Question-1 What Is Bignalytics

Bignalytics is a premier training institute founded in 2019 by IITians and PhD professionals with over 20 years of experience in the IT industry. Dedicated to bridging the gap between academic knowledge and real-world industry demands,

Bignalytics offers comprehensive courses designed to equip students with practical skills and expertise. our programs are available in both classroom and online formats, emphasizing hands-on training and industry-relevant knowledge. This approach ensures that learners are well-prepared to thrive in today's fast-evolving technological landscape.

We specialize in high-demand fields including:

- Data Analytics
- Data Science
- Machine Learning
- Artificial Intelligence

Take the next step in your career by joining Bignalytics and unlocking your potential in AI and Machine Learning.

Question 2: Bignalytics Address/Location/Located/Situated at

204, Pearl Business Park,3-Vishnupuri, iBus Stop, Above Ramesh Dosa, Bhawarkua Main Road Indore. Madhya Pradesh

Question 3: How to Contact

- Contact: 93992-00960
- Email: contact@bignalytics.in
- Website: https://bignalytics.in/

Question 4: What Courses they Offer

1. Master's Program in Advance Data Analytics
2. Master's Program in Data Science & Data Analytics
3. Master's In Artificial Intelligence & Machine Learning

Question 4: Why Choose Bignalytics

1. Expert Faculty – Learn from highly qualified and experienced educators.
2. Structured Curriculum – Comprehensive and well-designed study plans.
3. Modern Learning Techniques – Smart classrooms, online support, and interactive sessions.
4. Regular Assessments – Mock tests, doubt-solving sessions, and performance tracking.
5. Success-Oriented Approach – Proven strategies to excel in interviews and competitive exams.

Question 5: Class Schedule and Operating Hours Opening Hours

- Monday to Saturday 11:00 AM – 8:00 PM
- Sunday: Closed

Question 6: Class Schedule and Lab Sessions

1. Classes are conducted three days a week, scheduled on either the first three days or the last three days of the week.
2. Lab sessions are held on the remaining three days.
3. The institute operates from Monday to Saturday, and students are welcome to visit daily for practice.
4. The institute is open from 11:00 AM to 8:00 PM.
5. Faculty members are always available to address questions and doubts.
6. Two demo classes are free

Question 7: Course Overview and Fee Structure (Session - 2024 Q4)

1. **Master's Program in Advanced Data Analytics**
   - Duration: 6 to 7 months
   - Course Fee: 44,000 INR
   - After Discount: 33,000 INR (25% off)
   - Additional Discount: 4,000 INR (on lumpsum payment)
   - EMI Option: 2 installments

2. **Master's Program in Data Science and Data Analytics**
   - Duration: 8 to 9 months
   - Course Fee: 60,000 INR
   - After Discount: 45,000 INR (25% off)
   - Additional Discount: 5,500 INR (on lumpsum payment)
   - EMI Option: 3 installments

3. **Master's Program in Machine Learning**
   - Duration: 12 to 14 months
   - Course Fee: 74,000 INR
   - After Discount: 55,500 INR (25% off)
   - Additional Discount: 6,000 INR (on lumpsum payment)
   - EMI Option: 3 installments

Question 8: Detailed Overview of All the Courses

1. **Master's Program in Advanced Data Analytics**

- **Course Overview:**
  The Master's Program in Advanced Data Analytics is a comprehensive course designed to equip you with essential tools, techniques, and industry-relevant skills. This program emphasizes hands-on learning, enabling you to gain expertise in data analysis, visualization, machine learning, and business intelligence using advanced tools.

- **Why is Advanced Data Analytics Essential?**
  In today's data-driven world, businesses depend on data insights to make informed decisions. Data analytics is a critical skill across industries like finance, healthcare, e-commerce, and marketing. Mastering data analytics can open doors to high-paying career opportunities as a data analyst, business analyst, data scientist, or business intelligence specialist.

- **Key Skills and Tools You Will Learn:**
  1. Python for Data Analysis – Learn Python programming and essential libraries like Pandas, NumPy, and Matplotlib for data manipulation and visualization.
  2. SQL and Database Management – Learn how to extract, clean, and manage data using SQL in databases such as MySQL, PostgreSQL, and SQL Server.
  3. Power BI – Master interactive data visualization and dashboard creation to support business decisions.
  4. Excel for Data Analysis – Learn advanced Excel functions, pivot tables, and VBA for data processing.
  5. ETL (Extract, Transform, Load) and Data Cleaning – Gain expertise in data extraction, transformation, and cleaning techniques using Python.
  6. Statistics and Data Interpretation – Learn hypothesis testing, probability, and statistical modelling to derive meaningful insights.
  7. Business Intelligence and Reporting – Learn how to create actionable reports and effectively present data-driven stories.

- **Who Should Enroll? This program is ideal for**
  1. Aspiring data analysts, business analysts, and data scientists.
  2. IT professionals looking to upskill in data analytics.
  3. Marketing, finance, and HR professionals who want to leverage data for decision-making.
  4. Students and freshers seeking a career in data analytics.

- **Program Details:**
    1. Course Duration: 6 to 7 months
    2. Class Modes: Online or Classroom
    3. Contact: 09399200960
    4. Website: https://bignalytics.in/

Question 9: Master's Program in Data Sc- And Data Analytics

- **Course Overview:**
    1. The Master's Program in Data Science and Data Analytics is an in-depth, industry-focused course designed to help you become a data expert. It covers data analysis, machine learning, business intelligence, and big data technologies, providing you with the skills to extract valuable insights and drive business growth.

- **Why is Data Science and Analytics Important?**
    1. In today's digital age, businesses across industries such as finance, healthcare, e-commerce, and technology rely on data-driven strategies. Mastering data science and analytics enables professionals to predict market trends, improve customer experiences, and automate decision-making processes. This expertise opens doors to high-demand, high-paying roles, including data scientist, data analyst, business intelligence analyst, machine learning engineer, and AI specialist.

- **Key Skills and Tools You Will Learn:**
    1. Python and R for Data Science – Learn programming with Python and R using libraries like Pandas, NumPy, Matplotlib, and Seaborn for data analysis and visualization.
    2. SQL and Database Management – Work with relational databases such as MySQL and PostgreSQL and NoSQL databases like MongoDB for efficient data handling.
    3. Power BI and Tableau – Master interactive data visualization and storytelling with leading business intelligence tools.
    4. Machine Learning and AI – Gain expertise in supervised and unsupervised learning, regression, classification, clustering, and deep learning using Scikit-learn and TensorFlow.
    5. Big Data and Cloud Computing – Work with Hadoop, Spark, Google BigQuery, AWS, and Azure to manage large-scale data processing.
    6. Statistics and Probability – Learn core statistical concepts, hypothesis testing, and probability distributions to support data-driven decision-making.

7. Data Cleaning and ETL Processes – Master data wrangling techniques using Python, OpenRefine, and SQL.
8. Natural Language Processing (NLP) – Analyze and process text data for AI applications, including chatbots and sentiment analysis.
9. Time Series Analysis and Forecasting – Use historical data to predict future trends.
10. Business Intelligence and Decision Science – Learn to translate complex data into actionable business strategies.

- **Who Should Enroll? This program is suitable for:**
    1. Aspiring data scientists, data analysts, and AI engineers
    2. IT and software professionals transitioning to data science
    3. Marketing, finance, and business professionals leveraging data for insights
    4. Students and freshers seeking a career in data-driven industries.

- **Program Details:**
    1. Duration: 8 to 9 months
    2. Class Modes: Online or Classroom
    3. Contact: 09399200960
    4. Website: https://bignalytics.in/

Question 10: Master Program in Artificial Intelligence & Machine Learning – Overview

- **Course Overview:**
  1. The Master Program in Artificial Intelligence and Machine Learning is a comprehensive course designed to equip you with the core skills, tools, and techniques required to develop intelligent systems, automate decision-making, and create AI-driven solutions. This program emphasizes hands-on learning, covering everything from machine learning algorithms to deep learning and neural networks using industry-standard tools.

- **Why is Artificial Intelligence and Machine Learning Important?**
  1. Artificial intelligence and machine learning are transforming industries by enabling automation, predictive analytics, and advanced problem-solving. These technologies power innovations such as self-driving cars, virtual assistants, recommendation systems, and fraud detection. Businesses across healthcare, finance, e-commerce, and technology sectors are actively seeking skilled AI and ML professionals, making this a high-demand career path. By mastering AI and ML, you can step into roles such as AI engineer, machine learning engineer, data scientist, deep learning engineer, and AI researcher.

- **Key Skills and Tools You Will Learn:**
  1. Python and R for AI and ML – Learn programming with Python and R using libraries like NumPy, Pandas, and Matplotlib for data manipulation and visualization.
  2. Machine Learning Algorithms – Understand supervised and unsupervised learning, regression, classification, clustering, and ensemble methods using Scikit-learn.
  3. Deep Learning and Neural Networks – Master TensorFlow, Keras, and PyTorch to build neural networks for image recognition, natural language processing (NLP), and other AI applications.
  4. Computer Vision and Image Processing – Work with OpenCV, YOLO, and convolutional neural networks (CNNs) for tasks like object detection, facial recognition, and medical imaging.
  5. Natural Language Processing (NLP) – Learn text analytics, sentiment analysis, chatbot development, and language modelling using NLTK, SpaCy, and BERT.
  6. Big Data and Cloud AI – Work with Hadoop, Spark, Google AI, AWS AI, and Azure ML to scale AI solutions.
  7. Reinforcement Learning and AI Agents – Explore self-learning AI systems using OpenAI Gym and deep Q-learning techniques.

8. AI Ethics and Explainability – Learn about bias in AI, ethical AI deployment, and model interpretability using SHAP and LIME.
9. Time Series Forecasting – Master models like ARIMA and LSTMs for predicting future trends.
10. MLOps and AI Deployment – Deploy AI models using Flask, FastAPI, and Docker, and integrate them into real-world applications.

- **Who Should Enroll? This program is ideal for:**
  1. Aspiring AI and ML engineers, data scientists, and AI researchers
  2. Software developers and IT professionals looking to upskill in AI and ML
  3. Business analysts and product managers seeking to implement AI in business strategies
  4. Students and freshers looking to build a career in AI-driven industries

- **Program Details:**
  1. Duration: 12 to 14 months
  2. Class Modes: Online or Classroom
  3. Contact: 09399200960
  4. Website: https://bignalytics.in/

Question 11: Roadmap to Your Success – Bignalytics Program Structure

Level 1: Python Programming (DA, DS, and AI)

- Introduction to Python
- Data Types and Variables
- Control Structures (if, else, loops)
- Functions and Modules
- Exception Handling
- File Handling
- Data Structures (Lists, Tuples, Dictionaries)
- Object-Oriented Programming (Classes and Objects)
- Error Handling and Debugging
- Python Best Practices and Code Optimization
- Project Work and Assignments

Level 2: Data Visualization and Exploratory Data Analysis (EDA) (DA, DS, and AI)

- Introduction to Data Visualization
- Data Visualization Principles and Best Practices
- Exploratory Data Analysis (EDA) with Python Libraries
- Creating Basic Visualizations with Matplotlib
- Advanced Data Visualization with Seaborn
- Introduction to Power BI for Data Visualization
- Connecting Data Sources to Power BI
- Building Basic Visualizations in Power BI
- Creating Interactive Dashboards in Power BI
- Data Transformation and Modeling in Power BI
- Advanced Visualizations in Power BI
- Introduction to DAX
- Combining Python Code with Power BI (Python Visualization)
- Sharing, Publishing, and Collaborating with Power BI Services
- Project Work and Assignments

Level 3: Advanced Excel for Business (DA, DS, and AI)

- Navigation, Cells, Ranges, and Formatting
- Formulas: SUM, AVERAGE, COUNT, IF, VLOOKUP
- Sorting, Filtering, and Freezing Panes
- Applying Colour Scales, Data Bars, and Icon Sets
- Pivot Tables and Pivot Charts
- Advanced Formulas: INDEX-MATCH, OFFSET, and Array Formulas

- Importing, Transforming, and Cleaning Data
- Managing Large Datasets and Creating Data Models
- Dynamic Charts, Sparklines, and Dashboards

Level 4: Business Implementation of Statistics (DA, DS, and AI)

- Descriptive vs. Inferential Statistics
- Data Types and Scales of Measurement
- Measures of Central Tendency (Mean, Median, Mode)
- Measures of Variability (Variance, Standard Deviation, Range)
- Probability Basics and Distributions (Normal, Binomial, Poisson)
- Sampling Techniques and Sampling Distributions
- Confidence Intervals and Margin of Error
- Hypothesis Testing (Null and Alternative Hypotheses)
- p-Values and Significance Levels
- Types of Errors (Type I and Type II Errors)
- Chi-Square Tests for Categorical Data
- Correlation vs. Causation
- Project Work and Assignments

Level 5: SQL and Python for Effective Data Analysis (DA, DS, and AI)

- Introduction to SQL and Relational Databases
- Basic SQL Syntax (SELECT, FROM, WHERE)
- Sorting and Filtering Data (ORDER BY, WHERE)
- Data Aggregation (GROUP BY, HAVING)
- Table Joins (INNER JOIN, LEFT JOIN)
- Subqueries and Nested Queries
- Data Modification (INSERT, UPDATE, DELETE)
- Creating and Modifying Tables (CREATE, ALTER)
- Indexing and Optimization
- Introduction to Python Database APIs
- Fetching and Manipulating Data in Python
- Real-World Applications of SQL and Python
- Project Work and Assignments

Level 6: Unsupervised Machine Learning (DS and AI only)

- Introduction to Unsupervised Learning
- Clustering Algorithms (K-Means, Hierarchical, DBSCAN)
- Dimensionality Reduction (PCA, T-SNE)
- Feature Scaling and Standardization

- Hierarchical Clustering and Dendrograms
- Density-Based Clustering (DBSCAN)
- Evaluation Metrics for Clustering
- Real-World Applications of Unsupervised Learning
- Project Work and Assignments

Level 7: Supervised Machine Learning (DS and AI only)

- Introduction to Supervised Learning
- Types of Supervised Learning (Classification and Regression)
- Linear and Logistic Regression
- Decision Trees and Random Forests
- Support Vector Machines (SVM)
- K-Nearest Neighbors (KNN)
- Naive Bayes Classifier
- Gradient Boosting (e.g., XGBoost)
- Model Evaluation Metrics
- Data Preprocessing and Feature Engineering
- Overfitting and Regularization
- Hyperparameter Tuning
- Real-World Applications of Supervised Learning
- Project Work and Assignments

Level 8: Deployment of Machine Learning Models (AI only)

- Git and GitHub for Version Control
- AWS Cloud Deployment
- Flask and Django Web Frameworks
- RESTful API Development
- Docker Containerization
- CI/CD Pipelines
- Model Versioning Strategies
- Model Performance Monitoring
- Scalability in Cloud Environments
- Project Work and Assignments

Level 9: Advanced Deep Learning and Natural Language Processing (AI only)

- Introduction to Deep Learning
- Neural Network Fundamentals
- Introduction to Natural Language Processing (NLP)
- Text Preprocessing Techniques

- Word Embeddings (Word2Vec, GloVe)
- LSTM Networks and Sequence Modeling
- Text Classification with LSTM
- Sentiment Analysis with LSTM
- Named Entity Recognition (NER)
- Sequence-to-Sequence Models (Seq2Seq)
- Attention Mechanisms in NLP
- Transformers and Hugging Face Models
- GPT-3.5 and Advanced Language Models (LLMs)
- NLP Model Assessment and Evaluation Techniques
- Project Work and Assignments

Level 10: Job Placement Toolkit and Support (DA, DS, and AI)

- Resume Building and Optimization
- Best Practices for CV and Online Profiles
- LinkedIn Profile Optimization
- Naukri.com Profile Enhancement
- Interview Preparation Guide
- Interview Question Bank
- Technical Interviews and Coding Challenges
- Mock Interviews and Practice Sessions
- Peer Networking Strategies
- Negotiating Data Science Job Offers

Question 12: What about the Placement?

1. **How many students got placed?**
   - 32 students successfully secured placements.

2. **Which job roles did they get placed in?**
   - Engineer
   - Data Scientist
   - Python Developer
   - Data Analyst
   - Business Analyst
   - Data Engineer
   - Software Developer
   - MIS Executive
   - Project Manager (Analytics)
   - Senior Consultant (Business Analytics)
   - Senior Business Analyst
   - Software Trainer
   - Data Science (Gen AI Engineer)

3. **students got placed as AI Engineers?**
   - Nishika Pandey, SmartGig, Hyderabad – 5.79 LPA
   - Vanshita Vani, Hiteshi Infotech – Salary Not Mentioned

4. **How many students got placed as Data Scientists?**
   - Ankur Joshi, GenioTal Pvt Ltd / MorcYeahs – 5 LPA
   - Mayank Jain, MapMyIndia, Bangalore – 3.5 LPA
   - Aditya Desai, Infomiez Technologies – Salary Not Mentioned
   - Pooja Jaiswal, C9 Lab – Salary Not Mentioned
   - Parth Prajapat, BrainSight AI / Ipangram, Surat – Salary Not Mentioned
   - Janhavi Pandit, AIC Prestige – Salary Not Mentioned
   - Harshit Chourasiya, Self-employed – Salary Not Mentioned

5. **How many students got placed as Python Developers?**
   - Mufaddal Sethwala, Company Not Mentioned – 4 LPA
   - Prateek Choukikar, D3V Technology, Hyderabad – 3 LPA

6. **How many students got placed as Data Analysts?**
   - Dhruv Pahuja, Kiyarl Group – 3 LPA
   - Anbhav Adhar, Agarwal Metals – 4.2 LPA
   - Harsh Rathore, Blu Moon Universal Pvt Ltd – 3.65 LPA

- Tajeshwar Solanki, Innovel Energy Services Pvt Ltd – Salary Not Mentioned
- Niranjan Karandikar, WM Universal Solutions India – 9.8 LPA
- Harshit Chourasiya, Self-employed – Salary Not Mentioned
- Janhavi Pandit, AIC Prestige – Salary Not Mentioned

7. **How many students got placed as Business Analysts?**
   - Gaurav Sakar Yen, Ascendum Solutions – 7 LPA
   - Suraj Sakariya, Ascendion Solutions – 7 LPA
   - Shubham Rathore, Shriram Life Insurance – 4 LPA
   - Arpit Bha, Jainson Infotech – 3.24 LPA

8. **How many students got placed as Senior Business Analysts?**
   - Ishan Pandya, Nice Acmize – 150%+ hike

9. **How many students got placed as Software Developers?**
   - Chetan Sahu, ExpertINASIA Pvt Ltd – Salary Not Mentioned
   - Nancy Shrivastava, Tata Consultancy Services (TCS) – Salary Not Mentioned

10. **How many students got placed as Data Engineers?**
    - Arpit Sahu, ZeeData Technology – Salary Not Mentioned

11. **How many students got placed as MIS Executives?**
    - Rajni Bhadoriya, Green Energy Pvt Ltd – Salary Not Mentioned

12. **How many students got placed as Project Managers (Analytics)?**
    - Aman Jain, Indus Tower – 4.35 LPA

13. **How many students got placed as Senior Consultants (Business Analytics)?**
    - Satej Panditrao, Amnex Infotechnologies – 100%+ hike

14. **How many students got placed as Software Trainers?**
    - Anjan Sarkar, AU Software Enterprise – 3 LPA

15. **How many students got placed as Data Science (Gen AI Engineers)?**
    - Janhavi Pandit, AIC Prestige – Salary