Department of Computer Science, ASE, Amritapuri

15CSE313 – Software Engineering (S6 – CSE, 2016 Batch)

Sprint 1 – Self Evaluation Sheet for Team

Group No and Batch	**CSE A**
Product Name	**Student Management System**
Product Owner	**Mr. Sumesh K J**

Team Members

Roll number	Name	Contribution (%)
AM.EN.U4CSE16002 *	Abhilash G	25
AM.EN.U4CSE160	Raghvendra Rao	25
AM.EN.U4CSE160	Saastha Vasan	25
AM.EN.U4CSE160	Sidhant Gupta	25

Brief Summary of Project (*max 300 words*)

Student Management System (SMS) aims to assist administrators, students, and faculty of a university in various activities related to their role. The Student Management System is established by the institution and its main aim is to manage student data. The software that we propose to build will provide limited features. Our student management system enables students to register in the portal and to view semester wise marks and attendance of all the subjects. Students are required to log in to their personal portal using their assigned username and password. The administrator sets

the assigned username and password for every student. Upon successfully logging in students are required to select the semester. After selecting the semester they are provided with a list of all the subjects that they have chosen an option to view announcements and their dues, students can then click on any specific subject and view their attendance and marks they got in periodical 1, periodical 2, internal and end-semester exams.

Our Student Management system also allows faculty login, Faculties can log into their portal by entering their assigned username and password, Faculties can then edit the information of the students like their attendance, periodical 1, periodical 2, internal and end-semester marks for their subject.

We wrote our software using JavaFX which is a software platform for creating and delivering desktop applications, as well as rich Internet applications that can run across a wide variety of devices. We use the MVC (Model View Control) architecture.

Model section is used to handle all the backend data, which in our case are the student records, in the View section visualization code is entered, this is the section where JavaFX is used and is responsible for the overall appearance of the software. Inside the control section, we have written the code which will handle the transition of pages based on user interaction.

Work Carried out During Sprint 1

- Created mockups
- Set up the development environment (We decided to use Netbeans IDE 10.0)
- We decided to work with JavaFX 12 with Gluon SceneBuilder addon.
- Also, we added the necessary libraries like the Apache Commons and JUnit 4.
- Necessary POJOs were created and added.
- Basic UI of the software was built.

Product Backlogs

- UI for most of the Java project still needs to be completed.
- Refactoring the code to follow MVC design architecture.

Issues faced

- We faced several issues while setting up the development environment as JavaFX is still not completely compatible with NetBeans IDE 10.0
- Designing aesthetically pleasing UI with SceneBuilder was a challenge.

Velocity

Velocity	Slow	Normal	Fast

Date: 30th April 2019

Signature of Scrum master