TR-104

July

23 July: HTML/CSS

- 1. Introduction html/css and rules and syntax
- 2. About Tags and code structure, Image tag, anchor tag
- 3. Class(span class) and id

CORE PYTHON

- 1. Introduction python and syntax
- 2. List and examples and operations
- 3. Range of indexes positive and negative
- 4. Sets and operations on sets using python Practice

24 July: HTML/CSS

- 4. Form validation, Form with fieldset and legend
- 5. Frames, frameset with rows and columns, IFrames(song and video play)
- 5. Overlapping

CORE PYTHON

- 6. Dictionaries(loop through it, nested, copy etc)
- 7. Tuples and operations on it
- 8. Get() function/ math function
- 9. Range() function
- 10. Continues and break function Practice

25 July: HTML/CSS

- 7. Pseudoelements
- 8. Ordered and unordered list
- 9. Letter spacing and word spacing and visibility

CORE PYTHON

- 10. Loops and its types
- 11. Oops(polymorphism, inheritance, encapsulation,data abstraction) Practice

26 July: HTML/CSS

10. Class and id

Give color to link's and four types-Visited, Hover, Active, Link

- 11. Display image and aligned it
- 12. Table designed and color it, Table border color

CORE PYTHON

- 13. Access specifiers
- 14. Gui (Tkinter), run tkinter for create

(labels,checkbox,frames,menu,scrollbar,top-level,spinbox,pannedwindow,canvas and arc)

Practice

27 July : Holiday 28 July : Holiday

29 July: HTML/CSS

- 13. Span tag
- 14. Text-shadow
- 15. Margin(left, right,top,bottom)
- 16. Box-sizing
- 17. Key- frame
- 18. Gradient(mixture of colors), Draw circle with gradient

CORE PYTHON

Practice

30 July: HTML/CSS

- 23. Cursor
- 24. Current color
- 25. Media query, Media query for desktop
- 26. Overflow(visible, Hidden, Scroll, Auto)

Practice

31 July: HTML/CSS

- 19. Transform and transition
- 20. Image reflection
- 21. Max- width
- 22. Box- border, outline border, border image

Practice

August

1. August: Introduction and simple code

Variable declaration(html,css)

Buttons using onclick

Practice

2 August : Pd clas

3 August : Off

4 August: Off

5 August: Arrays (find position, length)

Array functions(sorting, reverse, push, pop, shift, unshift,

delete, filtering(some, every, filter)

Practice

6 August: typeOf and Isarray

Multidimensional array and operations

Practice

7 August : Indexof, slice, splice, reduce

Array.map, Combine two arrays(concat)

Practice

8 August : for loop, for..in() loop, for..of() loop ,forEach() loop

Practice

9 August : Doubt Session

10 August : Off 11 August : Off

12 August: Loops and practicals using loops

Practice

13 August : Holiday 14 August: Practice

15 August :Independence Day

16 August: Pd class

17 August : Off

18 August : Off

19 August : Holiday (Raksha-Bandhan)

DJANGO

20 August: Introduction and installation

Folders structure Framework of django

21 August : Superuser administrator

Routing (url.py and add links

- 22 August: Render html page (create templates, settings.py, views.py, urls.py)
- 23 August : pd class and doubt session
- 24 August: Off
- 25 August: Off
- 26 August: Call Css and Js and in django

Call images in django

27 August : Methods in django (get amd post)

CSRF token in forms

28 August: Model and how to create it in django

Update, delete and add new records

29 August: Database and install dbsqlite

Send four values to databases (dbsqlite)

30 August : Doubt Session

31 August: Off

September

1 September : Off

2 September (Mon): Training guides(settings.py, views.py

(contact), models.py(request.post.get),

Forms values comes to views.py and store in Database (create views.py), create admin.py, app.py, urls.py

3 September (Tue): practice

4 September (Wed): Forms values comes to views.py and store in Database (create views.py)

5 September (Thu): Practice

6 September (Fri): Doubt Session

7 September (Sat): Off

8 September (Sun): Off

9 September (Mon): Fetch queries using django

10 September (Tue): Fetch queries using django

- 11 September (Wed): Practice
- 12 September (Thu): Practice
- 13 September (Fri): pd class Doubt Session
- 14 September (Sat): Off
- 15 September (Sun): Off

SQL

- 16 September (Mon): Introduction databases and sql
 - Installation of xamp

Localhost/phpMyAdmin

- 17 September (Tue): Basic queries (select, update, insert, delete)
- 18 September (Wed): Operations on databases like (delete 3rd record,

update records, print all records, print

particular record, add new record, insert record)

- 19 September (Thu): Queries:- Max, min, count, sum, avg
- 20 September (Fri): Doubt Session
- 21 September (Sat): Off
- 22 September (Sun): Off

- 23 September (Mon): Orders (Ascending and descending)
- 24 September (Tue): Groups by

Like command

- 25 September (Wed): Practice
- 26 September (Thu): Practice
- 27 September (Fri): Doubt Session
- 28 September (Sat): Off 29 September (Sun): Off

PYTHON LIBRARIES

- 30 September (Mon): Numpy python library, Installation of numpy Check version of numpy, Arrays using numpy (ndim method) Slicing of arrays
- 31 September (Tue): Data types in python libraries (string, integer, float, boolean, complex, time date, datetime, object, unicode, void)

 Find datatype of array using numpy

 Copy() and view() method in numpy

October

1 Oct: Shape() Concatenate() method (join 2d array along rows axis=1)

Stacking along rows using hstack() method,

stacking along columns using vstack() method, stacking along

height using dstack() method

- 2 Oct: Split array into 3 parts ,Searching of array elements using where() method:- (find indexes where values are even) ,Sorting using numpy
- 3 Oct: Filtering of array Randint(), Randomly generate integer no, rand() for other type no, If randomly generate no according to size or length of array, If randomly generate no according to rows amd columns
- 4 Oct:Pd class
- 5 Oct:Off
- 6 Oct: Off
- 7 Oct: Doubt Session
- 8 Oct: : Choice() method for random no, Shuffle() method:- varies position of no Shape() and size() method of array
- 9 Oct: Full() method:- create matrix, Char.multiply(), char.capitalize(), char.upper(), char.lower(), char.join(),

char.equal():- for comparing elements

10 Oct: Dot() method:- Multiplication of two matrix,

Transpose() method:- exchanging of matrix , Unique() method:-

for print unique valueRavel() method

11 Oct: Pd class 12 Oct:Off 13 Oct:off 14 Oct: Numpy statistical functions:-Amax(), Amin(), mean(), sum(), product(), peak to peak(), average(), percentile() 15 Oct: PANDAS LIBRARY, Introduction and check version Installation ,DataFrame() method, Dictionary of list Python pandas series, Read CSV files, Filter limited columns 16 Oct: Read Json files, Pandas data cleaning methods (like empty cells, wrong data, duplicate data) ,Dropna() method, Fillna(), replace only specified columns 17 Oct: Corr() method:- Finding relationship Plot() method :- Plotting using pandas and scatter() method 18 Oct: Pd class 19 Oct: Off 20 Oct:Off 21 Oct: MATPLOTLIB LIBRARY, Intro and installation Draw graph of x,y coor using matplotlib, Graph with multiple points Plotting without line, Default x points 22 Oct: Matplotlib markers using scatter, Customize marker colors, size, labels Marker edge color customize 23 Oct: Explode() method, Add shadow() method, Add legend() and legend with header 24 Oct: Create Histogram, Show random no in form of histogram Subplot() method, Create Barchart 25 Oct: Pd class 26 Oct: Off 27 Oct: Off 28 Oct: Color, width, height in barchart, Add grid lines to plot Show only x-axis/y-axis of grid lines, Change color, line style of grid 29 Oct:Practice 30 Oct:Practice 31 oct: Practice

November

1nov: Pd class

2nov: off 3 nov: off

4 nov: project using frontend technologies 5 nov: project using frontend technologies 6 nov: project using frontend technologies 7 nov: project using frontend technologies

8 nov: Pd class

9 nov: off 10 nov: off

11 nov: project using frontend technologies 12 nov: project using frontend technologies

13 nov: coversion using django 14 nov; coversion using django

15 nov: Doubt Session

16 nov: off 17 nov: off

18 nov: database connectivity of project 19 nov: database connectivity of project

20 nov : Holiday21 nov: Holiday24 nov: Final testing

28 nov: Pd class

29 nov: off 30 nov; Off

PROJECT WORK (FINAL 20 DAYS)

Documentation project report+ daily dairy +ppt+final report