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JAGSoM JAGDISH SHETH SCHOOL OF MANAGEMENT   AACSB ACCREDITED

JSPD215 : Managerial Decision Making

Faculty	Dr. Supriyo Ghose, Dr. Tuhin Chattopadhyay, Prof. Madhuri Prabhala

CREDITS – 3

Course workload

Using the table below, indicate the expected student workload for this Course.

Contact Hours	Group Work/ Supervised Learning Hours	Directed Learning Hours	Total Hours
30	15	45	90

Learning Outcomes for the Course

- Apply basics of decision making to defining a decision problem and generating alternatives and choosing a viable alternative.
- Use descriptive statistics and Normal distribution and its applications.
- Use different tools for data visualization and generate viable decisions using statistical methods and data visualization.
- Formulate problems from real-life using analytical approach.
- Differentiate between different types of sampling and apply them using appropriate tools.
- Use simple modelling and predictive analytics using appropriate automated tools.
- Generate hypothesis, test and enable making appropriate decisions making through different types of non-parametric tests.

TOPICS COVERED

- Setting the Context of Decision Making
- Some fundamental models of decision making – optimizing, bounded rationality, satisficing
- Role of data in decision making, probability concepts.
- Normal distribution and its applications in decision making
- Decision Making under Certainly, Uncertainty and Risk
- Sample vs Population, Sampling methods and theory.
- Creating a random sample from data
- Confidence Interval for mean & proportion.
- Hypothesis testing – Single sample tests, understanding bivariate and multivariate data
- Creating visualizations of bivariate data
- Understanding Correlation and Regression, drawing inferences from Regression

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