

**B. K. BIRLA COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS),  
KALYAN**

## **CERTIFICATE COURSE**



## **Practical Machine Learning with Tensorflow**

**Week 1:** Getting started with Tensorflow

**Week 2:** Overview of Machine Learning (Process and Techniques, Demonstration of ML concepts with Deep Playground)

**Week 3:** Data Input and Preprocessing with Tensorflow

**Week 4:** Machine Learning Model Building

**Week 5:** Prediction with Tensorflow

**Week 6:** Monitoring and evaluating models using Tensorboard

**Week 7:** Advance Tensorflow (Building custom models - CNNs, Scaling up for large datasets)

**Week 8:** Distributed training with hardware accelerators



This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

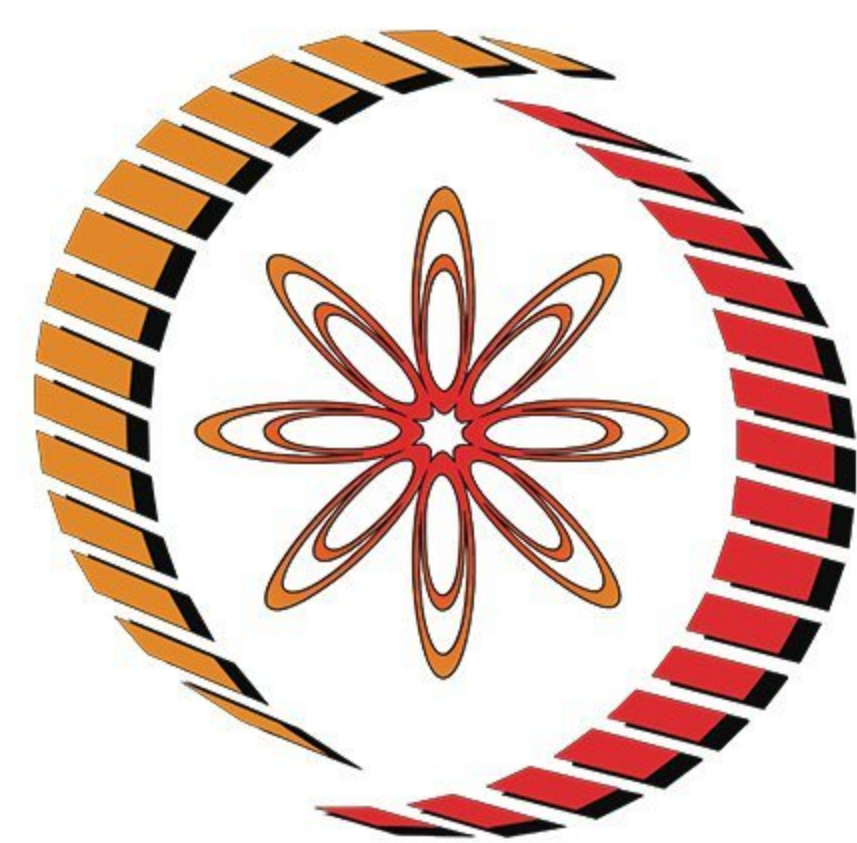
Roll No: NPTEL20CS95S71980318

To  
TUSHAR DALAL  
3/403, MADHUSUDAN RESIDENCY CHS,  
NR. SARVODAYA ASHISH CHS,  
CHOLEGAON,THAKURLI,DOMBIVLI(E)  
THANE  
MAHARASHTRA - 421201  
PH. NO :7738975577

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate



No. of credits recommended by NPTEL:2  
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



# NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to  
**TUSHAR DALAL**  
for successfully completing the course

## Practical Machine Learning with Tensorflow

with a consolidated score of **51** %

Online Assignments	19.38/25	Proctored Exam	31.93/75
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*Devendra Jalihal*

**Prof. Devendra Jalihal**  
Chairman  
Centre for Continuing Education, IITM

Total number of candidates certified in this course: **364**

**Sep-Nov 2020**  
(8 week course)

*Prof. Andrew Thangaraj*

**Prof. Andrew Thangaraj**  
NPTEL Coordinator  
IIT Madras



Indian Institute of Technology Madras

