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| Ms. Apinun J. / Ms. Tasanee P. (HRA) ⇒ Staff responsible  Deadline for submission on the 5th of the following every month.  Example Monthly report for Dec ⇒ 01 Dec – 31 Dec  ※If the submission deadline is a holiday,  the next working day shall be deadline. | **University** | Chiang Mai University |
| **Section** | QA planning |
| **Name** | Phanuwat Wongworrakulkit |

**Bachelor Degree Training Monthly Report**

**1. Monthly Report 🡪 May 2024 (Trainer of purpose)**

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| - QC process charts - Improve certificate systems |

**2. Achievement of training in this month (Please explain detail of training in this month by trainee)**

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| Details of training: experience, leaning work, activity, etc. |
| 1. **Inspect the production line each week to control quality(weekly routines).**   Each week the production line is inspected to control quality to meet the required standards by QA planning section. It will be inspected through the specified documents ,process charts and checked sheets etc. This month we have inspected 3 production lines.  1.1 Inspect the production line W1  1.2 Inspect the production line L2  1.3 Inspect section heat exchange (indoor)  We encounter problems that vary from production to production line, such as  - Some required settings are incorrect according to the documentation, such as pressure - Not calibrating the machine before use(Calibrations have an expiration date. If it runs out, you have to do it again.)  - Some data were calculated incorrectly.  - Etc.(get more information from QA planning)  After inspecting that production line We will provide suggestions or measures to prevent the problem from occurring again. And a report is also made to follow up.   1. **Improvement Project certificates system. Backgrounds :**   At present, we can produce any air conditioner. We must have a certificates. This shows that we can produce according to the standards specified by that certificates. which in each region or country There will be different standards. If we want to produce air conditioners to export to sell in each region or country. We must also have a comprehensive certificates that is consistent with each other.  The number of countries or regions we export to is increasing. Moreover, on one certificates there are sub- certificates numbers. which covers many air conditioner models And there is a trend that is becoming more and more likely. which have different expiration dates.  Each certificates has many people involved in taking care of it. Some people take care of more than one certificates.  **Problems :**  With the amount of information on certificates and many involved persons This makes it difficult to notify (via email) to remind each person to prepare.  Now there is Excel, which helps partially solve the problem. But because it is Excel, some functions may not be available. For example, automatic notification via email. Data can be displayed only in tabular form. Data display is less flexible.  **Solutions :**  We will buildWeb-applications from Django frameworkfor displaying certificates information. There are functions for searching, filtering, adding, or deleting information. which users can easily**.** and can also make more complex systems such as Automatic notification system when the certificates has expired, etc.  It is highly flexible and can be adjusted according to the needs of users in various formats. Can be applied in many ways.  **Project progress this month (June)**   * 1. **: Database Design : The database is designed to be suitable for use. effective and is safe** The details are as follows: **- Country :** A country may consist of multiple Certificate  Each country has a different threshold(number of days before Certificate number status changes) for each country. **- Certificate :** Each Certificate may contain multiple Certificate numbers. **- Certificate number :** Each license number contains the following information:certificate\_no , issue\_date , expire\_date , report\_no , report\_issue\_date , remark , status and outdoor,indoor model  **- Outdoor,Indoor model :** May be controlled by more than one certificate number.and have a specific pairing **- Stakeholder :** Who will receive notification via email every week     **Relational Mapping**   * 1. **Design frontend website page for displaying information from a database**      * 1. **Make connection between frontend and backend(database)**       Able to retrieve various information recorded in the database and display it on the website as required. With various functions Make it easier for users to search for information Be it filters, search bars, or sort buttons.    **You can easily add, delete or change data within the database. Without having to write SQL directly through the admin management system which is automatically generated by Django.**      **Data within the database can be manipulated through the admin management system without having to write SQL directly (this is a database which stores various data).**   * 1. **There is a system to automatically notify relevant people via email. In addition, The manual email sending function is still available**     **The manual email sending function is still available.**          **The system notifies stakeholders via email according to the specified schedule. You can also set some special conditions, such as additional notifications if the certificates status changes.**  **- As of now, notifications will be sent every week.** |
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**3. Trainer Comment**

**(Trainer writes comment 🡪 Section Manager 🡪 HRA Dept.)**

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