**Practical 2**

**Software Testing and Quality Assurance**

2CSDE80

**Mistry Unnat**

20BCE515

**September 16, 2022**



Department of Computer Science and Engineering

Institute of Technology

Nirma University

Ahmedabad

**AIM :** To perform comparative analysis of software testing tools

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| **Test Criteria** | **TestComplete** | **cypress.io** | **Katalon Studio** | **Selenium** | **Appium** |
| **Application Support** | Web/Mobile/ Desktop | Web | Web/APl/ Mobile/  Desktop | Web | Mobile Android/  iOS |
| **Support Platform** | Windows | Windows/macOS/ Linux | Windows/macOS/ Linux | Windows/MacOS | Windows/  macOS |
| **Setup and Configuration** | Easy | Coding Required | Easy | Coding Required | Coding Required |
| **Scripting Mode** | Supported | Supported | Supported | Supported | Supported |
| **Pricing** | It has 4 pricing edition starting from $2,256 to $7,901 | Free version available.  Team edition : $75/month  Business :  $300/month | Free version available.  Paid version starting from $120/month. | Free | Free |
| **Supported Language** | Python, JavaScript, VBScript, JScript, Delphi, C++, C# | JavaScript | Java & Groovy | Java, C#, Python, JavaScript, Ruby, PHP, Perl | Java, C#, Python, JavaScript, Ruby, PHP, Perl |
| **Advanced Test reporting** | No | Yes | Yes | No | No |

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| **Test Criteria** | **Tricentis Tosca** | **Neoload** | **UFT** | **Watir** | **Ranorex** |
| **Application Support** | Web/Mobile/  Desktop | Web/Mobile/  Desktop | Web/Mobile/Desktop | Web | Web/Mobile/  Desktop |
| **Support Platform** | Windows | Windows/MacOS | Windows | Windows | Windows |
| **Setup and Configuration** | Easy | Easy | Coding Required | Easy | Easy |
| **Scripting Mode** | Supported | Supported | Supported | Supported | Supported |
| **Pricing** | Starts from $1000/user | Starts at $20,000 with 300 virtual users, billed annually | 1 Year : $4,500  3 Months : $2,900  6 Months : $1,500 | Free | Starts from $980 to $3,950 |
| **Supported Language** | JavaScript | JavaScript/JAVA | VBScript | Ruby | C#/VB.Net/Tron/Python |
| **Advanced Test reporting** | Yes | Yes | No | Yes | No |