VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE::VIJAYAWADA

(AUTONOMOUS)

DEPARTMENT OF IT MICRO LEVEL SYLLABUS

| Class | B Tech | Regulation | VR20 |
|----------------------|------------------|-----------------|-----------------------|
| Subject Code | 20IT6302 | Year & Semester | III Year, II Semester |
| Title of the Subject | Machine Learning | | |

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Text Book(s):

- [T1] Machine Learning: The art and Science of algorithms that make sense of data, Peter Flach, Cambridge University Press, 2012
- [T2] Tom M. Mitchell, Machine Learning, India Edition 2013, McGraw Hill Education

Reference Books:

- 1. Aurélien Géron, Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow: Concepts, Tools, and Techniques to Build Intelligent Systems 2nd Edition
- 2. Stephen Marsland, "Machine Learning An Algorithmic Perspective", Second Edition, Chapman and Hall/CRC Machine Learning and Pattern Recognition Series, 2014
- 3. Ethem Alpaydin, Introduction to machine learning, second edition, MIT press.

E-resources and other digital material

- [1]. Kevin Murphy, "Machine Learning: A Probabilistic Perspective", MIT Press, 2012, https://www.cs.ubc.ca/~murphyk/MLbook/pml-intro-5nov11.pdf
- [2] Machine Learning by Andrew Ng, Stanford University https://www.coursera.org/learn/machine-learning
- [3] Professor S. Sarkar IIT Kharagpur "Introduction to machine learning", https://www.youtube.com/playlist?list=PLYihddLF-CgYuWNL55Wg8ALkm6u8U7gps
- [4] Professor Carl Gustaf Jansson, KTH, Video Course on Machine Learning https://nptel.ac.in/noc/individual_course.php?id=noc19-cs35

| Designation | Name in Capitals | Signature with Date |
|------------------------|------------------|---------------------|
| Course Coordinators | Dr. T ANURADHA | |
| | Dr G KALYANI | |
| Module Coordinator | Mr Y SANDEEP | |
| Program Coordinator | Dr.G.KALYANI | |
| Head of the Department | Dr.M.SUNEETHA | |