

AI/ML USING PYTHON

भारत सरकार द्वारा आयोजित पी एम् श्री (PM SHRI) योजना के अंतर्गत , राष्ट्रीय इलेक्ट्रॉनिकी एवं सूचना प्रद्योगिकी संस्थान (रा.इ.सू.प्रौ.सं.) दमन शाखा गुजरात द्वारा कक्षा 8 के विद्यार्थियों को AI/ML using Python विषय पर 5 दिवसीय कौशल प्रशिक्षण दिनांक 25.11.24 से दिनांक 29.11.24 तक केंद्रीय विद्यालय राजकोट में दिया गया जिसमें विद्यार्थियों ने AI/ML के अंतर्गत रोचक जानकारियाँ प्रायोगिक माध्यम द्वारा प्राप्त की |

प्रशिक्षण के दौरान Neural Networks , Machine learning models , Problem solving methods using tools like flowcharts के साथ Python में प्रोग्रामिंग करना सिखाया गया |

दिनांक 30.11.24 को प्रशिक्षण उपरांत ऑनलाइन परीक्षा संपन होने के बाद प्रशिक्षण का समापन किया गया |











08:16 am | 30 Nov 2024
Sat

44C, Street Number 12, Ram Park, Rajkot,
Gujarat 360005

Timemark App
Authentic time, GPS





09:12 am | 30 Nov 2024
Sat

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Detailed Curriculum

Name of the Course: AI/ML

using Python Course

Duration: 30 Hrs

To	Topics covered
<p>Day 1 Introduction to AI</p>	<p>Introduction to AI: What is AI?, Understanding AI fundamentals, AI in everyday life, History and evolution, Types of AI: Narrow AI, General AI & Super AI Understanding data, types of data, and its importance in AI/ML.</p> <p>Activity: Interactive discussion on AI applications around us (voice assistants, smart devices etc.).</p>
<p>Day 2 Basics of Machine Learning</p>	<p>Introduction to Machine Learning: Basic concepts (supervised vs. unsupervised learning), Introduction to Neural Networks</p> <p>Activity: Creating a basic machine learning model using prebuilt models (e.g Teachable machines by google)</p>
<p>Day 3 Problem solving through Programming</p>	<p>Problem solving steps, Concept of Algorithms and Flowcharts, flowchart symbols etc.</p> <p>Activity: Design algorithms/flowchart for basic programming examples</p>
<p>Day 3 Introduction to Python Programming</p>	<p>Overview of Python as an AI/ML language. Basic Python Programming: Variables, Data types (numbers, strings, lists), and Simple I/O operations, installation python and execution of programmes. Python Control Structures.</p> <p>Activity: Writing/implementing simple Python programs (printing a message, basic math operations).</p>
<p>Day 5 Exploring AI Domain and Tools</p>	<p>Introduction to AI Domains: Computer Vision, NLP, Generative AI, Definitions and overview, Applications.</p> <p>Activity: Using online AI tools like Building a simple chatbot using online Platform, using Scratch tool etc.</p>

