**NIIT University Discussion Portal**

**Tools & Technologies**

Members:

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While designing the website for NIIT University we had to come across several software and tools that we had to use in order to make our project successful and also learn many new languages and technologies so as to make the website properly functional as per our client’s request.

Designing the Documents:

Use-Case, Sequence Diagram, State Diagram, Class Diagram made the use of

* Argo UML

Coding:

Editor(Atom, Notepad++):Version Control Editor from writing Codes in Html,CSS JS

IDE(Debug and Compile Code):

* Visual Studio(2008): For running and debugging the C# codes

Server and Database Design:

* Database: SQL server Management studio
* WAMP Server[Local host](For running the webpages)

Source Code Repository and version Control System:

* Github(Verson Control Software)
* Gitbash(Command Line Software to Create Repository and Version Control

Web Metrics(Calculate the LOC’s ,Complexity,Coupling )

* Visual Studio 2015 Code Metric Analyzer(Automatic)

Testing:

* Selenium IDE 2.9.1 (Also Selenium Extension for Mozilla Firefox)
* NUnit(Unit Testing Tool for C# and .Net)
* Visual Studio 2015
  + Selenium Web package,Web Driver
  + NUnit package for Visual Studio
* NUnit Asp: Automatically testing the Asp webpage

Project Management Tools:MS-Office(Excel,Word Powerpoint)

TECHNOLOGIES

Languages:

* HTML
* CSS
* JavaScript
* C#
* SQL

Frameworks

* .Net
* Node.js
* Bootstrap(framework for building with Html,CSS and JavaScript)

Libraries

* jQuery

Database

* SQL server

Protocols:

* HTTP(After the website goes live this protocol will request the server and gets reverted back with the HTML ,JS and CSS script of the website)