## **4.0 Evaluation of 200 & 300 Courses**

## **4.1 BCIS201 – Alternative Modelling**

**Good**

* The contents and the theory behind this course is sufficient for me to understand the basic lesson about methodologies and how to implement them in software development. Having taught the basics of scrum, it helped me to pick up the fast phased development that we did in our internship project. Theory wise, the contents of this course is satisfactory.

**Recommendations**

* During lectures, there is a minimal interaction between the tutor and the students. Perhaps the reason behind this is that the way the tutor relay the lessons is not stimulating the audience/students.
* The basic principle and idea of visualising the flow of work should also be taught to students, this method or system is called Kanban. It is a method that maximizes a team’s ability to consistently deliver high quality software by visualising workflow and limiting the work in process.

## **4.2 BCPR203 – Database Management Systems**

**Good**

* Having 2 tutor (Amit & Reese) helped a lot to accommodate a large number of students during the lectures. The two were able to support the students successfully.
* This course taught me how to deal with databases and all the lessons taught here was useful all throughout my study of BICT, from creating and connecting databases to querying the data within database. This fundamental knowledge on how to query data helped me in my internship project when I have to deal with data from a database.

**Recommendations**

* Perhaps a lesson that can be included in this course is on how to access databases using different programming language or teaching students what SQL Hosting is so that future students will know how to enable their websites to store and retrieve data from a database by allowing the web server to access a database-system that uses the SQL language.

## **4.3 BCIT242 – Website Development**

**Good**

* The hands on lesson on this course is the good thing that I can remember in this course. Having assessments that will let you create and design your own website, this gave us, the student, the chance to be creative and imaginative with our designs.
* The main lesson that is taught in this course is creating a responsive website using HTML and CSS, this basic lesson helped me to create the fundamental user interface that our app, System Status Monitor, uses.

**Recommendations**

* I remember that this class is packed with student with only one tutor without an aid so when the tutor is teaching us a lesson, it is hard for some student to hear what the tutor is saying especially the ones from the opposite side where the tutor is speaking or from the back side of the class room. Contents wise, the course is packed with good lessons and I am satisfied with it.
* Another recommendation is to add another lesson to the course syllabus and this lesson should be about Bootstrap. Bootstrap is a free front-end framework for faster and easier web development, it includes HTML and CSS based design templates. In our internship project, the team uses bootstrap for designing the application, it was a bit hard at the start because we did not know anything about bootstrap then, but we were able to learn it quickly, bootstrap is an amazing framework and it should be taught early on.

## **4.4 BCPR280 – Software Engineering 2**

**Good**

* Knowing that our intern project is using AngularJS, this course helped me to understand the said language pretty quickly by remembering the basic syntax of JavaScript; how to write functions, how to connect it to HTML etc.
* Having Dave and Lou Feng at the same time in this course has been really helpful for the students who is struggling to understand the language. This course is packed with good contents and I am satisfied with it.

**Recommendations**

* Knowing that the Software Engineering courses has been changed this year I recommend that at some point of this course they will branch out and teach the other type of JavaScript like AngularJS because it is better for the students to know more rather than learning an unfamiliar language when you’re doing the

## **4.5 BCIS202 – Systems Design & Implementation**

**Good**

* This course taught me how to understand the systems design process, design a project implementation and to conduct a post implementation evaluation review. This helped me a lot before the actual project development started and during the planning phase. This course also helped me understand the essential elements in successful project management and how to use a project planning methodology.

**Recommendations**

* During lectures, there is a minimal interaction between the tutor and the students. Perhaps the reason behind this is that the way the tutor relay the lessons is not stimulating the audience/students.

## **4.6 BCPR294 – Server Side Web Programming**

**Good**

* This course taught me how to create a self-hosted web client using WAMP and PHP as the scripting language that is embedded into HTML. This course taught me how to access database using PHP and displaying its contents in the website. This core knowledge Is a bit similar to our internship project but we used the language of C#.

**Recommendations**

* I would recommend to include in the course syllabus the lessons about PHP, XML, AJAX, and MySQL. In our internship project, we used XML files and to store data that is needed to run our application, at first it was hard for me to understand what XML files but having these kind of lesson in this course will help the student to be much prepared to face future projects.

## **4.7 BCPR282 – Programming in Java**

**Good**

* This course taught me how to successfully create a program from scratch while following an appropriate software development life cycle, from designing it on a paper to coding it and actually seeing the result of your plans on the screen. It also taught me how to create an android app which is awesome.
* Another relevant lesson that I learned from this course is the use of MVC model in software development and the use of interfaces. Interface is a reference type in Java that is similar to class. It is a collection of abstract method. By following the idea of this lesson, the team successfully applied interfaces in our project.

**Recommendations**

* One thing that I can recommend for the improvement of this course is to include advanced java lessons like network programming which is the writing programs that execute across multiple devices, in which the devices are all connected to each other using a network. Knowing that creating an android application is already being taught, adding the said lesson to the course syllabus will complement the lesson in creating android application.

## **4.8 BCIS301 – Management of ICT**

**Good**

* This course helped in many ways because it taught me a lot like how to create project proposals, how to analyse, prioritise, and mitigate risks, and deeply understand the design and how the software methodologies works. The approach of each lesson is very professional which prepared me for my internship. Overall, I am very satisfied with the way this course is being taught and I have no recommendations for improvement.

## **4.9 BCIS285 – Software Application & IS Testing**

**Good**

* This course helped me acquire the knowledge of testing procedures used throughout the software development life cycle and understand test planning, management, and documentation. But unfortunately, these knowledge was not really applied in my internship project and we failed to create an ample testing for the application that we created.
* It also helped me to identify the scope, approach, resource, test items, and features to be tested. Theory wise, the tutors has been able to teach the fundamental knowledge of testing and they are able to convey the principles of testing successfully.

**Recommendations**

* One thing that I can recommend for the improvement of this course is to have a hands on lab lesson where everyone will be on a computer examining a given program where the students will test the program and find defects or create a test plan for it.

## **4.10 BCPR283 – Programming in .Net**

**Good**

* The good thing about this course is approach of each lesson; having examples and working with them and also how the tutor teaches the class the step-by-step process of each lesson that the class follows by looking at the projected screen on the wall.
* The structure of the assessments from giving us a fairly easy one and building up the difficulty makes the course manageable that gives the students a learning curve.
* The contents of this course definitely helped me in my internship project, from the very basics of C# to the advanced lessons that our tutor taught us like Flow Controls, Nested-loops, Arrays, Dictionaries, Methods, classes, Etc.

**Recommendations**

* Knowing that the time of each semester is limited, some of the contents of my internship project was not taught in this class. These lessons will be nice to have in the following semesters:
  + Setting up web client in C#.
  + HTTP Post and Get request.
  + Connecting C# and SQL Databases.
  + Design Patterns like Factory pattern, Singleton, Etc.

## **4.11 BCPR301 – Advanced Programming**

**Good**

* The good thing that I observed in this course is the professional approach and how the tutor runs it. The scrum meeting or daily stand-up really prepared me for my internship knowing that the company that I worked with uses scrum. It also taught me the fundamental knowledge about design patterns.
* Being clear on how to do the assessments and the way the tutor compromise schedule to fit the schedule of the whole class is remarkable. I am very satisfied with this course and I don’t have any improvements to suggest.

**Recommendations**

* One thing that I can recommend for the improvement of this course is to include lessons about how to access SQL Databases by using python. Databases are widely used nowadays in almost every IT system in every company, so in my opinion, having this included will be beneficial.