**Introduction**

In the second two weeks of training in king Fahad medical research center especially at the joint supervision program (JSP) department our supervisor in the center has given us two main important tasks which are the database and the interface for the units in the JSP department, besides the website for the center. So far, we did so well on both tasks even though we did not finish it yet but we are learning and doing our best. Moreover, in these two weeks we were more focusing to accomplish the database and the website faster since we did not have so much time left.in this report we will show in detail what have we done in it.

**Third week**

In this week we were more focusing on the database since the higher authority did not gave us any conformation for the logo designing and colors, so we did not work on the website of the center. Instead of that we were designing the interface for the database and we made sure to cover all the requirement that needs to be shown for the user which they are units administrator. After, we designed the ER diagram for the database to know how to connect every single data to each other and how it should be represented. The first day, we worked on the data interface designed by using Qt Tool but we did not like the interface that application did instead of that we chose tkintar tool in Python because the interface is more efficient and not boring since we can control what color of interface we like, also we arranged the data base in Excel to make it easier for us to know what data do we needed to be shown in the interface. We wrote a new version of book that need to be putting in the website for the center, the content of book shows illustrations and information of the JSP programs. The second and third day, the two groups of the educational affair and the financial affair were divided into two to do the ER diagram for the database and mapping the data into schema diagram to connect the tables that we did on the ER diagram we did these to theoretical parts to make it easier for us to do the coding part of the database. Moreover, the other group have done a small part of coding the interface by using tkintar in python. Besides, we decided to use sqlite to do the coding on the database so we can connect them to the interface after we finish the coding of both database and its interface. All of our works in these database task were by watching educational videos to learn from it. And we still watching videos to learn from it new stuff that will benefit us in the training. The fourth day, this day was continuation for the previous day works since it was full day of work, the coding part especially the interface was a new experience for us since we did not have done stuff like that before so it was a kind of hard at first but after watching the videos, we know how to build the interface correctly. Also, the database coding part was easy but we forgot stuff since its been a while from taking the course it took us time to remember but after that we figure it out. The sqlite tool was a new for us as well but after watching couple of tutorials it becomes easier for coding. We also watched a similar project on YouTube that helped us as well. The last day of the third week was more about the interface of the database coding we build the fundamentals of the interface like the buttons, textbox, the colors, and the constraint that should be existing in the interface for entering the data of the students of the program.in addition we modified some of the tables of the database we add new data that we forgot to add so we did some modifications on the database coding as well. The first week was all about the database requirement, its took us a long time actually to understand the requirements that administrators needs on their database but so far we are doing so well.

**Fourth week**

In this week our supervisor in the center got a news for us that the higher authority gave their approve to the visual identity and logo for the center so, we they told us immediately to stop the work that we doing on the database task and to start work on the website which is the most important task that they want us to done since the center does not have a visual identity from a long time. The first day of the week, tis day was as well a continuation for the database we made some modifications to the ER diagram to reach the required format for the correct database programming work, as well as completed the interface programming but not fully because we noticed some mistakes that needed to be modify. Moreover, our supervisor at the center held a meeting with us to discuss the website requirements that should be in it, she gave us the initial divisions of the website and how its interface might be. And my colleagues and I will understand the website divisions in order to divide it correctly and fairly between us. The second day, after we made some modifications to the ER and adding some data that we lacked, the database became clear to us initially, and we did programming for it using sqlite. my colleagues did a big part of the interface code for the database and adding the appropriate fields and data to the database. It is possible that during our progress in programming the interface and the database, we face some modifications, but in principle all of that we did so well. The supervisor of the center suggested that we stop and start working on the interface of the center's website, which is the most important thing. The third day, in this day we stopped the database task temporarily and start working on the website for the center. We watched some tutorials of the websites coding on YouTube to learn how to code it quickly. We watched HTML and CSS clips to understand the basics of them to use it in the website coding. Besides, my colleagues and I start working on the website coding since two of them have some knowledge about the websites coding so they did a small part of coding to make sure that they know how to deal with it. They did a small example like the tabs and the colors of them. We decided to do the coding pages then copy the pages on the right box of the website. The fourth day, we did an initial design for the website interface icons that will be shown for the users that will enter the center website. Moreover, my colleagues did some updates on the book design to make it more comfortable for the eyes. The last day of the fourth day, we decided to divide ourselves into two groups. The group of educational and financial affairs on the database and its interface in order to finish it quickly in the exact time. And to put our all focus on the website designing and coding which is the most important thing. Our supervisor in the center set with us a meeting to discuss with us the prototype or the design that show wants the website looks like. She gave the what tabs she wants, the addresses, and the content of it. this week was full of works since their still no time left to finish the trainig but we are doing our best.

**Conclusion**

In the end, we are really felt like we are in training after they gave us these tasks because it is really matching our capability and our field, we are having fun because we faced new challenges and new information about coding interfaces and websites since it our first time to experience. We are excited for more knowledge and more tasks if they would like to gave us. But overall, we are doing in database and website tasks. and we expecting to deliver it in the right due to time.