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|  | **K. K. Wagh Polytechnic, Nashik.**  HirabaiHaridasVidyanagari, Amrutdham, Panchavati,Nashik-422003  **Department of Computer Technology** |

**Proposal for Micro-Project** Institute Code: 0078

Academic Year: 2022-23 Program: Computer Technology

Course: Software Engineering (SEN) Course Code: 22413 Scheme: I

Semester: 4 Class: SYCM-I Date of Proposal: 29/03/2023

**Title of Micro-Project: Study of Quality Evaluation Standards**

**Problem Definition:** The study of quality evaluation standards involves analyzing and assessing the criteria, guidelines, and procedures used to measure and ensure the quality of products, services, or processes. This study aims to identify and evaluate existing quality evaluation standards and their effectiveness, as well as to propose recommendations for improving and developing new standards to meet evolving needs and expectations.

1. **Aim/Objectives/ Benefits of the Micro-Project:**

The Aim/Objectives of the Micro-project is:

* To review and analyze existing quality evaluation standards in a particular industry or field.
* To identify the strengths and weaknesses of current quality evaluation standards and their impact on quality assurance and improvement.
* To assess the effectiveness of quality evaluation standards in meeting customer expectations and industry requirements.
* To propose recommendations for improving and developing new quality evaluation standards to address emerging challenges and opportunities.
* To evaluate the implementation and compliance of quality evaluation standards in organizations and industries.
* To explore the role of technology in enhancing the efficiency and accuracy of quality evaluation standards.
* To examine the ethical, social, and environmental implications of quality evaluation standards and their impact on sustainable development.

**2.0 Course Outcomes addressed (COs):**

CO.1: Estimate size and cost of software product.

CO.2: Use Software modelling to create data designs.

CO.3: Apply project management and quality assurance principles in software development.

1. **Proposed Methodology:**

1. Discussing on various topics and finalized one topic of study of quality evaluation standards.

2. Discussing with guide about micro-project content.

3. Distributing the work among team members.

4. Collecting the information about this micro-project.

5.Conducting a literature review to identify existing quality evaluation standards and their criteria.

6.Analyzing case studies of organizations that have implemented these standards to evaluate their effectiveness.

7.Interviewing experts in the field of quality evaluation to gather insights on the strengths and weaknesses of existing standards.

8.Developing a survey to gather feedback from stakeholders on their experiences with quality evaluation standards.

9.Analyzing the survey data to identify areas where improvements can be made to existing standards or where new standards are needed.

10.Developing recommendations for improving existing standards or developing new ones based on the findings of the study.

11. Preparing softcopy of micro-project.

12. Verifying the soft copy to guide.

13. Finalizing the contented of micro-project.

14. Printing the hard copy of micro-project.

15. Finally submitting the hard copy of our micro project

**4.0 Action Plan:**

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| **S. No.** | **Details of activity** | **Planned Start date** | **Planned Finish date** | **Name of Responsible**  **Team Members** |
|  | Searching & finalizing microproject topic. | 07/02/2023 | 14/02/2023 | All members |
|  | Collecting the relavant information about this micro-project. | 14/02/2023 | 28/02/2023 | All members |
|  | Understand the concept of study of quality evaluation standards | 28/02/2023 | 14/03/2023 | All members |
|  | Discuss with group members about microproject | 14/03/2023 | 28/03/2023 | All members |
|  | Preparing a micro project proposal | 28/03/2023 | 04/04/2023 | All members |
|  | Preparing a final brief report using MS word. | 04/04/2023 | 18/04/2023 | All members |
| 7 | Presentation & Viva of micro project | 18/04/2023 | 25/04/2023 | All members |

**5.0 Resources Required:**

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| **S. No.** | **Name of Resource/material** | **Specifications** | **Qty** | **Remarks** |
| 1 | Laptop | HP Elitebook 830 g3-Intel(R) Core(TM) i5, 8 GB installed RAM,SSD-256 GB, HDD-1TB | 01 | For project work |
| 2 | Operating System | Windows 11 Pro x64 bit | 01 | For project work |
| 3 | Other software | Microsoft Office Word | 01 | For documentation |
| 4 | Reference book: | * Software Testing and Quality Assurance * Quality Software Management | 02 | For studying SEN concepts |
| 5 | Websites | https://www.sei.cmu.edu/  https://standards.ieee.org/  https://www.sqe.com/ | 03 | For referring sample matrial & concept |

**Name of Team Members:**

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| --- | --- | --- | --- |
| Enrolment No. | Roll No. | Name of Students | Signature |
| 2100780077 | 06 | Baldota Kalash Sachin |  |
| 2100780081 | 10 | Bhalerao Mukunda Chandrashekhar |  |
| 2100780086 | 15 | Dhakane Aditya Arun |  |

Date: 28/03/2023 Evaluated by: Signature of Guide: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name of Guide: Ms. S.M.Derle