1. ML (2 hrs)
   1. Classification
      1. DS/ML/AI – ML?
      2. Uns, Sup, Rein
         1. Classification/ regressions
      3. ML Applications - 5 different inds points (forecasting, … etc)
   2. Data Pre-Processing
      1. Types of measurements (Continous, discreate, interval….)
      2. Types of variabls classification (ordinal/ cardinal/ nominal…)
         1. Examples temp? nom/card?. Counting ppl ?
      3. Concept of corellation
      4. EDA (Pie, chart, )
      5. Feature eng basics ()
      6. Feature selections ()

**Quiz 1**

* 1. Algorithms - concpts
  2. Hands on Scikit-learn – K-Means, KNN, SVM, ( DT, RM, XGB)

**Quiz 2**

1. AI ( 2 hrs)
   1. Evolution of AI Models (1 hr)
   2. Hands-on PyTorch - Image Classifier (1 hr)
2. DS Careers (30 Min)
3. Gen-AI Use Cases (30 Min)
4. Computer Vision in Industries (30Min )
5. Robotics / Mechatronics projects journey (30 Min)

**Final Quiz**