**BURNDOWN CHART:**

The Burndown chart was used to track the progress of the project that is now in full swing.

This chart represents the progress for the Beta Release of this project and the analysis will also help in managing the progress of the Final Release.

In this chart, on the X-Axis are the Number of Days that were allocated to all the User Stories that were planned in Beta, which was 42. And on the Y-Axis are typically the User Stories (or the work that had to be done) to get to the completion of Beta Release.

The User Stories that were to be completed (includes fixing the bugs from Alpha) and the days allocated in Beta are shown in the table below:

|  |  |  |
| --- | --- | --- |
| **Beta User Stories** | **Days Allocated** | **Status** |
| Bug Fixing (Includes Registration, Login, Header, Footer) | 15 | Completed |
| Moodle | 15 | Completed |
| Contact Us | 2 | Completed |
| About Us/Why us | 5 | Completed |
| Database Modification | 5 | Completed |

All the alterations that were made to Beta were successfully met, but new user stories were added to the Final release (admin pages) along with collaboration of the backend with the database created for Moodle.

As a result of migrating to moodle, and adding the admin pages to the project, accompanied to changes requested by the client, the completion to Beta release took longer than expected.

This lag is represented by the blue line (Actual) in the Burndown Chart.

For the Final Release, it is planned to keep the blue line (Actual) under the orange line (Estimated) and get back on track with the project!

**VELOCITY CHART:**

The Velocity Chart was a means by which the teams’ velocity or pace during the Beta Release was measured in order to track progress.

Beta Release took six weeks for completion and is represented on the X-Axis. The achievement of work is shown on the Y-Axis. The pace of the team is found to be constant during the first four weeks, as it was planned that the team members would work an average of 2.5 days in a week and about 5 hours a day. But during the last two weeks the pace increases in order to meet the client testing deadline.

In Beta, there were 3 User Stories, Migration to Moodle and Bug Fixing from Alpha, to be Completed over a total time span of 42 days. But, only tasks that were to be completed within 37 days could be delivered promptly.

The Formula for calculating the velocity of the team is:

**x 100**

Therefore the velocity of this team is (37/42)\*100 = **88.095%**

The Velocity rate achieved is visually very ambitious, but the fact of the matter is that, the major part of the project development has been pushed to the Final release and it could be a challenge to achieve a similar velocity rate.