Experiment No.10 Aim:- Implementation of Page Rank algorithm in python.

```python
import matplotlib.pyplot as plt
import networkx as nx
import pandas as pd
import scipy as scipy
G = nx.DiGraph()
[G.add_node(k) for k in ["A", "B", "C", "D", "E", "F", "G"]]
G.add_edges_from([('G','A'), ('A', 'G'), ('B', 'A'),
('C', 'A'), ('A', 'C'), ('A', 'D'),
('E', 'A'), ('F', 'A'), ('B', 'D'),
('D','F')]])
pos = nx.spiral_layout(G)
nx.draw(G, pos, with_labels = True, node_color="red")
pr1 = nx.pagerank(G)
print(pr1)
nx.draw(G, pos, nodelist=list(pr1.keys()), node_size=[round(v * 4000) for
v in pr1.values()],
with_labels = True, node_color="red")
```