Date:- 09 - JULY - 2020   Sindhu. S
Course:- MATLAB Onramp   AAL18ECO49
                                         4th Sem. A Sec

- Review problems:-
  - project - Electricity Usage.
  → Electricity data is stored in a file named electricity.mat. load that MAT. file into MATLAB.
  → load electricity
    usage
  → Usage(2,3) = 2.74
  → Usage(:,1) = res
  → Comm = usage(:,2)
    ind = usage(:,3)
  → yrs = (1991 : 2013)'
  → plot (yrs, res, "b--")
    hold on
    plot (yrs, Comm, "k:")
    plot (yrs, ind, "m-.")
    hold off
  → title ("July Electricity Usage")
    legend ("res", "Comm", "ind")

→ Audio frequency

- load (Cchord)
    n = numel(y)
    t = 0:n-1
- t = t/fs
    plot(t,y)
- yfft = abs(fft(y))
- f = 0:n-1;
- f = f * fs/n
    plot(f, yfft)
    xlim([0 1000])

- Import tool → Importing Data
    → d = elements. Density.
    → elements.Mass = elements. Density. * elements. Volume 1
    → elements = Sortrows (elements, "Mass")
- logical indexing :-
    → test = pi < 4
    → test = v1 < 4
    → v = v1(v1<4)
    → S = Sample (v1<4)
    → v1(v1<4) = 0

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Course :- CISCO   AAF18ECOA9

Chapter 1 :-

               Everything is Connected
     1. Digital Transformation
     2. Digitization Transforms Business
     3. The Evolution of digital transformation
          Lab - How connected are you ?
   • The impact of digital transformation
                    of Business

   • Sensors are every where generating
massive amounts of data.
   • Introduction to packet tracer
     → packet tracer and Cabling Devices
          Since packet tracer simulates
networks and networks traffic, the
physical aspects of these networks also
need to be simulated.
          • Networking is the foundation
     → Network types :-
          1. personal Area Network (PANL)
          2. Local area Networks
          3. Wide area Networks

4. Wireless Network
- packet tracer - creat a simple Network using packet tracer
- Imagien a New intelligent Sensors
- the Benefits of connecting those IoT Devices
- Advantages & Disadvantages of IoT Devices
- The growth of IoT Devices
- Explore a Smart home
- Adding IoT devices to a Smart home
- Accessing and Monitoring an IoT network