# **ITRI 624 2022**

# **Questionnaire**

# Software Development within the Information Technology Environment of South African Industry

## Questionnaire Information

**Different questions require the keys to answer.**

1. YES – NO

1 = Yes

2 = No

1. LIKERT Questions

1 = Disagree

2 = Slightly disagree

3 = Slightly Agree

4 = Agree

1. Multiple choice mark with X Questions.

|  |  |
| --- | --- |
| Choice 1 |  |
| Choice 2 |  |
| Choice 3 |  |
| Choice 4 |  |

**List of abbreviations.**

IT – **I**nformation **T**echnology

PM – **P**roject **M**anagement

SDM – **S**oftware **D**evelopment **M**ethodology

COVID-19 – **CO**rona**VI**rus Dsease of 20**19**

## Section A – Basic company information

This section requires basic company information to understand the interviewee better.

1. Please enter the company name.

|  |
| --- |
| Entelect |

1. Choose the most appropriate Company size.

|  |  |  |
| --- | --- | --- |
| Employees | Size |  |
| 1 - 100 | Small |  |
| 101-500 | Medium |  |
| 501-1000 | Large |  |
| >1000 | Enterprise | x |

1. Personnel present at the meeting (mark with X)

Note: Please try to have multiple meetings with different personnel (one meeting per role.).

|  |  |  |
| --- | --- | --- |
| Strategic Level | |  |
| Middle Management Level: | Project Manager |  |
| Business Analyst (including Quality assurance and Configuration management) | x |
| Scrum Master |  |
| Development lead |  |
| Operational Level: | Developer | x |
| Other |  |  |
| Explain (Do they use their Scrum master as a Project Manager?): | | | |

## Section B – Company Stance on IT PM Methodology and SDM Methodologies

1. Is there a separation of function and duty between ITPM and the SDM methodologies? (Mark with X)

|  |  |
| --- | --- |
| Yes |  |
| No | x |
| Comment : | | |

1. Do you think duties should be separated between ITPM and SDM?

|  |  |
| --- | --- |
| Yes |  |
| No | x |
| Comment:  If a team uses certain methodologies, then the team can function on their own in the absence of management if they apply the methodologies. | | |

1. What Predominant SDM is your company using?

|  |  |
| --- | --- |
| Waterfall |  |
| Agile (Scrum) | x |
| Rapid (RAD) |  |
| Dev Ops |  |
| Extreme Programming |  |
| Prototyping |  |
| Other |  |
| Explain (if mixed, please elaborate):  Many of our customers have already existing products and change specifications and requirements throughout the project. So an agile approach works best | | |

1. What is your company using Project Management Methodology, Body of knowledge or framework?

|  |  |
| --- | --- |
| Waterfall |  |
| Agile | x |
| MPMM |  |
| PMBok |  |
| Prince 2 |  |
| Six Sigma |  |
| Other |  |
| Explain (if mixed, please elaborate):  Our Project manager and software development manager are closely related to keep consistent in our teams | | |

## Section C – Client and Product/Service Base

1. Can you provide some information about the organisations you serve? Specifically, their size and the contributions they make to your client base.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Type** | **Sizes** | | | | **Percentage**  **(must add to 100%)** |
|  | **Small** | **Medium** | **Large** | **Enterprise** |  |
| Automobiles/Transport |  |  |  |  | 0% |
| Financial |  |  |  | x | 30% |
| Pharmaceuticals |  |  |  |  | 0% |
| Basic Resources |  |  |  |  | 0% |
| Consumer Goods |  |  |  |  | 0% |
| Technology and Telecommunications |  |  |  | x | 10% |
| Education |  |  |  |  | 0% |
| Service delivery |  |  |  |  | 0% |
| Government |  |  |  |  | 0% |
| Other (Please specify below) |  |  |  | x | 10% |
| Comments:  Agriculture | | | | | |

1. During COVID-19, what percentage of your daily work was done remotely?

|  |
| --- |
| 95% |

1. After COVID-19, what percentage of your daily work is done remotely?

|  |
| --- |
| 15% |

1. What type of software does your company develop for clients?

|  |  |
| --- | --- |
| Proprietary software | x |
| Open Source |  |
| Commercial versions of open-source software (with additional features or support at cost) |  |
| Shareware, with payment option for full version |  |
| Freemium, with a payment option for the premium version |  |
| Cloud-based subscription software |  |
| Inhouse developed | x |
| Other (Please specify below) |  |
|  | |

1. The software my company develop or maintain for clients is well suited to deal with security threats due to working from home.

|  |  |
| --- | --- |
| Yes | x |
| No |  |
| Comment (determine what type of software tools are used and why this is deemed successful or not):  IntelliJ, Azure pipelines, bitbucket, git. | | |

## Section H – Other

1. Any other comments that the interviewee makes in regards to ITPM and SDM.

|  |
| --- |
|  |