Table C16 Time Recording Log

Student	Pranesh Kumar	Date	25-04-2023
Instructor	Gayathri K S	Program #	1

Date	Start	Stop	Interruption Time	Delta Time	Phase	Comments
25-04-2023	10:35	11:08		34 mins	Planning	
	11:10	11:35		25 mins	Design	
	11:45	12:30		45 mins	Coding	
	05:05	06:10		65 mins	Coding	
	06:10	06:55		45 mins	Testing	

Defect Types	
10 Documentation	60 Checking
20 Syntax	70 Data
30 Build, Package	80 Function
40 Assignment	90 System
50 Interface	100 Environment

Table C18 Defect Recording Log

Student Pranesh Kumar Date 25-04-2023

Instructor Gayathri K S Program # 2

Date	Number	Type	Inject	Remove	Fix Time	Fix Defect
25-04-2023	1	60	Planning	Planning	10 mins	

Description: Did not include the process for checking if each line belongs to multi line comments and blank lines

Date	Number	Type	Inject	Remove	Fix Time	Fix Defect
25-04-2023	2	60	Design	Design	7 mins	

Description: Did not include the process for checking if each line belongs to multi line comments and blank lines

Date	Number	Type	Inject	Remove	Fix Time	Fix Defect
25-04-2023	3	20	Coding	Coding	25 mins	

Description: Did not use proper data structures for organizing each detail of code, added dictionary for easy modification and restructuring

Date	Number	Type	Inject	Remove	Fix Time	Fix Defect
25-04-2023	4	100	Coding	Coding	10 mins	

Description: Did not open file in proper mode, resulted in permission and write error

Date	Number	Type	Inject	Remove	Fix Time	Fix Defect

Description:

Date	Number	Type	Inject	Remove	Fix Time	Fix Defect

Description:

Date	Number	Type	Inject	Remove	Fix Time	Fix Defect

Description:

Date	Number	Type	Inject	Remove	Fix Time	Fix Defect

Description:

Table C25 PSP0.1 Project Plan Summary

Student	Pranesh Kumar	Date	25-04-2023
Program	Program that prints the LOC of a source code	Program #	2
Instructor	Gayathri K S	Language	Python

Program Size (LOC)	***Plan***	***Actual***	***To Date***
Base(B)		***242*** *(Measured)*	
Deleted (D)		***46*** *(Counted)*	
Modified (M)		***120*** *(Counted)*	
Added (A)		***138*** *(T-B+D-R)*	
Reused (R)		***23*** *(Counted)*	***23***
Total New & Changed (N)	***250***	***258*** *(A+M)*	***258***
Total LOC (T)		***357*** *(Measured)*	***357***
Total New Reused			

Time in Phase (min.)	***Plan***	**Actual**	**To Date**	**To Date %**
Planning	30	34	49	14.6%
Design	45	25	47	13.9%
Code	90	110	177	52.7%
Compile				
Test	40	45	63	18.8%
Postmortem				
Total	205	214	336	100%

Defects Injected	**Actual**	**To Date**	**To Date %**
Planning	10	10	14.93%
Design	7	22	32.84%
Code	35	35	52.23%
Compile			
Test			
Total Development	52	67	100%

Defects Removed	**Actual**	**To Date**	**To Date %**
Planning			
Design			
Code			
Compile			
Test			
Total Development			
After Development			

Table C27 Process Improvement Proposal (PIP)

Student	Pranesh Kumar	Date	25-04-2023
Instructor	Gayathri K S	Program #	2
Process		Elements	

PIP Number	Problem Description:
1	Program cannot work properly for large sized code
2	Classes and methods are not identified properly
3	Runtime is considerably high
4	Memory is consumed a bit high

PROPOSAL

PIP #	Proposal Description
1	Better optimization algorithms can be implemented
2	Usage of re module with the help of regular expressions can help better
3	Number of iterations are to be reduced still further.
4	Breaking down the source code into smaller parts and working will help

Notes and Comments:

	Usage of re module and knowledge of regular expressions is required for complex programs like above.
	Regular expression matching can be learnt.