UPL

UNLIMITED POWER FULL LEARNING

UPL PROSPECTOUS

early break even | best experience

@unlimited powerfull learning

2023

ABOUT COMPANY:

UNLIMITED POWER FULL LEARNING (UPL) aims to solve the challenges and minimize the gap between students with IT industries' expectations. This organization is built by a strong team who are having good academic and industry experience of more than two decades. The founder of this experience G.D. Mallikarjuna has 20+ plus started as a technologist having diverse experience in the education sector as Trainer and Developer.

VISION:

At UPL@SNIPE, we make the best experience in technology learning with career guidance for their life journey

MISSION:

Learn with Live experience and career values.

PROGRAMS OFFERED:

PROGRAMS	DURATION	AMOUNT + GST
CODING BOOT CAMP	4 TO 6 MONTHS	Rs.30000/-
CERTIFICATION COURSE	3 SEMESTERS 1 YEAR COURSE	Rs. 25000/- per semester Rs. 10000/- final semester
CAREER BRIDGE	3 MONTHS	Rs. 50000/-
INDUSTRY READINESS PROGRAM	3 MONTHS	Rs.20000/-

*Terms and Conditions are subjected to further discussion before signing the legal agreement

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CODING BOOT CAMP

ABOUT THIS MODEL

- **Category:** Virtual Program
- **Target Audience:** Fresher & Experienced
- **Duration:** 4 To 6 Months
- **Cost:** Rs. 30,000/Candidate (**Registration:** 10K + GST **After 6 Weeks:** 10K + GST **Live Project:** 10K + GST)
- **Course Coverage:** 2 Months training in a relevant discipline, 1 capstone project & followed by involving in live project for duration 4 months.
- **Outcome:** Build their careers feature strong growth projections & lucrative salaries
- **Career Opportunities:** The best jobs you can secure after completing one of these programs such as, Technical Support Specialist, Digital Marketer, Junior Developer, Data Analyst, Web Developer, Project Manager, User Interface/Xxperience (UI/UX) designer, Application Developer, Product Manager, Software Engineer, Full Stack Developer, Data Scientist, Development Operations (DevOps) Engineer, Back End Eeveloper, Teach Others, also Freelancer

COURSES ARE :

- JAVA FULLSTACK
- FULL STACK C# .NET
- FRONT END DEVELOPER IN (REACT/ANGULAR)
- MEAN STACK
- PYTHON
- DATA-SCIENCE
- AUTOMATION TESTING WITH JAVA
- UI/UX DESIGN
- DIGITAL MARKETING
- JENKINS
- MACHINE LEARNING
- DATASTRUCTURE IN PYTHON
- TABLEOU
- POWER BI
- PSPARK
- DEVOPS

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BENEFITS IN THIS PROGRAM :

- Uplsnipe Coding Bootcamp Certificate.
- Program Transcript For The Entire Learning Path.
- Coding Bootcamps Can Open Doors To Exciting Technical Career Opportunities.
- Mastering Programming Languages And Associated Technologies Can Prepare You To Work As A Software Or Web Developer.
- Strong Growth Projections And Lucrative Salaries

DATA-SCIENCE

07 HRS

UNIT_001: INTRODUCTION TO DATA ANALYSIS AND VISUALIZATION:

Working With Data Analysis Libraries (E.G., Pandas, Numpy)
Data Manipulation And Exploration
Basic Data Visualization Using Libraries Like Matplotlib And Seaborn

06 HRS

UNIT_002 : INTRODUCTION TO MACHINE LEARNING WITH PYTHON:

Overview Of Machine Learning Concepts
Introduction To Popular Libraries (E.G., Scikit-Learn, Tensorflow)
Supervised And Unsupervised Learning Algorithms
Building And Evaluating Machine Learning Models

04 HRS

UNIT_003:

Jupyter Notebook, Statistics, Feature Engineering, Exploratory Analysis, Feature Selection

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UNIT_004:

04 HRS

Introduction To Machine Learning, Supervised Learning Linear Regression And Classification, Decision Tree And Random Forest, Unsupervised Learning, Time Series Modeling

UNIT_005:

05 HRS

Introduction To Data Visualization And Tableau, Preparing Data Sources And Working With Metadata, Structuring In Tableau, Dashboard

UNIT_006:

06 HRS

Working With Team In 4 Sprints Contributes To Module Real-Time Project Development

UNIT_007 : INTRODUCTION TO DATA SCIENCE

06 HRS

Overview Of Data Science And Its Applications
Introduction To The Data Science Workflow
Role Of A Data Scientist And Key Skills Required

UNIT_008 : DATA ACQUISITION AND CLEANING

06 HRS

Understanding Data Sources And Formats
Web Scraping Techniques
Data Cleaning And Preprocessing Methods

UNIT_009: EXPLORATORY DATA ANALYSIS

04 HRS

Descriptive Statistics And Data Visualization
Feature Selection And Dimensionality Reduction
Handling Missing Data And Outliers

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UNIT_010: DATA VISUALIZATION   04 HRS

Principles Of Effective Data Visualization
Introduction To Data Visualization Libraries (E.G., Matplotlib, Seaborn)
Creating Various Types Of Plots And Charts

05 HRS
UNIT_011: STATISTICAL ANALYSIS AND HYPOTHESIS TESTING

IIntroduction To Statistical Concepts
Parametric And Non-Parametric Tests
Performing Hypothesis Tests And Interpreting Results

UNIT_012 : MACHINE LEARNING ALGORITHMS   06 HRS

Overview of supervised and unsupervised learning
Linear regression, logistic regression, and decision trees
Clustering algorithms (k-means, hierarchical clustering)

UNIT_013 : MODEL EVALUATION AND VALIDATION   06 HRS

Cross-validation techniques
Evaluation metrics for classification and regression models
Overfitting, underfitting, and regularization technique

UNIT_014: FEATURE ENGINEERING AND SELECTION   04 HRS

Transforming and creating new features
Techniques for feature selection and importance ranking
Handling categorical and textual data

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UNIT_015: TIME SERIES ANALYSIS

04 HRS

Introduction to time series data
Time series forecasting methods (ARIMA, Exponential Smoothing)
Seasonality and trend analysis

05 HRS

UNIT_016 :BIG DATA AND DISTRIBUTED COMPUTING

Introduction to big data concepts
Apache Hadoop and MapReduce framework
Distributed data processing with Apache Spark

UNIT_017 : DEEP LEARNING AND NEURAL NETWORKS

06 HRS

Introduction to neural networks and deep learning
Building and training neural networks with TensorFlow or PyTorch
Convolutional Neural Networks (CNNs) and Recurrent Neural Networks (RNNs)

UNIT_018 : NATURAL LANGUAGE PROCESSING (NLP)

06 HRS

Text preprocessing and tokenization
Sentiment analysis and text classification
Named Entity Recognition (NER) and text summarization

UNIT_019: DATA ETHICS AND PRIVACY

04 HRS

Ethical considerations in data science
Privacy and security issues in data handling
Responsible and transparent use of data

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UNIT_020: REAL-WORLD PROJECT

04 HRS

Working on a data science project from start to finish
Applying the concepts and techniques learned throughout the course
Presenting and communicating the project results

UNIT_021 :

CAPSTONE PROJECT

LAB SET DATA-SCIENCE

LAB 1: DATA EXPLORATION AND PREPROCESSING

- Load a dataset into Python using libraries like Pandas.
- Explore the dataset by examining its structure, summary statistics, and visualizations.
- Preprocess the data by handling missing values, outliers, and data transformations.

LAB 2: DATA VISUALIZATION

- Use libraries like Matplotlib or Seaborn to create visualizations for data exploration.
- Generate basic plots such as histograms, scatter plots, and box plots.
- Customize visualizations and add labels, titles, and annotations.

LAB 3: STATISTICAL ANALYSIS

- Perform statistical analysis on data using libraries like NumPy or SciPy.
- Calculate measures of central tendency, dispersion, and correlation.
- Conduct hypothesis testing and interpret the results.

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LAB 4: MACHINE LEARNING - SUPERVISED LEARNING

- Apply supervised learning algorithms like linear regression, logistic regression, or decision trees.
- Split the data into training and testing sets.
- Train the models, evaluate their performance, and make predictions.

LAB 5: MACHINE LEARNING - UNSUPERVISED LEARNING

- Apply unsupervised learning algorithms like clustering (e.g., K-means clustering) or dimensionality reduction (e.g., Principal Component Analysis).
- Explore and interpret the results of unsupervised learning models

LAB 6: FEATURE ENGINEERING

- Engineer new features from existing data using techniques like scaling, one-hot encoding, or feature extraction.
- Select relevant features using techniques like feature importance or correlation analysis.
- Evaluate the impact of feature engineering on model performance.

LAB 7: MODEL EVALUATION AND SELECTION

- Evaluate the performance of machine learning models using metrics like accuracy, precision, recall, or F1 score.
- Perform model selection by comparing different models and their performance.
- Implement cross-validation techniques to assess model generalization.

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LAB 8: MODEL TUNING AND OPTIMIZATION

- Optimize model hyperparameters using techniques like grid search or random search.
- Use techniques like regularization or ensemble methods to improve model performance.
- Perform model evaluation after tuning and compare with the initial results.

LAB 9: DEEP LEARNING

- Apply deep learning techniques using libraries like TensorFlow or PyTorch.
- Build and train deep neural networks for tasks like image classification or natural language processing.
- Evaluate and fine-tune deep learning models for better performance.

LAB 10: DATA SCIENCE PROJECT

- Work on a complete end-to-end data science project, including data preprocessing, modeling, and evaluation.
- Apply all the concepts and techniques learned throughout the labs to solve a real-world problem.
- Prepare and present the project results, including visualizations and insights.

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THANK
YOU

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f /uplsnipe   🔘 uplsnipe   📍 #123, 70Th Cross, 2Nd Floor, SVA Arcade, 5Th
                                          Block Rajajinagara, Bengaluru - 560010