Schedule of ATAL BASIC OFFLINE FDP

FDP Application Number : 1741180773
Title of the FDP: Data Science & Analytics for Decision Making: Tools & Techniques
FDP Start Date : 15/12/2025   **FDP End Date:** 20/12/2025

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
9:00 – 9:30 **Inauguration**	**Descriptive Analytics & Data Visualization**	**Inferential Analytics & Hypothesis Testing**	**Predictive Analytics & Regression Analysis**	**Industrial Visit & Predictive Analytics Applications**	**Data-Driven Decision Making & Valedictory**
9:30 – 12:00 **Session 1** 1. **Name of the Expert :** Mr. Gouriprasad M 2. **Designation :** Program Director-Data Analytics 3. **Organization:** YASH Technologies, Hyderabad 4. **Experience in Years:** 20 5. **Topic to be taught:** Data Science from an Industry Lens	**9:30 – 12:00** **Session 3** 1. **Name of the Expert :** Dr. Ramalingaswamy Cheruku 2. **Designation :** Assistant Professor(Gr-I), Department of CSE 3. **Organization:** NIT Warangal 4. **Experience in Years:** 14 5. **Topic to be taught:** Descriptive Statistics & Exploratory Data Analysis	**9:30 – 12:00** **Session 5** 1. **Name of the Expert :** Dr. Kolla Morarjee 2. **Designation** : Associate Professor, Department of CSE 3. **Organization:** CBIT 4. **Experience in Years:** 23 5. **Topic to be taught:** Introduction to Predictive Analytics & Regression Models	**9:30 – 12:00** **Session 7** 1. **Name of the Expert :** Prof. Niraj Upadhayaya 2. **Designation :** Professor, Department of CSE 3. **Organization:** SRM University 4. **Experience in Years:** 35 5. **Topic to be taught:** Fundamentals of Inferential Statistics & Probability Distributions	**9:00 – 1:00** **Industrial visit** 1. **Name of the Organization:** T-hub 2. **Complete address with pincode :** Plotno 1/c, sy no 83/1, Raidurgam panmaktha, Hyderabad knowledge city, serilingampally, Hyderabad- 500081 3. **Industry Type:** Technology Sector 4. **Area of specification :** R&D, Innovation & enterpreneurship	**9:30 – 12:00** **Session 10** 1. **Name of the Expert :** Mr. Allam Narasinga Rao 2. **Designation :** Vice President 3. **Organization:** Wells Fargo 4. **Experience in Years:** 17 5. **Topic to be taught:** Data-Driven Strategies for Business and Research
12:00 – 1:00 **Introduction to Data Science & Analytics** 1.Title of the Research Paper : *Data to Decision-Making: An Analysis of Business Analytics Applications* 2. Name of the journal: *International Journal of Communication Networks and Information Security* 3. Year of Publication: *2024*	**12:00 – 1:00** **Descriptive Analytics & Data Visualization** 1.Title of the Research Paper : *A Comprehensive Review of Data Visualization Tools: Features, Strengths, and Weaknesses* 2. Name of the journal: *International Journal of Computer Engineering in Research Trends* 3. Year of Publication: *2023*	**12:00 – 1:00** **Inferential Analytics & Hypothesis Testing** 1.Title of the Research Paper : *Understanding The Evolution of Data Visualization Techniques: From Static to Dynamic Visualizations* 2. Name of the journal: *International Journal of Advanced Research in Computer and Communication Engineering* 3. Year of Publication: *2024*	**12:00 – 1:00** **Predictive Analytics & Regression Analysis** 1.Title of the Research Paper : *Predictive Modeling in Data Science: Techniques and Applications* 2. Name of the journal: *Journal of Data Science and Analytics* 3. Year of Publication: *2022*		**12:00 – 1:00** **Article Summary** *Participants summarize key learnings from the research articles discussed throughout the FDP.*
1:00 – 2:00 Lunch	**1:00 – 2:00 Lunch**	**1:00 – 2:00 Lunch**	**1:00 – 2:00 Lunch**	**1:00 – 2:00 Lunch**	**1:00 – 2:00 Lunch**
2:00 – 4:30 **Session 2** 1. **Name of the Expert :** Dr. S Viswanadha Raju 2. **Designation :** Senior Professor & Principal 3. **Organization:** *JNTUH UCE, Sultanpur* 4. **Experience in Years:** *28* 5. **Topic to be taught:** *Basics of Data Collection, Cleaning, and Preprocessing*	**2:00 – 4:30** **Session 4** 1. **Name of the Expert :** Dr. Ramalingaswamy Cheruku 2. **Designation :** *Assistant Professor(Gr-I), Department of CSE* 3. **Organization:** *NIT Warangal* 4. **Experience in Years:** *14* 5. **Topic to be taught:** *Data Visualization Techniques & Storytelling with Data*	**2:00 – 4:30** **Session 6** 1. **Name of the Expert :** Mr Baradwaj Arvapally 2. **Designation** : *Founder* 3. **Organization:** ABTechVille 4. **Experience in Years:** 12 5. **Topic to be taught:** *Hypothesis Testing and Its Application in Analytics*	**2:00 – 4:30** **Session 8** 1. **Name of the Expert :** Dr. S Viswanadha Raju 2. **Designation :** Senior Professor & Principal 3. **Organization:** *JNTUH UCE, Sultanpur* 4. **Experience in Years:** *28* 5. **Topic to be taught:** *Linear & Logistic Regression for Decision Making*	**2:00 – 4:30** **Session 9** 1. **Name of the Expert :** Mr.Sanjay Shinde 2. **Designation :** Senior Consultant 3. **Organization:** *Deloitte* 4. **Experience in Years:** *10* 5. **Topic to be taught:** *Applications of Predictive Analytics in Industry*	**2:00 – 4:00** **MCQ & Reflection Journal**
4:30 – 5:30 **Hands on training/Labs** *Basics of Data Collection, Cleaning, and Preprocessing*	**4:30 – 5:30** **Hands on training/Labs** *Creating Interactive Dashboards and Data Reports*	**4:30 – 5:30** **Hands on training/Labs** *Conducting Hypothesis Testing with Real Datasets*	**4:30 – 5:30** **Hands on training/Labs** *Building Regression Models with Real Data*	**4:30 – 5:30** **Hands on training/Labs** *Working with Industrial Data for Predictive Modeling*	**4:00 – 5:00** **Valedictory Session**