## Assignment-7A

Data Time load (KW)

01.09.2018 0.00 5551.822

01.09.2018 1.00 4983-179

Since, the load has to predicted based on the same how load in the previous day, the dataset has to be modified.

Day-1(x) Day-2(x)

5551.82208

4931.26380

4983.17184

4775.53968

stept Read dataset, n=0.1, epochs=2, m=1, c=-1, V=0.9 Vm=0 & Vc=0

Steps - set iteration = 1

step3 - set sample i=1

step4! Y = (1) (5551.82208)-1= \$550.82208

step 5- DE = - (4931.26380 - 1 (5551.82208)+1) 3551.82208

VE = 3439677.338750

 $\frac{\partial E}{\partial c} = -(4931.26380 - 1(5551.82208) + 1)$ 

8E = 619.55828

```
2
Step6: Vm = 0.9(0) - (0.1) (34 39677. 33 8756)
        Vm = -343967.733875
        Vc = 0.9(0) - (0.1) (619,55828)
         Vc = -61.95583
  Step 7 = m = 1+ (-343967.733875) = -343966.733875
         C = -1 + (-61.95583) = -69.95583
  steps - sample i=i+1=2
  step 9: Y = (-343966.734) (4983.17184) + (-62.95583)
           Y = -1714 045405.72
   step 10: TE = - (4775.53968 - (-343966.734)(4983.17184)
                    -(-62,95583) (4983.17184)
          dE = - (4775.53968+1714045405.79) (4983.17184)
          DE = - 8541406595607.112
         = -1714050181.1961
   step11- Vm=0.9(-343967.734)-(0.1)(-8541466595607118)
           Vm = - 854146969131.67
         Vc = 0.9 (-61.95583) - (0.1) (-1714050181.961)
         VC = -171405073.88634
    step19: m = -343966.734 - 854140969131.67
             m = - 8 54141313098.4
              C = -62.95583
```

Scanned with CamScanner

Step15: - 8E = - (4931.26380+4.7420406014E15)
(5551.82208)

=-2.63269657156E19

8E = -4.74204060150E15

step16- Vm= (0.9) (-854146969131.67) - (0.1)

(-2.63269657156E19)

=2.6326958e18

Vc = (0.9) (-171405073.88634) -(0.1) (-4.74204060 150E15)

= 4.74203906E14

= 2.63269495E18

C = -62.95583 + 4.74203906E14= 4.74203906E14

step18; sample = i+1= 2

step(9! Y = (2.63269495E18)/4983.17184)+4.74203906E14 Y=1.31191718E22

```
(4)
```

stop28 
$$\frac{3E}{8m} = -(2.63268-2.63269495E18)(4923.17184)$$
 $-474903906E14)$ 
 $(4983.17184)$ 
 $= -(4783.67184)$ 
 $= -(4783.67184)$ 
 $= -653750875E25$ 
 $\frac{3E}{8C} = -(4775.53968-1.31191718E22)$ 
 $= -1.31191718E22$ 
 $= -1.31191718E22$ 
 $= -1.31191718E24$ 
 $V_C = (0.9)(2.6396958E18) - (0.1)(-6.53750875E25)$ 
 $= (0.9)(4.74263906E14) - (0.1)(-1.31191718E22)$ 
 $= (0.9)(4.74263906E14) - (0.1)(-1.31191718E22)$ 
 $= (0.9)(4.74263906E14) - (0.1)(-1.31191718E22)$ 
 $= (0.3119176182)$ 
 $= (0.3119176182)$ 
 $= (0.3119176182)$ 
 $= (0.311917808E2)$