CCI
COLLEGE OF COMPUTING & INFORMATICS

INDUSTRIAL TRAINING
LOGBOOK

Name	:	Muhammad Zulhilmi bin Mohd Roslan
Student ID	:	SW01082357
Programme	:	Bachelor of Computer Science (Software Engineering) (Hons.)
Year	:	2nd Year (2023/2024)

Name of Student   :   Muhammad Zulhilmi bin Mohd Roslan

ID Number of
Student   :   SW01082357

Programme   :   Bachelor of Computer Science (Software Engineering) (Hons.)

Name and Address of Company Attached:

Kridentia Tech,
Blok 4811, CBD Perdana 2,
Jln Perdana, Cyber 12,
63000
Cyberjaya, Selangor

I certify that the above named student has registered for the industrial training at our organization

commencing from ………………………………….… to …………………………………………..

Name of Supervisor   : …………………………………………………………………………..

Designation of Supervisor : …………………………………………………………………………..

Signature and Stamp
of Organization:

INSTRUCTIONS TO STUDENTS:

1. Fill out personal particulars and the company's information.

2. Fill out the daily reports throughout the training.

3. Schedule a suitable time for the lecturer to visit the industrial training place.

   Normally, the lecturer's visit will take place on **week 8 until week 12** of the training. You should liaise with the assigned visiting lecturer to schedule the visit.

4. Submit this logbook together with the Industrial Training Report to the assigned visiting lecturer not later than **two (2) weeks** after the training is completed or a date determined by the college. Please refer to the **Industrial Training Programme - Student's Report Guidelines** in writing the industrial training report.

   *** Item 4 is subject to change and will be informed by the coordinator.*

INSTRUCTIONS TO HOST SUPERVISORS:

1. Monitor the student's progress every day. You may leave any remarks in the space provided.

2. Verify the student's activity by signing the logbook at the end of each training week. You may also leave any remarks in the space provided.

3. Assess the student's performance by using Host Supervisor's Evaluation (included in this logbook).

WEEKLY REPORTS

WEEK 1

DATE	TASK	REMARKS FROM SUPERVISOR
1/7/2024 (Monday)	• Orientation about the company, get to know all members in the company • Learn Laravel from beginning o Basic routing, Create models, Blade files, Connect to database, Blade templates, and layouts	
2/7/2024 (Tuesday)	• Continue with Laravel o Form submissions, Flash messages, Validation, Pagination, Delete(CRUD), Route model binding, Search bar(CRUD) • Learn information about Facial Recognition Technology	

3/7/2024 (Wednesday)	• Meeting with my team and discuss the project built for MDEC
	   o Grasp the idea of what the project is about and what functionality it needs to have
	• Meeting with supervisor
	   o Update on Laravel
	   o Discuss what to do during this 3 month
	     ➢ Each Friday, I need to present what I've learned regarding Laravel	

4/7/2024 (Thursday)	• Ask to complete these tasks: https://laraveldaily.com/roadmap-learning-path, for each month must complete 2 levels. • Learn in detail about basic routing o Methods, Grouping, Named routes, Parameters, Redirect	
5/7/2024 (Friday)	• 1st session of presenting about Laravel in front of supervisor and my teams o Basic Routing • Get the MDEC project from team members, know how to setup the database for the project, setup npm	A quick learner. Able to pick up self-learning using given materials and resources. Assigned to continue App Dev from another staff.

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WEEK 2

DATE	TASK	REMARKS FROM SUPERVISOR

9/7/2024 (Tuesday)	• Some changes to the project
	    o Profile page:
	        ➢ Change alignment for users' info and format on users' income
	    o Update page:
	        ➢ Income should accept data with format (RMxxx.00)
	• Create new page for camera and configure webcam
	    o Plain page without any styles and layouts, camera is working fine
	• Problem encountered where info entered need to be enter back after user redirect back from camera page
	    o Change position of the link to camera page to the top of the page	

10/7/2024 (Wednesday)	• Add function and style to the camera so it can capture, show the captured picture, and save the picture into database • Setting up database for the picture o Create photos table, create columns, add foreign key and connect with main tables • The photo can successfully be saved in database as jpeg/png/jpg • The photo can successfully be viewed in profile page • The only problem is captured picture doesn't look the same as how it looks on web camera	

11/7/2024 (Thursday)	• Meeting with supervisor regarding the project
	    o Problems encountered:
	        ➢ The data saved in database are empty file, where the files are actually saved in device, picture can't be accessed on other devices
	        ➢ Captured picture not the same as web camera, will affect quality
	• Learn and complete slides for Laravel's presentation each week
	    o Basic blades	

12/7/2024 (Friday)	• Presentation is cancelled since supervisor is busy
	• Solving 1st problem which is the captured picture not same as web camera, where captured picture looks like being compressed to the middle
	    o Turns out web camera can't be square or it won't capture whole thing
	    o Problem solved
		Good progress for an intern. Keep it up. Happy to see the speed and code exploration done so far.

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WEEK 3

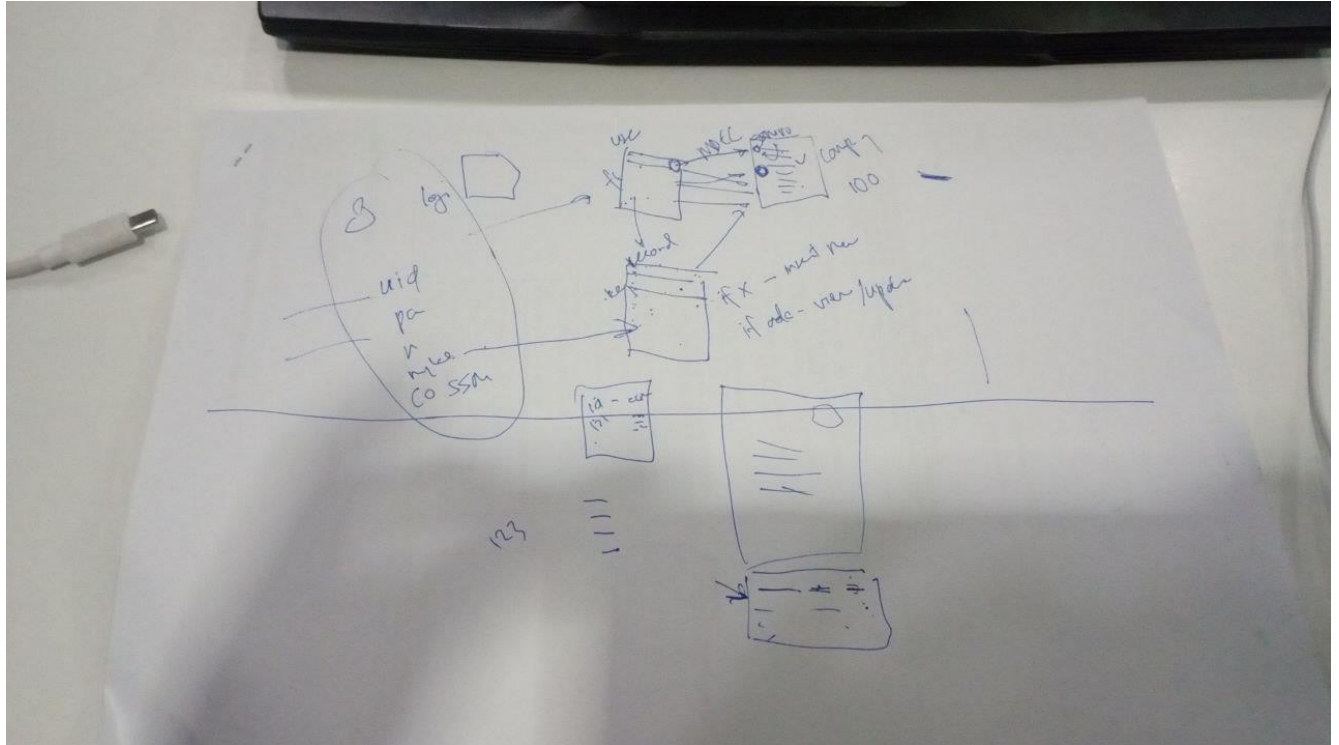| DATE	TASK	REMARKS FROM SUPERVISOR
15/7/2024	• Solve 2nd problem: File save in device instead of database • Learn about base64 o Captured picture by web camera will be in base64, it need to be decoded to save it as binary instead of string, to view need to encode it back • Data is saved as binary in database and now can be accessed and viewed by other devices	
16/7/2024	• Works on update for profile picture	

17/7/2024	• Change the profile view design to be like a registration form
	   o Complete but need to touch up a little as it is unorganized and each data not same size
	   o Also need to make it responsive depends on screen size	

18/7/2024	• Got problem with database o Solve by inserting and create new data, tables and columns. Basically, need to redo from scratch the database • Continue with design for profile view design, touch up a little to make it more tidy and arranged	

19/7/2024	• Yaasin recitation, (doa selamat and ayat syifa') recite by me
	• Meeting with my team about the project
	   o Need to add another entity which is company
	   o Need to link the company with employee
	• Presentation of what I've learnt these past weeks
	   • Basic blades
		A team player and a contributor. Easy to work with Zulhilmi.

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WEEK 4

DATE	TASK	REMARKS FROM SUPERVISOR
22/7/2024	- Create a register page for company - Create a view page for company - Set up database so records table will link with company table by rec_co table acting as foreign key for both	
23/7/2024	Update registration page for user and add company id if user registered as company's representative	
24/7/2024	- Update database - Add foreign key in user table to link with company table	
25/7/2024	- Meeting with supervisor and team - Discuss about what - Attend talk	
26/7/2024	- Update registration page - Change company id to company SSM instead - Check whether the SSM entered is registered in database or not. If yes, the company id for the company SSM will be entered into user table. If not, the user will see a prompt to register their company first - Add MyKad - Check whether the MyKad entered is registered in database or not. If yes, the id for the MyKad will be entered into user table in rec_id column. If not, the user will see a prompt to register their profile first	A talented developer judging from the level of comprehension and work output.

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WEEK 5

DATE	TASK	REMARKS FROM SUPERVISOR
29/7/2024	• Add function where when user registered as individual login, they can directly see their own profile • Encounter error where page to register individual not found	
30/7/2024	• Fix the error regarding routes and the register individual page • Remove search function for both company and individual page, so instead of entering MyKad or company SSM to find their profile, user will directly see their profile according to either rec_id or co_id registered in database	
31/7/2024	• Add function where company's representative sign in, and the page will redirect to a same dashboard page but with specific co_id matches with the database • So, when user as company's representative click view company, there will directly shows the company registered with the user account	
1/8/2024	• Stuck with errors	
2/8/2024	• Check with camera	Encouraged Zulhilmi to find out the solution himselves rather than giving the solutions rightaway.

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WEEK 6

DATE	TASK	REMARKS FROM SUPERVISOR
5/8/2024	• Update the camera	
6/8/2024	• Add facial recognition and crop function	
7/8/2024	• Update the crop function	
8/8/2024	• Meeting with supervisor and few seniors	
9/8/2024	• Setting up server using MobaXTerm/ubuntu to publish MDEC project	Good work. Happy to see the work produced.

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WEEK 7

DATE	TASK	REMARKS FROM SUPERVISOR
12/8/2024	• Start new project icehrm using ubuntu	
13/8/2024	• Setting up the login page	
14/8/2024	• Add upload excel function to upload many employees at one time	
15/8/2024	• Meeting with supervisor about the HR project	
16/8/2024	• Still figuring how to do it if the project is basically using ubuntu/docker and I want to use Laravel instead	Objectives to provide as much learning opportunity to Zulhilmi on App Dev platform (Laravel) and Linux (Ubuntu) yield favorable outcome.

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WEEK 8

DATE	TASK	REMARKS FROM SUPERVISOR
19/8/2024	• Start new project – KTHRM using Laravel	
20/8/2024	• Work on add employee data per person and by uploading excel • Work on view employees' details	
21/8/2024	• Update the profile view form • Working on some data that are Foreign Key to other tables and make sure instead of showing the digit, it'll show what the digit contains in the other table	
22/8/2024	• Update the profile view form • Add logo and some improvements on the form • Add graph into dashboard • Working on filter the employees list based on their company	
23/8/2024	• Add pie chart • Working on inserting real data into graph based on total of 3 status (Permanent, Contract, and Internship) according to each month	Impressive ! Good work. The knowledge of Laravel and applying it to develop the HR system is now clearly visible.

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WEEK 9

DATE	TASK	REMARKS FROM SUPERVISOR
26/8/2024	• Update graph so it is working with real data • Add search by name function to search employees • Update filter function to add filter by employment status	
27/8/2024	• Create edit page where user can update the employees' information	
28/8/2024	• Work with Excel - KTech	
29/8/2024	• Townhall Q2 - Where we present what we have done this past quarter and what we gonna do for next quarter	
30/8/2024	• Work with Excel - KServe	From normal page development, working with file import and data upload into database show true capabilities of Zul as software developer.

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WEEK 10

DATE	TASK	REMARKS FROM SUPERVISOR
2/9/2024	• Create new Excel for family info for KTech • Create upload family file function • Create database for family	Great work
3/9/2024	• Update Excel for family info for KServe • Add edit family function	
4/9/2024	• Add terminate function where it'll search for employee's ssn_number(MyKad) and the termination_date for that particular employee will be updated o The terminated employees won't appear anymore in the employees data/list	
5/9/2024	• Add status for employees either active or terminated • Add list page for terminated employees • Add another list for active employees that will show personal information • Add dependents into data where it'll count if employee have spouse and number of children	Work completed as planned. Keep it up.
6/9/2024	• Weekly update with supervisor • Add age (counts by current year minus year of employee's birthday) • Add ratio of full-time employee with others into dashboard	

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WEEK 11

DATE	TASK	REMARKS FROM SUPERVISOR
9/9/2024	•	
10/9/2024	•	
11/9/2024	•	
12/9/2024		
13/9/2024		
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WEEK 12

DATE	TASK	REMARKS FROM SUPERVISOR
16/9/2024	• Public Holiday	
17/9/2024	• Public Holiday	
18/9/2024		
19/9/2024		
20/9/2024		
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