APPENDIX XI: Product and Sprint Backlogs

Agile Software Engineering: -Product Backlog

r		I want to be able to...	so that...	Notes	Acceptance tests	Priority	Complexity	Status	Return on Investment	
1	System manager	log in using my staff Id and password			- User Must Login - User Must use correct Login credentials - User Must be loged in as a system manager	7	5	Completed	1.4	
2	System manager	upload student data from file		- the csv file should have it data arranged in colums appropriately	- Cannot upload an empty file - Must be a .csv .pdf file - Must complete the form wihout an empty field	10	3	Completed	3.333333333	
3	System manager	input student data			- Must cmplete all fields on the form - Cannot submit existing student records	6	3	Uncompleted	2	
4	System manager	view student record that		could search the list	-user can view student records	10	5	Completed	2	
5	System manager	edit student record I have input/import			- user can edit student records from list of students	7	2	Completed	3.5	
6	System manager	upload courses from file			- Cannot upload an empty file - Must be a .csv .pdf file - Must complete the form wihout an empty field	4	2	Completed	2	
7	System manager	input courses data			- Must cmplete all fields on the form - Cannot submit existing course	7	2	Completed	3.5	
8	System manager	view courses I		could search the list	-user can view courses	2	1	Completed	2	
9	System manager	edit courses I input/import			- Must cmplete all fields on the form - Cannot submit existing student records	2	3	Completed	0.666666667	
10	System manager	create departments			- Must cmplete all fields on the form - Cannot submit existing student records	9	3	Completed	3	
11	System manager	create programmes			- Must cmplete all fields on the form - Cannot submit existing student records	3	2	Completed	1.5	
12	System manager	create schools			- Must cmplete all fields on the form - Cannot submit existing student records	6	2	Completed	3	
13	System manager	create colleges			- Must cmplete all fields on the form - Cannot submit existing student records	3	8	Completed	0.375	
15	System manager	edit departmnets I have			- User can review exams	7	2	Completed	3.5	
16	System manager	edit programmes I have created			- User can add comments as a seperate file	8	8	Completed	1	
17	System manager	create backups		can be in .sql format	- User can create backups of all record	3	3	Completed	1	

	Role	Action			Acceptance Criteria			Status		
17	System manager	create users / staff	they have accounts/profiles		- User can import backups	3	3	Completed	1	
				user account will be created and pass						
17	System manager	Edit user account	they can be denied access	can reset user login details	- User can edit user login details	3	3	Completed	1	
49	System manager	oversee all accounts		Some accounts could be stdents accounts.	- Admin must see a table with all account information	9	2	Completed	4.5	
19	Exam officer	log in using my staff Id and password			- User Must Login - User Must use their Login credentials - User Must be loged in as an exam officer	7	5	Completed	1.4	
20	Exam officer	import exam scores		Could be uploaded course by course	- Cannot upload an empty file - Must be a .csv file - Must complete the form wihout an empty field	5	2	Completed	2.5	
	Exam officer	input exam scores			- Cannot upload an empty file - Must complete the form wihout an empty field	5	2	Completed	2.5	
	Exam officer									
21	Exam officer	view result broadsheet in academic board format			- User must be logged in as an Exam Officer - User can view, print download the files	2	2	Completed	1	
	Exam officer	view result broadsheet in notice board format						Completed		
	Exam officer	consider student score		could be based on an agrreed score	-score must be the aggreed score	3	3	Completed	1	
	Exam officer	allocate courses to staff		could show list of allocation	- no field can be submitted empty -	3	2	Completed	1.5	
	Exam officer	reset allocation			- must reset staff allocated	3	2	Completed	1.5	
	Exam & records	view result analysis		could specify a department/course	-user can view result analysis	4	3	Completed	1.333333333	
	Exam officer	delete exam scores				2	2	Completed	1	
	Exam officer	change my login details			- must be logged in - must comfirmation password -not empty fields cann be submitted	3	2	Completed	1.5	
23	Student	log in using my matric numberpassword			- User Must Login - User Must use correct Login credentials - User Must be loged in as a Student	7	5	Completed	1.4	
24	Student	view all semeter results			-user can view all semester results	2	2	Completed	1	
25	Student	view specific semester result			-user can view a specific semester result	2	2	Completed	1	
26	Student	change my login details			- must be logged in - must comfirmation password -not empty fields cann be submitted	3	2	Completed	1.5	
32										

#	Role	Story		Notes	Acceptance Criteria			Status	Value	
33	Teaching Staff	login with my staff Id and password			- must use the credentials given for guest accounts - must be a User, thats assigned to the system (no unauthorised access)	7	5	Completed	1.4	
34	Teaching Staff	upload exam scores			- Cannot upload an empty file - Can only upolad scores for courses allocated - Must be a .csv .pdf file - Must complete the form wihout an empty field	3	2	Completed	1.5	
35	Teaching Staff	view the scores I uploaded			- user can view only scores uploaded	7	2	Completed	3.5	
36	Teaching Staff	change my login details			- must be logged in - must comfirmation password -not empty fields cann be submitted	8	8	Completed	1	
41										
42	Exam & records	login with my staff Id and password			- Must us the credentials given for guest accounts - Must be a user, thats assigned to the system (no unauthorised access)	7	5	Completed	1.4	
43	Exam & records	view list of student		could specify a department, could search the list	-user can view student records	4	4	Completed	1	
	Exam & records	view list of courses		could specify a department, could search the list	-user can view list of courses	5	3	Completed	1.666666667	
	Exam & records	view academic board results		could specify a department	-user can view broad sheets result in academic board format	5	3	Completed	1.666666667	
	Exam & records	view result analysis		could specify a department/course	-user can view result analysis	4	3	Completed	1.333333333	
44	Exam & records	change my login details			- must be logged in - must comfirmation password -not empty fields cann be submitted	7	3	Completed	2.333333333	
57	Developer	Support excell .csv			- Only allows .CSV file - Warnings must use allowed formats	4	3	Completed	1.333333333	
58	Developer	Test for browser compatibility			- Test common browsers	3	8	Completed	0.375	
59	Developer	Work on all browsers			- Website must work on all browser difference - Website must run on newest versions	3	1	Completed	3	
60	Developer	keep previous exams records			- Must store previous exam scores - no score Must be deleted - Previous result Must be accessible to Exam officer and exams and record	3	3	Completed	1	

Agile Software Engineering - Sprint Backlogs - Sprint 1 - 5

User Story	Estimated Complexity	Done?	Tasks	Estimated Effort	Mon	Tue	Wed	Thu	Fri
Sprint 1									
1. Spike .csv file format upload to MYSQL	4	Y	Spike	2	0	2	1	0	1
2. As System manager, upload student records	1	Y	Create HTML upload form	1	0	1	0	0	1
	2	Y	Upload student record into database from file	6	0	2	0	3	1
	5	Y	Set up database structure						0
3. As System manager, upload courses	2	Y	Create HTML upload form	3	0	0	1	4	1
	2	Y	Upload courses into database from file						0
4. As System manager, create users	2	Y	Create form to add accounts, implement the add function	5	0	2	2	1	1
5. As system manager, create programmes	1	Y	Create HTML forms	5	0	2	3	3	1
	3	Y	Add programmes to database						0
	1	Y	Add department to database	1	0	1	1	0	1
	1	Y	Add school to database	4	0	2	2	1	0
	1	Y	Add colleges to database						1
				3	0	0	3	1	0
6. As exam officer upload exams score	1	Y	Create HTML form						0
	4	Y	Upload scores into database	1	0	1	0	0	1
		Y		1	0	1	0	0	1

User Story	#	Y/N	Task						
7. As a teaching staff, upload exam score	1	Y	Create HTML upload form	1	0	1	0	0	1
	2	Y	Upload scores into database						1
	3	Y	Display the Scores uploaded	6	0	3	2	1	1
Sprint 2									
1. create login for all user type	1	Y	Create form	3	0	2	0	0	2
	3	Y	Connect to database to check	3	0	2	3	0	0
	1	Y	Set session	3	0	2	0	0	1
	3	Y	Hash user password	3	0	3	0	0	0
	1	Y	Verify user hashed password	3	0	2	0	0	0
				3	0	2	0	0	2
2. Spike Bcrypt password hash and verify	4	Y	spike	3	0	0	0	0	0
3. As system manager, input student record	1	Y	Create HTML form	1	0	0	0	0	1
	1	Y	Add records to database	6	0	2	3	6	0
5. As exam officer, view broadsheet	1	Y	Create HTML Table	1	0	2	1	0	1
	7	Y	Map score to grade	5	0	2	3	3	1
	6	Y	Map score to point	1	0	1	0	0	0
	4	Y	Generate GPA, CGPA	6	0	2	3	3	1
	5	Y	Create remarks	5	0	2	3	3	1
	8	Y	Implement Academic broadsheet result	5	0	3	1	1	0
6. As system manager, create backup	4	Y	Create backup	5	0	2	3	3	1
	4	Y	Import backup	1	0	1	1	0	1
7. As Student, view my semester result	1	Y	Create html formatted page	3	0	0			0

Story	Pts	Y/N	Task						
	4	Y	View student semester result	5	0	2	3	3	1
Sprint 3									
1. Allocate course	2	Y	View all department courses	1	0	1	1	0	0
	3	Y	Choose and allocate course to staff	4	0	2	2	1	1
2. Spike web visualisation API	8	Y	spike	3	0	0	3	1	0
3. As exams & record, View result analysis	2	Y	Create table	1	0	3	3	3	1
	4	Y	View analysis by grade in table result	1	0	2	3	3	1
	4	Y	View analysis summary in table	1	0	1	0	0	1
	6	Y	View visualise analysis	1	0	1	0	0	0
	8	N	Visualise analysis comparing semesters	1	0	1	0	0	1
4. As System manager, control user menu	3	Y	View all user menu	4	0	3	2	1	1
	3	Y	Disable and enable user menu	3	0	2	0	0	2
5. Form validation	4	Y	Validate user input, strip unwanted xters.	3	0	2	0	0	1
6. Upload CSV format	4	Y	Ensure file format is .csv	3	0	2	3	0	1
				3	0	2	0	0	1
7. User logs	5	Y	Create user logs for input, edit, and logins	3	0	3	0	0	1
Sprint 4									
1. Single course analysis	4	Y	Visualise analysis of single course						1
2. As System manager, view student	1	Y	Make a page with a table						0
	2	Y	View student records	2	0	0	0	0	1

3. As System manager, view courses	1	Y	Make a page with a table						0
	2	Y	View courses	2	0	2	1	0	1
4. As system manager, modify user access	2	Y	View user	1	0	1	0	0	1
	3	Y	Modify user account	3	0	2	3	3	0
5. As system manager, modify programme	2	Y	View programmes	5	0	3	1	1	0
6. As system manager, generate file format	3	Y	Course upload .csv file format						0
	2	Y	Student upload .csv file format	1	0	1	1	0	1
	1	Y	Ensure the require data is uploaded	5	0	2	2	1	1
Sprint 5									
1. As Exam officer, generate file format	2	Y	Score upload .csv file format						
2. Change all user login detail	1	Y	Compare old user detail to new	1	0	1	1	0	0
3. As System manager, view all user	1	Y	Make a page with table	3	0	0	3	1	1
4. Create user views	4	Y	Create user views with different menus	1	0	3	3	3	0
5. Logout	2	Y	Live page and destroy all sessions	1	0	1	0	0	0
6. Export files to word	4	Y	Implement result export to word	1	0	1	0	0	0
7. Export file to PDF	4	N	Implement result export to PDF	1	0	1	0	0	0
	6	N	Compare Visual Analysis Yearly	1	0	1	0	0	0

				Not started	In progress	Completed		
Estimated velocity	164	**Effort remaining**	164	0	94	71	54	45