



Advanced Data Science AI course



Received 9 Prestigious
Ed-tech Awards



16000+ Success Stories
Since 2014



2,50,000+ Hours of
Classes Delivered



625+ Batches completed

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- ★ DATA SCIENCE & AI
- ★ AWS DevOps
- ★ Generative AI

CELEBRATING 10 GLORIOUS YEARS IN
CREATING SUCCESSFUL CAREERS

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Recent Placements at



SOCIALPRACHAR
An Initiative By IIM Alumni

with CTC 3-8 LPA



24



11



14



08



06



04



02



02



03



02



05



02



08



02

11000+ Placements since 2014

Its Your Turn Now!!! | Get your Dream Job in just 100 days

OUR HIRING PARTNERS



COGNERIUM



accenture



Google

HCL



and

300+ companies

AWARDS & GOT FEATURED IN...



We are happy to announce that Social Prachar has been awarded as **The Best Academy @7th Asian Education Summit, Mumbai**, Presented by Juhi Chawla, former Miss India.



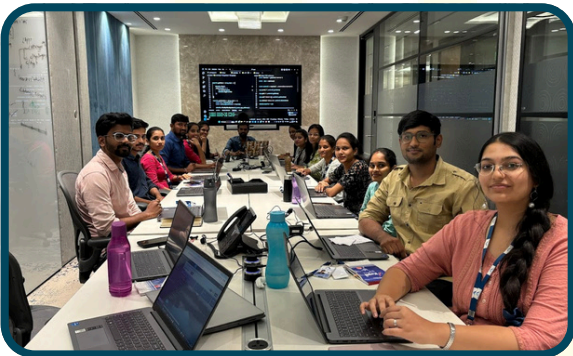
10 SUCCESSFUL YEARS IN ED-TECH

- ✓ 16,000 + Successful Trainees
- ✓ 3,50,000+ Hours of Classes Delivered
- ✓ Received 9 Ed-tech Awards
- ✓ 500+ Entrepreneur's trained
- ✓ 400+ Corporate Tie-ups
- ★ Minimum salaries for our students range from 2.4 To 3 LPA
- ★ Average packages 3 to 5 LPA
- ★ 10.5 LPA top packaged received recently

RECENT WORKSHOP AT BHEL



WORKSHOP AT BLUESPIRE



ACHEIVEMENTS



DATA ANALYTICS & DATA SCIENCE AI

PROGRAM HIGHLIGHTS

- ✓ Hybrid Model Learning (Online / Classroom mode)
- ✓ 150+ Hours Of Live Classes
- ✓ 180+ hours Project Sessions
- ✓ 1-1 Dedicated Mentor support
- ✓ Project-Based Immersive Learning
- ✓ Professional-Grade Project Portfolio
- ✓ Weekly 1-on-1 with Mentors
- ✓ Industry-Validated Curriculum
- ✓ Personalized Career Guidance
- ✓ 50+ Hours CRT Practice Sessions
- ✓ 100% Job Guaranteed Program

WHO SHOULD ATTEND THE COURSE

If you're looking to establish and fast-track your career in **tech**, this beginner-friendly program is for you.

ANYONE CAN TAKE THE COURSE INCLUDING:

- ✓ Freshers
- ✓ Novices
- ✓ Developers
- ✓ Anyone from any industry
- ✓ Anyone from the IT industry
- ✓ Anyone who's held a tech-adjacent role

100% JOB GUARANTEED PROGRAM

OVERVIEW

Programs offered:

1. **Data Analytics** - 2.5 Months (10 Mini Projects & 2 Main Projects)
2. **Data Science** - 4 Months (15 Mini Projects & 5 Main Projects)
3. **Advanced Data Science AI with stipend Internship** - 7 Months (Last 3 Months Full Day internship)
4. **Generative AI** - 1.5 months

Earn the Below Certifications by the End of our Program:

1. **IBM** certified Data Science certification.
2. **Harvard university** certification.
3. Course completion certification from **SocialPrachar**.
4. Internship completion from **SocialPrachar** AI Product Based company.

DID YOU KNOW?

90% Institutes are just Providing Course, But SocialPrachar Provides Course + Internship(3 Months Full Day) + Free SoftSkills + Free Upskilling

CURRICULUM

A. Business Understanding

Understanding the Business Goal and analyzing the features/ variables /columns which we need for the data analysis.

B. Python

1..Core Python

- Basics (Installation and Usage)
- Data & Primitive Data Types (Integer, Float, String, Bool, Complex)
- Variables & Operators with data
- Input & Output
- Type Casting
- Conditions (While, If - elif - else)

2. Data Structures

- Strings as Data Structure, List, Tuple, Dictionary, Set
- Properties of Data Structure
- Indexing & Slicing
- Data Structure Methods

3. Loops

- For , while
- List Comprehensions
- Break, Continue, Pass

4. Functions

- User defined functions, Built-in Functions
- Generators & Decorators
- Lambda Map , Filter, Reduce

5. Advanced Python

- OOP
 - Object & Class (Inheritance, Polymorphism, Encapsulation, Abstraction)
 - Class Methods & Static Methods
- Modules & Libraries
 - Modules
 - Parsing Arguments
 - Libraries for Data Science
- Exception Handling
- File Handling
- Multi-Threading & Multi-Processing

C. Data collection for Features

1. Primary

- Manual Data Collection

2. Secondary

- Open Sources: Kaggle, UCI machine learning repository, Google Data Search
- Databases: SQL (Import and export)
- Web scraping: Extracting data from potential website

D. Data Validation & Normalization

1. Validating Collected Column/Features data
 - Removing Extra Spaces or characters in column data if necessary

E. Data Insights (Stats & Visual)

1. EDA (Uni-Variate, Bi-Variate, & Multi-Variate)
 - Statistical Analysis
 - Variables
 - Variable Data Types Study
 - Descriptive Stats
 - Measure of Central Tendency (Mean, Median, Mode)
 - Measure of Dispersion/Spread (Range, Standard Deviation, Variance, Quartiles, IQR)
 - Measure of Symmetry (Skewness and Kurtosis)
 - Correlation, Co-linearity & Covariance
 - Visual Analysis
 - Bar plots, Boxplots, Pie charts, Histogram, Distplots
 - Scatterplots, Pair plots, Heat maps
 - Inferential Stats
 - Population and sample
 - Probability, Distributions & Z scores
 - Confidence Interval Central Limit theorem
 - Hypothesis Testing (Z tests, Anova, Chi-Square)

F. Data Preparation for Predictive Modeling

1. Missing Values & Outliers Handling
2. Input (X) & Output (y)
3. Is selection
4. Feature Engineering
 - Feature Selection
 - Feature Generation
 - Feature modification
 - Data-Preprocessing
 - Scaling (Scaling Numeric Data)
 - Encoding (Converting Categorical Data to Numerical)
 - Data Leakage

G. Predictive Modeling (AI)

1. Modeling Basics
 - Predictive Modeling & AI Introduction
2. Machine Learning (ML)
 - Train-Test Split
 - Supervised Learning & Its Algorithms
 - Regression
 - Linear Regression (Simple & Multiple, Polynomial Regression, Lasso(L1) & Ridge(L2))
 - Non-Linear Regression (Random forest, Decision Tree Regressor, Svm Regressor, etc.)
3. Classification
 - Class Imbalance
 - Logistic Regression
 - SVM
 - KNN

- Naïve Bayes
- Decision Tree
- Random Forest
- Boosting and Bagging

4. Model Evaluation Techniques

- Regression and Classification Metrics
- Cross-validation
- Bias-Variance Trade off
- Hyper-Parameter Tuning
- Un- Supervised Learning & It's algorithms
 - Dimensionality Reduction (PCA)
 - Clustering(K-means, H-Clustering, DBSCAN Clustering)

5. Deep Learning (DL)

- Introduction to Neural Networks
 - Neurons in Human Brain (What are neural network, structure of Neural Network)
 - How Neural networks work (Feed Forward Neural Network)
 - Forward Propagation (Weights)
 - Backward Propagation (Optimization (Gradient Descent))

6. Types of Neural Networks

- Artificial Neural Network (ANN)
- Convolution Neural Network (CNN)
- Recurrent Neural Network (RNN)

7. ANN for Regression & Classification

8. Working with Images Data

9. Introduction to CNN

- CNN Architectures

10. Image Classification using CNN

11. Introduction to Object Detection

- Object Detection Vs Object Classification
- OpenCv Object Detection

12. Object detection models

- Introduction to R-CNN, Faster R-CNN, YOLO etc....
- Introduction to transfer learning Custom Object
- Detection using YOLO recent version

13. Working with Text data (Natural Language Understanding (NLU))

- Collecting Text data according to Analysis
- Text validation & Cleaning (Tokenization, Stop words, Stemming/Lemmatization)
- Text Pre-Processing (Converting Text to Numeric vectors (N-grams, BOW , TF-IDF, Word2vec Word Embedding's))

14. Language Modeling (Natural Language Generation (NLG))

- Sentiment Analysis/Text Classification Predictive
- Modeling using ANN/ML o Introduction to Sequence Models
 - RNN Sequence data (Text/Time series)
 - Using RNN for Sequence data- LSTM
- Model Types Based on RNN/LSTM
- Next word prediction/Translations/Q&A Predictive Modeling using RNN/LSTM

E. Databases Overview

- 1.. Basics (Data Bases, Tables, Data Base Management System (DBMS), SQL)
2. Working with Database Management System
 - RDBMS (MySQL) (SQL, Queries (DDL, DML, Joins, and Aggregations using Group by, Filters...))
 - NRDBMS (MongoDB) - Non-relational Databases (No-SQL, Queries (CRUD))

F. Reporting Tool (Tableau or PowerBi)

1. Introduction
2. Tableau
 - Introduction
 - Installation
 - Data Sources
 - Visualizations
 - Filters
 - Dashboard
 - Story
3. PowerBi
 - Introduction
 - Installation
 - Data Sources
 - Power Query
 - Visualizations, Interactions Measures
 - DAX (Data Analysis Expressions)
 - Filters
 - Reports

CONTACT US



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Timely doubt sessions

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HIGHLIGHTS



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HYDERABAD

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