

III Year – II SEMESTER		L	T	P	C
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<p style="text-align: center;"><b>SKILL ADVANCED COURSE</b>  <b>MACHINE LEARNING WITH PYTHON</b></p>					

- Illustrate and comprehend the basics of Machine Learning with Python
- Demonstrate the algorithms of Supervised Learning and be able to differentiate linear and logistic regressions
- Demonstrate the algorithms of Unsupervised Learning and be able to understand the clustering algorithms
- Evaluate the concepts of binning, pipeline Interfaces with examples
- Apply the sentiment analysis for various case studies



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**Text Books:**

1. Introduction to Machine Learning with Python: A Guide for Data Scientists, Andreas C. Muller & Sarah Guido, Orieilly Publications, 2019.
2. Python Machine Learning, Sebastian Raschka & Vahid Mirjalili, 3<sup>rd</sup> Edition, 2019.
3. Building Machine Learning Systems with Python, Luis Pedro Coelho, Willi Richert, 2nd Edition, 2015.

**Reference Books:**

1. Machine Learning, Tom M. Mitchell, Mc Graw-Hill Publication, 2017