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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 🡪 July 2024 (Trainer of purpose)**

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| - QC process charts - Improve certificate systems - Improve minimum standard testing requirement 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.  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 certificates system (Now)**   * **Notifications can now be sent via email both manually and automatically. You can set various conditions as desired, such as 1 time a week** * **Able to display information stored in the database through the website. And there are various functions for users to use to make finding the information they need easier, such as filters and search bars.** * **Efficient database management There is an admin system which determines who can act on the information. There is also protection against mistakes made by users, such as recording data repeatedly or filling in the wrong type of information.**   **Project certificates system (Next)**  **It is deployed on the intranet. So that everyone can try it out and test it for later improvement. (Post-test improvements)**  Currently, air conditioners can be produced and exported for sale to any country or region. The test must meet the Minimum Standard Testing requirement (Unit) of each country. The Item tests and specifications may be the same or vary by country or region. For example, some countries or regions may require a Pressure test(Item tests), but others do not. In one item test there may be many specifications. The details vary according to each country or region.  Now there are many countries and regions involved. It has many test topics and related details as well. This leaves a huge amount of information to look at. To prevent confusion among users. The display of information must be effective.  Therefore, a Web Application has been developed for storing and displaying minimum standard testing requirement(unit) of each country by changing from using Excel to a Web Application using the Django framework for development. The developer wants to format the data display. To be as user friendly as possible      **Table for displaying minimum standard testing requirement(unit) of each country**  **(format may be changed in the future)**      **There are filters for both the Item Test - Specification and Country columns.**    **When you use a filter, you will cut out other information that you don't want to see, such as in pictures. Use Thailand's filters. This will make only the topic Item Test – Specification visible. that Thailand requires testing** |
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**3. Trainer Comment**

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

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