Practical Machine Learning with Tensorflow

SWAYAM Prabha Course Code: R20

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COURSE OUTLINE	This will be an applied Machine Learning Course jointly offered by Google and IIT Madras. We will cover the basics of Tensorflow and Machine Learning in the initial sessions and advanced topics in the latter part. After this course, the students will be able to build ML models using Tensorflow. **Course Outline** 1. Getting started with Tensorflow 2. Overview of Machine Learning (Process and Techniques, Demonstration of ML concepts with Deep Playground) 3. Data Input and Preprocessing with Tensorflow 4. Machine Learning Model Building 5. Prediction with Tensorflow 6. Monitoring and evaluating models using Tensorboard 7. Advance Tensorflow (Building custom models - CNNs, Scaling up for large datasets) 8. Distributed training with hardware accelerators