**Web training - Syllabus**

1. Web basic concepts
   1. Internet
   2. WWW
   3. HTTP
   4. URL
   5. Website
   6. Web server
   7. DNS
2. Linux basic
   1. File system hierarchy
   2. Users and groups
   3. Basic commands
   4. Editors
   5. File permissions
3. Version control
   1. Git
   2. Github
   3. Bitbucket
4. HTML
   1. What is HTML?
   2. Tags
   3. Block and inline elements
   4. Attribute
   5. Styles
   6. HTML forms
   7. Iframe
5. CSS
   1. What is CSS?
   2. Selector, declaration, property and value
   3. ID and class selectors
   4. Insert CSS to html
   5. Advantages
6. JavaScript
   1. What is JavaScript?
   2. Syntax
   3. Data types
   4. Functions
   5. Events
   6. Math
   7. Date
   8. Conditional statements
   9. Loop
   10. JavaScript Break and Continue
   11. Error handling
   12. Form validation
   13. HTML Dom
   14. Ajax
7. ES6
8. TypeScript
9. Jquery
   1. JavaScript library
   2. Plugins
   3. Serve via CDN
   4. Syntax
   5. Selectors
   6. Events
   7. Callback function
   8. Content and attributes
   9. Ajax
10. Bootstrap
    1. Responsive design
    2. Why use Bootstrap?
    3. Bootstrap grid system
    4. Media queries
    5. Responsive images
    6. Forms
    7. Button
    8. Helper classes
11. Java basics
12. Python
    1. What is Python?
    2. Syntax
    3. Comments
    4. Data types
    5. Operators
    6. Control flow statements
    7. List comprehension
    8. Functions
    9. Classes
    10. Imports
    11. Error handling
    12. Documentation
    13. Tools
    14. Decorators
    15. Lambda functions
    16. Generators
13. SQL
    1. Structured Query Language
    2. What we can do with SQL?
    3. RDBMS
    4. SQL Statements
    5. SQL Join
14. Django
    1. Web framework
    2. MVC
    3. Why Django?
    4. Concepts/Best Practices
    5. Django Project Layout
    6. Django Apps
    7. Models
    8. ORM
    9. Function vs. Class Views
    10. Django Templates
    11. Urls.py
    12. Forms in Django
    13. Request & Response
    14. Django Extras
    15. Authentication
    16. Sending Email
15. Others
    1. IDE
    2. What are APIs?
       1. API
       2. Django rest framework
    3. Social authentication
       1. What is social auth
       2. django-allauth
    4. Project debugging
       1. PyCharm
    5. Server & Deployment
       1. Web server and Web server gateway interface
       2. AWS
    6. Version control tools
       1. Git
       2. Github
       3. Bitbucket
    7. Default details to take care in every website development
       1. SEO
       2. Robots.txt
       3. Sitemap.xml
       4. Admin customization
       5. Sentry/ admin email configuration
       6. Mail services
       7. 404 and 500 pages
       8. Object level permission
       9. Google Analytics
    8. Concept of agile development.
       1. Sprint
       2. Project life cycle
    9. What is continuous integration
       1. Version control
       2. Staging server
       3. UAT server
       4. Production server
       5. Jenkins
    10. Things to keep in mind when handling client calls
    11. Email etiquette