Serial No 4443024

Roll No BBST932506003225

CENTRAL TOOL ROOM & TRAINING CENTRE

A Govt. of India Society

(An Indo-Danish Project)
Under

MINISTRY OF MSME

B - 36, Chandaka Industrial Area
Bhubaneswar -751024

This is to certify that

Mr. / Ms. SWADHIN PANIGRAHI

has successfully completed the course

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
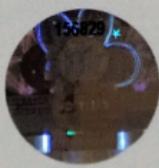
The course comprises the following subjects

1. INTRODUCTION TO AI & ML
2. PYTHON BASIC PROGRAMMING
3. PYTHON PACKAGES FOR MACHINE LEARNING
4. TECHNIQUES TO SOLVE SUPERVISED LEARNING PROBLEMS
5. TECHNIQUES TO SOLVE UNSUPERVISED LEARNING PROBLEMS
6. NATURAL LANGUAGE PROCESSING
7. COMPUTER VISION
8. DEEP LEARNING USING KERAS
9. PROJECT ON FACE RECOGNITION ATTENDANCE SYSTEM

Period of Course From : 16. 06. 2025   **To :** 15. 07. 2025

Date of Award : 15. 07. 2025

Ritu Maity
Course Co-ordinator

Sr. Manager (Training)

सेन्ट्रल टूलरूम एन्ड ट्रेनिं सेन्टर, भुवनेश्वर
CENTRAL TOOL ROOM & TRAINING CENTRE, BHUBANESWAR
भारत सरकार की सोसाइटी, सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
Government of India Society, Ministry of Micro, Small & Medium Enterprises

MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES
GOVERNMENT OF INDIA

ISO 9001, 14001, 50001 & 29990
OHSAS 18001 & AS 9100

Ref. No: CTTC/BBS/TRG/117

Date: 15th July 2025

TO WHOM-SO-EVER IT MAY CONCERN

This is to certify that **Mr./Ms. SWADHIN PANIGRAHI**, Regd. No. **2301289125** has undergone training on "**Artificial Intelligence & Machine Learning**" from 16th June 2025 to 15th July 2025 for meeting his/her industrial training/internship requirements. He/She is being imparted industrial training & advanced software training in our Training/Production facility to get exposure to the practical aspects of his/her engineering branch.

To the best of our knowledge and belief he/she bears a good moral character.

Smishra
Manager (Training)