BHARATIYA VIDYA BHAVAN'S
SARDAR PATEL INSTITUTE OF TECHNOLOGY
MUNSHI NAGAR, ANDHERI (WEST), MUMBAI – 400 058.
(Autonomous College Affiliated to University of Mumbai)
MASTER OF COMPUTER APPLICATIONS

Class: F.Y.MCA **Semester: I AY 2024-25** **Subject: Software Engineering Lab**

Subject In charge: Nikhita Mangaonkar **Course Code: MC503**

ROLL NO. : 2024510001 **BATCH: A**

NAME: Atharva Vasant Angre

EXPERIMENT NO: 09

EXPERIMENT TITLE: To understand McCall's Quality Factors

Objective:

1.To understand McCall's Quality Factors w.r.t given Case study
2. To evaluate system as per the quality factors

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					User Excellent(5)	Verygood(4)	Good(3)	Average(2)	Poor(1)
		Factors	Criteria						
1	Product Revision								
1.1	Maintainability	Extent to which a program satisfies its specifications and fulfills the user's mission objectives		This factor considers the efforts that will be needed by users and maintenance personnel to identify the reasons for software failures, to correct the failures, and to verify the success of the corrections.		4			
1.2	Flexibility	The effort required to modify an operational program		such as changes and additions to the software in order to improve its service and to adapt it to changes in the firm's technical or commercial environment.		4			
1.3	Testability	The effort required to test a program to ensure that it performs its intended function		it includes predefined intermediate results, log files, and also the automatic diagnostics performed by the software system prior to starting the system, to find out whether all components of the system are in working order and to obtain a report about the detected faults.			3		
2	Product Transitio								
2.1	Reusuability	The extent to which a program can be reused in other application related to the packaging and scope of		This factor deals with the use of software modules originally designed for one project in a new software project currently being developed.			3		
2.2	Portability	The effort required to transfer the program from one hardware and/or software system environment to another		Portability requirements tend to the adaptation of a software system to other environments consisting of different hardware, different operating systems, and so forth. The software should be possible to continue using the same basic software in diverse situations.		4			
2.3	Interoperability	The effort required to couple one system to another		Interoperability requirements focus on creating interfaces with other software systems or with other equipment firmware			3		
3	Product Operatio								
3.1	Correctness	These requirements deal with the correctness of the output of the software		float value to decimal		4			
3.2	Reliability	Extent to which a program can be expected to perform its intended function with		failure rate			3		
3.3	Usability	The effort required to learn , operate , prepare input for and interpret output of a		staff resources needed to train a new employee and to operate the software system.		4			
3.4	Intergrity	The extent to which access to software or data by unauthorized person can be controlled		software system security, that is, to prevent access to unauthorized persons, also to distinguish between the group of people to be given read as well as write permit.			3		
3.5	Efficiency	The amount of computing resources and code required by a program to perform its		processing power,storage power,data communication		4			

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