainees listed below to the COMPANY with Biodata/ Resume, Endorsement Letter (coming from the College), Parent's Waiver, Medical Exam Result (with fit to work result) and Police/Barangay Clearance (with no derogatory remarks), for On-the-Job Training.
3. Designate a Program Coordinator who will be assigned with the following responsibilities:
  - a. Initial orientation of the student about the rules, proper attitudes and behavior inside the job-site, particularly towards his works and his co-employees;
  - b. Formulation of supervised training plan in cooperation with the COMPANY;
  - c. Monitor attendance activities, and performance of students during the exposure program;
4. Submit to the COMPANY whatever documents required under the program;
5. Together with the parents/guardian concerned, the COLLEGE and the individual student renounce and waive any claim against the COMPANY for any injury that the student-trainees may sustain or loss that they might suffer, personal or pecuniary, arising from the negligence in the performance of their duties and functions while under training. The waivers of the student-trainees and their respective parents/guardians shall indemnify the COMPANY from additional payment, fines and damages incurred by the student-trainees outside the accident insurance policy provided for by the company and that the COMPANY shall be free and blameless from any accident, negligence, loss or damage to COMPANY, which is attributable to the student-trainees. The waiver shall be submitted to the COMPANY prior to the commencement of the training.
6. Hold the COMPANY free and harmless from any suits whatsoever in connection with this memorandum.
7. Accede to the obligations of confidentiality set out in details as follows:
  - a. All technical or commercial information, e.g., concerning the business of the COMPANY disclosed or to be disclosed to the COLLEGE by or in behalf of the COMPANY in connection with this agreement will be received and held in confidence by the COLLEGE and the student concerned unless and until the COMPANY gives written approval for release of confidentiality;
  - b. The COLLEGE will take all reasonable necessary steps to prevent disclosure of the technical or commercial information and other matters and drawings or other materials, to others and will not disclose the same to others without prior written consent of the COMPANY.

**C. Under this Memorandum of Agreement the following terms and conditions are likewise included:**

1. There will be no employer-employee relationship between COMPANY and the student-trainees of the COLLEGE;
2. The student-trainees training schedule will be from \_\_\_\_\_ to \_\_\_\_\_ on Monday to Saturday or \_\_\_\_\_am to \_\_\_\_\_pm Monday to Friday for compressed workweek. However, they are allowed to extend time per day should there be a need for them to finish their OJT task. They may also be assigned on Day/Night Shift if the training necessitates such as training on the actual installation of the machine, etc.
3. The student-trainees will be personally responsible for any and all liabilities for damage to property or to injury to third persons which may be occasioned by their intentional or negligent acts in the course of the training and said monetary damages, shall be deducted from the trainees' training allowance or subsidy;



4. The student-trainees should avoid having personal relations to any of their co-trainee or TPC associate and to do public display of affection;
5. The student-trainees and the COLLEGE shall abide by the rules and regulations of the COMPANY and comply with those imposed for the program, otherwise, they shall be excluded from further participation;
6. The COMPANY reserves the right to discontinue the training of any student-trainee on reasonable grounds upon a receipt of a fifteen (15)-day written notice to the COLLEGE;
7. The COLLEGE may pull out any student-trainee from the COMPANY on reasonable grounds after a receipt of a fifteen (15)-day written notice about such pull-out.

8. Confidentiality and Intellectual Property Rights

8.1 During the duration of the training and thereafter student-trainees must not (other than in the proper course of their duties or as may be required by law):

divulge or disclose to any other person or corporation, without the prior written consent of the COLLEGE, any confidential information relating to the COLLEGE or a related or associated corporation or its supplier or customer or each of their respective businesses or any trade secrets of which the student-trainees may become possessed while employed by the COMPANY or prior thereto;

use or attempt to use any such confidential information in any manner which may cause or be calculated to cause injury or loss to the COMPANY or a related or associated corporation, or a supplier or customer or any of them;

During the training, student-trainees must use their best endeavors to prevent the unauthorized disclose of any such confidential information by third parties. This restriction will cease to apply to information or knowledge that may come into the public domain.

All designs, slogans, policies, manufacturing techniques, programs or devices relating to the business of the COMPANY or its associated corporation which are discovered, invented, improved or developed by the student-trainees during the course of the training (whether during regular business hours or otherwise) will be the property of the COMPANY whether conceived or developed by the student-trainee solely or jointly with others and the student-trainees must execute any document and do all things as may be required by the COMPANY to or assign the use of such property to the COMPANY provided the COMPANY will bear all costs and expenses related thereto.

9. This agreement shall take effect and in force for the duration of the training and shall continue thereafter, provided, however, that any provision of this Agreement may be amended by after a fifteen (15)-day written notice and consent by both parties, herein and provided further that the COMPANY or the COLLEGE reserves the right to withdraw its participation in the Agreement upon a thirty (30)-day written notice.

IN WITNESS WHEREOF, the parties hereto have signed these presences on this June 20, 2019 in \_\_\_\_\_, Philippines.


**SURNECO, INC.**

**SURIGAO STATE COLLEGE OF TECHNOLOGY**

BY:


BY:

  
**ENGR. NARCISO I. CALIAO, JR.**  
General Manager

  
**GREGORIO Z. GAMBOA JR., Ed. D.**  
College President

SIGNED IN THE PRESENCE OF:

  
**Marcelina C. Coniate, MBA**

  
**ROMEL C. DE LA CRUZ, PhEdD**  
Placement Coordinator

ACKNOWLEDGEMENT

REPUBLIC OF THE PHILIPPINES  
SURIGAO CITY

} s.s.

BEFORE ME, A notary public for and in the cities and province of Surigao del Norte, this  
day of JUN, personally appeared the following with their Community Tax  
Certificate No., to wit:

1. DR. GREGORIO Z. GAMBOA, JR.

Valid ID SCHOOL No. 20160001


2. ENGR. NARCISO I. CALIAO, JR.

Valid ID Driver's License No. 107-95-011370

Known to me to be the same persons who executed the foregoing Memorandum of Agreement,  
consisting of four (4) pages including this page on which this acknowledgement is written, and they  
acknowledged to me that the same is their own free and voluntary act and deed.

WITNESS MY HAND AND NOTARIAL SEAL ON THE DATE AND IN THE PLACE FIRST  
HEREIN ABOVE WRITTEN.

Doc. No. 2985  
Page No. 543  
Book No. 11  
Series No. 7019

  
ATTY. ALFREDO G. CORO  
NOTARY PUBLIC  
UNTIL DEC. 31, 2020  
PTR No. 057304 / 4671822  
IBP No. 05482 / NOV. 15, 2018  
ROLL No. 23888 INN No. 122-858-47  
SURIGAO DEL NORTE SURIGAO CITY  
MCLE No. VI-0000120



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Republic of the Philippines  
**SURIGAO STATE COLLEGE OF TECHNOLOGY**  
Narciso Street, Surigao City



CERTIFICATE NUMBER: AJA19-0225

A Narrative Report in  
On-The-Job-Training Undertaken at Engineering Department 206  
in Surigao State College of Technology  
Located at Narciso St., Surigao City

Presented to the Placement Office  
Surigao State College of Technology  
Narciso St. 8400, Surigao City

In Fulfillment of the Requirements of the Degree of  
Bachelor of Science in Electrical Engineering

Submitted by:  
**DINMARK A. MAG-USARA**  
BSEE – 3B

Submitted to:  
**DR. RHODA MAY B. MACALAM**  
Placement Coordinator

Summer Class 2021





"For Nation's Greater Heights"


## SURIGAO STATE COLLEGE OF TECHNOLOGY

Document Code No.	FM-SSCT-PLM-001
Revision No.	00
Effective Date	20 September 2018
Page No.	1 of 1

### COLLEGE OF ENGINEERING & INFORMATION TECHNOLOGY

#### ENDORSEMENT

This is to endorse DINMARK A. MAG-USARA, a bonafide student of Surigao State College of Technology under the BSEE program to undergo **On-the-Training** (OJT) of 240 hours after having been evaluated by the Program Chair to be compliant of the mandatory academic requirements set by the college.

  
**ENGR. ROBERT R. BACARRO, MECE, MBA**  
Dean, College of Engineering & Information Technology


---

#### CERTIFICATION

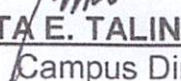
To whom this may concern:

This is to certify that DINMARK A. MAG-USARA a third year BSEE student to undergo the 240 hours **On-the-Job Training** (OJT), this summer A.Y. 2020-2021 in partial fulfillment of the requirements for the degree of BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING.

This certificate is given on June 29, 2021 for whatever purposes this may serve him/her.

  
**RHODA MAY B. MACALAM, DBA**  
Placement Coordinator

Noted By:

  
**RONITA E. TALINGTING, PhD**  
Campus Director



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Republic of the Philippines  
**SURIGAO STATE COLLEGE OF TECHNOLOGY**  
Narciso Street, Surigao City



CERTIFICATE NUMBER: AJA19-0225

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Narciso Street, Surigao City



CERTIFICATE NUMBER: AJA19-0225

## INTRODUCTION

On-the-job training, is one way for students to put their theories and computations gained in school into reality. It also helps students develop relevant knowledge and abilities by allowing them to practice in a real-world setting. Colleges and universities require their students to partake in such training for a specific number of hours as part of their curriculum.

An on-the-job training (OJT) or internship program allows students to learn the actual procedures of a job while utilizing real tools, equipment, and materials. In this way, a student trainee's job becomes a learning environment where he can learn more about his chosen subject and apply what he's learned in school.

Employers can utilize this internship strategy to acquire additional employees. Because the trainer or supervisor can track the trainee's progress, he may decide whether the trainee will be a good hire after his internship is completed based on his performance, demeanor, and attitude.

OJTs may bring new ideas into the organization. OJTs may bring new ideas into the organization. If they are given the opportunity to speak their minds openly and without fear, they may be able to significantly contribute to brainstorming sessions or research, so increasing the productivity of the business. While interns are being trained, employers are actually teaching their employees. While interns are being trained, employers are actually teaching their employees. Mentoring the trainees puts their patience to the test, enhances their teaching skills, and makes them more aware of the demands and mindset of the younger generation. They learn how to convey their knowledge and answer to questions as part of the supervision program. As a result, the internship acts as a learning experience for future managers in the company.



Republic of the Philippines  
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 Narciso Street, Surigao City



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**SURIGAO STATE**  
**COLLEGE OF TECHNOLOGY**

"For Nation's Greater Heights"

Document Code No.	FM-SSCT-REG-002
Revision No.	00
Effective Date	01 January 2019
Page No.	1 of 1

**Certificate of Registration**  
 Summer, 2020 - 2021

ID No.: <b>2018 - 02055</b>	Last Name <b>MAG-USARA</b>	First Name <b>DINMARK</b>	Middle Name <b>ARLAN</b>	Sex <b>Male</b>
--------------------------------	-------------------------------	------------------------------	-----------------------------	--------------------

PROGRAM: **Bachelor of Science in Electrical Engineering**  
 MAJOR:

YEAR LEVEL: **Third Year**  
 STATUS: **OLD**

Code	Section	Course	Day	Time	Room	Lec Hrs.	Lab Hrs.	Units
00001	BSEE - 3A	Practicum - On-the-Job Training (240 hrs)	[M,T,W,Th,F]	[2:00PM-04:00PM]	[EB 304]	2	0	2

Total Units: 2

*[Signature]*

Certified by: CLARET D. RUAYA  
 College Registrar

03/26/2021 04:11:34 PM





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**SURIGAO STATE COLLEGE OF TECHNOLOGY**  
Narciso Street, Surigao City



CERTIFICATE NUMBER: AJA19-0225

## RESUME

**Name:** DINMARK A. MAG-USARA

**Address:** Brgy. San Juan Purok-4, Surigao Del Norte

**Contact no.:** 09630692953

**Email Address:** [dmagusara@ssct.edu.ph](mailto:dmagusara@ssct.edu.ph)



**Objectives:** To expand my knowledge and gain experience in the field of electrical engineering. In exchange, I pledge my service and commitment to be a valuable asset for the duration of my training.

## PERSONAL BACKGROUND:

**Date of Birth:** February 05, 2000

**Place of Birth:** Surigao City

**Gender:** Male

**Age:** 21 Years Old

**Height:** 5'5"

**Weight:** 65 kg

**Status:** Single

**Religion:** Roman Catholic

**Citizenship:** Filipino

## SCHOLASTIC DATA:

Level	School	Year Attended
<b>Primary:</b> Elem. Grad.	Corrales Elementary School (CES)	2011-2012
<b>Secondary:</b> SHS Grad.	Surigao State College of Technology	2017-2018
<b>Tertiary:</b> 3 <sup>rd</sup> Year	Surigao State College of Technology	Up-to-Present
<b>Course/Major:</b> BS Electrical Engineering		

## WORK EXPERIENCE:

Position	Inclusive Date	Company	Address
----------	----------------	---------	---------

## TRAININGS/SEMINARS ATTENDED:

Title	Inclusive Date	Address
-------	----------------	---------

## CHARACTER REFERENCES:

Name	Position	Address	Contact no.
------	----------	---------	-------------



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Narciso Street, Surigao City



CERTIFICATE NUMBER: AJA19-0225

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**IN CASE OF EMERGENCY, PLEASE NOTIFY:**

<b>Name</b>	<b>Address</b>	<b>Contact no.</b>
Mansueto M. Mag-usara	Purok-4, Brgy. San Juan S.C.	09481311096

---

I hereby certify that the above information is true and correct to my best knowledge and belief.

**DINMARK A. MAG-USARA**  
Student Trainee Applicant





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Republic of the Philippines  
**SURIGAO STATE COLLEGE OF TECHNOLOGY**  
Narciso Street, Surigao City



CERTIFICATE NUMBER: AJA19-0225

## COMPANY



This is the Surigao State College of Technology.





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Narciso Street, Surigao City



CERTIFICATE NUMBER: AJA19-0225

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## COMPANY HISTORY

---

Surigao State College of Technology (SSCT) was formerly Surigao Del Norte School of Arts and Trades, established as a trade school with the help of then Governor Jose C. Sering on August 8, 1969 by virtue of Republic Act 6057 under the supervision of Supt. Marcelo S. Bonilla of Cebu School of Arts and Trades, Cebu City.

The school formally started its operation on September 15, 1969 with borrowed technology teachers from three different schools of the province. There were 103 pioneering students in the first secondary trade and the trade technical curricula. Two 2-storey buildings were constructed upon donation of 1.2 hectares of land through the Provincial Government. Along with this, several machineries were acquired from Japan Overseas Cooperation Volunteers; Technical Vocational Education Program; Asian Development Bank; and Philippine Australian Technical Vocational Education Program which became instruments of becoming a full-fledged higher institution offering Bachelor of Science in Industrial Technology and the Bachelor of Science in Industrial Education.

Through the efforts of the late Senator Robert Z. Barbers, R.A. 8650 merged SNSAT with the Malimono School of Fisheries, a secondary school that offered the Revised Fisheries Curriculum of 1972 under P.D. 223 in 1975, thereby creating the Surigao State College of Technology (SSCT) which was signed into law on June 5, 1998 by then President Fidel V. Ramos. With the conversion of SNSAT and



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**SURIGAO STATE COLLEGE OF TECHNOLOGY**  
Narciso Street, Surigao City



CERTIFICATE NUMBER: AJA19-0225

Malimono School of Fisheries to a State College, there was a major review of its organization, curriculum, and programs and standards under Dr. Teresita T. Tumapon who took the seat as the 1st College President on September 25, 1998.

The Surigao del Norte College of Agriculture and Technology (SNCAT) which was formerly the Mainit National Agricultural School (MNAS) by virtue of R.A. 5256 1983 Batas Pambansa Blg. 358 on May 26, 1969 was integrated to SSCT through a Memorandum of Agreement (MOA) entered into by and between CHED and TESDA on October 10, 2008 duly represented by the TESDA Director and the CHED Regional Director.

Under the Memorandum of Agreement, the Higher Education Programs of Surigao del Norte College of Agriculture and Technology (SNCAT) will be placed under the direct supervision of SSCT. The same was confirmed by the Board through Resolution No. 735 s. 2009 on December 28, 2009 during its 44th BOT Meeting. Dr. Georgito G. Posesano, Professor II of SSCT-Main Campus was designated on November 25, 2010 as its Campus Director.

The year 2010 marked another milestone in the history of SSCT as the new lady president, Dr. Gloria C. Gemparo, assumed into office as the 5th College President of the Surigao State College of Technology on December 1, 2010 pursuant to BOT Resolution No. 25 s. 2010. With Dr. Gemparo at its helm,





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Narciso Street, Surigao City



CERTIFICATE NUMBER: AJA19-0225

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everybody hopes for a bright future as it faces 21st Century challenges in pursuit of quality and relevant education for all its constituents.

## COMPANY PROFILE

### SURIGAO STATE COLLEGE OF TECHNOLOGY

Former Surigao Del Norte of Arts and  
Trades

Type: State College

Established: June 5, 1998

President: Dr. Gregorio Z. Gamboa Jr.

Location: Surigao City, Surigao del Norte,  
Philippines

Colors: Green

Website: <http://ssct.edu.ph>

Campus:

Surigao City Main Campus  
Del Carmen  
Malimono  
Mainit



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## PHILOSOPHY

The Surigao State College of Technology is a community of life-long learners who believe in the worth and total development of every individual. It adheres to the pursuit of excellence and to the democratic tenets, human dignity, wholesome work ethic, equality and equity of opportunity and sustainable progress.





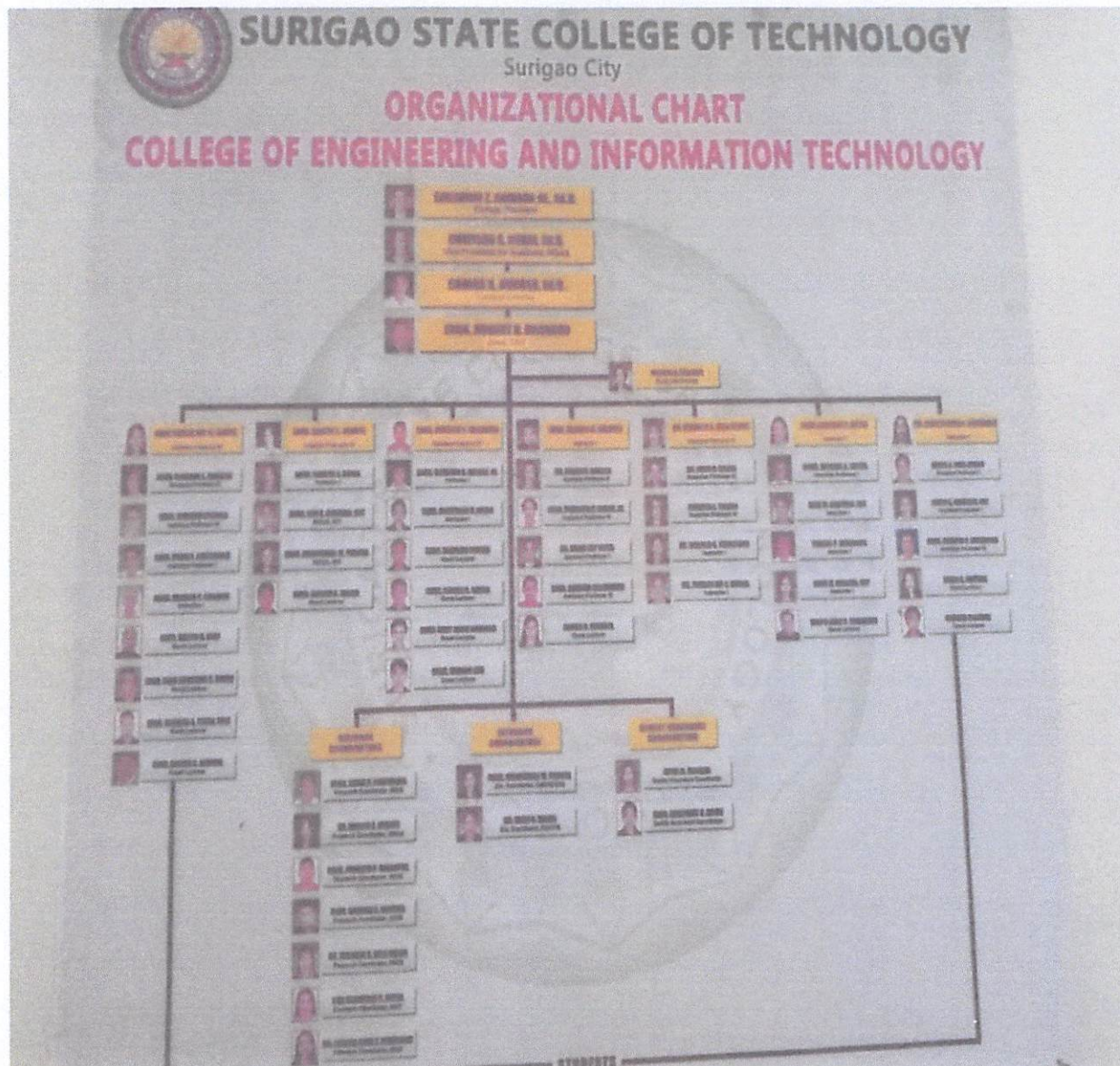
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CERTIFICATE NUMBER: AJA19-0225

## COMPANY ORGANIZATIONAL CHART



This is the organizational chart of CEIT department.



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Narciso Street, Surigao City

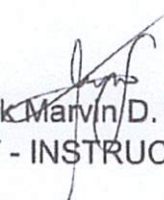


COLLEGE OF ENGINEERING & INFORMATION TECHNOLOGY  
BS in Electrical Engineering

## CERTIFICATION

This is to certify that Mr/Ms DINMARK A. MAG-USARA from the College of Engineering and Information Technology taking up Bachelor of Science in Electrical Engineering of the Surigao State College of Technology has successfully completed 240 hours of his training ( On-the-Job Training ) on home base distant design of electrical wiring with a performance rating of 89%.

This certification is being issued upon the request of  
Mr/Ms DINMARK A. MAG-USARA for whatever legal purpose it may serve.

  
Engr. Mark Marvin D. Paglinawan  
OJT - INSTRUCTOR





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Narciso Street, Surigao City



### OJT PERFORMANCE RATING SHEET

DINMARK A. MAG-USARA

Name of Student

BSEE-3

Course/Year

Major

SSCT MAIN

Name of Industry

SURIGAO CITY

Address of Industry

JUNE 25, 2021

Start of Training (Date)

AUGUST 12, 2021

End of Training (Date)

CRITERIA	MAXIMUM RATING TO BE GIVEN	RATING
1. Quality of Work (originality, accuracy, neatness and completeness)	25%	21%
2. Quantity of Work (no. of submitted outputs)	25%	23%
3. Timeliness (submission of output based on the deadline)	10%	8%
4. Reliability, Resourcefulness (ability to work with minimum supervision)	10%	9%
5. Collaboration (work well with everyone, good team worker)	10%	9%
6. Courtesy and Good Manners	10%	10%
7. Safety (awareness of safety procedures)	10%	9%
	<b>TOTAL RATING</b>	<b>89%</b>

COMMENTS/OBSERVATIONS:

#### Equivalent Rating

95-up	1.0	84	2.1
94	1.1	83	2.2
93	1.2	82	2.3
92	1.3	81	2.4
91	1.4	80	2.5
90	1.5	79	2.6
89	1.6	78	2.7
88	1.7	77	2.8
87	1.8	76	2.9
86	1.9	75	3.0
85	2.0	76-down	3.1

#### Description

<b>Excellent</b>	( 95 - up )
<b>Very Good</b>	( 90 - 94 )
<b>High Satisfactory</b>	( 85 - 89 )
<b>Good</b>	( 80 - 84 )
<b>Less Satisfactory</b>	( 75 - 79 )
<b>Failed</b>	( 76 - down )

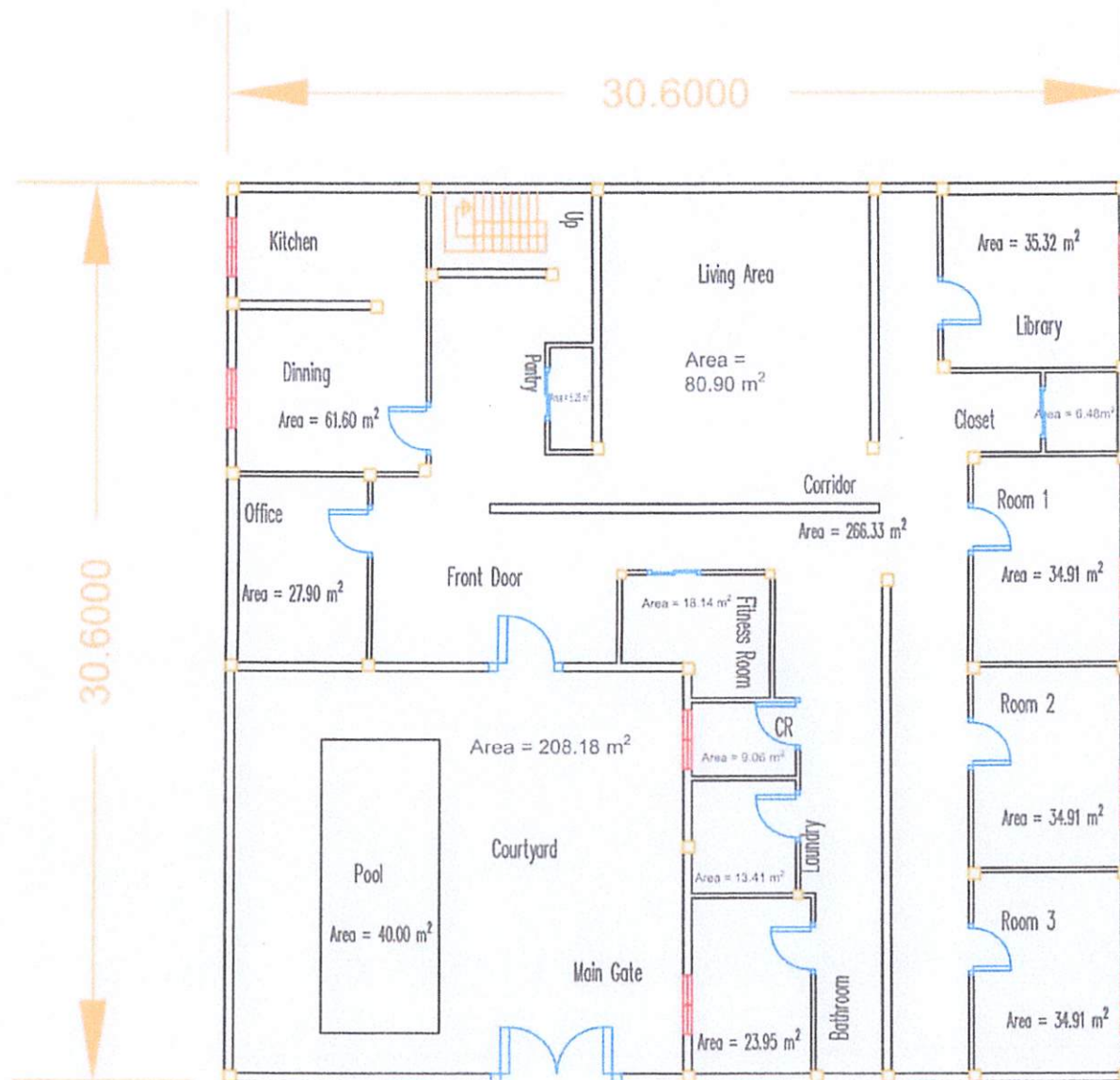
Rated by:

[Signature]  
OJT Coordinator

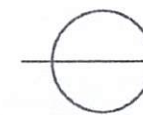
Approved:

[Signature]  
Program Chair





GROUND FLOOR



**FLOOR PLAN**

SCALE

1:1 M

SUBMITTED BY:

MAG-USARA DINMARK A.  
BSEE 3B

PROJECT TITLE:

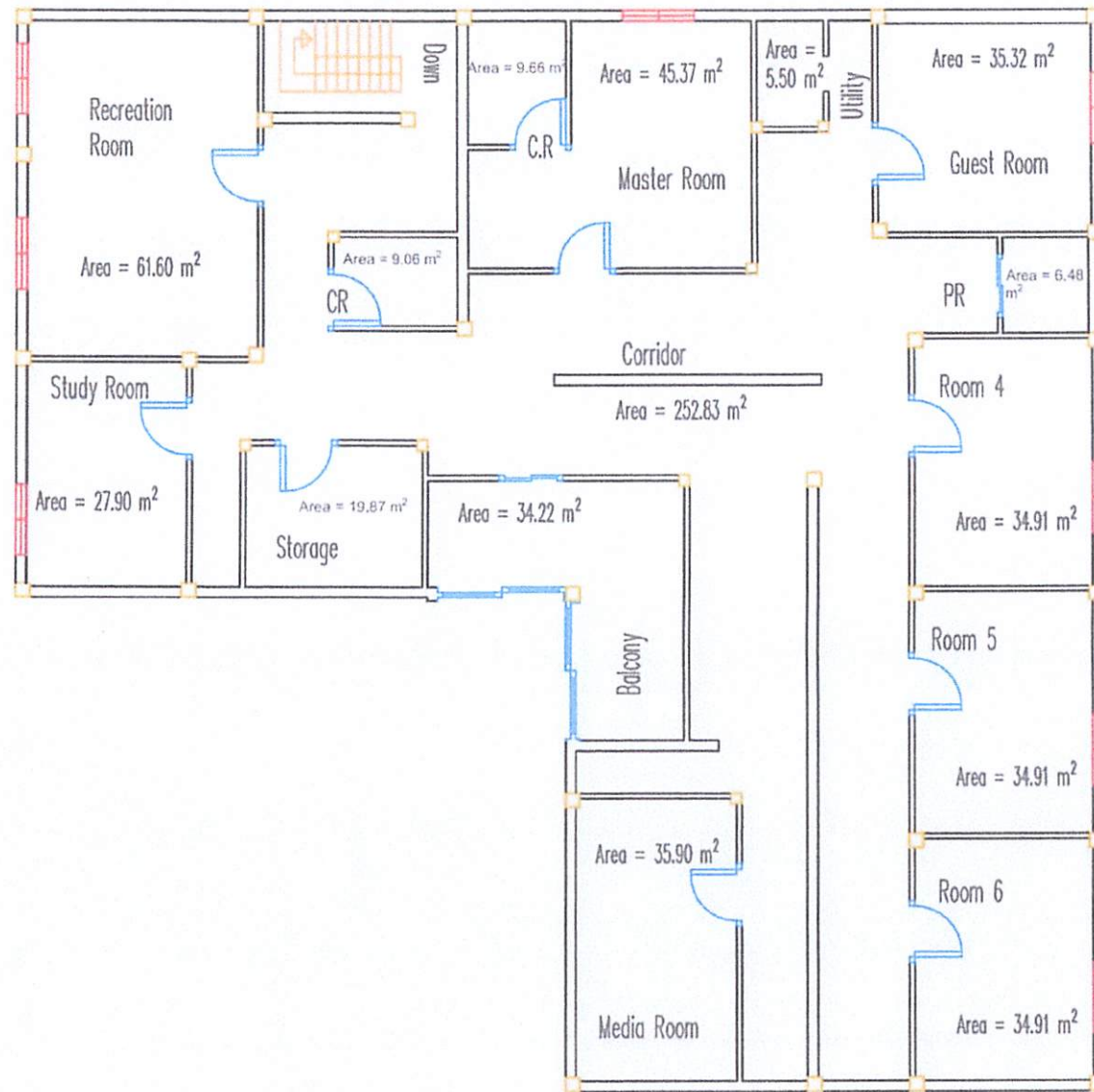
PROPOSED TWO (2)- STOREY  
RESIDENTIAL BUILDING

SUBMITTED TO:

PAGLINAWAN, MARK MARVIN D.  
ENGINEER

SHEET CONTENT:

GROUND FLOOR PLAN



SECOND FLOOR

# FLOOR PLAN

SCALE

1:1 M

SUBMITTED BY:

MAG-USARA, DINMARK A.  
BSEE 3B

PROJECT TITLE:

PROPOSED TWO (2)- STOREY  
RESIDENTIAL BUILDING

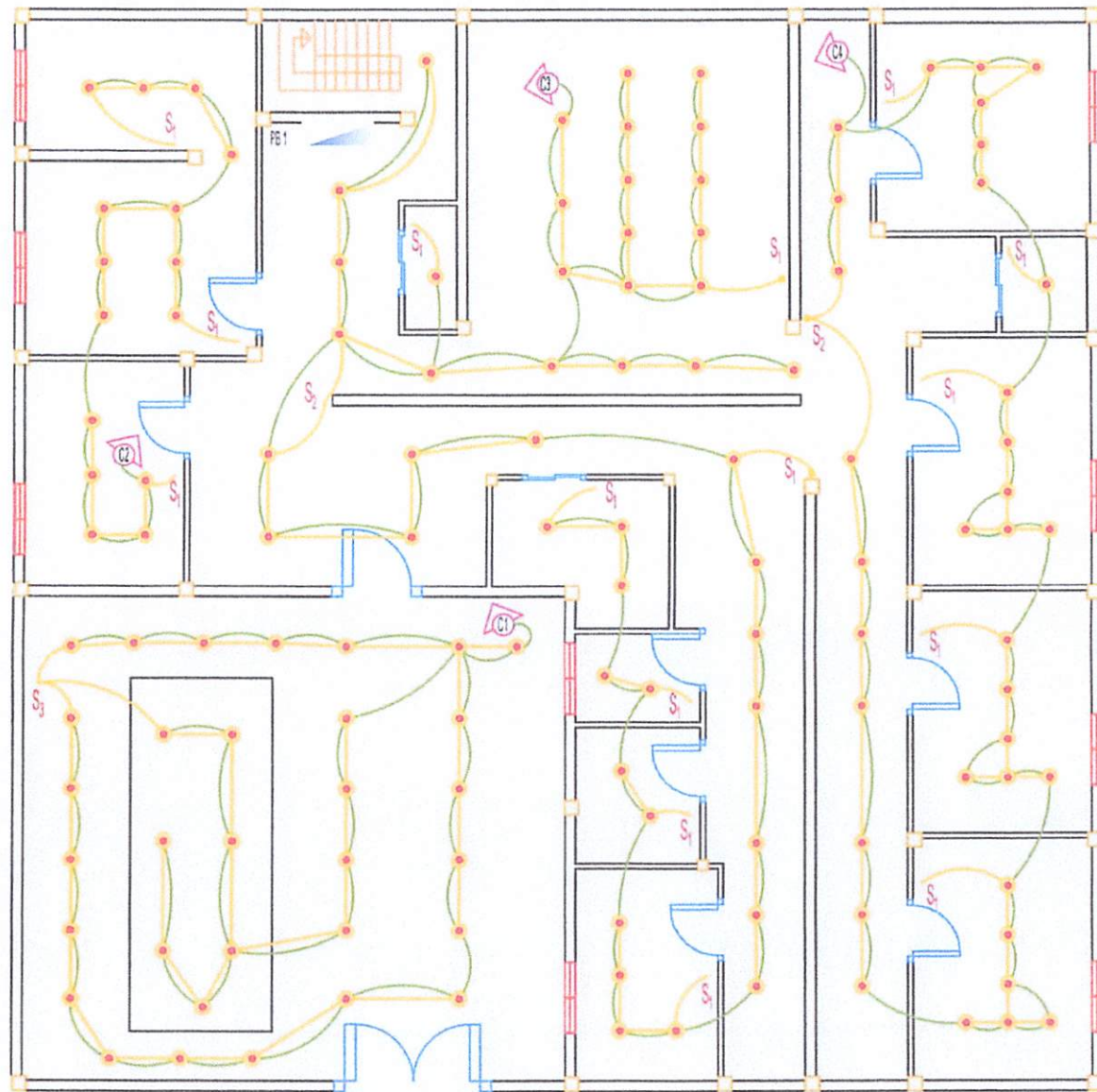
SUBMITTED TO:

PAGLINAWAN, MARK MARVIN D.  
ENGINEER

SHEET CONTENT:

SECOND FLOOR PLAN





GROUND FLOOR



# LIGHTING LAYOUT PLAN

SCALE

1:1 M

SUBMITTED BY:

MAG-USARA, MARK A.  
BSEE 3B

PROJECT TITLE:

PROPOSED TWO (2)- STOREY  
RESIDENTIAL BUILDING

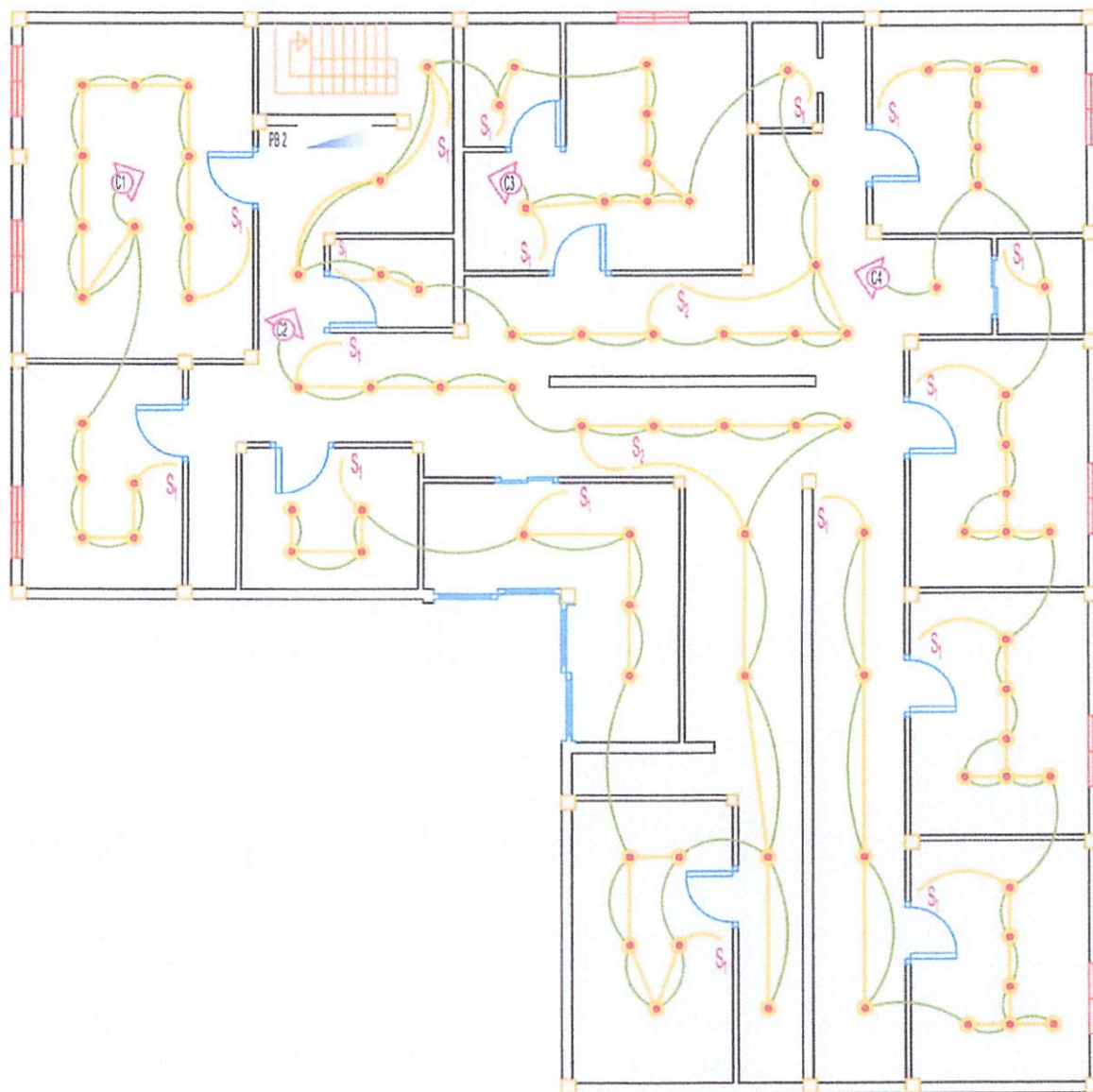
SUBMITTED TO:

PAGLINAWAN, MARK MARVIN D.  
ENGINEER


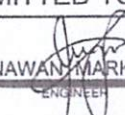
SHEET CONTENT:

LIGHTING LAYOUT PLAN  
GROUND FLOOR





SECOND FLOOR  
**LIGHTING LAYOUT PLAN**  
 SCALE 1:1 M

SUBMITTED BY:	PROJECT TITLE:	SUBMITTED TO:	SHEET CONTENT:
MAG-USARA  BSEE/3B	PROPOSED TWO (2)- STOREY RESIDENTIAL BUILDING	PAGLINAWAN  ENGINEER	LIGHTING LAYOUT PLAN SECOND FLOOR



GROUND FLOOR



# POWER LAYOUT PLAN

SCALE

1:1 M

SUBMITTED BY:

MAG-USARA DINMARK A.  
BSEE BB

PROJECT TITLE:

PROPOSED TWO (2)- STOREY  
RESIDENTIAL BUILDING

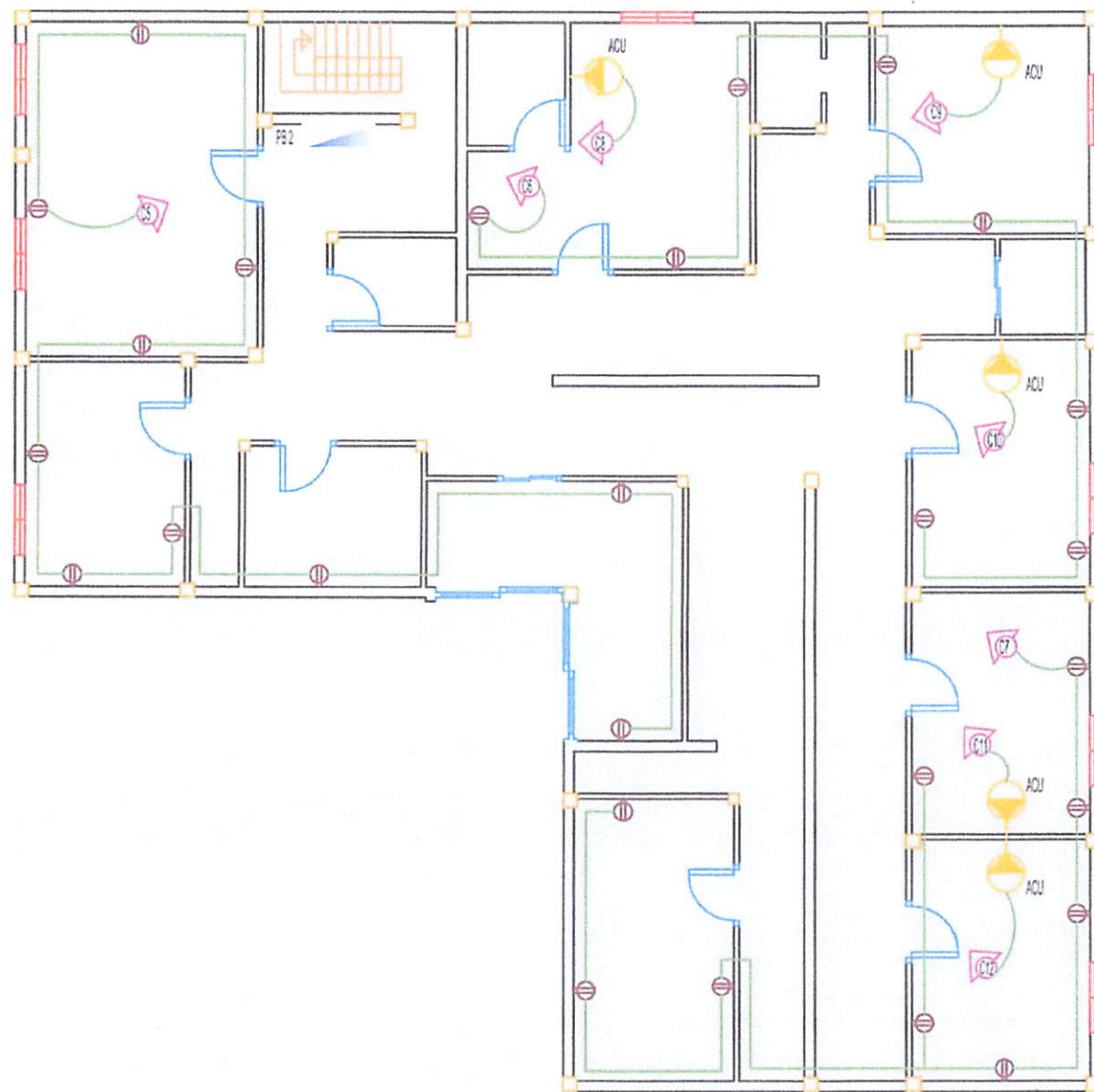
SUBMITTED TO:

PAGLINAWAN, MARK MARVIN D.  
ENGINEER

SHEET CONTENT:

POWER LAYOUT PLAN  
GROUND FLOOR
















SECOND FLOOR  
**POWER LAYOUT PLAN**  
 SCALE 1:1 M

SUBMITTED BY:	PROJECT TITLE:	SUBMITTED TO:	SHEET CONTENT:
MAG-USARA DINMARK A. BSEE 3B	PROPOSED TWO (2)- STOREY RESIDENTIAL BUILDING	PAGLINAWAN, MARK MARVIN D. ENGINEER	POWER LAYOUT PLAN SECOND FLOOR



# ELECTRICAL NOTES:

## LEGEND AND SYMBOLS

-  — PANEL BOARD
-  — CIRCUIT HOME RUN
-  — LIGHTING OUTLET LINE
-  — SWITCH LINE
-  — CONVENIENCE OUTLET LINE
-  — PINLIGHT
-  — CONVENIENCE OUTLET
-  — SINGLE SWITCH
-  — TWO-GANG SWITCH
-  — THREE-GANG SWITCH
-  — ACU OUTLET

ALL MATERIALS TO BE USED IN THIS PROJECT SHALL BE OF APPROVED BRAND AND QUALITY.

WIRINGS FOR ALL SYSTEMS SHALL BE TYPE THW OR TW CONDUCTORS USING PLASTIC CONDUIT PIPES. OTHER TYPES OF CONDUCTOR SHALL BE AS INDICATED IN THE DRAWINGS.

CONDUIT SHALL BE EMBEDDED IN COLUMNS, WALLS AND TOPPINGS OF FLOOR SLAB TO ALLOW FLUSH CONNECTIONS AND LIGHTING SYSTEM WHICH MAYBE EXPOSED BETWEEN JOINTS IN CASE A DROP CEILING IS INSTALLED.

SMALLEST TYPE OF CONDUCTOR TO BE USED SHALL BE 3.5 mm<sup>2</sup> TYPE OR THW. TW WIRE SHALL BE INDICATED IN THE DRAWINGS.

WALL SWITCHES INTENDED TO CONTROL LIGHTS ON THE 230 VOLTS SYSTEM SHALL BE RATED 15 AMP. 250 VOLTS.

LIGHT SWITCHES SHALL BE 1.35 METERS ABOVE FINISH FLOOR LINE.


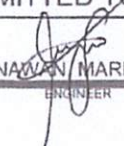
CONVENIENCE OUTLETS SHALL BE FLUSHED DUPLEX TYPE RATED 20 AMPERES 230 VOLTS 60Hz., AC.

CONVENIENCE OUTLETS SHALL BE 30 CM. ABOVE FINISH FLOOR LINE.

THE CIRCUIT BREAKERS SHALL BE DRAW OUT OR MOLDED CASE AS REQUIRED. THE CIRCUIT BREAKERS SHALL EACH HAVE SUFFICIENT INTERRUPTING CAPACITY AND SHALL BE MANUALLY OPERATED COMPLETE WITH TRIP DEVICES AND ALL NECESSARY ACCESSORIES TO INSURE SAFE EFFICIENT OPERATIONS.

CIRCUIT BREAKERS SHALL BE OF THE INDICATING TYPE PROVIDING "ON" AND "OFF" AND "TRIP" POSITIONS OF THE OPERATING HANDLES AND SHALL EACH BE PROVIDED WITH NAME PLATE FOR BRANCH CIRCUIT DESIGNATION.

GENERAL ELECTRICAL INSTALLATION SHALL BE MADE TO CONFORM TO LOCAL ORDINANCE AND THE NATIONAL ELECTRICAL CODE OF THE PHILIPPINES AND SHALL BE MADE UNDER THE SUPERVISION OF THE DULY LICENSED PROFESSIONAL ELECTRICAL ENGINEER.

SUBMITTED BY:	PROJECT TITLE:	SUBMITTED TO:	SHEET CONTENT:
 MAG-USARA BINMARK A. BSEE/BB	PROPOSED TWO (2)- STOREY RESIDENTIAL BUILDING	 PAGLINAWAN MARK MARVIN D. ENGINEER	<u>LEGENDS AND SYMBOLS</u> <u>ELECTRICAL NOTES</u>

BULB RATING (WATTS) 35	STANDARD VOLTAGE 230	CB PROTECTION RATE 0.8	AT PROTECTION 15	NUMBER OF BULBS/CIRCUIT 79
BULB RATING (WATTS) 35	STANDARD VOLTAGE 230	CURRENT CONSUMPTION 0.152173913	CONTROLLING SWITCH 12	NUMBER OF BULBS/SWITCH 79
VA ALLOWED 180	STANDARD VOLTAGE 230	CB PROTECTION RATE 0.8	AT PROTECTION 20	NUMBER OF OUTLETS/CIRCUIT 20

PARTICULAR	AREA(M <sup>2</sup> )	ILLUMINATION(LUX)	LUMINOUS FLUX OF EACH BULB	COEFFECENT OF UTILIZATION	MAINTENANCE FACTOR	NUMBER OF LUMINAIRES
GROUND FLOOR						
COURTYARD	208.18	200	4200	0.45	0.7	25
LIVING ROOM	80.9	200	4200	0.45	0.7	13
KITCHEN & DINNING	61.6	200	4200	0.45	0.7	10
OFFICE	27.9	200	4200	0.45	0.7	5
FITNESS ROOM	18.14	150	4200	0.35	0.7	3
CR	9.06	100	4200	0.25	0.7	2
LAUNDRY ROOM	13.41	100	4200	0.25	0.7	2
BATHROOM	23.95	150	4200	0.35	0.7	4
LIBRARY	35.32	200	4200	0.45	0.7	6
CLOSET	6.48	100	4200	0.25	0.7	1
POOL	40	200	4200	0.45	0.7	7
ROOM 1	34.91	200	4200	0.45	0.7	6
ROOM 2	34.91	200	4200	0.45	0.7	6
ROOM 3	34.91	200	4200	0.45	0.7	6
CORRIDOR	266.33	150	4200	0.45	0.7	31
PANTRY	5.25	100	4200	0.25	0.7	1
TOTAL	901.25					128
SECOND FLOOR						
RECREATION ROOM	61.6	200	4200	0.45	0.7	10
STUDY ROOM	27.9	200	4200	0.45	0.7	5
STORAGE ROOM	19.87	200	4200	0.45	0.7	4
BALCONY	34.22	150	4200	0.45	0.7	4
MEDIA ROOM	35.9	150	4200	0.45	0.7	5
GUEST ROOM	35.32	200	4200	0.45	0.7	6
ROOM 4	34.91	200	4200	0.45	0.7	6
ROOM 5	34.91	200	4200	0.45	0.7	6
ROOM 6	34.91	200	4200	0.45	0.7	6
PORT ROOM	6.48	100	4200	0.25	0.7	1
UTILITY ROOM	5.5	100	4200	0.25	0.7	1
MASTER ROOM	45.37	200	4200	0.45	0.7	7
CR FOR MASTER ROOM	9.66	100	4200	0.25	0.7	2
CR	9.06	100	4200	0.25	0.7	2
CORRIDOR	252.83	150	4200	0.45	0.7	29
TOTAL	648.44					94
TOTAL (Ground & Second Floor)	1549.69					

SUBMITTED BY:	PROJECT TITLE:	SUBMITTED TO:	SHEET CONTENT:
MAG-USARA DINMARK A. BSEE 3B	PROPOSED TWO (2)- STOREY RESIDENTIAL BUILDING	PAGLINAWAN, MARK MARVIN D. ENGINEER	LUMINAIRES CALCULATION

**SCHEDULE OF LOADS PANEL BOARD 1**

CIRCUIT NO.	LOAD DESCRIPTION			SWITCHES				POWER (VA)	RATED VOLTAGE	PHASE	PHASE CURRENT			PROTECTION			CONDUCTOR (mm <sup>2</sup> )		CONDUIT Trade Size (mm. dia.)
	LO	CO	OTHERS	S1	S2	S3	S3W				AN	BN	CN	AT	POLE	KAIC	LINE	NEUTRAL	
1	32					1		1,120	230	1			4.87	15	1	8-KAIC	3.5 (12-AWG)	3.5 (12-AWG)	15 mm Ø - PVC
2	15			3				525	230	1			2.28	15	1	8-KAIC	3.5 (12-AWG)	3.5 (12-AWG)	15 mm Ø - PVC
3	48			7	1			1,510	230	1			7.00	15	1	8-KAIC	3.5 (12-AWG)	3.5 (12-AWG)	15 mm Ø - PVC
4	35			5	1			1,225	230	1			5.33	15	1	8-KAIC	3.5 (12-AWG)	3.5 (12-AWG)	15 mm Ø - PVC
5		9						1,820	230	1			7.04	20	1	8-KAIC	3.5 (12-AWG)	3.5 (12-AWG)	15 mm Ø - PVC
6		8						1,440	230	1			6.28	20	1	8-KAIC	3.5 (12-AWG)	3.5 (12-AWG)	15 mm Ø - PVC
7		10						1,800	230	1			7.83	20	1	8-KAIC	3.5 (12-AWG)	3.5 (12-AWG)	15 mm Ø - PVC
8		9						1,820	230	1			7.04	20	1	8-KAIC	3.5 (12-AWG)	3.5 (12-AWG)	15 mm Ø - PVC
9		1	2HP, Air Conditioner					2,760	230	1			12.00	30	1	8-KAIC	5.5 (10-AWG)	5.5 (10-AWG)	15 mm Ø - PVC
10		1	2HP, Air Conditioner					2,760	230	1			12.00	30	1	8-KAIC	5.5 (10-AWG)	5.5 (10-AWG)	15 mm Ø - PVC
11		1	2HP, Air Conditioner					2,760	230	1			12.00	30	1	8-KAIC	5.5 (10-AWG)	5.5 (10-AWG)	15 mm Ø - PVC
12		1	2HP, Air Conditioner					2,760	230	1			12.00	30	1	8-KAIC	5.5 (10-AWG)	5.5 (10-AWG)	15 mm Ø - PVC
13		1	Washing Machine					500	230	1			2.17	30	1	8-KAIC	5.5 (10-AWG)	5.5 (10-AWG)	15 mm Ø - PVC
14		1	Refrigerator					400	230	1			1.74	30	1	8-KAIC	5.5 (10-AWG)	5.5 (10-AWG)	15 mm Ø - PVC
SPARE																			
SPARE																			
Total								22,900.00	230	1			89.57						

SUBMITTED BY:	PROJECT TITLE:	SUBMITTED TO:	SHEET CONTENT:
MAG-USARA, BENJAMIN A. BSEE/3B	PROPOSED TWO (2)- STOREY RESIDENTIAL BUILDING	PAGLINAWAN, MARK MARVIN D. ENGINEER	SCHEDULE OF LOADS PB 1



SCHEDULE OF LOADS PANEL BOARD 2

CIRCUIT NO.	LOAD DESCRIPTION			SWITCHES			POWER (VA)	RATED VOLTAGE	PHASE	PHASE CURRENT			PROTECTION			CONDUCTOR (mm <sup>2</sup> )		CONDUIT Trade Sizes (mm. dia.)	
	LO	CO	OTHERS	S1	S2	S3				S3W	AN	BN	CN	AT	POLE	KAIC	LINE		NEUTRAL
1	15			2				825	230	1			2.28	15	1	8-KAIC	3.5 (12-AWG)	3.5 (12-AWG)	15 mm Ø - PVC
2	25			4	1			910	230	1			3.98	15	1	8-KAIC	3.5 (12-AWG)	3.5 (12-AWG)	15 mm Ø - PVC
3	23			5	1			805	230	1			3.50	15	1	8-KAIC	3.5 (12-AWG)	3.5 (12-AWG)	15 mm Ø - PVC
4	30			6				1,050	230	1			4.57	15	1	8-KAIC	3.5 (12-AWG)	3.5 (12-AWG)	15 mm Ø - PVC
5		10						1,800	230	1			7.53	20	1	8-KAIC	3.5 (12-AWG)	3.5 (12-AWG)	15 mm Ø - PVC
6		8						1,440	230	1			6.26	20	1	8-KAIC	3.5 (12-AWG)	3.5 (12-AWG)	15 mm Ø - PVC
7		9						1,620	230	1			7.04	20	1	8-KAIC	3.5 (12-AWG)	3.5 (12-AWG)	15 mm Ø - PVC
8		1	2HP, Air Conditioner					2,760	230	1			12.00	30	1	8-KAIC	5.5 (10-AWG)	5.5 (10-AWG)	15 mm Ø - PVC
9		1	2HP, Air Conditioner					2,760	230	1			12.00	30	1	8-KAIC	5.5 (10-AWG)	5.5 (10-AWG)	15 mm Ø - PVC
10		1	2HP, Air Conditioner					2,760	230	1			12.00	30	1	8-KAIC	5.5 (10-AWG)	5.5 (10-AWG)	15 mm Ø - PVC
11		1	2HP, Air Conditioner					2,760	230	1			12.00	30	1	8-KAIC	5.5 (10-AWG)	5.5 (10-AWG)	15 mm Ø - PVC
12		1	2HP, Air Conditioner					2,760	230	1			12.00	30	1	8-KAIC	5.5 (10-AWG)	5.5 (10-AWG)	15 mm Ø - PVC
SPARE																			
SPARE																			
Total																			85.43

SUBMITTED BY:

PROJECT TITLE:

SUBMITTED TO:

SHEET CONTENT:

MAG-USARIN MARK A.  
BSEE/IB

PROPOSED TWO (2)-STOREY  
RESIDENTIAL BUILDING

PAGLINAWAN MARK MARVIN D.  
BSEE/IB

SCHEDULE OF LOADS PB 2


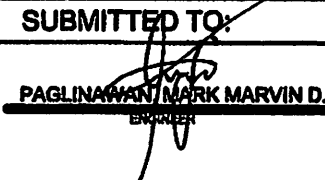
**1. DESIGN ANALYSIS (PANEL BOARD 1)**

Total Area	901.25	sq.m	STD rating	Unit		Total	Unit
<b>A. General Lighting</b>							
	901.25	sq.m			=	4,480.00	VA
<b>B. Convenience Outlet Load</b>							
9		general purpose outlets	180	VA	=	1,620.00	VA
8		general purpose outlets	180	VA	=	1,440.00	VA
10		general purpose outlets	180	VA	=	1,800.00	VA
9		general purpose outlets	180	VA	=	1,620.00	VA
<b>Total of General Lighting and general purpose outlets</b>						10,980.00	
<b>Application of Demand Factors:</b>							
<b>First 3000 volt Amperes @ 100% DF</b>						= 3,000.00	VA
<b>Reminder @35% Demand Factor</b>						= 2,786.00	VA
<b>Sub Total of Lighting and Convenience Outlet Load</b>						= 5,786.00	VA
<b>C. Other Loads ( Motor Loads Derived if PEC Table 4.30.14.2 Page 629):</b>							
4	unit	2HP, Air Conditioner	2760	VA		11040	VA
1	unit	Refrigrator	400.00	VA	=	400.00	VA
1	unit	Washing Machine	500.00	VA	=	500.00	VA
1	unit	Spare	-	VA	=	0.00	VA
<b>Sub Total of Other Loads</b>						= 11,940.00	VA
<b>Total Load</b>						= 17,726.00	VA
<b>D. Circuit Requirements</b>							
Use:	4	=	15 AT, CB - 2 Pole OCPD for Lighting Outlets				
Use:	4	=	20 AT, CB - 2 Pole OCPD for General Purpose				
Use:	6	=	30 AT, CB - 2 Pole OCPD for Refrigrator/ Washing Machine/Air Conditioner				
<b>E. Service Entrance Conductors</b>							
<b>Total Load</b>						= 17,726.00	VA
<b>Highest Motor Load</b>						= 2,760.00	VA
<b>Total Full Load Current</b>						80.07	A
<b>From Design Analysis:</b>							
Use:	2	=	38.0	mm <sup>2</sup>	Ungrounded Wire		
Use:	1	=	14.0	mm <sup>2</sup>	Ground Wire		
<b>F. Service Equipment Rating:</b>							
1.0	Nontime Delay Fuse					101.07	A
1.0	Inverse Time Circuit Breaker					95.07	A
Use:	125 AT, 2P Circuit Breaker						

**SUBMITTED BY:****MAG-USARA DINMARK A.**  
BSEE 7B**PROJECT TITLE:****PROPOSED TWO (2)- STOREY  
RESIDENTIAL BUILDING****SUBMITTED TO:****PAGLINAWAN, MARK MARVIN D.**  
ENGINEER**SHEET CONTENT:****DESIGN ANALYSIS (PB 1)**

**2. DESIGN ANALYSIS (PANEL BOARD 2)**

Total Area	648.44	sq.m	STD rating	Unit		Total	Unit
<b>A. General Lighting</b>							
	648.44	sq.m			=	3,290.00	VA
<b>B. Convenience Outlet Load</b>							
10		general purpose outlets	180	VA	=	1,800.00	VA
8		general purpose outlets	180	VA	=	1,440.00	VA
9		general purpose outlets	180	VA	=	1,620.00	VA
<b>Total of General Lighting and general purpose outlets</b>						8,150.00	
<b>Application of Demand Factors:</b>							
<b>First 3000 volt Amperes @ 100% DF</b>						= 3,000.00	VA
<b>Reminder @35% Demand Factor</b>						= 1,802.50	VA
<b>Sub Total of Lighting and Convenience Outlet Load</b>						= 4,802.50	VA
<b>C. Other Loads ( Motor Loads Derived if PEC Table 4.30.14.2 Page 629):</b>							
5	unit	2HP, Air Conditioner	2760	VA		13800	VA
1	unit	Spare	-	VA	=	0.00	VA
<b>Sub Total of Other Loads</b>						= 13,800.00	VA
<b>Total Load</b>						= 18,602.50	VA
<b>D. Circuit Requirements</b>							
Use:	4	=	15 AT, CB - 2 Pole OCPD for Lighting Outlets				
Use:	3	=	20 AT, CB - 2 Pole OCPD for General Purpose				
Use:	5	=	30 AT, CB - 2 Pole OCPD for Air Conditioner				
<b>E. Service Entrance Conductors</b>							
<b>Total Load</b>						= 18,602.50	VA
<b>Highest Motor Load</b>						= 2,760.00	VA
<b>Total Full Load Current</b>						83.88	A
<b>From Design Analysis:</b>							
Use:	2	=	38.0	mm <sup>2</sup>	Ungrounded Wire		
Use:	1	=	14.0	mm <sup>2</sup>	Ground Wire		
<b>F. Service Equipment Rating:</b>							
1.0	<b>Nontime Delay Fuse</b>					104.88	A
1.0	<b>Inverse Time Circuit Breaker</b>					98.88	A
Use:	125 AT, 2P Circuit Breaker						

SUBMITTED BY:	PROJECT TITLE:	SUBMITTED TO:	SHEET CONTENT:
 MAG-USARA DINMARK A. BSEE/BS	PROPOSED TWO (2)- STOREY RESIDENTIAL BUILDING	 PAGLINAWAN MARK MARVIN D. ENGINEER	DESIGN ANALYSIS (PB 2)



VOLTAGE DROP CALCULATION (PANEL BOARD 1)

Feeder wire data (transformer to service equipment-section 1)

Itotal Full Load Current	=	80.0696	A
Size of Wire	=	38	mm <sup>2</sup> THHN
R per kilometer	=	0.1500	ohms/km
X <sub>L</sub> per kilometer	=	0.0460	ohms/km
Length of feeder Line Wire	=	15	m

Feeder wire data (service equipment to highest load -section 2)

Itotal Full Load Current	=	12.0000	A
Size of Wire	=	14	mm <sup>2</sup> THHN
R per kilometer	=	0.4900	ohms/km
X <sub>L</sub> per kilometer	=	0.0510	ohms/km
Length of feeder Line Wire	=	30	m

Line Section Voltage Drop (VD1)

$$VD_1 = \frac{\text{length}}{305} \times \frac{(VR^2 + X_L^2)}{m} \times I_{\text{section-1}}$$
$$VD_1 = \frac{15}{305} \times \frac{0.15689}{m} \times 80.07 \text{ A}$$
$$VD_1 = 0.617828064 \text{ V}$$

Line Section Voltage Drop (VD2)

$$VD_2 = \frac{\text{length}}{305} \times \frac{(VR^2 + X_L^2)}{m} \times I_{\text{section-1}}$$
$$VD_2 = \frac{30}{305} \times \frac{0.49265}{m} \times 12.00 \text{ A}$$
$$VD_2 = 0.581484904 \text{ V}$$

Total Voltage Drop

$$VD_T = VD_2 + VD_1$$
$$VD_T = 0.581484904 + 0.6178$$
$$VD_T = 1.199312968 \text{ V}$$

% Voltage Drop

$$\% VD = \frac{VD_T}{230 \text{ V}} \times 100\%$$
$$\% VD = \frac{1.199312968}{230 \text{ V}} \times 100\%$$
$$\% VD = 0.5214 \%$$

Therefore:

Voltage Drop is less than 5% allowable by PEC

SUBMITTED BY:	PROJECT TITLE:	SUBMITTED TO:	SHEET CONTENT:
MAG-USARA BENMARK A. BSEE/3B	PROPOSED TWO (2)- STOREY RESIDENTIAL BUILDING	PAGLINAWAN, MARK MARVIN D. ENGINEER	VOLTAGE DROP (PB 1)

### VOLTAGE DROP CALCULATION (PANEL BOARD 2)

#### Feeder wire data (transformer to service equipment-section 1)

Total Full Load Current = 83.8804 A  
Size of Wire = 38 mm<sup>2</sup> THHN  
R per kilometer = 0.1500 ohms/km  
X<sub>L</sub> per kilometer = 0.0460 ohms/km  
Length of feeder Line Wire = 15 m

#### Feeder wire data (service equipment to highest load -section 2)

Total Full Load Current = 12.0000 A  
Size of Wire = 14 mm<sup>2</sup> THHN  
R per kilometer = 0.4900 ohms/km  
X<sub>L</sub> per kilometer = 0.0510 ohms/km  
Length of feeder Line Wire = 30 m

#### Line Section Voltage Drop (VD1)

$$VD_1 = \frac{\text{length}}{305} \times \frac{(VR^2 + X_L^2)}{m} \times I_{\text{section-1}}$$
$$VD_1 = \frac{15}{305} \times \frac{0.15689}{m} \times 83.88 \text{ A}$$
$$VD_1 = 0.647233271 \text{ V}$$

#### Line Section Voltage Drop (VD2)

$$VD_2 = \frac{\text{length}}{305} \times \frac{(VR^2 + X_L^2)}{m} \times I_{\text{section-1}}$$
$$VD_2 = \frac{30}{305} \times \frac{0.49265}{m} \times 12.00 \text{ A}$$
$$VD_2 = 0.581484904 \text{ V}$$

#### Total Voltage Drop

$$VD_T = VD_2 + VD_1$$
$$VD_T = 0.581484904 + 0.6472$$
$$VD_T = 1.228718175 \text{ V}$$

#### % Voltage Drop

$$\% VD = \frac{VD_T}{230 \text{ V}} \times 100\%$$
$$\% VD = \frac{1.228718175}{230 \text{ V}} \times 100\%$$
$$\% VD = 0.5342 \%$$

Therefore:

Voltage Drop is less than 5% allowable by PEC

SUBMITTED BY:

MAG-USAP BIRMARK A.  
BSEE 3B

PROJECT TITLE:

PROPOSED TWO (2)- STOREY  
RESIDENTIAL BUILDING

SUBMITTED TO:

PAGLINAWAN MARK MARVIN D.  
ENGINEER

SHEET CONTENT:

VOLTAGE DROP (PB 2)



Ohms to Neutral per Kilometer																					
X <sub>1</sub> (Resistance) for All Wires				mm <sup>2</sup>		Allowing-Current Resistance for Uncoated Copper Wires				Allowing-Current Resistance for Aluminum Wires				Elasticity Z at 0.05 PF for Uncoated Copper Wires				Elasticity Z at 0.05 PF for Aluminum Wires			
Count	Size	PVC	Aluminum	Steel	Count	Size	PVC	Aluminum	Steel	PVC	Aluminum	Steel	PVC	Aluminum	Steel	PVC	Aluminum	Steel	PVC	Aluminum	Steel
2	2	0.058	0.058	0.073	2	2	3.1	3.1	3.1	—	—	—	—	2.7	2.7	2.7	—	—	—	—	—
3	3.5	0.054	0.054	0.068	3	3.5	2	2	2	3.2	3.2	3.2	3.2	1.7	1.7	1.7	2.8	2.8	2.8	2.8	2.8
4	5.5	0.05	0.05	0.063	4	5.5	1.2	1.2	1.2	2	2	2	2	1.1	1.1	1.1	1.8	1.8	1.8	1.8	1.8
6	8	0.052	0.052	0.065	6	8	0.78	0.78	0.78	1.3	1.3	1.3	1.3	0.69	0.69	0.7	1.1	1.1	1.1	1.1	1.1
6	14	0.051	0.051	0.064	6	14	0.49	0.49	0.49	0.81	0.81	0.81	0.81	0.44	0.45	0.45	0.71	0.71	0.71	0.71	0.72
7	22	0.048	0.048	0.06	7	22	0.31	0.31	0.31	0.51	0.51	0.51	0.51	0.29	0.29	0.3	0.46	0.46	0.46	0.46	0.46
8	30	0.045	0.045	0.057	8	30	0.19	0.2	0.2	0.32	0.32	0.32	0.32	0.19	0.19	0.2	0.3	0.3	0.3	0.3	0.3
9	38	0.046	0.046	0.057	9	38	0.15	0.15	0.16	0.25	0.25	0.25	0.25	0.16	0.16	0.16	0.24	0.24	0.24	0.25	0.25
10	50	0.044	0.044	0.055	10	50	0.12	0.13	0.12	0.2	0.21	0.2	0.2	0.13	0.13	0.13	0.19	0.2	0.2	0.2	0.2
11	60	0.043	0.043	0.054	11	60	0.1	0.1	0.1	0.16	0.16	0.16	0.16	0.11	0.11	0.11	0.16	0.16	0.16	0.16	0.16
12	80	0.042	0.042	0.052	12	80	0.077	0.082	0.079	0.13	0.13	0.13	0.13	0.088	0.092	0.094	0.13	0.13	0.13	0.13	0.14
13	100	0.041	0.041	0.051	13	100	0.062	0.067	0.063	0.1	0.11	0.1	0.1	0.074	0.078	0.08	0.11	0.11	0.11	0.11	0.11
14	125	0.041	0.041	0.052	14	125	0.052	0.057	0.054	0.08	0.09	0.08	0.08	0.066	0.07	0.073	0.094	0.098	0.098	0.098	0.1
15	150	0.041	0.041	0.051	15	150	0.044	0.049	0.045	0.071	0.076	0.072	0.072	0.059	0.063	0.065	0.082	0.086	0.086	0.086	0.088
16	200	0.04	0.04	0.049	16	200	0.033	0.038	0.035	0.054	0.059	0.055	0.055	0.049	0.053	0.056	0.066	0.066	0.066	0.066	0.068
17	250	0.039	0.039	0.048	17	250	0.027	0.032	0.029	0.043	0.048	0.045	0.045	0.04	0.043	0.045	0.057	0.057	0.057	0.057	0.058
18	325	0.039	0.039	0.048	18	325	0.023	0.028	0.025	0.036	0.041	0.038	0.038	0.04	0.044	0.047	0.051	0.051	0.051	0.051	0.052
19	400	0.038	0.038	0.048	19	400	0.019	0.024	0.021	0.029	0.034	0.031	0.031	0.036	0.04	0.043	0.045	0.045	0.045	0.045	0.046
20	500	0.037	0.037	0.046	20	500	0.015	0.019	0.015	0.023	0.027	0.025	0.025	0.032	0.036	0.04	0.045	0.045	0.045	0.045	0.046

Ohms to Neutral per 1000 ft																					
Size (AWG or kcmil)	X <sub>1</sub> (Resistance) for All Wires					Allowing-Current Resistance for Uncoated Copper Wires				Allowing-Current Resistance for Aluminum Wires				Elasticity Z at 0.05 PF for Uncoated Copper Wires				Elasticity Z at 0.05 PF for Aluminum Wires			
	PVC	Aluminum	Steel	Steel		PVC	Aluminum	Steel	Steel	PVC	Aluminum	Steel	Steel	PVC	Aluminum	Steel	PVC	Aluminum	Steel		
14	0.058	0.058	0.073	0.073		3.1	3.1	3.1	3.1		—	—	—	2.7	2.7	2.7	—	—	—		
12	0.054	0.054	0.063	0.063		2	2	2	2		3.2	3.2	3.2	1.7	1.7	1.7	2.6	2.6	2.6		
10	0.05	0.05	0.063	0.063		1.2	1.2	1.2	2		2	2	2	1.1	1.1	1.1	1.8	1.8	1.8		
8	0.052	0.052	0.065	0.065		0.78	0.78	0.78	1.3		1.3	1.3	0.69	0.69	0.69	0.7	1.1	1.1			
6	0.051	0.051	0.064	0.064		0.49	0.49	0.49	0.81		0.81	0.81	0.44	0.44	0.44	0.71	0.72	0.72			
4	0.048	0.048	0.06	0.06		0.31	0.31	0.31	0.51		0.51	0.51	0.29	0.29	0.29	0.3	0.46	0.46			
3	0.047	0.047	0.059	0.059		0.25	0.25	0.25	0.4		0.41	0.4	0.23	0.24	0.24	0.26	0.37	0.37			
2	0.045	0.045	0.057	0.057		0.19	0.19	0.19	0.32		0.32	0.32	0.19	0.19	0.19	0.2	0.3	0.3			
1	0.046	0.046	0.057	0.057		0.15	0.15	0.15	0.25		0.25	0.25	0.15	0.15	0.15	0.16	0.24	0.25			
1/0	0.044	0.044	0.055	0.055		0.12	0.13	0.12	0.2		0.21	0.2	0.13	0.13	0.13	0.13	0.19	0.2			
2/0	0.043	0.043	0.054	0.054		0.1	0.1	0.1	0.16		0.16	0.16	0.11	0.11	0.11	0.11	0.16	0.16			
3/0	0.042	0.042	0.053	0.053		0.077	0.082	0.079	0.13		0.13	0.13	0.088	0.092	0.094	0.13	0.13	0.14			
4/0	0.041	0.041	0.053	0.053		0.062	0.067	0.063	0.1		0.1	0.1	0.074	0.078	0.08	0.11	0.11	0.11			
250	0.041	0.041	0.051	0.051		0.053	0.057	0.054	0.08		0.08	0.08	0.066	0.07	0.073	0.094	0.098	0.1			
300	0.041	0.041	0.051	0.051		0.044	0.049	0.045	0.071		0.076	0.072	0.059	0.063	0.065	0.082	0.086	0.088			
350	0.04	0.04	0.05	0.05		0.038	0.043	0.039	0.061		0.066	0.063	0.053	0.056	0.058	0.073	0.077	0.08			
400	0.04	0.04	0.049	0.049		0.033	0.038	0.035	0.054		0.059	0.055	0.049	0.053	0.056	0.066	0.072	0.073			
500	0.039	0.039	0.048	0.048		0.027	0.032	0.029	0.043		0.048	0.045	0.043	0.045	0.046	0.057	0.061	0.064			
600	0.039	0.039	0.048	0.048		0.023	0.028	0.025	0.036		0.041	0.038	0.04	0.044	0.045	0.053	0.056	0.058			
750	0.038	0.038	0.048	0.048		0.019	0.024	0.021	0.029		0.034	0.031	0.035	0.04	0.043	0.045	0.049	0.051			
1000	0.037	0.037	0.046	0.046		0.015	0.019	0.015	0.023		0.027	0.025	0.032	0.036	0.04	0.046	0.049	0.051			

SUBMITTED BY:

PROJECT TITLE:

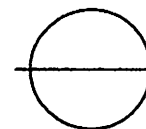
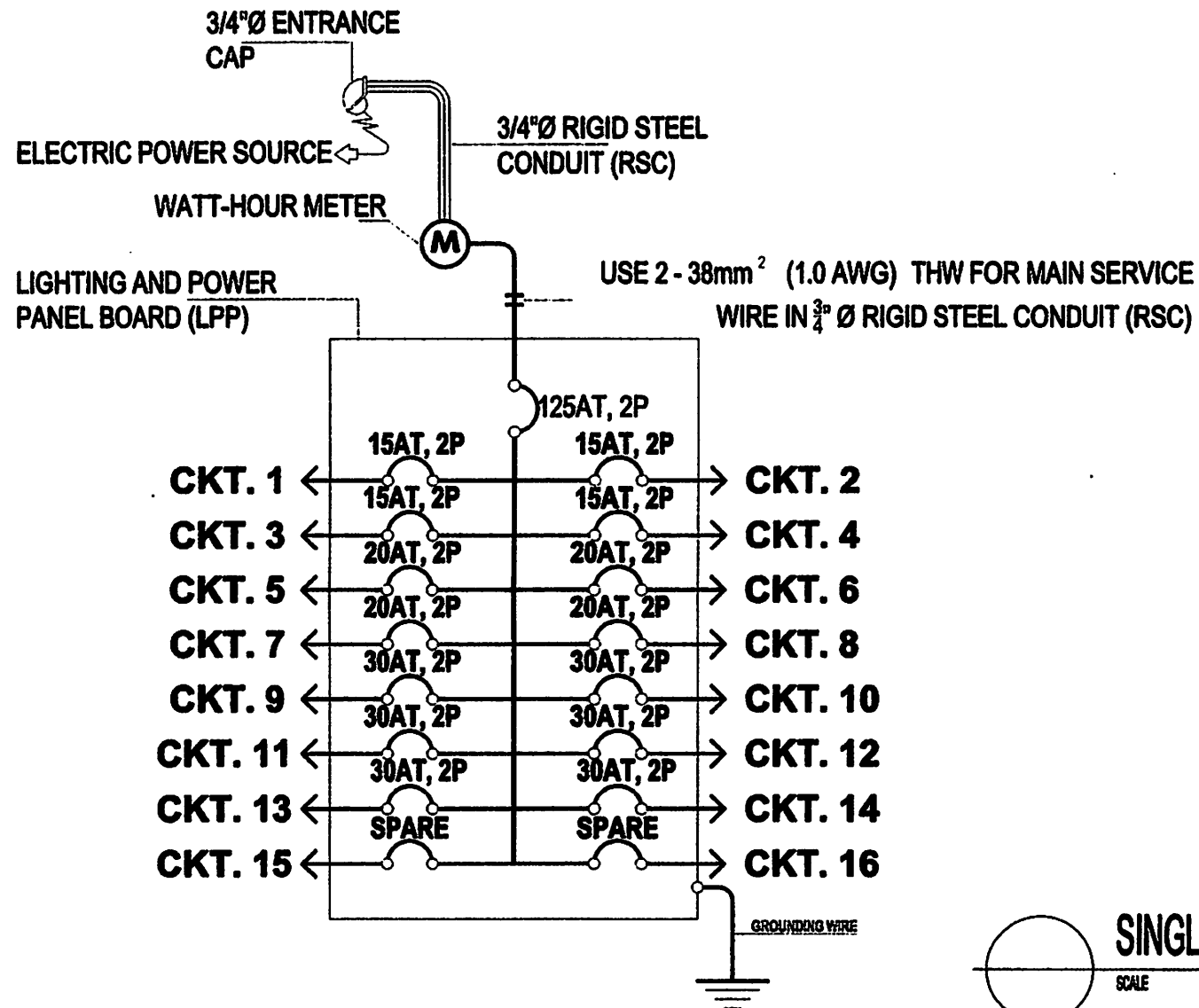
SHEET CONTENT:

MAG-USAR  MARK MARVIN D.

PROPOSED TWO (2)- STOREY  
RESIDENTIAL BUILDING

CONDUCTOR DATA

BSEE/3B

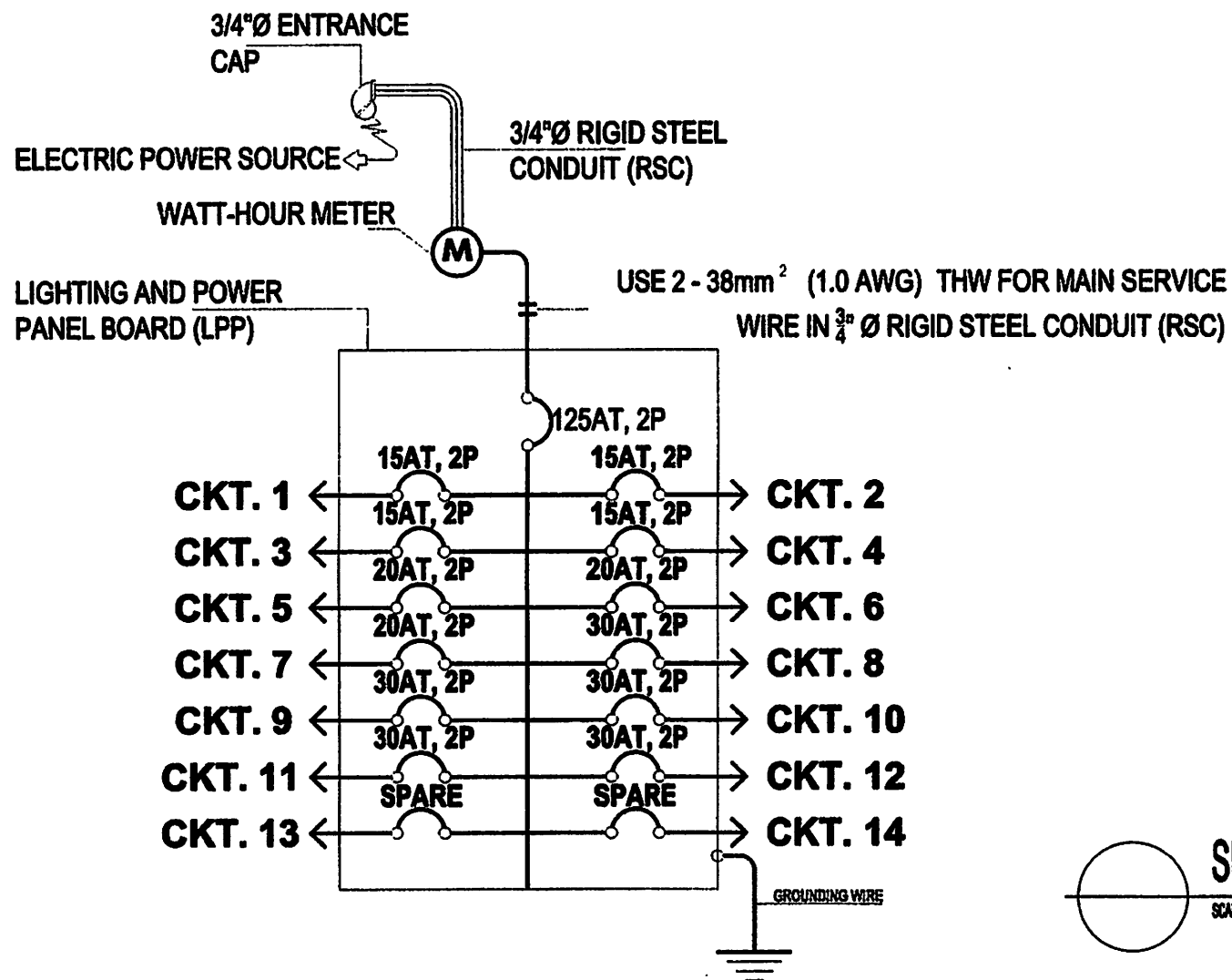


**SINGLE LINE DIAGRAM (PANEL BOARD 1)**

SCALE



1:1

SUBMITTED BY:	PROJECT TITLE:	SUBMITTED TO:	SHEET CONTENT:
MAG-USARA MARK A. BSEE/BS	PROPOSED TWO (2)- STOREY RESIDENTIAL BUILDING	PAGLINAWAN MARK MARVIN D. ENGINEER	SINGLE LINE DIAGRAM (PB1)





**SINGLE LINE DIAGRAM (PANEL BOARD 2)**

SCALE \_\_\_\_\_ 1:1M

SUBMITTED BY:	PROJECT TITLE:	SUBMITTED TO:	SHEET CONTENT:
 <b>MAG-USARA MARK A.</b> <b>BSEP 3B</b>	<b>PROPOSED TWO (2)- STOREY RESIDENTIAL BUILDING</b>	 <b>PAGLINAWAN MARK MARVIN D.</b> <b>BSEP 3B</b>	<b>SINGLE LINE DIAGRAM (PB2)</b>



COST COMPUTATION OF (ELECTRICAL WORKS) INSTALLATION					
No.	Materials	Unit	Quantity	Unit Price (Pesos)	Cost (Pesos)
1	3.5mm <sup>2</sup> THHN Wire	m	300	24.00	7,200.00
2	5.5mm <sup>2</sup> THHN Wire	m	250	36.00	9,000.00
3	14mm <sup>2</sup> THHN Wire	m	200	50.00	10,000.00
4	38mm <sup>2</sup> THHN Wire	m	200	167.20	33,440.00
5	Flexible Electrical Hose	m	250	5.00	1,250.00
6	1/2 PVC PIPES	pc.	200	58.00	11,600.00
7	3/4 PVC PIPES	pc.	150	76.00	11,400.00
8	1 gang switches	pc.	32	110.00	3,520.00
9	2 gang switches	pc.	4	140.00	560.00
10	3 gang switches	pc.	1	240.00	240.00
11	Panel Board 16 slot	pc.	2	3,500.00	7,000.00
12	1 gang general purpose outlets	pc.	63	67.00	4,221.00
13	1 gang SPECIAL Purpose Outlets	pc.	11	99.00	1,089.00
14	PVC Clamp	pc.	650	1.35	877.50
15	Junction Box	pc.	40	30.16	1,206.40
16	Receptacle box	pc.	40	30.16	1,206.40
17	Utility Box	pc.	40	34.20	1,368.00
18	15A Breaker	pc.	8	690.00	5,520.00
19	20A Breaker	pc.	7	940.00	6,580.00
20	30A Breaker	pc.	11	950.00	10,450.00
21	125 A MAIN BREAKER	pc.	1	4,626.00	4,626.00
22	PVC Elbow	pc.	300	25.00	7,500.00
23	Electrical Tape	pc.	70	33.98	2,378.60
24	35 Watts Pin Light Bulb	pc.	222	430.00	95,460.00
25	Pin Light Fixture	pc.	222	285.00	63,270.00
26	Service Entrance Cap	pc.	2	53.44	106.88
27	Bushing and Locknut	pc.	250	8.25	2,062.50
			Total		303,132.28
			with 10%		30,313.23
			Total cost and estimation		333,445.51

SUBMITTED BY:	PROJECT TITLE:	SUBMITTED TO:	SHEET CONTENT:
MAG-USARA  BSSEE-16	PROPOSED TWO (2)- STOREY RESIDENTIAL BUILDING	PAGLINAWAN, MARK MARVIN D.  Engineer	TOTAL COST and ESTIMATION



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Republic of the Philippines  
**SURIGAO STATE COLLEGE OF TECHNOLOGY**  
Narciso Street, Surigao City



CERTIFICATE NUMBER: AJA19-0225

## DOCUMENTATION



Participating in the Google Meet.



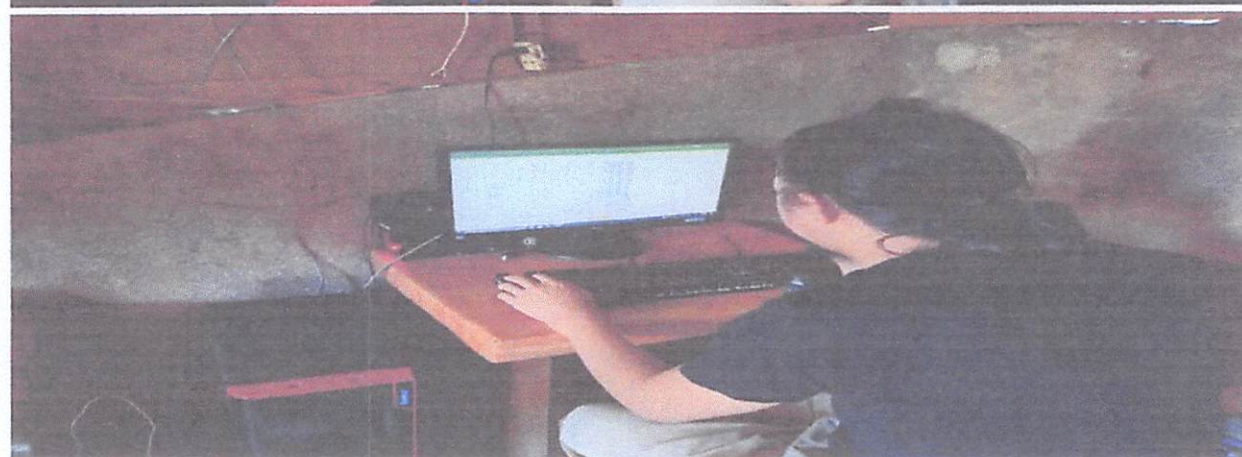
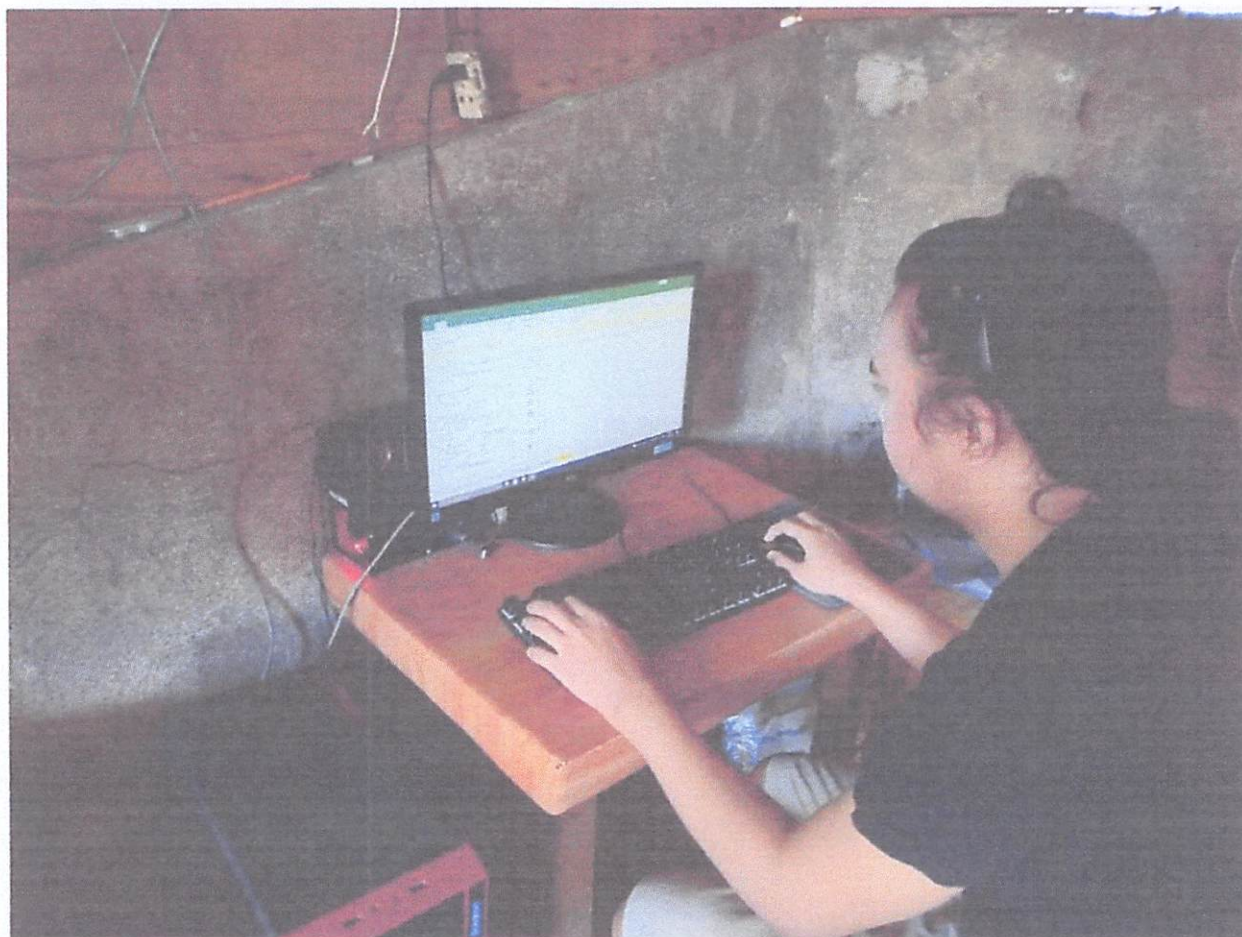


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Narciso Street, Surigao City



CERTIFICATE NUMBER: AJA19-0225



Done with the calculation of Schedule of loads, Design Analysis, and Voltage Drop





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Narciso Street, Surigao City



CERTIFICATE NUMBER: AJA19-0225

## ASSESSMENT OF WORK EXPERIENCE

During my work experience in Practicum - On-the-Job Training, I was fortunate enough to have firsthand experience and learn many different aspects of what goes into a project, including the general process of how a project is initially planned, developed, and completed, as well as the amount of work and detail that goes into each stage.

Another key lesson I gained throughout these 240 hrs. OJT was the many different sorts of work that an Engineer is responsible for, which has given me a better understanding of the various tasks and duties that I may undertake as an Electrical Engineer.

Overall, my Practicum-On-the-Job Training experience was positive. In my 240 hrs Practicum-On-the-Job Training as a Student Engineer in Surigao State College of Technology (SSCT), I was quite pleased with the number of things I learned and experienced. I'm glad and proud to have completed my Practicum-on-the-Job Training assigned task.



**SURIGAO STATE COLLEGE OF TECHNOLOGY  
NARCISO ST., SURIGAO CITY  
MAIN CAMPUS**

A Narrative Report in  
On-The-Job Training Undertake at  
SSCT College of Engineering and Information Technology  
Located at Narciso St., Surigao City

Presented to the Placement Office  
Surigao State College of Technology  
Narciso St., Surigao City

In the Fulfillment of the Requirements of the Degree of  
Bachelor of Science in Electrical Engineering(BSEE)

Submitted by:  
Darriel C. Benedicto  
BSEE

Submitted to:  
Mr. Romel C. De La Cruz, PhEdD  
Placement Coordinator

Summer 2018-2019

**CONTENTS OF THE NARRATIVE REPORTS**

1. Approval Sheet (Certification from the Division Chair man and Vice President for Academic Affairs)	1
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12. OJT Performace Rating Sheet (photocopy)	21
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Republic of the Philippines  
**SURIGAO STATE COLLEGE OF TECHNOLOGY**  
Narciso Street, Surigao City

"For Nation's Greater Heights"

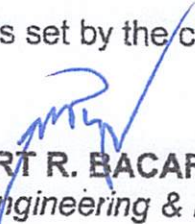


CERTIFICATE NUMBER: AJA-19-0225

## COLLEGE OF ENGINEERING & INFORMATION TECHNOLOGY

### ENDORSEMENT

This is to endorse Mr/Ms BENEDICTO, Darriel  
a bonafide student of Surigao State College of Technology under the Bachelor of Science in Electrical Engineering program to undergo **ON THE - JOB - TRAINING (OJT)** after having been evaluated by the Program Chair to be compliant of the mandatory academic requirements set by the college.

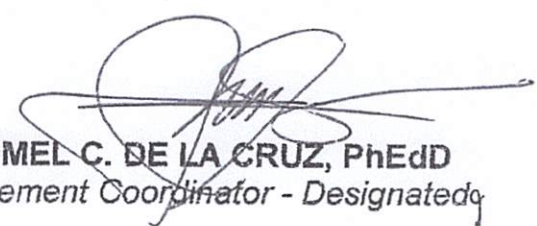
  
**ENGR ROBERT R. BACARRO, MECE, MBA**  
Dean, College of Engineering & Information Technology

### CERTIFICATION

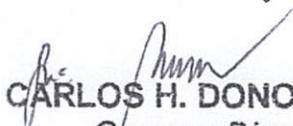
TO WHOM IT MAY CONCERN:

This is to certify that Mr/Ms BENEDICTO, Darriel  
a Fifth Year BSEE Student to undergo the 240 hours **ON THE - JOB - TRAINING (OJT)**, this Summer 2019 in partial fulfilment for the degree Bachelor of Science in Electrical Engineering.

This certificate is given on June 13, 2019 for whatever legitimate purposes this may serve him/her.

  
**ROMEL C. DE LA CRUZ, PhEdD**  
Placement Coordinator - Designated

Noted by:

  
**CARLOS H. DONOSO, EdD**  
Campus Director

## **Introduction**

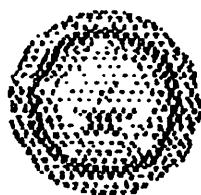
On-The-Job-Training are part of a college curriculum that not only aims to train and orient students about the work and their future career but to show the students the reality of the actual world. The trainee learns in the real work environment and gain experience dealing with task and challenges that will meet during a normal working day.

For the students, an internship program provides opportunities to go through the actual methodologies of a specific job using the real tools, equipments and documents. In effect, the workplace becomes a development venue for a student trainee to learn more about her chosen field and practice what she has learned from the institutuion.

On the other hand, an effective internship program also benefits the host company who accept trainees. Interns provide additional manpower for a lesser labor cost than a regular employee. Most of them are all eager to learn the ropes so chances are high that they will cooperate.

Moreover, internships focuses on the acquisition of skills within the working environment generally under normal condition. The aquired general skills of the trainees from training can be performed from one task to another while the specific skills can be shown uniquely to a particular job.

Presently, SUC's includes OJT in the curriculum to meet the standard of growing IT industry. It is done by deploying interns into host companies to complete a training within a certain period of time. OJT can become a powerful tools and possibly even be a source of experience when students take the big lift from being a student to career professionals.



SURIGAO STATE COLLEGE  
OF TECHNOLOGY

Document Code No:	FM-SRCT-RFG-007
Revision No:	0001
Effective Date:	01 January 2019
Page No:	1 of 1

Certificate of Registration

Summer AY 2018 - 2019

ID No: 2012 - 1040	Last Name BENEDICTO	First Name DARRIEL	Middle Name C.	Sex Male				
PROGRAM: Bachelor of Science in Electrical Engineering MAJOR:				YEAR LEVEL: Fourth Year STATUS: OLD				
Section	Course	Day	Time	Room	Code	Lec Hrs.	Lab Hrs.	Units
GSEC - A	EE 108 AC Apparatus and Devices	[M,T,W,Th,F,S]	[01:00PM- 02:00PM]	[CB 104]	00141	2	3	3
BSFE - JA	EE 200 EE PRACTICUM (Company Exposure and Reporting) 240hrs.				00134	0	0	3
								Total Units: 6.0

Certified by: \_\_\_\_\_

Assessment

Description	Amount
Other Service Income - OJT Fee	800.00
School Fees - Tuition College	1,800.00
Registration Fees	150.00
Other Service Income - Guidance Fee	150.00
Other Service Income - Media Resource Fee	50.00
School Fees - Library Fee	150.00
School Fees - Laboratory Fee	130.00
Total:	3,030.00



## Darriel C. Benedicto

Panikian, Carrascal, Surigao Del Sur  
09505606281  
Darriel.benedicto7@gmail.com



### OBJECTIVE

---

I am perseveringly looking for an intern job that will beneficially help my experiences and learning as an Electrical Engineering student. A job that will help me to gain knowledge, creates more ideas about my field, camaraderie and learn/train how to become a professional worker.

### PERSONAL BACKGROUND

---

Age	: 23 years old
Sex	: Male
Date of Birth	: December 4, 1995
Religion	: Roman Catholic
Civil Status	: Single
Height	: 5'9"
Weight	: 74 kg.
Father's name	: Exuperancio I. Benedicto
Occupation	: Ice Cream Vendor
Mother's name	: Ellen C. Benedicto
Occupation	: Housewife

*Person to contact in case of emergency:* Ellen C. Benedicto  
*Contact Number* : 09077726961

### EDUCATIONAL BACKGROUND

---

<b>Tertiary</b>	: Surigao State College of Technology Narciso St., Surigao City Bachelor of Science in Electrical Engineering Present 2012-2019
<b>Secondary</b>	: Panikian National High School Panikian, Carrascal, Surigao Del Sur 2008-2012
<b>Elementary</b>	: Panikian Elementary School Panikian, Carrascal, Surigao Del Sur 2002-2008

## **LANGUAGE**

Filipino, English, Bisaya

---

## **SKILLS AND CAPABILITIES**

---

- **Basic knowledge in Electrical Engineering related applications**
  - Soldering Components
  - Electrical wiring
  - MATLAB
- **Proficient in Microsoft Office application such as:**
  - Microsoft Office Word
  - Microsoft Office Powepoint
  - Microsoft Office Excel
- **Leadership Skills**
- **Technology literate**
- **Responsible and Flexible**
- **Willing to be trained, to learn and committed to work.**

## **SEMINAR AND TRAINING**

---

### **1st IIEE SURIGAO DEL NORTE CHAPTER COVENTION AND EXECOM CHAPTER VISIT**

Gateway Hotel, Surigao City  
October 26-27, 2018

### **Workshop on Hardware Description Languages and Field Programmable Gate Arrays**

Surigao State College of Technology  
April 25, 2019

### **Seminar on Electrical Power System, SURNECO Rate Components and Electrical Safety**

Surigao Education Center  
August 24, 2018

## **CHARACTER REFERENCE**

---

**ENGR. JOSELITO BALDAPAN**

Professional Electrical Engineer (PEE)

College of Engineering & Information Technology Program Chair, BSEE

09998531847

Surigao State College of Technology

Narciso Street, Surigao City

**ENGR. CONRADO B. DELOSA JR.**

Licensed Electrical Engineer

IIEES-SSCT, Adviser

09985694470

Surigao State College of Technology

Narciso Street, Surigao City

**ENGR. AUREA M. MADELO**

Licensed Electronics Engineer

Surigao State College of Technology

Narciso Street, Surigao City

---

I hereby certify that the above records and information are true and correct to the best of my knowledge, belief and ability.

  
**Darriel C. Benedicto**  
Student Trainee Applicant





Republic of the Philippines  
**SURIGAO STATE COLLEGE OF TECHNOLOGY**  
 Narciso Street, Surigao City

"For Nation's Greater Heights"



Republic of the Philippines )  
 Province of Surigao del Norte ) S.S.  
 City of Surigao )

### AFFIDAVIT OF WAIVER

That I, Daniel C. Benedicto, of legal age, Filipino, and a resident of Paritang, Carmona, SCS, after being sworn to in accordance with law do hereby depose and say:

That I am a 5th year BSEE student from the SURIGAO STATE COLLEGE OF TECHNOLOGY Surigao City Campus;

That I am applying as On-the-Job trainee at SSCT - main campus

That being privileged to work in your establishment, I promise to render the necessary work to the best of my ability in order that my practicum shall be brought to successful end;

That while performing the OJT, and for the duration thereof, I shall abide by the rules and policies of the company / industry relative to work, and further, that I shall follow and obey other orders and instructions incidental thereto;

That I do hereby waive and renounce any right to damages for any injury sustained by me in the course or connection with my job as a student-trainee;

IN WITNESS WHEREOF, I have hereunto set my hands this 14 day of June, 2019 in the City of Surigao.

Conforme:

[Signature]  
 Signature of Parent / Guardian

[Signature]  
 Affiant

Noted:

[Signature]  
**ROMEL C. DE LA CRUZ, PhEdD**  
 Placement Coordinator - Designate

[Signature]  
**ENGR. ROBERT R. BACARRO, MECE, MBA**  
 Dean, College of Engineering and Information Tech.

SUBSCRIBED AND SWORN to before me this 15th day of June, 2019 at Surigao City Philippines, affiant exhibited mto me his / her Residence Certificate No. \_\_\_\_\_ issued on \_\_\_\_\_ at \_\_\_\_\_

DOC. NO. 31947  
 PAGE NO. 10  
 BOOK NO. YII  
 SERIES OF 2019  
 Tel. Nos.: (086) 826-0135;  
 (086) 231-7798

[Signature]  
**JOSE E. VILLACES**  
 NOTARY PUBLIC  
 UNTIL DECEMBER 31, 2019  
 PTR No. 0573322, 01- 7 - 19 - S.C.  
 TIN: 31-443-873 - SURIGAO CITY  
 Email: [surigaostatecollege@yahoo.com](mailto:surigaostatecollege@yahoo.com)  
 URL: [ssct.edu.ph](http://ssct.edu.ph)



**PARENT'S CONSENT**

I, Ellen C. Benedicto and Exuperancio T. Benedicto Jr. parent/guardian of Daniel C. Benedicto, a prospective student trainee of the Surigao State College of Technology, Main Campus, Surigao City, have hereunto grant permission for him/her to undergo 2 months or 240 hours On-the-Job Training (OJT) at SSCT - Main Campus which is a requirement for graduation.

That we made it known our continued financial, moral support and assistance to him/her during the duration of the training. That we shall adhere to any disciplinary action of the school, such as dropping him/her from the rolls of trainees should it be found that he/she is frequent absentee and / or notoriously undesirable trainee.

It is fully known that we have read and understand all the contents of the parent's consent and we have signed the same with our voluntary act and deed.

Signed this 14 day of JUNE, 2019 in the City of Surigao, Philippines.

Exuper  
Signature of father / Guardian

E. Benedicto  
Signature of mother / Guardian

Conforme:

[Signature]  
Signature of Student Trainee

Noted by:

[Signature]  
**ROMEL C. DE LA CRUZ, PhD**  
Placement Coordinator - Designate

[Signature]  
**ENGR. ROBERT R. BACARRO, MECE, MBA**  
Dean, College of Engineering and Information Tech.

SUBSCRIBED AND SWORN TO ME BEFORE THIS 15th day of June, 2019 at Surigao City Philippines, affiant exhibited to me his / her Residence Certificate No. \_\_\_\_\_ issued on \_\_\_\_\_ at \_\_\_\_\_.

DOC. NO. 31948  
PAGE NO. 10  
BOOK NO. XII  
SERIES OF 2019

[Signature]  
**JOSE E. VILLACES**  
NOTARY PUBLIC  
UNTIL DECEMBER 31, 2019  
PTR No. 0573322, 01-7-19, S.C.  
IBP No. 066424, 01-08-19, S.C.  
TIN: 31-443-873 - SURIGAO CITY

**INDUSTRY PARTNER**

**SSCT MAIN CAMPUS**



**COLLEGE OF ENGINEERING AND INFORMATION TECHNOLOGY**



## **HISTORY OF THE SCHOOL**

The Surigao State College of Technology is a public college in the Philippines. It is mandated to provide higher vocational, professional and technological instruction and training in the fields of agriculture, fisheries, engineering and sciences, as well as short-term technical courses. It is also mandated to provide primary consideration to the integration of research/studies for the development of the Province of Surigao del Norte. Its main campus is located in Surigao City. Established on June 15, 1998.

History Surigao State College of Technology (SSCT) was formerly Surigao del Norte School of Arts and Trades, established as a trade school with the help of then Governor Jose C. Sering on August 8, 1969 by virtue of Republic Act 6057 under the supervision of Supt. Marcelo S. Bonilla of Cebu School of Arts and Trades, Cebu City. The school formally started its operation on September 15, 1969 with borrowed technology teachers from three different schools of the province. There were 103 pioneering students in the first secondary trade and the trade technical curricula. Two 2-storey buildings were constructed upon donation of 1.2 hectares of land through the Provincial Government.

Along with this, several machineries were acquired from Japan Overseas Cooperation Volunteers; Technical Vocational Education Program; Asian Development Bank; and Philippine Australian Technical Vocational Education Program which became instruments of becoming a fullfledged higher institution offering Bachelor of Science in Industrial Technology and the Bachelor of Science in Industrial Education. From 1969 to 1988, Dr. Tomas P. Solana, the principal of Numancia National Vocational School (NNVS) served as its 1st Principal and later became the College Vocational School Superintendent II and steered SNSAT for almost two decades. Upon Dr. Tomas P. Solana's retirement in February 1988, Dr. Ernesto N. Gonzales assumed into office as the Vocational College Superintendent. Through the efforts of the late Senator Robert Z. Barbers, R.A. 8650 merged SNSAT with the Malimono School of Fisheries, a secondary school that offered the Revised Fisheries Curriculum of 1972 under P.D. 223 in 1975, thereby creating the Surigao State College of Technology (SSCT) which was signed into law on June 5, 1998 by then President Fidel V. Ramos. With the conversion of SNSAT and Malimono School of Fisheries to a State College, there was a major review of its organization, curriculum, and programs and standards under Dr. Teresita T. Tumapon who took the seat as the 1st College President on September 25, 1998. The chartered State College integrated a satellite campus on October 30, 2000 which is the Siargao National College of Science and Technology or SNCST situated in Del Carmen, Surigao del Norte.

The integration was made pursuant to Section 8 of RA 7722 and Section 4.1 of RA 8292. Dr. Gloria C. Gemparo, VIS-III of SSCT assumed as its 1st College Administrator until May 14, 1998. The retirement of Dr. Tumapon on October 2, 2003 paved the way for Dr. Reynaldo T. Peña as the 2nd College President on October 3, 2003 and after more than four (4) months of presidency, Dr. Peña opted to end his term on February 29, 2004 to assume as Regional Director of CHED –Region XI, Davao City where the

then CHED Regional Director, Dr. Joanna B. Cuenca was designated as the Officer-in-Charge of the College on March 1, 2004 until March 3, 2005. Engr. Henry L. Lañada, Ph.D. assumed into office on March 4, 2005, as the 3rd College President of the Surigao State College of Technology and unexpectedly resigned on January 4, 2007 which eventually led to the designation of Dr. Jocelyn T. Medina as Acting President effective January 5, 2007 per BOT Resolution No. 490 s.2007. On May 11, 2007, the Board passed Resolution No. 521 s. 2007 approving the appointment of Dr. Medina as the College President to serve the unexpired term of Dr. Lañada effective May 15, 2007. On March 4, 2009, Dr. Anastacio P. Martinez succeeded Dr. Medina and was designated as Officer-in-Charge to the Office of the President per BOT Resolution No. 661 s. 2009 who served the College until August 14, 2009. On August 15, 2009, Dr. Virginia D. Akiate who was the Regional Director of the Commission on Higher Education in CARAGA Region was designated as Officer-in-Charge of the College and was confirmed by the Board per Resolution No. 716 s. 2009 during its Special Meeting on October 30, 2009 at Almont Hotel and Inland Resort in Butuan City.

Her designation as OIC ended on November 30, 2010. The Surigao del Norte College of Agriculture and Technology (SNCAT) which was formerly the Mainit National Agricultural School (MNAS) by virtue of R.A. 5256 1983 Batas Pambansa Blg. 358 on May 26, 1969 was integrated to SSCT through a Memorandum of Agreement (MOA) entered into by and between CHED and TESDA on October 10, 2008 duly represented by TESDA Director General Emmanuel Joel J. Villanueva and Dir. Virginia D. Akiate who was then the CHED Regional Director in Caraga at the same time the Officer-in-Charge of SSCT with the presence of the two representatives of Surigao del Norte, Cong Francisco T. Matugas of District I and Cong. Guillermo A. Romarate Jr. of District II. Under the Memorandum of Agreement, the Higher Education Programs of Surigao del Norte College of Agriculture and Technology (SNCAT) will be placed under the direct supervision of SSCT. The same was confirmed by the Board through Resolution No. 735 s. 2009 on December 28, 2009 during its 44th BOT Meeting. Dr. Georgito G. Posesano, Professor II of SSCT-Main Campus was designated on November 25, 2010 as its Campus Director.

The year 2010 marked another milestone in the history of SSCT as the new lady president, Dr. Gloria C. Gemparo, after undergoing the year-long selection process, assumed into office as the 5th College President of the Surigao State College of Technology on December 1, 2010 pursuant to BOT Resolution No. 25 s. 2010. With Dr. Gemparo at its helm, everybody hopes for a bright future as it faces 21st Century challenges in pursuit of quality and relevant education for all its constituents.

Dr. Gloria C. Gemparo ended her four-year term of office seat and Dr. Ecclesiastes T. Dumanig was designated as Office-in-Charge in 2015 until January 18, 2016 in which Dr. Gregorio Z. Gamboa Jr., the 6<sup>th</sup> President of Surigao State College of Technology assumed into office after a yearlong process of selection.

## **COMPANY PROFILE**

### **Objectives:**

We strive to help CEIT of SSCT attain its goals as learning institution through;

### **VISION**

To be a center of excellence in engineering and information technology education.

### **MISSION**

To provide relevant, quality and sustainable instruction, research and extension programs and services to produce responsible and globally competitive individuals in the fields of engineering and information technology.

### **GOALS**

1. An outcomes-based learning experience for students that fosters the application of engineering and information technology disciplines.
2. Research, innovation and creative works that promote a sustainable, just, and prosperous world.
3. Establish linkages with industry, government and other sectors in the realization of common goals.

### **OBE Framework**

In compliance with the Commission of Higher Education (CHED) Memorandum Order Nos. 37 and 46 series of 2012, the College of Engineering and Information Technology adopts the Outcomes-Based Education (OBE) system in the implementation of its academic programs.

The center of the SSCT College of Engineering and Information Technology OBE framework is CMO 37 and 46 which specifies the standards of Outcomes-Based Education in the Philippines where the learning outcomes, learning environment, teaching-learning activities, and assessment & evaluation were all anchored on. All these activities were also based on the Program Educational Objectives (PEO) which is also based on the Vision, Mission, and Goals of the college. The PEO shall undergo accreditation process so that it can be certified in complying the Outcome-Based Education.





"For Nation's Greater Heights"

# SURIGAO STATE COLLEGE OF TECHNOLOGY

Document Code No.	FM-SSCT-PLM-004
Revision No.	00
Effective Date	20 September 2018
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## OJT DAILY ACCOMPLISHMENT REPORT

Name of Industry SSCT  
Address of Industry Narciso St. Surigao City

Date	Activities Done	Remarks
July		
17	→ Installing Tr & outlet 3rd floor Engineering Building	
18		
19		
22	→ Inspection Maintenance of wirings S&T Building.	
23		
24		
25		
29	→ Computing loads of Engineering Building	
30		
31		

Prepared by: Daniel C. Benedict  
Name of Student

Noted by: JOSE LITO S. BALDARAN  
Supervisor

Date: July 17, 2019

Date: August 20, 2019



"For Nation's Greater Heights"

# SURIGAO STATE COLLEGE OF TECHNOLOGY

Document Code No.	FM-SSCT-PLM-004
Revision No.	00
Effective Date	20 September 2018
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## OJT DAILY ACCOMPLISHMENT REPORT

Name of Industry SSCT  
Address of Industry Narciso str., Surigao City

Date	Activities Done	Remarks
August		
1	-Preparing Manuscript / Paper for PSEE Accreditation Iul II	
2	-Preparing Manuscript / Paper for PSEE Accreditation Iul II	
5		
6		
7	→ Inspectioning Emergency light of Engineering bldg	
8		
9		
13		
14		
15	→ Observing Wiring Installation in newly terminated rooms	
16		
19		
20		
22		
23	→ Installing of Tr and socket / outlet 2nd floor Engineering Building	
27		
28		
29		
30	→ Installing of Tr and outlet of 3rd floor Engineering Building	

Prepared by: Daniel C. Benedicto  
Name of Student

Noted by: JOSE LITO S. BALDARIN  
Supervisor

Date: July 17, 2019

Date: August 30, 2019

No. \_\_\_\_\_ Pay Ending July 2019


Name Benedicto, Daniel C. Position OST


Dept. CEIT Age 24

Hours	Rate	Amount	DEDUCTIONS	ABSENCES		
Reg				Fines		
Over				Withhold- ing Tax		
				SSS		
Total Earnings						
Less: Deductions						
NET PAY			TOTAL			

Days	MORNING		AFTERNOON		OVERTIME	
	IN	OUT	IN	OUT	IN	OUT
16						
17	8:00	12:00	1:00	5:00		
18	8:00	12:00	1:00	5:00		
19	8:00	12:00	1:00	5:00		
20	REST DAY					
21	REST DAY					
22	7:40	12:03	12:50	5:03		
23	8:00	12:00	1:00	5:00		
24	7:51	12:01	1:00	5:00		
25	8:00	12:00	1:00	5:00		
26	8:00	12:00	1:00	5:00		
27	REST DAY					
28	REST DAY					
29	8:00	12:03	12:50	5:03		
30	8:00	12:03	1:00	5:00		
31	8:00	12:07	1:00	5:00		

I hereby certify that the above records are true and correct.

 DATA

 EMPLOYEE'S SIGNATURE

No. \_\_\_\_\_ Pay Ending August 2019

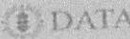
Name Benedicto, Daniel C. Position OST

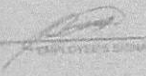
Dept. CEIT Age 24

Hours	Rate	Amount	DEDUCTIONS	ABSENCES		
Reg				Fines		
Over				Withhold- ing Tax		
				SSS		
Total Earnings						
Less: Deductions						
NET PAY			TOTAL			

Days	MORNING		AFTERNOON		OVERTIME	
	IN	OUT	IN	OUT	IN	OUT
1	8:00	12:00	1:00	5:00		
2	8:00	12:00	1:00	5:00		
3	REST DAY					
4	REST DAY					
5	8:00	12:00	1:00	5:00		
6	8:00	12:00	1:00	5:00		
7	8:00	12:00	1:00	5:00		
8	8:00	12:00	1:00	5:00		
9	8:00	12:00	1:00	5:00		
10	REST DAY					
11	REST DAY					
12	Holiday					
13	8:00	12:00	1:00	5:00		
14	8:00	12:00	1:00	5:00		
15	8:00	12:00	1:00	5:00		

I hereby certify that the above records are true and correct.

 DATA

 EMPLOYEE'S SIGNATURE



No. \_\_\_\_\_ Pay Ending August 2019

Name Benedicto, Daniel C. Position IT


Dept. CE IT Age 24

Hours	Rate	Amount	DEDUCTIONS	ABSENCES	
Reg.				Fines	
Ovcr.				Withhold- ing Tax	
				S.S.S.	
Total Earnings					
Less Deductions					
NET PAY				TOTAL	

Days	MORNING		AFTERNOON		OVERTIME	
	IN	OUT	IN	OUT	IN	OUT
16	8:00	12:00	1:00	5:00		
17	REST DAY					
18	REST DAY					
19	8:00	12:00	1:00	5:00		
20	8:00	12:00	1:00	5:00		
21	Holiday					
22	8:00	12:00	1:00	5:00		
23	8:00	12:00	1:00	5:00		
24	REST DAY					
25	REST DAY					
26	Holiday					
27	8:00	12:00	1:00	5:00		
28	8:00	12:00	1:00	5:00		
29	8:00	12:00	1:00	5:00		
30	8:00	12:00	1:00	5:00		
31						

I hereby certify that the above records are true and correct.

DATA


  
EMPLOYEE'S SIGNATURE

Summary

Month	Hours
July	80
August	160
Total	240 hours

SURIGAO STATE COLLEGE OF TECHNOLOGY  
SURIGAO CITY

# CERTIFICATION OF COMPLETION

This certify that

**DARRIEL C. BENEDICTO**

Has exhibited a good performance, willingness and patience to learn/enable here to finish the job on time. He diligently handle whatever task assigned and deliver more than what expected of him during his practicum at BUILDING AND STATE SSCT.

Issued this **13th day of September, 2019** at Surigao State College of Technology, Surigao City Phiippines.

**Josecito S. Baldapan**

Program Chair, Bachelor in Science in Electrical Engineering





"For Nation's Greater Heights"

# SURIGAO STATE COLLEGE OF TECHNOLOGY

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Revision No.	00
Effective Date	20 September 2018
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## OJT PERFORMANCE RATING SHEET

<u>Dorriel C. Benavides</u> Name of Student	<u>BSEE-5</u> Course/Year	<u>Electrical Engineering</u> Major
<u>SSCT</u> Name of Industry	<u>Narciso st. Surigao City</u> Address of Industry	
<u>July 17, 2019</u> Start of Training	<u>August 30, 2019</u> End of Training	

### DIRECTION:

The evaluation checklist below shall be used for rating the performance of students taking On-the-Job Training (OJT). Please check (✓) the column that best described the performance of the trainee. The rating is as follows: 5 means Excellent/Outstanding; 4 means Very Satisfactory; 3 means Satisfactory; 2 means Unsatisfactory; and 1 means Poor.

### OJT – Supervised Industrial Training

CRITERIA	1	2	3	4	5
Attendance & Punctuality					✓
Work Habits & Attitudes					✓
Quality of Works				✓	
Judgment				✓	
Cooperation					✓
Honesty & Dependability					✓
Comprehension					✓
Safety					✓
Relationship with Superiors				✓	
Relationship with Co-trainees				✓	
Emotional Stability & Maturity				✓	
Leadership				✓	

Sum 24 + 30

Total 54

Equivalent Rating 1.25

### COMMENTS/OBSERVATIONS:

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### Equivalent Rating

60 -	1.00	35 - 30	2.25
59 - 54	1.25	29 - 24	2.50
53 - 48	1.50	23 - 18	2.75
47 - 42	1.75	17 - 12	3.00
41 - 36	2.00	11 - 6	4.00

Rated by:

JOSELITO S. BALDAPANI  
Foreman/Supervisor

Approved: JOSELITO S. BALDAPANI  
(Dept. Head/Area Supt.)



## Documentation



Fig.01- Checking Wiring

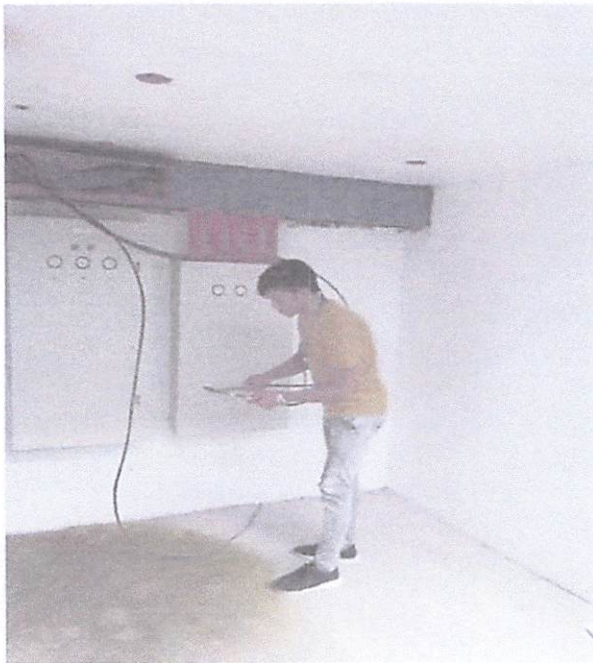


Fig. 02- Checking control panel

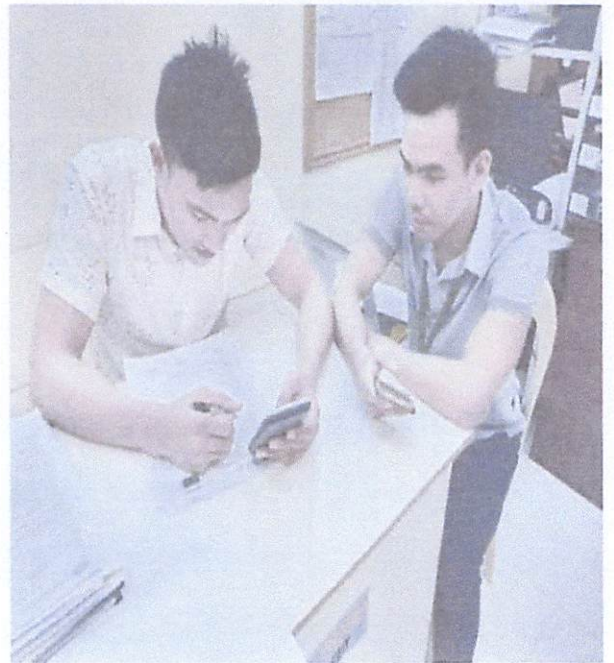


Fig. 03- Computing Official Documents

## **ASSESSMENT OF WORK EXPERIENCE**

I, Darriel C. Benedicto, a Electrical engineering sssss student of SSCT, had completed a total of two-hundred forty (240) hours of office practicum with SSCT College of Engineering and Information Technology (CEIT), Surigao City from July 17, 2019 to August 28, 2019.

My intership in the SSCT came as a sudden decision since the Placement Office offered me along with a co-trainee, vacancies on the CEIT so we accepted the offer. We started on the afternoon right after.

I've been on an OJT course for about 30 days now, and one of the hardest issues to face is how to PROVE YOURSELF-that you are really doing your job and that you deserve a good grade, not only to your supervisor but also to my work mates.

I've learned a lot of things in just 240 hrs of on the job training but I've noticed that there are still other things that i have to improve one of it is my verval communication.

Nervousness and shyness are always when it's you're first time. For many reason, and lot of stuff playing on my mind. Such, I do not know the people in the office; and I do naot have any acual experience. That made me quite at first. Trying to observe on how to get along with the employee. There are times that i'm having a hard time on expressing my self, my thought with others because i dont exactly know how i am going to say it in and get my point.

Every day is a challenge for me to stand out. But i always have winning attitude through the guidedance of the lord, and always tell my self, "I'm gonna win this."

I've learned a lot of things during my OJT. I was not only exposed to actual office environment but i also realized wha i really want even before the time i graduated. What carrer i would want to have, etc. There are important things I've learned. First is you need to please everyone and try as much as you can to be polite and nice to everyone, and do it with sincerity. Beacause when we are kind to people same kindness return to us. And always smile.