Data Science Top Level Process

- **Load the data**
  The first stage is to load the data set to be analyzed into system

- **Data Exploration**
  Explore the loaded data to gain insights into its structure, content, and statistical properties .

- **Data Cleaning and Preprocessing Preprocess the data to handle missing values, outliers, or inconsistent formats**

- **Data Analysis**
  Perform data analysis tasks to derive insights and answer specific questions about the data

- **Data Visualization**
  visualize the data to communicate insights effectively.

Training Duration :24 hours

Course Fee: 15,000/-

Batch start date : 23rd Sept 2023

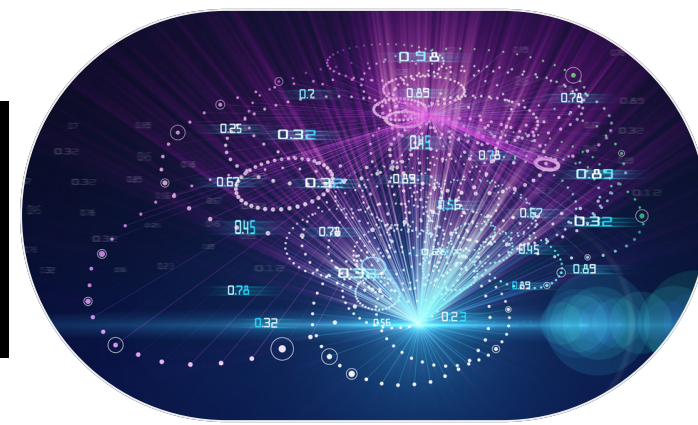batch timing: 10am to 2 pm Saturday and Sunday

Registration link :
https://forms.gle/vDFy4bqj7wQ8q3Ut5

❤ **Contact Us**

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SKILL Gym

E & C / I&T IIT Guwahati

In association with E&ICT Academy IIT Guwahati, we, at SkillGym, arelaunching a live virtual program on data science using the Python Panda Library that will show and assist in effectively and efficiently analyzing, manipulating, and processing data in order to obtain insightful conclusions and make wise judgements.

📢 Would you like to be in the data revolution that will enable organizations to leverage the power of data, obtain insightful knowledge, and make data-driven decisions? As it has the power to transform businesses, spur innovation, improve customer experiences.

💡 Are you a techie and would like to know how to use Technology to solve   real world problems in data revolution ?

⚙ Are you passionate about learning how to effectively use Panda library in Python to gather insights from data for making informed data driven decision , But do not know from where to start

APPLICATION OF DATA SCIENCE USING PANDAS

DATA SCIENCE

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Topics Covered

Basic Python	Panda Basic and Data exploration	Python Data Analysis	Python Data Visualization
• Introduction to Python • Python Installation • Variables and operators in Python • Loops in Python • Python Tuple • Python List • Python Set • Python Dictionar • Python File handling • Python Functions	• Introduction to panda and its features • Installing pada with pip • Series and Data Frame data structures • Data indexing and slicing • Data loading and basic analysis with Pandas • Data cleaning: handling missing and duplicate values. • Data filtering and selection • Data aggregation and grouping	• Data merging and joining • Pivoting data with the pivot_table() function • Stacking and unstacking data with the stack() and unstack() functions. • Transposing data with the transpose() function • Merging and joining datasets • Transforming data • Handling large Data set using pandas	• Data exploration: descriptive statistics and data visualization • Time series analysis: working with dates and time in Pandas. • Data visualization: plotting with Pandas. • Data transformation: pivoting and melting data