INDUSTRIAL TRAINING LOG BOOK

Bachelor
Diploma

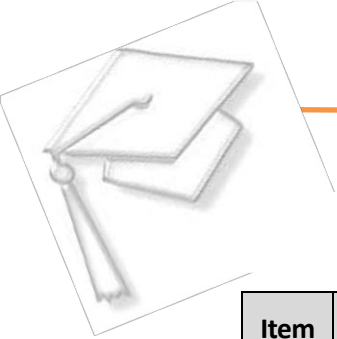# unisel
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BUKU LOG LATIHAN INDUSTRI

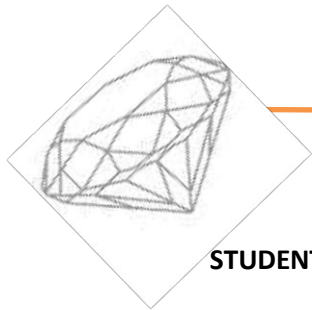LIST OF RECOGNIZED AND ACCREDITED AGENCIES:

CHECKLIST OF IMPORTANT DATES AND DEADLINES

Item	Activities	Details	Notes
PART I – GENERAL			
[a]	Briefing session	1st date: 2nd date:	
[b]	Training period	start : 7 April 25 end: 18 July 25	
[c]	Industrial Training confirmation	date: 7 April 25	
[d]	Course registration	date: 07 – April - 2025	
[e]	Report duty	date: 10 April 2025 organization's name:	
[f]	Academic Supervisor's visit from faculty	name: Faudzi Ahmad date: 11 April 2025 time: 10:30 P.M	
PART II – PRACTICAL PROGRESS			
[g]	Industrial Training Log Book		
[h]	Industrial Supervisor verification weekly report		
PART III –SUBMISSION			
[i]	Final Report	date: seven (7) days after Industrial Training end	
[j]	Industrial Training Log Book		

Important Notes:

i. The Industrial Training Log Book and Final Report are for the graduation eligibility and grading purposes.

ii. It is the students' responsibility to strictly adhere the above terms and condition. University reserves the right to revoke the graduation award if students fail to submit Industrial Training Log Book or Final Report.

SECTION A

STUDENT INFORMATION

Faculty	FCVAC
Programme	Bachelor of Computer Science (HONS)
Name	AHMAD FAUZAN BIN ABU AINI
Student ID No.	4222004871D
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Emergency contact details: Name: Abu Aini Bin Ahmad Nor			
Relationship	Father	Contact No.	012 - 3095 270
Residence/Home Address : (guardian/<u>parent</u>)	No. 180 JLN 8/3 Seksyen 8 , 43650, Bandar Baru Bangi, Selangor		

INDUSTRIAL TRAINING PLACEMENT

Organization	AL RAJHI BANK MALAYSIA		
Address	Integra Tower , JLN Tun Razak		
Contact No.		Email	
Commencement date	15 weeks	Duration (date)	7 April 25 start 18 July 25 end

FACULTY INDUSTRIAL TRAINING COORDINATOR

Name	Marliza Abdul Malik		
Email			
Contact No.	Mobile		Office	

INDUSTRIAL SUPERVISOR

Name	Muhammad Izhar Bin Shamsudin		
Designation	Finance & Administration		
Department	Data Scientist		
Email	muhammad-izhar@alrajhibank.com.my		
Contact No.	Mobile	013 – 893 9754	Office	Integra Tower

1. WORK SCHEDULE (MAJOR)

1.	Power Apps & Power Automate (Learning & Early Experiments)
2.	Power Apps & Power Automate (Development, Testing, UAT)
3.	Python CCRIS/CTOS Analysis Tool (Design, Implementation, User Feedback)
4.	Python CTOS Module & CCRIS Finalization
5.	Power BI Dashboards (Development & Final Review)
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10.	

Signature	
Name	Muhammad Izhar Bin Shamsudin
Date	09 April 2025

2. LIST OF MAIN TASK/JOB RESPONSIBILITIES

1.	Build and refine validation tools using Power Apps and Power Automate for financial workflows.
2.	Develop Python modules for analyzing CCRIS and CTOS XML files, including summary statistics, trends, and Excel export.
3.	Create and enhance Power BI dashboards for financial and operational reporting.
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Signature	
Name	Muhammmmad Izhar Bin Shamsudin
Date	09 April 2025

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3. INDUSTRIAL SUPERVISOR COMMENT(S)

Comment(s)/ suggestion(s) to enhance the quality of student professionalism (if applicable) :
General Use

Signature	
Name :	Muhammad Izhar Bin Shamsudin
Date :	18 July 2025

FACULTY ACADEMIC SUPERVISOR

Name	Faudzi Ahmad			
Position	Senior Lecturer			
Email	faudziahmad			
Contact No.	Mobile	019 – 643 2511	Office	FCVAC

FACULTY ACADEMIC SUPERVISOR VISIT

Notes:	
Signature Name Date	
Notes:	
Signature Name Date	

SECTION B

DAILY AND SUMMARY OF WEEKLY ACTIVITIES   (must be reviewed and approved by Industrial Supervisor)

1.   Daily activity   :   Month : April Week : 2 Date: 07

I started my week trying to wrap my head around CI/CD and DevOps concepts. Honestly, I didn't fully understand what they were at first, so I spent a lot of time searching Google and watching YouTube tutorials just to get the basics. My mentor suggested I look into GitHub Actions, but the setup seemed complicated at first.

2.   Daily activity   :   Month : April Week : 2 Date : 08

Still working on CI/CD, I kept reading articles and watching more videos. I tried setting up a basic GitHub Action for automated testing, but ran into errors and had to debug my workflow a lot. I also looked into Jenkins to compare, but mostly ended up taking notes and bookmarking resources for later. My mentor checked in and explained some deployment triggers and environment variables, but I still felt like I was missing pieces.

3.   Daily activity : Month : April   Week : 2 Date : 09

After a few days of research and trial-and-error, things started making a bit more sense. I managed to create a simple deployment workflow in GitHub Actions, though it wasn't perfect and I had to ask for help with rollbacks and variable settings. I also experimented with Docker and Git to simulate pipelines, but I made plenty of mistakes along the way. I realized CI/CD is more complex than I thought and takes time to get right..

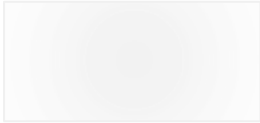4.   Daily activity : Month: April Week: 2 Date : 10

Once I felt a little more confident, I started documenting the setup process and the common issues I faced. Writing it down on noted pad helped me understand the steps better and also made it easier to ask for feedback from my mentor.

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5. Daily activity : Month : April   Week : 2 Date : 11

By the end of the week, I shared my findings and rough documentation with the development team during our standup. I was honest about the challenges and how much I still had to learn. The team gave me pointers on edge cases and encouraged me to keep improving the scripts. Although I'm still not an expert, I feel like I've made good progress and know where to look for help when I'm stuck., and environment variables.

6.   Daily activity : Month …………………………… Week …………………………… Date …………………………

7.   Summary of weekly activities

WEEK 1
I spent this week trying to understand the basics of CI/CD and DevOps completely by myself. Most of my time was dedicated to searching Google and YouTube to learn the concepts. After several days of trial and error, I managed to set up some basic GitHub Actions for automated testing and explored deployment triggers and environment variables. I documented my struggles and partial successes, and presented what I learned to the development team, acknowledging the areas I still needed to improve.
Approved by Industrial Supervisor

Signature	
Name	Muhammad Izhar Bin Shamsudin
Date	11 April 2025

DAILY AND SUMMARY OF WEEKLY ACTIVITIES   (must be reviewed and approved by Industrial Supervisor)

1.   Date: 14 April 2025 | Week: 3 | Month: April

I began exploring Power Apps and Power Automate today, mostly learning the basics on my own. I relied on online tutorials, documentation, and trial-and-error to understand how to build simple forms and flows. It was overwhelming at first, and I didn't always know if I was heading in the right direction.

2.   Daily activity : **15 April 2025**

I kept working through the basics by myself, testing out Power Automate flows and running into lots of unexpected errors. Debugging was slow and sometimes frustrating, especially without anyone to ask for help. I started keeping notes about what worked and what failed for future reference.

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3.   Daily activity   :   **16 April 2025**

I watched users interact with Power Apps forms and Automate flows during a UAT session, but I was just observing—not participating or getting direct advice. I paid close attention to usability issues and started a list of things I wanted to fix or improve.

4.   Daily activity   :   **17 April 2025**

I made my first attempt at building a multi-step approval workflow in Power Automate, but I struggled with getting the logic right. I broke the process down step by step, experimenting and learning from my mistakes. It was definitely not smooth, and I spent a lot of time searching online for solutions.

5.   Daily activity   :   **18 April 2025**

Most of my day was spent troubleshooting the approval flow. I managed to get a basic scenario working after lots of trial and error. I realized how important patience and persistence are, especially when you're figuring things out alone.

6.   Daily activity   :   Month …………………………… Week …………………………… Date …………………………

7. Summary of weekly activities

WEEK 2
This week, I started exploring Power Apps and Power Automate on my own. I watched tutorials, read documentation, and experimented with simple flows and forms, making plenty of mistakes along the way. I observed UAT sessions to see how users interact with these tools. By the end of the week, I made my first attempt at a multi-step approval workflow, but faced many troubleshooting challenges.

Approved by Industrial Supervisor	
Signature	
Name	Muhammad Izhar Bin Shamsudin
Date	18 April 2025

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DAILY AND SUMMARY OF WEEKLY ACTIVITIES (must be reviewed and approved by Industrial Supervisor)

1.   Daily activity : **21 April 2025**

With a bit more confidence, I started working on dynamic control visibility in Power Apps. I ran into a few issues with the logic and security, but I kept testing and tweaking my setup until it started behaving as expected. Feedback came only from testing myself or watching how the forms worked.

2.   Daily activity : **22 April 2025**

I tried building additional multi-step approvals and ran tests for each step. Every time something broke, I had to figure out the fix myself, usually by experimenting and searching online forums. I kept detailed notes so I could track what needed to be improved.

3.   Daily activity : **23 April 2025**

Refining validation logic for Power Automate flows was the focus today. Complex conditions were tough to get right, but I worked through each problem using online resources and lots of trial-and-error. Every solution was hard-earned.
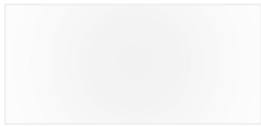
4.   Daily activity : **24 April 2025**

I watched another UAT session, focusing on user feedback to identify pain points. Any improvements I implemented were based on my own judgment and what I observed, since I had no direct guidance.

5.   Daily activity   : **25 April 2025**

I spent the day running logic tests on backend connections to SharePoint, finding and fixing bugs on my own. Staying consistent with workflow requirements was something I checked against the documentation and my own notes.

6.   Daily activity   : Month …………………………… Week …………………………… Date …………………………

7. Summary of weekly activities

WEEK 3
After gaining some confidence, I began actual development work in Power Apps. I worked on dynamic control visibility and kept testing different security and logic setups. I also tried building additional approval workflows and refined validation logic, tackling complex conditions and addressing issues I discovered on my own. User feedback during UAT sessions helped me identify pain points and make improvements.
Approved by Industrial Supervisor

Signature	
Name	Muhammad Izhar Bin Shamsudin
Date	25 April 2025

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DAILY AND SUMMARY OF WEEKLY ACTIVITIES (must be reviewed and approved by Industrial Supervisor)

1.   Daily activity : **28 April 2025**

I joined a QA review of validation rule matrices, but I had to figure out how to align my automation logic with business rules without any help. It made me realize how much detail goes into thorough testing.

2.   Daily activity : **29 April 2025**

I worked on refining the user interface for financial forms in Power Apps, experimenting with tooltips and error messages. Whenever something didn't work, I had to troubleshoot it solo, which taught me a lot about persistence.

3.   Daily activity : **30 April 2025**

I met with Finance to hear about new requirements and workflow improvements, but I was responsible for figuring out how to implement everything myself. Planning and updating documentation was a solo effort.

4.   Daily activity : **01 May 2025**

I implemented new dynamic control rules in Power Apps based on feedback from users and my own testing. Every fix and improvement was based on my own research and experiments.

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5.   Daily activity   : **02 May 2025**

I reconnected the backend to SharePoint and ran thorough logic tests, updating compliance documentation as I went. It was all self-driven, and progress felt slow but steady.

6.   Daily activity   : Month …………………………… Week …………………………… Date …………………………

7. Summary of weekly activities

WEEK 4
I focused on backend logic and the SharePoint connection, fixing bugs and reviewing validation rules with QA. I spent time refining the user interface for financial forms and met with Finance to discuss new requirements, updating documentation and planning new features. Testing and compliance checks became routine as I implemented new rules and ran thorough logic tests.
Approved by Industrial Supervisor

Signature	
Name	Muhammad Izhar Bin Shamsudin
Date	02 May 2025

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DAILY AND SUMMARY OF WEEKLY ACTIVITIES (must be reviewed and approved by Industrial Supervisor)

1. Daily activity : **05 May 2025**

I focused on backend logic tests and refining workflows, working through inconsistencies on my own. Regular self-review helped me spot issues and keep things up-to-date.

2. Daily activity : **06 May 2025**

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I gathered new requirements from Finance and updated validation logic to reflect changing business rules. Adapting quickly and solving problems independently is something I'm getting better at.

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3.   Daily activity   :   **07 May 2025**

Clarifying requirements and making adjustments to the validation tools was all up to me, so each update required thorough self-testing and documentation.

4.   Daily activity   :   **08 May 2025**

Reviewing validation matrices with QA was a learning experience—I had to interpret feedback myself and figure out how to fix issues without outside help.

5.   Daily activity   :   **09 May 2025**

Debugging tricky flow conditions in Power Automate took hours, but step-by-step logic tracing and online research helped me resolve problems and improve reliability.

6.   Daily activity   : Month …………………………… Week …………………………… Date …………………………

7. Summary of weekly activities

WEEK 5
This week was about keeping the validation tools consistent and up-to-date. I gathered new requirements from Finance and made careful adjustments to validation logic, each update requiring thorough self-testing and documentation. Working with QA helped me catch more bugs and improve robustness. Debugging tricky flows in Power Automate was a common theme.
Approved by Industrial Supervisor

Signature	
Name	Muhammad Izhar Bin Shamsudin
Date	09 May 2025

DAILY AND SUMMARY OF WEEKLY ACTIVITIES   (must be reviewed and approved by Industrial Supervisor)

1.   Daily activity   :   **12 May 2025**

I finally managed to implement multi-step approvals in Power Automate after lots of trial and error. Testing the process solo and showing it to Finance felt rewarding, knowing I'd built it myself.

2.   Daily activity   :   **13 May 2025**

Refining the approval process continued, with feedback from Finance and QA. All updates to documentation and workflows were self-directed, and I learned just how iterative real-world development can be.

3.	Daily activity	:	**14 May 2025**

A meeting with Finance brought new requirements, which I had to figure out how to build on my own. Planning for updates and new features was a solo challenge.

4.	Daily activity	:	**15 May 2025**

I experimented with adding new dynamic controls to Power Apps, personalizing the user experience for different roles. Testing and refining was all self-guided.

5.   Daily activity   :   **16 May 2025**

Expanding the approval workflow to handle complex scenarios meant more research and troubleshooting by myself. Collaborating with Finance helped me understand the business side, but the technical work was entirely my own.

6.   Daily activity   :   Month …………………………… Week …………………………… Date …………………………

7. Summary of weekly activities

WEEK 6
I finally managed to implement multi-step approvals and refined the process based on user and QA feedback. Meetings with Finance led to new requirements and more feature planning. I experimented with adding new dynamic controls to Power Apps and expanded approval workflows to handle more complex scenarios, relying on my own research and problem-solving.
Approved by Industrial Supervisor

Signature	
Name	Muhammad Izhar Bin Shamsudin
Date	16 May 2025

DAILY AND SUMMARY OF WEEKLY ACTIVITIES   (must be reviewed and approved by Industrial Supervisor)

1.   Daily activity   :   **19 May 2025**

Another UAT session meant more user feedback and real-time problem solving, all handled independently. Each fix and update built my confidence.

2.   Daily activity   :   **20 May 2025**

Checking backend connections and running logic tests for SharePoint was routine, but every bug I found and fixed was another solo learning moment.

3.	Daily activity	:	**21 May 2025**

Retesting backend logic and confirming compliance with Finance's standards was my responsibility, and I relied on my own notes and documentation to keep things consistent.

4.	Daily activity	:	**22 May 2025**

Improving dynamic control visibility in Power Apps, I focused on security and relevance for financial data. Every detail mattered, and I kept learning through experimentation.

5. Daily activity : **23 May 2025**

UAT sessions today meant more solo troubleshooting and small but important changes based on user feedback. Seeing improvements in action was motivating.

6. Daily activity : Month ……………………………… Week ……………………………… Date …………………………

7. Summary of weekly activities

WEEK 7
Another round of UAT sessions meant more user feedback and real-time troubleshooting. I continued refining backend logic and compliance checks, improving dynamic control visibility and making small but important updates based on what users found during testing.

Approved by Industrial Supervisor	
Signature	
Name	Muhammad Izhar Bin Shamsudin
Date	23 May 2025

DAILY AND SUMMARY OF WEEKLY ACTIVITIES (must be reviewed and approved by Industrial Supervisor)

1. Daily activity : **26 May 2025**

I started a new project focused on CCRIS and CTOS data analysis. For the first couple of weeks, I dedicated time to studying the structure and content of the BNM XML datasets. I explored sample CCRIS and CTOS files, taking notes on field formats and possible challenges. My main goal was to understand how users would interact with these files and what kind of analysis would be most helpful for them.

2. Daily activity : **27 May 2025**

I continued investigating the XML schemas for CCRIS and CTOS, comparing how data is organized and identifying key fields for reporting. I read documentation and tried loading some XML files into Python, but ran into parsing issues that I had to troubleshoot on my own. I kept a running list of requirements for user-friendly features, like importing and exporting data with minimal effort.

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3. Daily activity : **28 May 2025**

Still in the analysis phase, I mapped out what a user-friendly workflow would look like: users should be able to upload CCRIS or CTOS XML files, view the report interfaces, get automated analysis, and export results to Excel. I began sketching UI ideas and planned how to structure the code for modularity—one part for CCRIS, another for CTOS.

4. Daily activity : **29 May 2025**

I started building the CCRIS module. My first task was to write a Python parser that could reliably read CCRIS XML files. It took several tries to get the parsing logic right due to inconsistencies in sample files. Once the basics worked, I created a simple interface for users to import files and view extracted data.

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5.   Daily activity : **30 May 2025**

I added summary statistics and trend indicators to the CCRIS analysis output. This made the tool more informative, allowing users to quickly see important metrics. I also included error handling for malformed XML records, learning how crucial robust code is for user experience.

6.   Daily activity : Month …………………………… Week …………………………… Date …………………………

7. Summary of weekly activities

WEEK 8
I shifted focus to a Python-based CCRIS analysis tool. After spending two weeks studying XML data formats and field mappings, I started building the CCRIS parser and added summary statistics and trend indicators. Fixing parsing bugs and implementing multi-threading to speed up bulk uploads were key accomplishments. I also created the first Excel export using pandas.

Approved by Industrial Supervisor	
Signature	
Name	Muhammad Izhar Bin Shamsudin
Date	20 May 2025

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DAILY AND SUMMARY OF WEEKLY ACTIVITIES   (must be reviewed and approved by Industrial Supervisor)

1.   Daily activity   :   **02 June 2025**

With the CCRIS module taking shape, I shared a demo with users for feedback. They appreciated the import and analysis features but requested more clarity in the reporting interface and some additional metrics. I noted their suggestions for my next round of improvements.

2.   Daily activity   :   **03 June 2025**

I worked on refining the CCRIS parser, especially to support the latest BNM schema. Designing the parser was a challenge, as I had to account for optional fields and irregular data. User feedback from the previous demo helped guide some interface changes.

3.   Daily activity   :   **04 June 2025**

I updated field mappings in the CCRIS module to match recent schema changes. Keeping up with updates is tricky, but it's important for compatibility. I also tweaked the analysis logic to make summary statistics more accurate.

4.   Daily activity   :   **05 June 2025**

I focused on making the Excel export feature for CCRIS data more user-friendly. Using pandas, I structured the output so it's easier for users to analyze further or share with others. Usability was my main priority.

5.   Daily activity   : **06 June 2025**

After more feedback from users, I adjusted both the interface and the analysis features of the CCRIS module. Meetings helped me understand what users valued most: quick insights, error-proof workflows, and clear exports.

6.   Daily activity   : Month …………………………… Week …………………………… Date …………………………

7.   Summary of weekly activities

WEEK 9
The CCRIS tool progressed with presentations to users and teams, gathering feedback for improvements. I refined the parser and field mappings to match current schema versions, and improved the usability of Excel exports. Collaboration through meetings helped me understand what users needed most.
Approved by Industrial Supervisor

Signature	
Name	Muhammad Izhar Bin Shamsudin
Date	06 June 2025

DAILY AND SUMMARY OF WEEKLY ACTIVITIES (must be reviewed and approved by Industrial Supervisor)

1.   Daily activity : **09 June 2025**

I reviewed XML parser performance and started optimizing batch processing for large CCRIS file imports. Speed and reliability became key goals, especially as users began testing with real data.

2.   Daily activity : **10 June 2025**

I built exception handling routines for malformed CCRIS XML records. This made the tool more robust—users could upload files confidently, knowing the tool would handle errors gracefully.

3. Daily activity   :   **11 June 2025**

I fixed parsing bugs found during user validation sessions. Testing is definitely ongoing, but each bug resolved made the CCRIS workflow more stable.

4. Daily activity   :   **12 June 2025**

I continued fixing bugs and cross-checking extracted data against sample CCRIS reports. Accuracy is critical for users relying on these insights.

5.   Daily activity : **13 June 2025**

I generated structured Excel reports from CCRIS XML data, focusing on clarity for business users. I also added labels and formatting to make exports more readable.

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6.   Daily activity : Month …………………………… Week …………………………… Date …………………………

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7. Summary of weekly activities

WEEK 10
I focused on optimizing the CCRIS XML parser and batch import performance. Building exception handling routines made the tool more robust. Continuous bug fixes and accuracy checks kept things reliable, and I worked on making the exported reports clear and useful for business users.
Approved by Industrial Supervisor

Signature	
Name	Muhammad Izhar Bin Shamsudin
Date	13 June 2025

DAILY AND SUMMARY OF WEEKLY ACTIVITIES   (must be reviewed and approved by Industrial Supervisor)

1.   Daily activity   :   **16 June 2025**

I enhanced the CCRIS module's analysis features, adding more summary statistics and trend indicators to the interface. Users now get actionable insights at a glance.

2.   Daily activity   :   **17 June 2025**

I updated CCRIS field mappings again due to another schema change. Staying flexible is essential, as requirements keep evolving.

3.   Daily activity   :   **18 June 2025**

Presented CCRIS tool updates in a meeting, explaining new features and planned improvements. Practicing technical communication has become part of the process.

4.   Daily activity   :   **19 June 2025**

Refined Excel reports for CCRIS, making sure data is organized and easy to interpret. Stakeholder feedback drove several formatting changes.

5. Daily activity   : **20 June 2025**

Team meetings focused on the value of collaboration and how the CCRIS tool fits into broader workflows. I took notes on suggestions for further enhancements.

6. Daily activity   : Month ……………………………. Week ……………………………. Date ……………………………

7. Summary of weekly activities

WEEK 11
I enhanced the CCRIS module with additional summary statistics and trend indicators. Updating field mappings and presenting tool updates in meetings became routine. Refining Excel reports for clarity and responding to stakeholder suggestions were key tasks.
Approved by Industrial Supervisor

Signature	
Name	Muhammad Izhar Bin Shamsudin
Date	20 June 2025

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DAILY AND SUMMARY OF WEEKLY ACTIVITIES   (must be reviewed and approved by Industrial Supervisor)

1.   Daily activity   :   **23 June 2025**

Updated CCRIS field mappings for new schema releases. Staying up-to-date ensures the tool remains relevant for users.

2.   Daily activity   :   **24 June 2025**

Presented the CCRIS tool's latest updates to other departments, discussing possible enhancements and integrations. Seeing the bigger picture is motivating.

3.   Daily activity   :   **25 June 2025**

Shared ongoing improvements to the CCRIS module, practicing clear communication with technical and non-technical audiences.

General Use

4.   Daily activity   :   **26 June 2025**

I added more summary features and trend indicators to the CCRIS analysis interface, making it even more comprehensive.

5.   Daily activity   :   **27 June 2025**

Designed and implemented advanced CCRIS parsing features, including support for edge cases and less common XML structures.

6.   Daily activity   :   Month ……………………………… Week ……………………………… Date ………………………………

7. Summary of weekly activities

WEEK 12
I kept the CCRIS tool current by updating field mappings for new schema releases and presenting improvements to other departments. Adding new summary features and designing advanced parsing logic helped support more complex XML files and user needs.
Approved by Industrial Supervisor

Signature	
Name	Muhammad Izhar Bin Shamsudin
Date	27 June 2025

DAILY AND SUMMARY OF WEEKLY ACTIVITIES (must be reviewed and approved by Industrial Supervisor)

1.	Daily activity	:	**30 June 2025**

Improved CCRIS output formatting and summary features, focusing on making analysis reports easier for users to read and use.

2.	Daily activity	:	**01 July 2025**

I began developing the CTOS module, using what I learned from the CCRIS experience. The initial step was to parse CTOS XML files and review their field differences. Getting the parser to work took several attempts, but I learned a lot about data formats.

3.   Daily activity   :   **02 July 2025**

Added summary statistics and trend indicators to the CTOS analysis output. The interface now supports both CCRIS and CTOS imports, giving users a unified experience.

4.   Daily activity   :   **03 July 2025**

Focused on generating structured Excel reports for CTOS data, applying lessons from CCRIS to ensure clarity and usability.

5.   Daily activity : **04 July 2025**

Adjusted CTOS field mappings in response to schema changes. Keeping both modules up-to-date is crucial for user confidence.

6.   Daily activity : Month …………………………… Week …………………………… Date …………………………

7. Summary of weekly activities

WEEK 13
I improved CCRIS output formatting and summary features, then started developing the CTOS module. Parsing CTOS XML files and integrating summary statistics and trend indicators brought the tool closer to supporting both data types. Keeping both modules up-to-date and user-friendly was my main focus.
Approved by Industrial Supervisor

Signature	
Name	Muhammad Izhar Bin Shamsudin
Date	04 July 2025

Computing 22134

DAILY AND SUMMARY OF WEEKLY ACTIVITIES (must be reviewed and approved by Industrial Supervisor)

1.	Daily activity : **0 7 J u l y 2 0 2 5**

I started building Power BI dashboards, visualizing cross-border trends with clustered column charts. Learning to use Power BI was exciting and challenging.

2.	Daily activity : **08 July 2025**

Developing dashboards to showcase cross-border debit card transaction patterns helped me understand how visualizations support data-driven decisions.

3. Daily activity   :   **09 July 2025**

Refining tooltip content in Power BI made hover states more meaningful, improving the user experience.

4.   Daily activity   :   **10 July 2025**

Improving tooltips and dashboard UI for clarity and helpfulness was my focus today.

5.　　　Daily activity　:　**11 July 2025**

Updating dashboards with more KPI cards improved insights for executives and operational teams alike.

6.　　　Daily activity　:　Month …………………………… Week …………………………… Date …………………………

7. Summary of weekly activities

WEEK 14
I began building Power BI dashboards, focusing on visualizing cross-border trends and Based debid card. Integrating KPI cards and refining tooltip content improved dashboard usability. I worked on making data insights clear for both operational staff and executives.
Approved by Industrial Supervisor

Signature	
Name	Muhammad Izhar bin Shamsudin
Date	11 July 2025

DAILY AND SUMMARY OF WEEKLY ACTIVITIES   (must be reviewed and approved by Industrial Supervisor)

1.   Daily activity   :   **14 July 2025**

Refining tooltip content again in Power BI, I learned how small UI changes can make a big difference.

2.   Daily activity   :   **15 July 2025**

Integrating more analysis to ensured dashboards served both operational and executive needs effectively.

3.   Daily activity : **16 July 2025**

Improving hover states and tooltips, I focused on usability for all dashboard users.

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4.   Daily activity : **17 July 2025**

Developing new dashboards to highlight debit card transaction patterns made insights easily accessible for decision-makers.

5.   Daily activity : **18 July 2025**

I hereby submit all required assessments, tasks and documentation. Additionally, I return the company laptop and all related assets to the company as part of my exit procedure. With this, I formally conclude my internship period and respectfully leave the organization. I would like to express my sincere gratitude for the valuable experience, guidance, and opportunities provided throughout my training.

6.   Daily activity : Month …………………………… Week …………………………… Date …………………………

7. Summary of weekly activities

WEEK 15
During my final week of industrial training, I focused on polishing and completing the Power BI dashboards for financial and operational analysis. I also finalized documentation, organized all project files. As part of the exit procedure, I returned the company laptop and assets to the organization.
Approved by Industrial Supervisor

Signature	
Name	Muhammad Izhar bin shamsudin
Date	18 July 2025

SECTION C

INDUSTRIAL TRAINING FINAL REPORT

At the end of the Industrial Training/Clinical/Practical Training programme, students are required to complete the Industrial Training Log Book and Final Report. Students are encouraged to perform as many desired industrial characteristics or attributes as listed in their daily report activities in the Industrial Training Log Book. Aside from the list provided, students are advised to acquire other industrial attributes that will benefit their future career path.

Format for Industrial Training Report

Students are advised to follow the structure of report as stated below :

(i)	Cover page
(ii)	Acknowledgement
(iii)	Table of Contents
(iv)	Introduction
(v)	Organization background
(vi)	Organization structure
(vii)	General operation
(viii)	Activity and achievement during practical training
(ix)	Comment or Recommendation
(x)	Conclusion
(xi)	Appendixes
(xii)	References

Paper size	:	A4 white colour (214mm x 247mm)
Type	:	Typed, 1.5 spacing, margin – left, right, top and bottom is 2cm
Language	:	English ONLY
Font	:	Times New Roman; size 12

Cover page   :   Hard cover and must comprise the following information:

(i)   **Course Name**
Course Code

(ii)   **Organization Name**
City, State

(iii)   **Student Name**
Student ID No.

(iv)   **Name of Programme**
Faculty

(v)   **Training Period**

Student's Industrial Training Final Report: Binding

Industrial Training Log Book

The Log Book has been designed specifically to guide student and employers in relation to work areas they need to cover. This is to equip themselves with communication and professional skills that would ensure effective Industrial Training/Clinical/Practical Training, and to give full commitment to the training given and assigned work, and to integrate the knowledge and skills obtained towards building successful career.

a.   Activities of the day – refers to all the activities occur in a day. Students are required to fill up the Log Book on a daily basis.

b.   Achievement of the day – refers to students' evaluation on their performance achieved in a day according to the desired Industrial characteristics.

c.   Industrial Supervisor Comment(s) – this section will require students to submit their Log Book at the end of every week to their employer or appointed supervisor(s) for signature/approval.

Computing 22134

Industrial Training
Course Code

Al Rajhi Bank
Kuala Lumpur,
Selangor

Ahmad
Fauzan Bin
Abu Aini
4222004871D

Bachelor of Computer
Science
FCVAC

Training period

15 weeks

SECTION D

ATTENDANCE RECORD
INDUSTRIAL TRAINING

Student's Information
Faculty : FCVAC
Programme : Bachelor of Computer Science
Name : Ahmad Fauzan Bin Abu Aini
Student ID No. : 4222004871D
Email : fauzansahmmmmad1@gmail.com   Contact No. : 013- 3756261
Practical (Semester) : Semester 8   Report Duty Date :
Organization Name: Alrajhi Bank Malaysia
Address: Integra Tower
Industrial Training (duration) : 07 April 2025   to   18 July 2025

Industrial Supervisor
Supervisor's Name : Muhammad Izhar Bin Shamsudin
Designation :
Department : Data Scientist
Email : muhammad-izhar@alrajhibank.com.my
Office No. :

Industrial Supervisor's Signature

Name : Muhammad izhar bin shamsudin
Date   : 18 July 2025

Company's Stamp

Codes use : Please fill in the form using the following code :

Day		Attendance Status (ATT)	
Monday	Mon	**Present**	P
Tuesday	Tue	**Absent**	A
Wednesday	Wed	**Medical Leave**	ML
Thursday	Thu	**Public Holiday**	PH
Friday	Fri	**Official Leave**	OL
Saturday	Sat	(with official application and the company consideration)	
Sunday	Sun		

Computing 22134

ATTENDANCE RECORD

W1			M2			M3			M4			M5			M6		
MONTH NO. 1			**MONTH NO. 2**			**MONTH NO. 3**			**MONTH NO. 4**			**MONTH NO. 5**			**MONTH NO. 6**		
DATE	DAY	ATT.	DATE	DAY	ATT.	DATE	DAY	ATT.	DATE	DAY	ATT.	DATE	DAY	ATT.	DATE	DAY	ATT.
1			1	Thu	P	1			1	Tue	P	1			1		
2			2	Fri	P	2	Mon	P	2	Wed	P	2			2		
3			3			3	Tue	P	3	Thu	P	3			3		
4			4			4	Wed	P	4	Fri	P	4			4		
5			5	Mon	P	5	Thu	P	5			5			5		
6			6	Tue	ML	6	Fri	P	6			6			6		
7	Mon	P	7	Wed	P	7			7	Mon	P	7			7		
8	Tue	P	8	Thu	P	8			8	Tue	P	8			8		
9	Wed	P	9	Fri	P	9	Mon	P	9	Wed	P	9			9		
10	Thu	P	10			10	Tue	P	10	Thu	P	10			10		
11	Fri	P	11			11	Wed	P	11	Fri	P	11			11		
12			12	Mon	P	12	Thu	P	12			12			12		
13			13	Tue	P	13	Fri	P	13			13			13		
14	Mon	P	14	Wed	P	14			14	Mon	P	14			14		
15	Tue	P	15	Thu	P	15			15	Tue	P	15			15		
16	Wed	P	16	Fri	P	16	Mon	P	16	Wed	P	16			16		
17	Thu	P	17			17	Tue	P	17	Thu	P	17			17		
18	Fri	P	18			18	Wed	P	18	Fri	P	18			18		
19			19	Mon	P	19	Thu	P	19			19			19		
20			20	Tue	P	20	Fri	P	20			20			20		
21	Mon	P	21	Wed	P	21			21			21			21		
22	Tue	P	22	Thu	P	22			22			22			22		
23	Wed	P	23	Fri	P	23	Mon	P	23			23			23		
24	Thu	P	24			24	Tue	P	24			24			24		
25	Fri	P	25			25	Wed	P	25			25			25		
26			26	Mon	P	26	Thu	P	26			26			26		
27			27	Tue	P	27	Fri	P	27			27			27		
28	Mon	P	28	Wed	P	28			28			28			28		
29	Tue	P	29	Thu	P	29			29			29			29		
30	Wed	P	30	Fri	P	30	Mon	P	30			30			30		
31			31			31			31			31			31		
Training Supervisor Verification																	
M6			M6			M6			M6			M6			M6		
Signature			Signature			Signature			Signature			Signature			Signature		
Date :			Date :			Date :			Date :			Date :			Date :		

INSTRUCTIONS:
Please attach your Official Supporting Document (Medical Certificate) in the provided box and/or attach your supported documents for your Official Leave.

Industrial Supervisor Verification
Signature *and* Stamp
Date :

Industrial Supervisor Verification
Signature *and* Stamp
Date :

Industrial Supervisor Verification

Signature *and* Stamp

Date :

Industrial Supervisor Verification

Signature *and* Stamp

Date :

Industrial Supervisor Verification

Signature *and* Stamp

Date :

Industrial Supervisor Verification

Signature *and* Stamp

Date :

SECTION E

REPORT DUTY FORM
INDUSTRIAL TRAINING

Student's Information
Faculty :
Programme :
Name :
Student ID No. :
Email :   Contact No. :
Practical (Semester) :
Organization Name:
Address:
Industrial Training (duration) :   to
Report Duty Date :

Industrial Supervisor				
Name :				
Designation :				
Department :				
Email :				
Office No. :				
Trainee's Benefit	* Please tick (√) and state if applicable			
	i. Accommodation		ii. Allowance	RM	iii. Others	

Industrial Supervisor's Signature

_____

Name :

Date   :

Company's Stamp

REMINDER : Kindly submit "Report Duty Form" to Faculty Industrial Training Coordinator within seven (7) days after report duty. Thank you.

Computing 22134

unisel
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