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| Atria Institute of Technology  Department of Computer Science & Engineering  3 Days Academic Enrichment Program  on Machine Learning With Python | | | | | | | |
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| Faculty: Mrs. Farhana Kausar & Mr.Rajendra M | | | | | | | |
| **Day/Date** | **Time** | **CONTENT** | **Faculty** |  |  |  |  |
| **Day 1 21/1/19** | 9:00AM -10:15AM | Introduction to Python | **Mr. Rajendra M** |  |  |  |  |
| why Python |  |  |  |  |
| Installation of Ananconda |  |  |  |  |
| Variables,operators |  |  |  |  |
| Loops |  |  |  |  |
| 10:15AM-11:00AM | Tea Break |  |  |  |  |
| 11:00AM -12:30AM | String Manipulation**-Hands on** |  |  |  |  |
| Datatypes |  |  |  |  |
| Lists |  |  |  |  |
| Tuples |  |  |  |  |
| Dictionaries |  |  |  |  |
| 12:30PM -1:15PM | Lunch Break |  |  |  |  |
| 1:15PM-3:00PM | Functions |  |  |  |  |
| Lambda |  |  |  |  |
| Iterators**-Hands on** |  |  |  |  |
| Regular Expressions**-Hands on** |  |  |  |  |
| Class & objects |  |  |  |  |
| 3:00PM-3:15PM | Tea Break |  |  |  |  |
| 3:15PM-4:30PM | Exceptions |  |  |  |  |
| Numpy**- Hands on** |  |  |  |  |
| Pandas**-Hands on** |  |  |  |  |
| MatplotLib**-Hands on** |  |  |  |  |
| **Day 2 22/1/19** | 9:00AM -10:15AM | Introduction to Machine Learning | **Mrs. Farhana Kausar** |  |  |  |  |
|  |  |  |  |
| Application of ML |  |  |  |  |
| Difference Between ML and Deep Learning |  |  |  |  |
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| 10:15AM-11:00AM | Tea Break |  |  |  |  |
| 11:00AM -12:30AM | Decision Tree |  |  |  |  |
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| 12:30PM -1:15PM | Lunch Break |  |  |  |  |
| 1:15PM-3:00PM | Artificial Neural Network |  |  |  |  |
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| 3:00PM-3:15PM | Tea Break |  |  |  |  |
| 3:15PM-4:30PM | Classification |  |  |  |  |
|  |  |  |  |
| Clustering |  |  |  |  |
| Regression |  |  |  |  |
| **Day 3 23/1/19** | 9:00AM -10:15AM | Tennis Data set |  |  |  |  |
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| 10:15AM-11:00Am | Tea Break |  |  |  |  |
| 11:00AM -12:30AM | XOR Problem |  |  |  |  |
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| 12:30PM -1:15PM | Lunch Break |  |  |  |  |
| 1:15PM-3:00PM | KNN(Iris Dataset) |  |  |  |  |
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| 3:00PM-3:15PM | Tea Break |  |  |  |  |
| 3:15PM-4:30PM | Enjoy Sports dataset |  |  |  |  |
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