

Section 4

Ans 1

Software Quality Metric

Software metrics can be classified into 3 categories:

1. Product Metrics :- Describe the characteristic of the product

Such as sizes, design, complexity, features, performance and quality level.

2. Process -> These characteristic can be used to improve the development and maintenance activities of the software.

3. Project :-

This metrics describe the project characteristic and execution.

Examples include the number of software developers, the staffing -> software developers power the staffing pattern over the life cycle of the software, cost,

Schedule & productivity.

Some matrices belong to multiple categories

Code Quality:

Code quality defines code that is good (high quality) — and code that is bad (low quality).

This — quality, good, bad — is all subjective.

Different teams may use different definitions, based on context, code that is considered high quality may mean one thing for an automotive developer.

And it may mean another for a web application developer.

The code quality is important, as it impacts the overall software quality. And quality impacts how safe, secure, your codebase is.