

<b>Course Name</b>	<b>TensorFlow Specialty</b>
<b>Course Duration</b>	5 Day (40 hours)
<b>Target Audience</b>	Data Analyst, Business Analysts, Data Scientist
<b>Course Outcomes</b>	<b>TensorFlow Proficiency:</b> <ul style="list-style-type: none"> <li>• Understand machine learning and deep learning basics</li> <li>• Apply TensorFlow for computer vision tasks with CNNs</li> </ul>
	<b>Master CNNs in TensorFlow:</b> <ul style="list-style-type: none"> <li>• Work with large datasets and apply data augmentation</li> <li>• Utilize transfer learning and build multiclass classification models</li> </ul>
	<b>NLP Techniques in TensorFlow:</b> <ul style="list-style-type: none"> <li>• Perform sentiment analysis and use word embeddings</li> <li>• Develop sequential models for text analysis</li> </ul>
	<b>Time Series Predictions with TensorFlow:</b> <ul style="list-style-type: none"> <li>• Analyze time series data and build deep neural network models</li> <li>• Explore RNNs for time series analysis</li> </ul>

<b>Module No.</b>	<b>Module</b>
<b>1</b>	<b>Introduction to TensorFlow</b>
1.1	Basics of Machine Learning & Deep Learning
1.2	Introduction to Computer Vision
1.3	Enhancing Vision with Convolutional Neural Networks
1.4	Practical case of real-world images
<b>2</b>	<b>Convolutional Neural Networks in TensorFlow</b>
2.1	Working with large datasets
2.2	Augmentation Technique
2.3	Transfer Learning Technique
2.4	Multiclass Classifications Technique
<b>3</b>	<b>Natural Language Processing in TensorFlow</b>
3.1	Sentiment Analysis Technique
3.2	Word Embedding Technique
3.3	Sequential Model Technique
<b>4</b>	<b>Time Series &amp; Predictions using TensorFlow</b>
4.1	Concept of Sequence and Prediction in time series data
4.2	Deep Neural Network for time series data
4.3	Recurrent Neural Network for time series data

