



**AceEngineer Internal**

**Web Report Format**

**Development Plan**

**4<sup>th</sup> July 2016**

# Introduction

- Web report should be such that
  - Display all text and tables
  - Display plots in interactive manner as much as possible
  - Display pictures/figures
  - Should have navigation bar on the left to easily navigate across the report with ease
- Should be device independent (as much as possible). Clients may use tablets, desktops or phones (Windows, apple or android)
- There may be templates already existing to develop the entire webpage with the design described in this section.  
Search/research online
- D3JS or Python or PHP may already contain something similar that we can fork from?

# General Layout

The screenshot shows the Python Wiki page titled "Beginner's Guide to Python". The browser's address bar is highlighted with a red box and labeled "URL". The page features a navigation pane on the left, also highlighted with a red box and labeled "Navigation Pane". The main content area is highlighted with a red box and labeled "Content containing the following: Headings, NVD3 Charts or other interactive charts, Pictures, Text".

**Navigation Pane:**

- FRONTPAGE >>
- RECENTCHANGES >>
- FINDPAGE >>
- HELPCONTENTS >>
- BEGINNERSGUIDE >>

**Page:**

- >> Immutable Page
- >> Info
- >> Attachments
- >> More Actions: ▼

**User:**

- >> Login

**Content:**

- » **BeginnersGuide**
- » BeginnersGuide
- Beginner's Guide to Python**
- New to programming? Python is free and easy to learn if you know where to start! This guide will help you to get started quickly.
- [Chinese Translation](#)
- New to Python?**
- Read [BeginnersGuide/Overview](#) for a short explanation of what Python is.
- Getting Python**
- Next, install the Python interpreter on your computer. This is the program that reads Python programs and carries out their instructions; you need it before you can do any Python programming. Mac OSX distributions from 10.3 (Panther) and up, include a version of Python, which, although it can be as much as two years out of date, may be suitable for beginning. Linux distributions also frequently include Python and it is readily upgraded. JetBrains has a software called Pycharm and you can download it for free. See [Pycharm download](#)
- There are currently two major versions of Python available: Python 2 and Python 3. The [Python2orPython3](#) page provides advice on how to decide which one will best suit your needs. At the time of writing (21 Jun 2010), the rest of this page assumes you've decided to use Python 2.
- See [BeginnersGuide/Download](#) for instructions for downloading the correct version of Python.
- At some stage, you'll want to edit and save your program code. Take a look at [HowToEditPythonCode](#) for some advice and recommendations.

# Navigation Pane

- Navigation pane should be
  - URL driven
  - Clickable
  - Should have scrolling independent from main content page

# Content

- Content Should
  - Headings : 3 levels (3, 3.1, 3.1.2)
  - Based on heading definitions, the navigation pane should be automatically created. No need to program this again
  - Should support interactive charts, figures, tables etc.
  - Ability to click to expand figures and click to again unexpand
  - Etc.

# Why Web Reports? – Current Process

- Analysis Process

Calculations  
10-15 files (5  
revisions)  
**Excel**  
**2-3 Engineers**

Engineering  
Software Files  
50-100 files  
(10 Revisions)  
**1-2 Engineers**

Result Files  
10-20 files  
(5 Revisions)  
**Excel**  
**2-3 Engineers**

## Reporting Process

Word  
1-3 files (5  
revisions)  
**Word**  
**2-3 Engineers**

PDF  
1-3 files (5  
revisions)  
**1-2 Engineers**

# Web Report Process - Vision

- Analysis Process

Calculations  
10-15 files (5  
revisions)  
**Excel**  
**2-3 Engineers**

Engineering  
Software Files  
50-100 files  
(10 Revisions)  
**1-2 Engineers**  
**.csv files**

Result Files  
10-20 files  
(5 Revisions)  
**Excel**  
**2-3 Engineers**

## Reporting Process

~~Word~~  
~~1-3 files (5~~  
~~revisions)~~  
**Word**  
**2-3 Engineers**

Web Report  
1-3 files (5  
revisions)  
**1-2 Engineers**

Standardization of processes  
Easy updates with programming/automation  
Enhanced features using web reports

# Presentation Title

01	New document	20 January 2016	V Achanta	-	-
Rev	Description	Date	Author	Checked	Approved
Document No: 0119-PRS-0001			Client Ref:		
			-		



# Chart Capabilities - Vision

- Ability to add notes to chart to show significant events
- Have the ability to make notes visible or invisible based on user interaction
- Google finance design of events on stock chart is a very good start (see notes on right and labels on chart)



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