**BE VIII SEM, Assignment- 1**

**Subject: MACHINE LEARNING (PE 808 CS)**

**Date of Submission: 27-02-2020**

1. What is Machine Learning and explain the issues in Machine Learning. (C01)

2. What are the types of Learning? Explain in detail. (C01)

3. What is the goal of the support vector machine (SVM)? How to compute the

 margin. (CO 1)

4. What is the Decision tree & discuss the use of decision tree for classification

 purpose with an example. (CO2)

5. Explain the Find-S and candidate elimination algorithm with following example: (CO1)

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| **Example** | **Sky**  | **Air Temp** | **Humidity** | **Wind**  | **Water**  | **Forecast**  | **EnjoySport** |
| 1 | Sunny | Warm | Normal | Strong | Warm | Same | Yes |
| 2 | Sunny | Warm | High | Strong | Warm | Same | Yes |
| 3 | Rainy | Cold | High | Strong | Warm | Change | No |
| 4 | Sunny | Warm | High | Strong | Cool | Change | Yes |