Mangalore University

Mangalore University Incubation Centre (MUIC)

Workshop on Artificial Intelligence & Machine Learning using Python

A one week workshop on Artificial Intelligence & Machine Learning using Python through online mode by Prahas Amin, Lecturer, P.A. Engineering College from 25th & 31st October 2022. Total 12 participants attended this workshop including students & faculties.

About Artificial Intelligence & Machine Learning

Artificial Intelligence & Machine Learning is one of the fastest-growing and most exciting fields in computer science today. Great Learning's top Artificial Intelligence workshop will give you the skills and knowledge you need to stay ahead of the curve in this rapidly changing field. The workshop aims at discussing the latest AI research, algorithms, and applications, and gain hands-on experience with cutting-edge tools and techniques.

Training Topics:

To learn the fundamentals of Python Programming Language and learn to make use of python packages for machine learning, deep learning and data science. Different machine learning algorithms will be covered both theoretically as well as practical implementation. Artificial Neural Networks and their use in deep learning will also be covered during the workshop. You will learn to practically apply machine learning and deep learning to different types of problems.

1. Python Fundamentals- Basics of Python Programming Language an introduction to useful packages
2. Linear Regression – Univariate and Multivariate Linear Regression
3. Logistic Regression and K-Nearest Neighbors.
4. Bayesian Learning Methods – Implementation of Naïve Bayes Algorithm
5. Implementation of Support Vector Machines with different Kernels for Classification and Regression.
6. Perform PCA dimensionality Reduction on suitable datasets and compare performance of the classifiers before and after Dimensionality Reduction.
7. Document Classification and Sentiment Analysis– Perform Exploratory Data Analysis of a Dataset of Reviews and Implement a Review Classifier.
8. Artificial Neural Networks –Implementation using Tensor flow.
9. Image Classification using Convolution Neural Networks
10. Image Denoising using Auto encoders

AI & ML Using Python (ONLINE MODE)

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Date: 25/10/22 - 29/10/22

S.No	Name	Department	M. Number	Sign	Fees
1	Varun Hegde	~~BSc~~ M.Tech (A P)			✓
2	Viyola Vivel Serrao	MCA (A P)	8197417564		✓
3	Nagaraja	Mcom	6360215723		✓
4	Sachin lobo	E&C	9844732328		✓
5	U Sukruthi Prabhu	Bsc	9353430532		✓
6	Padmaja. K	M.A. (Lectu	9480734528		✓
7	Chandru Hegde	Msc. Phd	9900815699		✓
8	Prajna. S	M.A. (Lecturer	9900761621		✓
9	Alashi Sinha	Mcom. (G.L)	9845078845		✓
10	B. Chaithra Kumara	Mcom. Lecturer	9591061634		✓
11	Grizie	Bsc	+251901463454		✓
12	Temesgen Adamu	Bsc	+251918505732		✓

Trainer:-
Prahas Amin

Attended Students List

Certificate

MANGALORE UNIVERSITY

This is to certify that **PRAJNA S** has successfully completed the Workshop **on " Artificial Intelligence & Machine Learning using Python "** Conducted by **Mangalore University Incubation Centre** from **25-10-2022** to **29-10-2022**.

Registrar
Mangalore University

Coordinator
MUIC