Overview of the Practicum

As of July 15, 2025, I have rendered a total of 396 hours of on-the-job training and the expected date will be on July 29, 2025 at the Department of Science and Technology – Forest Products Research and Development Institute (DOST-FPRDI), a government research facility located in Los Baños, Laguna. This organization is dedicated to advancing the sustainable use of forest-based resources and supporting local industries through research, technical services and innovation.

I was assigned at the Training Services Division- Training and Manpower Development Services Section (TSD-TMDSS), this section is responsible for planning and conducing training programs across the Philippines.

The stated trainings render in two modalities: face-to-face training courses, and training webinars. Face to face training courses is the traditional way wherein the activity is conducted at FPRDI office or on site, depending on the preference of the requesting party. While training webinars are composed of recorded lecture and technology demonstration.

While my host company is quite far to my course of Information Technology. My task is still related to my taken course. My role was to digitize records and reduce manual workloads for the team in my section.



Figure 1. DOST FPRDI

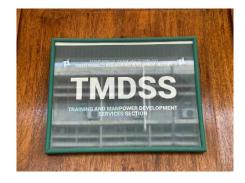


Figure 2. TSD-TMDSS

Presentation of Output

The first project was titled "Mapping of FPRDI Training Services".

System Overview

This system serves as an interactive platform used for visualization and managing 10 years' worth but expandable training records conducted by DOST-FPRDI. It integrates a dynamic filtering mechanism and sorting algorithm that allows users to easily locate training activities by selecting filters such as year, region, province, and city.

As the users apply filters, the system will automatically update the Philippine map view while zooming in on the filtered locations. Moreover, the result box on the left side of the map displays all matching training records. When a specific training is clicked, detailed information about that activity is presented including dates, participant counts, training type and venue details.

To secure the files, an admin page is present with CRUD functions. The system offers data management features: Importing CSV files to do batch uploads and create new training tables in the database, adding individual training records, editing or deleting trainings and viewing of import history for tracking batch data imports.

Objectives:

- To develop a comprehensive database that will allow easy access for the Institute.
- To enable better management of the resources and provide clearer view of the institute's offerings and the organization's impact.
- To serve a support decision-making, facilitate collaboration, provide evidenced of its delivered assistance and promote the broader dissemination of other technical services.

Expected Output:

- Database interface of conducted FPRDI Training Services
- Backend of FPRDI Training Maps
- Map of FPRDI Training Services

Target Beneficiaries:

- FPRDI Researchers
- Staff of TSD-TMDSS

Screenshots of the Output



Figure 2. Landing Page



Figure 3. Sorting and Map Page



Figure 3.1. Sorting and Map Page



Figure 4. Admin Log-in

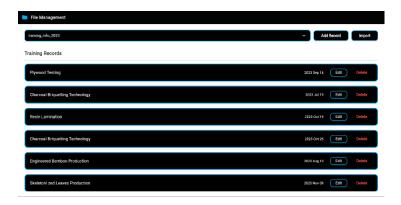


Figure 5. File Management Page



Figure 6. Add Data



Figure 8. Import History

The second Project was Titled "Batch Training Certificate Generator".

System Overview

The Training certificate generator is designed to simplify the creation of certificates for DOST-FPRDI training activities. There are two options to choose in the system. First, the training certificate creator is intended for training activities where participants data is collected through google forms namely evaluation, attendance, while the background information is optional. The system automatically sorts and matches the imported csv files to determine the eligibility of participant in the participant eligible report page. Eligible names are then passed into the certificate editor, where users can upload a certificate template, adjust placements of names and customize font styles, sizes and alignments. Note that the users do not need to adjust each name per certificate, if the user moves one name in the center, all names will be in the same place for easier customization. Once this is done, users can export individual certificates as PDFs or save all certificates in a ZIP folder. In addition, exporting of CSV files of eligible and ineligible participants are allowed by the system.

For cases where no CSV data is required, the second option should be used. The batch certificate creator enables the user to manually enter participant names and generate certificates using the same editing tools.

Overall, this system streamlines certificate creation that ensures accurate record-keeping and provides flexible export options to support effective and efficient documentation.

Objectives:

- To streamline the process of generating training certificates in batches, reducing manual encoding and minimizing errors.
- To enhance customization and professional quality tailored to each training activity.
- To Improve efficiency of record-keeping supporting faster creation of certificates.

Expected Output:

- Automatic sorting mechanism of participant data based on the required CSV file provided by the user.
- Easy editing and positioning of the participants' name and interactive UI.
- Exportable Certificates and Records

Beneficiaries:

- Staff of TSD-TMDSS
- Other Division needed to create batches of certificates

Screenshots of Output:



Figure 9. Landing Page

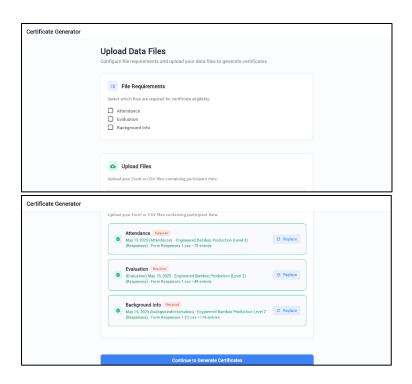


Figure 10. Sorting Mechanism

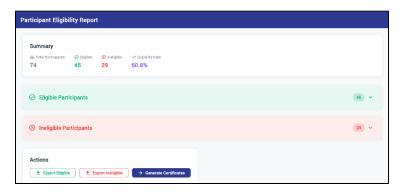


Figure 11. Participant Eligibility Report Page



Figure 12. Certificate Editor

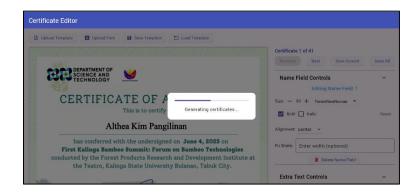


Figure 13. Saving Batch Process

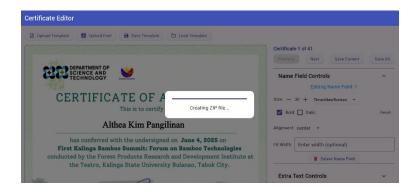


Figure 14. Creating Zip Process



Figure 15. Batch Certificate Creator (no csv)



Figure 16. Batch Certificate Creator (no csv)



Figure 17. Batch Certificate Creator (no csv)

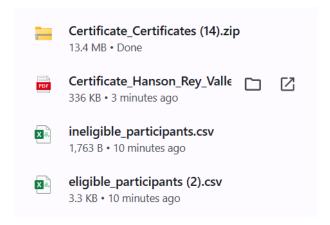


Figure 18. Exportable Certificates and Records

Conclusion

During my On-the-job training at DOST-FPRDI at the section of TSD-TMDSS, I gained both valuable technical and professional skills that enhanced my understanding of how information technology is very useful and versatile in supporting research, development, and training services. My key takeaways in this experience are developing software in a real-life professional setting. The only experience I have was just to develop a system based on Machine Problems, Laboratory Tasks and that setup is flexible where I have full control on how it will work and how will it look. However, this experience improved my ability to design, develop, test systems following a strict guideline from the host company. This taught me how to follow the requirements of my supervisor and give deliverables based on the deadline given to me. Furthermore, I also gained hands-on experience in organizing and migrating data from paper-based to digital system to improve record-keeping. This made me realized how digital solutions is crucial especially in organizations who have heavy files to make file management more efficient and effective.

Making a detailed technical and user documentation while following the user manual by our division. I learned here that sometimes this is being overlooked but this is crucial to support future system maintenance and user training.

On the other hand, soft skills and professionalism are also part of my learnings in this experience. Working with the team taught me how to effectively coordinate tasks, accept feedback, and to adapt to changing requirements. I also experienced the value of time management and to be attentive.

Lastly, this on-the-job training strengthened my professionalism while applying my technical skills and my appreciation for how IT can steer innovation, efficiency and sustainability even in public service.

Appendices

Appendix A

Competency-Based CV



ALTHEA KIM PANGILINAN

ABOUT ME

As a committed fourth-year Information Technology student at Mapúa Malayan Colleges Laguna, I have developed strengths in user interface design and database management. My passion for continuous learning fuels my enjoyment in building intuitive, data-driven applications that enhance both efficiency and user engagement.

CONTACT

- **(** +639994402556
- altheakimpangilinan@gmail.com
- Blk 4 Lt 6 Southwynd Residences, Calamba Laguna.

EDUCATION

Mapúa Malayan Colleges Laguna

Bachelor of Science in Information

Technology

President's List (SY 2021-2022 & 2023-2024) 2021-2025

New Era University

Science, Technology Engineering and Mathematics 2020-2021

University of Mindanao

Science, Technology Engineering and Mathematics 2019-2020

SKILLS

Programming Languages

Dart | C# | Assembly Language | SQL

Computer Related Skills

MS Office HTML & CSS CCNA: Introduction to Networks Database Management

Soft Skills

Time Management Communication Adaptability

CERTIFICATES

CompTIA IT Fundamentals (ITF +) Certification

July 2024

AWS Academy Graduate - AWS Academy Cloud Foundations

November 2023

CCNAv7: Introduction to Networks

November 2022

WORK EXPERIENCE

March 2021

Immersion at CREOTEC Philippines Inc Laguna Center

117 Technology Ave, Laguna Technopark, Biñan, 4024 Laguna

Functional leader of Developing Team of Technical group

Functional leader of Developing Team is responsible in guiding the team's work from planning to execution to ensure that the deliverables are in high quality and it reached the organization's standard and project requirements.

April - July 2025

On-The-Job Training at DOST FPRDI

Domingo Lantican Ave (Formerly Narra RD.) UPCFNR Campus, UPLB, College, Laguna 4031

Software Development Team of Training Services Division

Responsible for developing a GIS-based training tracker with 10 years of data. Built a certificate generator to automate creating and exporting training certificates. Supported the Training Services Division in managing and digitizing nationwide training programs.





27 March 2025

DR. RICO J. CABANGON

Department Head

DOST-FPRDI

Narra Rd., Forestry Campus, University of the Philippines Los Baños Campus, College, Laguna, 4031

Dear Dr. Cabangon,

The B.S. in Information Technology program of Mapúa Malayan Colleges Laguna requires their students to undergo Practicum program for a minimum of 486 hours in an academic calendar that will prepare our students to be job-ready after completing their curriculum. This program intends to enable our students to acquire and practice the knowledge and skills expected of a graduate of a B.S. IT program which, in turn, would guarantee continuous supply of IT professionals needed by your company.

We believe that your company can provide the relevant exposure necessary for our students to achieve the intended learning outcomes for the B.S. in Information Technology program. In this regard, I would like to endorse Ms. Althea Pangilinan to have his practicum activities in your company as requested.

We thank you for your confidence and trust with us and we look forward to a more meaningful linkage that is mutually beneficial to our students and your company.

With warm regards,

ADOMAR L. ILAO, DIT BSIT Program Chair

College of Computer and Information Science

Mapúa Malayan Colleges Laguna

alilao@mcl.edu.ph

(049) 832-4076

Address : Pulo Diezmo Road, Cabuyao City, Laguna 4025 Turukline: +63 (49) 812-4000 fax : +63 (49) 812-0017, +63 (2) 8520-8975 Email : mclinfo@mcl.edu.ph



Practicum Confirmation and Acceptance Form

MAINTAIN INFORMATION PRACTICUM CONFIRMATION AND ACCEPTANCE FORM IMPORTANT INFORMATION - STUDENTS ACCEPTED FOR PRACTICUM IN A HOST COMPANY WILL HAVE TO ACCOMPLISH THIS FORM SAN THE PRACTICUM SUPERVISOR COMPANY REPRESENTATIVE TO FILE THE DETHALS OF THE TRANSMIS SAN THE PRACTICUM SUPERVISOR COMPANY REPRESENTATIVE TO FILE THE DETHALS OF THE TRANSMIS SAN THE PRACTICUM SUPERVISOR COMPANY REPRESENTATIVE TO FILE THE TOTAL OF THE TRANSMIS. - SAN THE PRACTICUM SUPERVISOR COMPANY REPRESENTATIVE TO FILE THE TRANSMIS SAN THE PRACTICUM SUPERVISOR COMPANY REPRESENTATIVE This is to certify that Althea Kim M. Pangillinan has been accepted for practicum at DOST Forest Products and Research Development Institute. Narra Rd., Forestry Campus, UPLB Campus College, Laguna and will be ettached to the Training and Manpower Development Services Section, Technical Services Division department's for a minimum of, but not limited to 185 hours. - Development Services Section, Technical Services Division department's for a minimum of, but not limited to 185 hours. - COMPANY REPRESENTATIVE - CUITAN. TOLE A. Mulpot - Signature over Printed Name - HRITS - FAD - BORD SERVICES SECTION, TOLE A. Mulpot - Signature over Printed Name - Department - Email and Contact Number/s - Email and Contact Number/s - Signature Development of Practicum Coordinator - Department - FORM OVPAA. OR THE TRANSMISS. - THE TORM SERVALLES AT THE OR THE TRANSMISS. - THE TORM SERVALLES AT THE OR THE TRANSMISS. - THE TORM SERVALLES AT THE OR THE TRANSMISS. - THE TORM SERVALLES AT THE OR THE TRANSMISS. - THE TORM SERVALLES AT THE OR THE TRANSMISS. - THE TORM SERVALLES AT THE OR THE TRANSMISS. - THE TORM SERVALLES AT THE OR THE TRANSMISS. - THE TORM SERVALLES AT THE OR THE TRANSMISS. - THE TORM SERVALLES AT THE TRANSMISS. - THE	MCL			REVISION DATE May 10.
**STUDENT ACCEPTED FOR PRACTICUM IN A HOST COMPANY WILL HAVE TO ACCOMPLISH THIS FORM. **ASK THE PRACTICUM SUPERVISORY COMPANY REPRESENTATIVE TO FILL IN THE DETAILS OF THE TRAINING. **SUBMIT TO THE PRACTICUM ADVISER/COORDINATOR PRIOR TO THE START OF TRAINING. **SUBMIT TO THE PRACTICUM ADVISER/COORDINATOR PRIOR TO THE START OF TRAINING. **SUBMIT TO THE PRACTICUM ADVISER/COORDINATOR PRIOR TO THE START OF TRAINING. **SUBMIT TO THE PRACTICUM ADVISER/COORDINATOR PRIOR TO THE START OF TRAINING. **SUBMIT TO THE PRACTICUM ADVISER/COORDINATOR PRIOR THE START OF TRAINING. **SUBMIT TO THE PRACTICUM ADVISER/COMPANY REPRESENTATIVE DEVELOPMENT OF THE START OF TRAINING. **SUBMIT TO THE PRACTICUM ADVISER/COMPANY REPRESENTATIVE AND THE PRACTICUM ADVISER/COMPANY REPRESENTATIVE **SUBMIT TO THE PRACTICUM ADVISER/COMPANY REPRESENTATIVE ADVISERABLE AND THE START OF TRAINING. **SUBMIT TO THE PRACTICUM ADVISER/COMPANY REPRESENTATIVE ADVISER AD	Malayan Colleges Laguna A MAPUA SCHOOL	PRACTICUM CONFIRMATION AND	ACCEPTANCE FORM	
* STUDENTS ACCEPTED FOR PRACTICUM IN A HOST COMPANY WILL HAVE TO ACCOMPLISH THIS FORM. * ASK THE PRACTICUM SUPERVISORY COMPANY REPRESENTATIVE TO FILL IN THE DETAILS OF THE TRAINING. * SUBMIT TO THE PRACTICUM ADVISER/COORDINATOR PRIOR TO THE START OF TRAINING. * NAME OF STUDENT Althea Kim M. Pangillinan STUDENT NUMBER 2021150556 **STUDENT NUMBER 2024-2025/ 3 ^{RO} TEF **TOTAL STUDENT NUMBER 2024-2025/ 3 ^{RO} TEF **STUDENT NUMBER 2024-2025/ 3 ^{RO} TEF **STU	IMPORTANT INCORMATION	Troonson som man tre		
Althea Kim M. Panglillian COURSE CODE IT199F SY/TERM ENROLLED 2024-2025/ 3 ^{RO} TEF SY/TERM ENROLLED 2024-2025/ 3 ^{RO} TEF This is to certify that Althea Kim M. Panglillian has been accepted for practicum at DOST Forest Products and Research Development Institute. Narra Rd., Forestry Campus, UPLB Campus College, Laguna and will be attached to the Training and Manpower Development Services Section, Technical Services Division department/s for a minimum of, but not limited to 486 hours. Training will commence on April 22,2025 and is expected to end on Sulty 30, 2025 Attached is the list of requirements. COMPANY REPRESENTATIVE Ctricks. Toice A. Micro Signature over Printed Name ##### PAD Department Email and Contact Number/s Signature bver printed name of Practicum Coordinator Date FORM OVPAA OF	STUDENTS ACCEPTED FO ASK THE PRACTICUM SUI	PERVISOR/ COMPANY REPRESENTATIVE TO FILL IN THE DETAILS OF	HIS FORM. THE TRAINING.	
This is to certify that Althea Kim M. Pangilinan has been accepted for practicum at DOST Forest Products and Research Development Institute. Narra Rd., Forestry Campus, UPLB Campus College, Laguna and will be attached to the Training and Manpower Development Services Section, Technical Services Division department/s for a minimum of, but not limited to 486 hours. Training will commence on April 22,2025 and is expected to end on Sulty 30, 2024. Attached is the list of requirements. COMPANY REPRESENTATIVE Culcus. To ce & Might. Signature over Printed Name Official Designation HUMS - FAD Department Department Email and Contact Number/s Signature over printed name of Practicum Coordinator Date FORM OVPAA OF	NAME OF STUDENT	Althea Kim M. Pangilinan	STUDENT NUMBER	
Institute. Narra Rd., Forestry Campus, UPLB Campus College, Laguna and will be attached to the Training and Manipower Development Services Section, Technical Services Division department/s for a minimum of, but not limited to 486 hours. Training will commence on April 22,2025 and is expected to end on Sulty 30, 2024. Attached is the list of requirements. COMPANY REPRESENTATIVE Admin Ass1. J	COURSE CODE	IT199F	SY/TERM ENROLLED	2024-2025/ 3 RD TEF
Signature over Printed Name Signature over Printed Name HMMS - FAD Department Department Email and Contact Number/s Signature over printed name of Practicum Coordinator Date FORM OVPAA OF	Development Services Ser Training will commence on /	ction. Technical Services Division department/s for	r a minimum of, but not limited 025 Attached is the list of	to 486 hours. If requirements.
HRMS - FAD Department Department Email and Contact Number/s NOTED BY Signature over printed name of Practicum Coordinator Date FORM OVPAA OF				
Department Email and Contact Number/s NOTED BY Signature Over printed name of Practicum Coordinator Date FORM OVPAA OX	1 1 to 7 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0			
NOTED BY ASTRACT Signature over printed name of Practicum Coordinator Date FORM OVPAA OF				
Signature over printed name of Practicum Coordinator Date FORM OVPAA 03		AND OTHER DESIGNATION OF THE PERSON OF THE P		
Signature over printed name of Practicum Coordinator Date OPY (1) STUDENT, (2) HOST COMPANY, (2) PRACTICUM COORDINATOR FORM OVPAA 03	101/-		-1	alos or
OPY (1) STUDENT, (2) HOST COMPANY, (2) PRACTICUM GOORDINATOR FORM OVPAA OX	H6/11/00		3/	10/2025
DET. (1) BEDUDEN, (2) HOUSE COMPANY, (3) FRANCISCOM CONTRACTOR	Signature over printed name of P	Practicum Coordinator		Date
	OPY (1) STUDENT (2)-HOST COMPANY (2) PR	NACTICUM COOPDINATOR		FORM OVPAA 03
	ar. (i) an assure (; b) respire assure (iii) (ii) iii			120000000000000000000000000000000000000
				THIS FORM IS AVAILABLE AT THE O
				THIS FORM IS AVAILABLE AT THE C
				THIS FORM IS AVAILABLE AT THE C
				THIS FORM IS AVAILABLE AT THE C
				THIS FORM IS AVAILABLE AT THE CO
				THIS FORM IS AVAILABLE AT THE C

Student Training Agreement and Liability Waiver



REVISION DATE

STUDENT TRAINING AGREEMENT AND LIABILITY WAIVER

IMPORTANT INFORMATION

- THIS FORM IS TO BE ACCOMPLISHED AND SUBMITTED BY STUDENT TRAINEE TO THE PRACTICUM ADVISER BEFORE STARTING THE PRACTICUM READ AND UNDERSTAND THE PROVISIONS OF THIS AGREEMENT AND WAIVER.
 ENSURE THAT ALL SIGNATORIES SIGN THE FORM.

- I. Althea Kim Pangilinan, and a student of MAPUA MALAYAN COLLEGES LAGUNA (hereinafter referred to as "MCL", do hereby voluntarily undergo on-the-job training at DOST Forest Products Research and Development Institute, hereinafter referred to as the "Host Company", located at Narra Rd., Forestry campus, UPLB Campus, College, Laguna, under the following terms and conditions:
- That the practicum training will commence on April 22, 2025 and ends on July 50, 2025 and will have to complete a minimum of 486 hours required for the on-the-job training;
- That I shall observe proper decorum and act professionally at all times and abide by the Company's rules and regulations and comply with those imposed for the training program, otherwise, I shall be excluded from further participation;
- That in the course of my training program, I may have access to information which may be of confidential in nature and proprietary to the Company, for which I may be required to execute a confidentiality and non-disclosure agreement as a prerequisite to my participation in the training program;
- That the time I will spend on the training program in the completion of my on-the-job training requirements will not and should not be interpreted or construed as working hours and should be regarded as non-compensable. Provided that, the Company may, as a unilateral act of liberality or generosity on their part, provide me with meal, travel, transportation allowances, accommodations, etc.,
- That I fully understand that notwithstanding the allowances enumerated in the preceding section which I may receive, there exists no labor-management and/or employer/employee relationship between me and the Company where I will undergo my training
- That I shall exercise due care and diligence in the tasks assigned to me and personally be made answerable for any and all liabilities for damage to property or injury to third person, which may be occasioned by my intentional or negligent acts during the course of my on-the-job training:
- That I shall likewise hold the Host Company and MCL free and harmless from any and all liability and responsibility for any sickness or injury to myself and third parties and damage to property which I may sustain and/or may occur at any time during the training program, including time spent in traveling to and from any and all premises and locations where I may be required to go to as part of my training program.
- That the Company reserves the right to discontinue my training on reasonable grounds upon written notice to MCL and myself. Additionally, in the event my training program is discontinued for reasons attributable only to myself, I may be made to reimburse the Host Company for any/all the allowances, stipends, etc., which I may have received from them during and prior to the termination of my training program;
- That in addition to my liability under section g and for the pre-termination of my training program provided for under section h hereof, I may be subjected further to disciplinary action in accordance with the school's student manual and/or be a ground for disqualification from graduation.

Signed on this 23 day of May Althea Kim M. Pangilinan ame of Student Trainee WITH OUR CONSENT: Signature over printed name of Parent/Guardian (for minors only) NOTED BY: Adomer Ilao LAURENTE EMILY TANE Printed Name and Signature of Practicum Adviser/ Coordinator nature of Host Company Representative

PY. ITI STUDENT (2) HOST COMPANY, (3) PRACTICUM ADVISER (4) PRA

FORM OVPAA 030C

Training Plan

Malayan Colleges Laguna		TD A INUNIO	B		REFERENCE May 10, 20
		TRAINING	PLAN		
NAME	Althea Kim M. Pan	gilinan	COURSE CODE	IT	199F
PROGRAM & STUDENT NO.	BSIT- 2021150	556	COURSE TITLE	I.T. PR	ACTICUM
STUDENT OUTCOMES					
CO2 Apply technical kr	ional needs and design appropri nowledge in software developm th through hands-on industry ex	ent and database	systems to real-world	projects	
AREAS / PHASES OF TRAININ	G AND TIME ALLOTMENT				
Company Oriental Software Develop Technical Docume	ment		-	8 hrs 438 hrs 40 hrs	
EVALUATION GUIDELINES & C	COURSE OUTCOMES				
DEMONSTRATION OF SOFT SI	KILLS (40%)	DE	MONSTRATION OF TECH	HNICAL SKILLS (60%)	
EY AREAS			Y AREAS	, , , ,	
COMMUNICATION SKILLS	(20%)	so	FTWARE DEVELOP	MENTSKILLS	
elate to co-trainees/supervisor	s terminologies and rules Recite				ima (200/)
	ded for the tasks Identify and		Able to deliver bug-free modules on time (20%) Delivered stable modules with no major bugs reported. (10% Met all project deadlines consistently. (10%) Able to integrate and implement the new modules (10%)		
escribe safety signs and symi					
sk critical questions related to					
roduce well-written regular an	d incident reports sing Information and Communicatio	a Trobooto		integrated Supabase.	
CT)	ang mormation and communicatio	n recnnology			nooth functionality. (5%)
	ENT (200/)				
ROFESSIONAL DEPORTMI bserves proper grooming and	77.7	1	Able to implement good UI/UX principles in the modules (10% Applied consistent design and responsive layout. (5%)		
	me and as necessary, even beyond p	rescribed		r-friendly navigation a	
orking hours	3.50		CHNICAL DOCUME		
cts according to the job descri	ption given by the company	1.0		intained clear projec	
illing to accept new tasks apa	rt from the usual routine and respon-	sibilities			
clivery quality output on time		1	Able to write Testing Activities documents (5%) Documented test cases and tracked bug resolutions. (5%)		
emonstrates respect for differe	nt individuals			to-follow guides for e	
TIATIVE (+5%)		IN	ITIATIVE (+5%)	to-rotion guides for e	nu users. (579)
olunteers to perform tasks beyo	nd routine tasks		olunteers to perform tasks be	eyond routine tasks	
CONFORME	CONSENT (FOR MINORS ONLY)	NOTED	BY EI	NDORSED BY	APPROVED BY
Althea kim M Pangilinan	MONATURE OVER PROFED HAME OF PARENTON QUARDIAN / DATE	SECHATURE OVER THE PRACTICAL SUPER	INTEDNAME OF BIGNATO	. Adomar L. Nao IRE OVER PRINTED NAME OF CTICUM ADVISER / DATE	Mr. Adonta's, Nao BIGNATURE OVER PRINTED NAME PROGRAM CHAIR / DATE

Practicum Learning Module Path Proposal

M. M.		PÚA N COLLEGES GUNA	REVISION DATE: 02 REVISION DATE: Nov. 8, 2019
		PRACTICUM	INTENT FORM
TO BE SUBMITT	LLED-UP ED TO TH	BY THE STUDENT TO SIGNIFY INTENTION TO ENRI IE PROGRAM CHAIR ONE TERM BEFORE THE PRAC TO TRAIN WITH A COMPANY THAT IS NOT IN THE	
PERSONAL INF	ORM	ATION	
NAME OF STUD	ENT	Althra Pangilinan	STUDENT NUMBER QUALITY CTU
PROGRAM AND	YEAR		CT NO. AND 09994402556/ 2021akmpangilinan@live.mcl.edu.ph
PI	RACTI	CUM INFORMATION	PREFERRED / TARGET HOST COMPANIES
PRACTICUM COURSE CODE	170	9F	Oppost Forest Product Rescurch and Development Institute
COURSES TO BE TAKEN WITH PRACTICUM	121	91 (17200 - 20	etmicroelectionics du
TOTAL UNITS (PER CURRICULUM)	1	17	
TOTAL NO. OF UNITS TAKEN		42	municipality of Binan OV
Malayan Colleges Lay HTE). Hence, by sign ind/or the HTE to ge personal data that mend/or the HTE to issessment reports a	guna (Ning this enerate, ay be no obtain s part o	Ide all relevant information as required (CL) and/or the Host Training Establishme document I hereby give my consent for M extract, use, store, and dispose any and ecessary. Furthermore, I am authorizing Micopies of my medical and psychologic the practicum requirements.	ent McL all Additional Adamay Flori
		DO NOT WRI	SIGNATURE OVER PRINTED NAME OF PROGRAM CHAIR/DATE ITE BELOW THIS LINE
ENTER FOR HEALT Endorsed for Prac Endorsed for Prac with Monitoring	ticum	Christing R. Larin, RI Listant Vice Over PRINTED NAME OF CHSW PERSONNELIDATE	Endorsed for Practicum with Intervention SIGNATURE OVER PRINTED NAME OF CGC PERSONNELIDATE
REMARKS/CONDI	TIONS:	Approved For M	Pracheum
		COMMENDED BY	
	1364	The state of the s	APPROVED BY
	SIGNAT	AMAI DAS 3/26/2018 PROGRAM CHARL	SIGNATURE CHAR PRINTED MANUFORM
COPY (1) BY UCENT; (2) PRO	ORAN CHW		OVPAA-016-01

Appendix G Week 1 Journal



REVISION NO.: REVISION DATE: May 10, 2016

DAILY JOURNAL

- IMPORTANT INFORMATION

 INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC.

 SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LMS.

 HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

DATE	April 22- 25, 2025 (Week 1)	AREA ASSIGNMENT	GIS BASED TRAINING TRACKER
TASK	Overview of the company and the responsibilities for the upcoming project	SHIFT/TIME	7AM-4PM

	k began by onboarding at DOST-FPRDI. It was a warm welcome and orientation.
	oduced us to the department members and gave a quick overview of what the company's mission, vision and structure
We were also o	given a tour of the building for us to be familiarized with the work environment. Furthermore, we
attended a meeting led b	y Ms. Margie and Sir Jeriel, our supervisor and our GIS expert in our department where they discussed the projects, including the purpose, expected output
and the goals o	of implementation goals. This meeting also included our input in identifying what possible
technologies, to	ols and features needed for the said project. This helped us understand the importance of aligning
deliverables wit	h the needs of the department. Within these days, we gained valuable into a formal and effective
project planning	, formal stakeholder communication. We also tasked to help in their technical seminar, despite the
unfamiliar set	up procedure, we adapted by asking questions with respect, documenting plans and most
importantly, o	ollaborating with team members.
	erved that having more structured onboarding materials, formal project outlines our operational efficiency and future development.
	0 1
,	0 1

Appendix H

Week 2 Journal



IMPORTANT INFORMATION

- INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC. SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LMS. HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

DATE	April 28- May 2,2025 (WEEK 2)	AREA ASSIGNMENT	GIS based Training Tracker
TASK	Database Population and Initial Front-End Development	SHIFT/TIME	7AM-4PM
		,	
In this we	ek, We were given all the training seminars from 2014 to 20	024. However, it is pri	nted and the soft copy is not in a csv or excel file.
We need	the csv file for easier importing in our database. With that	said, we manually in	nputted all the training seminars and the needed
	r our project. So, I focused on uploading and s		-
	ssues in inconsistencies of file formatting b	ut this is resolve	ed by cleaning and double checking
	a and aligning it with the required fields.		
	tion, the planning of structure of the UI, b		<u> </u>
	sed between the supervisors. I also succe	essfully establis	shed a database connection
with th	e web application.		
This wo	ek taught me the crucial role of systematic data	organization over	on in hard copies. To onsure seamless
	end- back- end interaction. Moreover, one		
	which solved through batch processing an		
uata, v	which solved through batch processing an	iu repeateu vei	incadori.
Lastly.	the accomplishments this week provided a	strong foundat	tion for both system's database and
	terface components.		
usci ili	terrace components.		
	IRANEE'S SIGNATURE		
COPY: (1) STUDENT;	(2) PRACTICUM ADVISER		FORM OVPAA 030G
			THIS FORM IS AVAILABLE AT THE OVERA

Appendix I

Week 3 Journal

REVISION NO.: REVISION DATE: May 10, 2016

00)	
 40	0040	



DAILY JOURNAL

IMPORTANT INFORMATION

- INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OSSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC. SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LIMS.
- HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

DATE	May 5- May 8 (Week 3)	AREA ASSIGNMENT	GIS Based Training Tracker
TASK	UI Development, Data Filtering Integration for GIS-Based Training Tracker	SHIFT/TIME	7AM-4PM

This week, we continued the development of our assigned project. We first started to work on the front-end and back-end components of the GIS-Based Training Tracker. My task for this week was to create a splash screen, landing page, and to start the sorting page. Moreover, SQL functions were properly initiated and created a simple UI to test if the sorting functions are working properly. Additionally, this week the UI design for the login page is finished. Lots of errors and bugs were also encountered this week especially in the filter page. Certain locations are not sorted properly or no locations can be found in the page, but this is solved by carefully reading the program, identifying what caused it, testing different conditions, and validating data inputs. Moreover, we started creating the navigation rail, navigating icons and ensuring that all pages are properly linked in sequence. Our supervisor, also asked as to show our progress, saying that we did well and ask if we can add a month-range filter function. To enhance data sorting capability and for it to be efficient in their reporting.

This series of tasks helped me deepen my understanding of UI/UX design, data driven filtering using SQL functions and proper system routing. A major problem that we encountered was fixing the filter page as it sorts worth 10 years of training. This experience emphasized the importance of testing every part of the code before combining them. I also noticed that the continuous communication with our supervisor helped ensure the project still aligned with its objective. I also recommend for us to improve development flow was to have a clear outline of the expected structure and visual output beforehand to reduce the repetition of adjustments.



COPY: (1) STUDENT; (2) PRACTICUM ADVISER

FORM OVPAA 030G

THIS FORM IS AVAILABLE AT THE OVPAA

Appendix J

Week 4 Journal



IMPORTANT INFORMATION

- INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC. SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LIM.
- HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

DATE	May 12- May 16 (week 4)	AREA ASSIGNMENT	GIS based Training Tracker			
TASK	Development of File Management UI, CSV Import Function.	SHIFT/TIME	7 AM- 4PM			
In this	In this week of development, I focused on designing and developing the core components of					
File Management role of the web app. This week is also our integration of the sorting						
and map functionalities. I began by outlining the UI layout for the file management pages and how						
would the stakeholders interact to these features. For the file management screen, our						

supervisor requested to implement a list that displays all training seminars for the selected year. Furthermore,

Each seminars includes two buttons with Edit and Delete, these features were created with UI for the mean time. Add and Import button screens are designed and structured

carefully enhancing its usability and functionality to support data entry.

One of the challenges, I encountered was I am having a hard time retrieving the seminars according to the dropdown. To manage time efficiently, I prioritized developing the import function, as I reused object-oriented components from my past projects to speed up development. I also encountered limitation where Supabase do not allow create a new table using SQL Functions, I resolved this by implementing a Remote Procedure call that can execute raw SQL commands through PostgREST to enable CSV imports into predefined structures. Usability were ensured through the showing the numbers of training along with all the fields to be inserted in the database.

Finally, this week's accomplishments brought significant functionality to the system and taught me to properly decide what to prioritize to save time while giving a quality output.

TRAINEE'S SIGNATURE

COPY: (1) STUDENT; (2) PRACTICUM ADVISER

FORM OVPAA 030G

THIS FORM IS AVAILABLE AT THE OVPAA

Appendix K

Week 5 Journal



IMPORTANT INFORMATION

- FOR TAN 1 INFORMATION.

 INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC.

 SCANNED COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

 HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

DATE	May 19- May 23 (Week 5)	AREA ASSIGNMENT	GIS - TRAINING TRACKER
TASK	Add Function and Data Validation for Dynamic Table Integration	SHIFT/TIME	7 AM - 4PM

This week, r	my main task was to develop the logic for the Add function inside the file manageme
system. This	function is for adding a training in the recent years. As per the meeting with our supervisors,
the process r	needs to begin with implementing a dropdown for recent database tables. Upon selection
the system :	should generate an automatic unique training ID. My first Issue is new IDs were
not generating	properly according to the format. I resolved this by querying the last ID in the table and incrementing
it by 1. Mored	over, another issue involved the submission process where data passed null to the database
I resolved th	is, by ensuring that all fields in the code matched the database schema and the headers
in the uploa	ded Excel file.
To ensure da	ata integrity, all form validations is implemented. Testing the functions repeatedly helps me
identify wha	t part of the function needs refinement.
Through this	s task, I gained experience in handling backend form processing and dynamic table
targeting. Th	his also a practice for me to have consistent naming conventions.
	A
4	Land Lie

COPY: (1) STUDENT; (2) PRACTICUM ADVISER

TRAINEE'S SIGNATURE

FORM OVPAA 030G

THIS FORM IS AVAILABLE AT THE OVPAA.

Appendix L

Week 6 Journal



REVISION NO .: REVISION DATE: May 10, 2016

FORM OVPAA 030G THIS FORM IS AVAILABLE AT THE OVPAA.

GIS Based- Training Tracker

DAILY JOURNAL

IMPORTANT INFORMATION

- INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC. SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LMS. HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

May 26- May 30 2025 (Week 6)

TASK	File Management with Edit and Delete Function	SHIFT/TIME	7 AM- 4PM				
In the	In these week, my focus was the creation of a fully functional File Management Page.						
Other	Other functions such as add and import are already done. This week, I developed viewing, deleting and						
editin	editing record based on user interaction. The edit functionality was one of the functions I always struggled.						
The f	The fields were not updating correctly because the system can't retrieve the selected data.						
Howe	ver, I noticed that the selected data in the file ma	nagement page i	s not correctly passed in the Edit				
page	. So, i solved it by revising the way how dat	ta is fetched an	nd passed correctly to the				
edit p	page. To ensure that no duplicates are mad	e, I added con	dition to prevent same entries inside				
the ta	able. Moreover, since the data that we are h	nandling are cr	ucial, I implemented a confirmation				
dialo	g to prevent accidental deletions. This ensu	res that users	will be fully aware before removing				
a rec	ord.						
This	week taught me the importance of data inte	grity, backend	consistency as well as correct				
state	management in the code especially in hand	dling dynamic	content.				
Overa	all, despite the struggles all features of file mana	gement are don	e improving the system's interactivity.				
	Q / 1						
	parking.						
	TRAINEE'S SIGNATURE						

Appendix M

Week 7 Journal

THIS FORM IS AVAILABLE AT THE OVPAA.



DAILY JOURNAL

- IMPORTANT INFORMATION

 INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC.

 SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LMS.

 HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

DATE	June 2-6 2025 (Week 7)	AREA ASSIGNMENT	GIS based training tracker
ASK	System Testing, Validation, and Supervisor Review	SHIFT/TIME	7AM-4PM
	week was focused on validation and testing	•	
	ver due to our defense schedule. There were	-	<u> </u>
	the remaining days of the week to double check	all functionalitie	s, to ensure that they are working
as ir	ntended.		
I cor	nducted test across different scenarios to ide	entify bugs or e	even missing validations and
	any issues for further refinements. Addition		
	web application to our OJT supervisor, Ms. I		
	lback. Minor changes and feature adjustmer		
all in	the upcoming development week.		
	D / A ·		
	-gr Kin		
	TRAINED'S SIGNATURE		
PY: (1) STUDI	ENT; (2) PRACTICUM ADVISER		FORM OVPAA 03

Appendix N

Week 8 Journal



DATE

REVISION NO.: REVISION DATE: May 10, 2016

AREA ASSIGNMENT | GIS based Training Activities

DAILY JOURNAL

IMPORTANT INFORMATION

- INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC. SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LMS. HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

June 9 - June 13, 2025 (week 8)

ASK	Map Page Integration with Region-Based Zoom and Training Results Display	SHIFT/TIME	7AM-4PM
In this	week, our focus was improving the Map	Page by enabli	ng the zoom feature based
on the	e selected filters such as region, province,	and city from t	he sorting page. The result
box no	w displays a list of filtered trainings and clicking	on any result is i	intended to locate it in the map and
also d	lisplay the detailed information below. How	wever, we enco	untered challenges such as
finding	the right Map API. We studied and tested APIs	including OpenS	StreerMap, Nominatim, Mapbox and
Goog	le Maps, and after careful research some	API is not work	ing and concluded that the Google
Maps	API is the most viable option because of	ease of use. Ur	nfortunately, google map
requir	es a billing account for activation and curr	ently, we are st	till waiting for the host company to
provio	le access. We also need to use a manual	GeoJSON for I	abeling the map.
While	we are waiting, we continue to plan and ϵ	explore how car	n we implement this feature best.
This z	coom page is expected to be one of the fin	al additions to	the system.
			•
	0 1.		
	Day (In		
	TRAINEES SIGNATURE		
	_		
f: (1) STUDENT	T; (2) PRACTICUM ADVISER		FORM OVPAA 03

THIS FORM IS AVAILABLE AT THE OVPAA.

Appendix O

Week 9 Journal

AREA ASSIGNMENT Batch Training Certificate Generator

	00)	
A-mi	10	2016	П



DATE

DAILY JOURNAL

IMPORTANT INFORMATION

Week 9

- INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC. SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH DENOTED HMS. HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

TASK	Requirements Gathering and System Planning	SHIFT/TIME	7am-4pm		
In this	In this week, I started my second project for my internship. This is about Batch Training Certificate				
	ntor. I focused on gathering and organizing det	•	•		
	cted an in-depth analysis of the manual certific				
	nefficiencies are present such as time-cor	<u> </u>	•		
across	3 csv forms and the repetitive encoding names	into the certificat	tes.		
Also in	this week, I started to plan the core softv	vare componer	nts, designed initial navigations,		
outline	the main pages, screens and what element	ents and functi	ons present to establish		
a clear	and user friendly workflow.				
Techn	ical documentation such as project scope	, objectives an	d functional score are also drafted		
in this	week. I outlined a checklist of all current r	manual steps to	o ensure that there are addressed		
proper	ly.				
- TRAINEES SIGNATURE					

FORM OVPAA 030G THIS FORM IS AVAILABLE AT THE OVPAA.

Appendix P

Week 10 Journal



- IMPORTANT INFORMATION

 INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC. SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LMS.

 HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

DATE	June 23- 27, 2025	AREA ASSIGNMENT	Batch Training Certificate Generate
TASK	UI Development, Logic Implementation, and Testing	SHIFT/TIME	7AM-4PM
	week, my focus was to build and integrate	•	
	ication. This is to improve the user experien		<u> </u>
	ermore, I also developed and implemented the sort		· · · · · · · · · · · · · · · · · · ·
	rately determined which participants are qu		•
	ed to template handling, such as all names of the	· · ·	
	nd of generating individual certificates each participant		
to en	nsure that all certificates are displayed corre	ectly with prope	rly positioned names.
	e technical testing and documentation, I throughly	· · · · · · · · · · · · · · · · · · ·	
	fferent set of csv training files to ensure that		
	eover, test cases were executed to confirm	•	•
only	single participant appears in each certificate	e, as well as th	e steps taken to solve them.
Lastl	ly, the test documentations included update	d instructions f	or template placement
and t	test logs verifying that fixes were applied su	ccessfully.	
	0 1		
	PEN VIII		
	TRINEE'S SIGNATURE		

THIS FORM IS AVAILABLE AT THE OVPAA.

Appendix Q

Week 11 Journal



IMPORTANT INFORMATION

- INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU
- RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC. SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LMS. HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

DATE	June 30 - July 4, 2025 - week 11	AREA ASSIGNMENT	Batch Training Certificate Generator
TASK	Feature Enhancements, Bug Fixes, and Testing	SHIFT/TIME	7 AM- 4PM

During this week, I had a big progress in both software development and technical/ documentation. On the development of front end, several key features were successfully implemented to enhance the functionality and user experience of the user. I included the export buttons, enabling users to download generated certificates in a zip format and a pdf format. The integration of save and load template, allows users to reuse the customized certificate template. Moreover, the addition of different font styles, size and alignment provides a flexible design when formatting the recipient names and the text of certificate. A draggable name positioning was integrated, that will give the user full control to move the name element anywhere within the loaded template. In addition, multiple bugs and issues were addressed, including fixing problem where font styles were not changing as intended, also resolved text alignment errors and corrected issues with the group renaming and formatting process during large data entry. From the technical testing and documentation, all new features were thoroughly tested for reliability and usability. Functional testing was performed on export actions, template saving/loading, font style switching, and movable text positioning. Usability testing confirmed that the drag-and-drop feature worked easily and consistently. Bug fixes were validated to ensure fonts applied correctly and alignment worked as expected. Bulk renaming functionality was also tested again to confirm proper formatting throughout all imported names. Overall, this week marked good progress in both the stability and capabilities of the Certificate Editor.

COPY: (1) STUDENT; (2) PRACTICUM ADVISER

11

TRAINEE'S SIGNATURE

FORM OVPAA 030G

THIS FORM IS AVAILABLE AT THE OVPAA



REVISION NO .:	00
REVISION DATE:	May 10, 2016

IMPORTANT INFORMATION

- INICLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC. SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LMS. HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

DATE	July 7 - July 11, 2025	AREA ASSIGNMENT	BATCH TRAINING CERTIFICATE GENERATOR	
TASK	Improving Stability and Export Functionality	SHIFT/TIME	7AM-4PM	
١	Week twelve prioritized on refining export fea	tures to ensure	e accuracy, efficiency, and	
user-f	riendly certificate handling. this focuses on c	lebugging, opti	mizing, and validating these	
featur	es to align fully with expected system respon	ises.		
	On the Software Development, enhancement	nts were made	to the certificate export system.	
The S	Save Current and Save All functions were su	ccessfully deve	loped, enabling users to export	
individual or multiple certificates as needed. we have focused on ensuring with the consistency				
with name saving and file outputs, which previously caused mismatches and confusion.				
The export process was also optimized, especially for mass exports using ZIP packaging.				
This included improvements in performance and reliability when handling multiple certificate files.				
Additi	Additionally, export-related crashes were analyzed and resolved to make it easier for the user.			

Also, for Technical Documentation and Testing, validation tasks were conducted to confirm that the Save Current and Save All features functioned accurately and correct. We've verified that the exported ZIP files correctly matched the state of the editor at the time of export. previously we have experienced minor issues, such as crashes during batch exports conflicts in saved names, were identified and fixed. These testing efforts helped ensure that both single and bulk export features functions as intended throughout multiple testing.

Overall, the export system had reached a more stable and consistent state, allowing for reliable certificate output in different ways it might be used.



COPY: (1) STUDENT: (2) PRACTICUM ADVISER

FORM OVPAA 030G

THIS FORM IS AVAILABLE AT THE OVPAA