EXECUTIVE PROGRAM IN DATA-DRIVEN DECISION MAKING– A PROGRAM ON EMERGING TECHNOLOGIES

A 5-Day Executive Course on learning the Emerging Technologies, Extracting Insights and Inferences from Data.

LEARNING OUTCOMES

DAY 1

APPLICATIONS OF EMERGING TECHNOLOGIES

Data Analytics, Machine Learning, Computer Vision, Natural Language Processing, Blockchain, Drone tech, IoT, AR-VR and Robotic Process Automations

EMERGING TECHNOLOGIES AS A SOLUTION ACROSS SECTORS

- Discussion on each Data Analytics Component
- CRISP-DM Framework
- Data Analytics Maturity Framework

PRUDENT USES OF TECHNOLOGIES & UNDERSTANDING LIMITATIONS

- Case studies from Govt. bodies
- Discussion & identifying areas where technologies can be used
- Data Visualization using Visualisation Tools (Tableau, Power BI, etc.)
- Hands-on Demo & practice

ADDITIONAL INFORMATION:

ABOUT WITP

Our primary aim is to mainstream emerging technologies in the government operations across India. We do this by empowering policymakers to develop their executive-level understanding of Emerging Technologies and possess the ability to build frameworks to execute related initiatives.

BENEFITS TO THE PARTICIPANTS:

Learn to draft ad make better policies with Emerging Technologies for Governance
Latest & Most Relevant Courses with Experts
Earn Certification and share competence on social platforms

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DAY 2

DEVELOP AN ABILITY TO ASSESS WHETHER POLICY INTERVENTIONS HAVE STATISTICALLY SIGNIFICANT IMPACT

- Statistical Analysis
- Hypothesis Testing - I:
  - Need for hypothesis testing
  - Types of hypothesis tests

STATISTICAL ANALYSIS FOR DECISION MAKING

- Hypothesis Testing - II:
- Introduction to Parametric tests
- Making decision in real life scenarios using hypothesis testing
- Exercises

ADDITIONAL INFORMATION:

WATCH OUR LATEST VIDEOS ON:

Wadhwani Institute of Technology & Policy is excited to share a series of introductory Videos on:

Emerging Technologies

Weekly new video on one emerging technology!
So watch out for this space and subscribe to our YouTube channel!

GET STARTED

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LEARNING OUTCOMES
DAY 4

CONDUCT DETAILED VISUAL ANALYSIS ON DATA TO FIND PATTERNS AND MAKE DATA DRIVEN DECISIONS

- Enhanced Decision Making with Data
- Dashboards for interactive visualisation
- Forecasting and Decision making with Data
- In-Class Project

CONDUCT DETAILED VISUAL ANALYSIS ON DATA TO FIND PATTERNS AND MAKE DATA DRIVEN DECISIONS

- Overview of Machine Learning (ML)
- What is Machine Learning?
- What can ML do and can it not do?
- Types of Machine Learning
- Understanding of the ML cycle
- Use cases of applications of Machine Learning
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LEARNING OUTCOMES DAY 5

MAKE PREDICTIONS USING MACHINE LEARNING AND UNDERSTAND THE PROCESS, APPLICABILITY AND COMMON PITFALLS OF MACHINE LEARNING

- Mapping ML Algorithms to problems
- Discussion on popular ML algorithms
- Understanding the suitability of different ML algorithms for various problems
- Demo of making predictions using ML Algorithms

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