



**INTERNATIONAL MANAGEMENT INSTITUTE  
BHUBANESWAR**

**POST GRADUATE DIPLOMA IN MANAGEMENT (PGDM)  
MARKETING RESEARCH (MK602)  
CREDIT: 3 CREDITS  
SESSION DURATION: 60 Minutes**

TERM: V  
ACADEMIC YEAR: 2021-2022  
BATCH: PGDM (2020-22)

**FACULTY:** Dr. Manit Mishra  
**Telephone:** +91 8658988485  
**E-Mail:** [manit.mishra@imibh.edu.in](mailto:manit.mishra@imibh.edu.in)  
**Office hours:** 9.30 AM – 5.30 PM

**Course Introduction:**

Marketing research has gained prominence over the years as an integral and initiating component of the marketing process. As consumers are getting spoilt for choices and product life cycles are shrinking by the day, the margin for error by marketer in deciphering consumption behavior is decreasing. A robust marketing research process acts as a bridge between marketer and consumers. It assesses manager's information needs and provides management with relevant, accurate, reliable, valid and current information to aid marketing decision making. Companies using marketing research judiciously stay competitive and are able to avoid incurring high costs of poor decisions based on unsound information.

**Learning Outcomes:**

The following are the learning outcomes of the course:

1. To gain in-depth conceptual understanding of methods of data analysis (L01).
2. To be able to relate management problem, research problem and relevant technique of statistical analysis (L02).
3. To gain proficiency in operating statistical analysis tools (SPSS and Excel) (L03).
4. To gain proficiency in generating consumer insights out of marketing research (L04).

**Course Pedagogy:**

The sessions will be a blend of interactive lectures, case analysis and data analysis using relevant techniques & tools. Students are expected to bring Laptop and use the software SPSS/Excel for analysis.

**Course Readings:**

1. Nargundkar, Rajendra (2003). *Marketing Research: Test and Cases*, 2<sup>nd</sup> Edition. Tata McGraw Hill Education [RN]
2. Malhotra, N.K. (2019). *Marketing Research: An Applied Orientation*, 7<sup>th</sup> Edition. Pearson Education. [NM]
3. Rajagopal (2019). *Qualitative Marketing Research: Understanding How Behavioral Complexities Drive Marketing Strategies*. Business Expert Press [R]
3. Hair, Jr., J. F., Black, W. C., Babin, B. J., Anderson, R. E., and Tatham, R. L. (2006). *Multivariate Data Analysis*, (6<sup>th</sup> Edition). Pearson Education, New Delhi.
4. Chawla, D. and Sondhi, N. (2011). *Research Methodology: Concepts and Cases*. Vikas Publications.

**Course Evaluation criteria:**

Component	Weight	Learning Outcomes
Class participation	10%	LO1, LO2, LO3, LO4
Quiz	20%	LO1, LO2
Field project* (Questionnaire designing & sample size = 10%; Analysis & report = 10%; Managerial implications = 5%; Communication and project defense = 5%)	30%	LO2, LO3, LO4
End-term	40%	LO1, LO2, LO3
<b>Total</b>	<b>100%</b>	

\*Project details: It is a group project. Students are expected to use all the knowledge and training being given in the classroom to unearth insight from the market. The objective is to provide the students a platform for getting hands-on experience on application of marketing research to aid managerial decision-making.

The project can be undertaken in the following areas by using relevant marketing research techniques:

Project Area	Marketing Research Technique
Customer Satisfaction Survey	Multiple Regression Analysis
New Product Development	Conjoint Analysis
Market Segmentation Analysis	Cluster Analysis
Consumer Research	Multiple Discriminant Analysis
Brand Research	Multi-Dimensional Scaling
Advertising Research	Exploratory Factor Analysis

**Plagiarism**

We are committed to upholding the highest standards of academic integrity and honesty. Plagiarism is the use of or presentation of ideas, works that are not one's own and which are not common knowledge, without granting credit to the originator. You may refer the already available content just for your reference and to get the basic ideas. Only 20% of such content is acceptable, above that comes under the definition of Plagiarism which is unacceptable in IMI and will be treated seriously. All such cases will be referred to the appropriate body of the Institute for suitable disciplinary action.

**Running case:**

1. IBM – The world's top provider of computer hardware, software, and services.
2. HP: Using Marketing Research to Gain a Competitive Edge

**Session Plan:**

#	Topic	Learning Outcomes	Reading
1-3.	<b>Introduction to marketing research</b> ❖ Defining the marketing research problem ❖ Research design ❖ Classification of multivariate techniques	LO – 1 LO – 2 LO – 3 LO – 4	<b>Textbooks:</b> Ch. 1-3 [RN]; Ch. 1-12 [NM] <b>RM:</b> • Marketing research in the new millennium: Emerging issues and trends • An approach to mastering the marketing mix
	<b>Univariate and bivariate analysis</b> ❖ Frequency distribution, Statistics		<b>Textbooks:</b> Ch. 8 [RN]; Ch. 15 [NM]

	<ul style="list-style-type: none"> <li>❖ associated with frequency distribution</li> </ul> <p>Cross-tabulation: Two variable &amp; three variable; Chi-square</p>		<p><b>Ex.:</b> Running case.</p> <ul style="list-style-type: none"> <li>• Nike</li> </ul>
4-6.	<p><b>ANOVA and ANCOVA</b></p> <ul style="list-style-type: none"> <li>❖ Hypothesis testing related to differences</li> <li>❖ Analysis of variance: One-way &amp; two-way</li> <li>❖ Interaction effect</li> <li>❖ Analysis of covariance</li> </ul>	<p>LO – 1 LO – 2 LO – 3 LO – 4</p>	<p><b>Textbooks:</b> Ch. 9 [RN]; Ch. 16 [NM]</p> <p><b>RM:</b> A Hong Kong study of advertising credibility.</p> <p><b>Ex.:</b></p> <ul style="list-style-type: none"> <li>• Running case.</li> <li>• Internet usage</li> <li>• Promotion</li> </ul>
7-8.	<p><b>Multiple Regression Analysis</b></p> <ul style="list-style-type: none"> <li>❖ Objectives; Research design</li> <li>❖ Assumptions (Linearity; Homoscedasticity; Normality)</li> <li>❖ Estimating regression model &amp; assessing fit (<math>R^2</math> &amp; adjusted <math>R^2</math>)</li> <li>❖ Interpretation (Regression coefficient; Multicollinearity)</li> </ul>	<p>LO – 1 LO – 2 LO – 3 LO – 4</p>	<p><b>Textbooks:</b> Ch. 10 [RN]; Ch. 17 [NM]</p> <p><b>Ex.:</b></p> <ul style="list-style-type: none"> <li>• HBAT.</li> </ul> <p><b>RM:</b></p> <ul style="list-style-type: none"> <li>• Customers' attitude towards technology-based services provided by select Indian banks</li> </ul>
	<p><b>Market application: Multiple Regression Analysis</b></p> <ul style="list-style-type: none"> <li>❖ Customer satisfaction surveys</li> <li>❖ Measuring service quality</li> </ul>		<p><b>Ex.:</b></p> <ul style="list-style-type: none"> <li>• Running case</li> </ul>
9-12.	<p><b>Conjoint Analysis</b></p> <ul style="list-style-type: none"> <li>❖ Objectives</li> <li>❖ Research design (Stimuli; Factors; Levels)</li> <li>❖ Assumptions</li> <li>❖ Dummy variable regression</li> <li>❖ Estimating conjoint model &amp; assessing fit (Part-worth estimation)</li> <li>❖ Interpretation (Utility); Validation</li> </ul>	<p>LO – 1 LO – 2 LO – 3 LO – 4</p>	<p><b>Textbooks:</b> Ch. 15 [RN]; Ch. 21 [NM]</p> <p><b>RM:</b></p> <ul style="list-style-type: none"> <li>• Conjoint Analysis (p. 648-652 of CS)</li> <li>• The potential of converged mobile telecommunication services: A conjoint analysis.</li> </ul> <p><b>Ex.:</b></p> <ul style="list-style-type: none"> <li>• Practice data.</li> </ul>
	<p><b>Market application: Conjoint Analysis</b></p> <ul style="list-style-type: none"> <li>❖ Product research process</li> <li>❖ Concept testing</li> </ul>		<p><b>Ex.:</b></p> <ul style="list-style-type: none"> <li>• Sneakers.</li> </ul>
13-15.	<p><b>Exploratory Factor Analysis (EFA)</b></p> <ul style="list-style-type: none"> <li>❖ Objectives</li> <li>❖ Research design</li> <li>❖ Assumptions</li> <li>❖ Deriving the factors &amp; assessing overall fit (Principle components analysis)</li> <li>❖ Interpreting the factors (VARIMAX rotation)</li> <li>❖ Validation; Additional uses (Factor scores; Summated scales)</li> </ul>	<p>LO – 1 LO – 2 LO – 3 LO – 4</p>	<p><b>Textbooks:</b> Ch. 12 [RN]; Ch. 19 [NM]</p> <p><b>RM:</b></p> <ul style="list-style-type: none"> <li>• Benefit segmentation by factor analysis: An improved method of targeting customers for financial services.</li> <li>• How to identify psychographic segments: Part 1.</li> </ul> <p><b>Ex.:</b></p> <ul style="list-style-type: none"> <li>• HBAT</li> </ul> <p>Running Case.</p>
	<p><b>Market application: Exploratory Factor Analysis</b></p> <ul style="list-style-type: none"> <li>❖ Advertising research</li> <li>❖ Sales promotion research</li> </ul>		<p><b>RM:</b></p> <ul style="list-style-type: none"> <li>• Customers' attitude towards technology-based services provided by select Indian banks</li> </ul> <p><b>Ex.:</b></p> <p>Case: Jet Airways.</p>
16-18.	<p><b>Discriminant Analysis</b></p> <ul style="list-style-type: none"> <li>❖ Objectives</li> <li>❖ Research design; Assumptions</li> <li>❖ Estimation of the discriminant model &amp; assessing overall fit (Wilks' lambda)</li> </ul>	<p>LO – 1 LO – 2 LO – 3 LO – 4</p>	<p><b>Textbooks:</b> Ch. 11 [RN]; Ch. 18 [NM]</p> <p><b>RM:</b></p> <ul style="list-style-type: none"> <li>• How to identify psychographic segments: Part 2.</li> </ul> <p><b>Ex.:</b></p>

	<ul style="list-style-type: none"> <li>❖ Interpretation of the results (Discriminant function; Discriminant loadings)</li> <li>❖ Validation of the results</li> </ul>		<ul style="list-style-type: none"> <li>• HBAT.</li> </ul>
	<b>Market application: Discriminant Analysis</b> <ul style="list-style-type: none"> <li>❖ Shopper behavior assessment</li> <li>❖ Factors influencing purchase decision</li> </ul>		<b>Case:</b> <b>Ex.:</b> Resort visit.
19-21.	<b>Cluster Analysis</b> <ul style="list-style-type: none"> <li>❖ Objectives</li> <li>❖ Research design; Assumptions</li> <li>❖ Deriving clusters &amp; assessing overall fit (Cluster variate; Clustering algorithm; Ward's method; Dendrogram)</li> <li>❖ Interpretation of the clusters</li> <li>❖ Validation &amp; profiling of the clusters</li> </ul>	LO - 1 LO - 2 LO - 4	<b>Textbooks:</b> Ch. 13 [RN]; Ch. 20 [NM] <b>RM:</b> <ul style="list-style-type: none"> <li>• A multivariate segmentation model of senior consumers.</li> <li>• How to identify psychographic segments: Part 1.</li> </ul> <b>Ex.:</b> HBAT; Brands.
	<b>Market application: Cluster Analysis</b> <ul style="list-style-type: none"> <li>❖ Market segmentation</li> </ul>		<b>Ex.:</b> Shopping. <b>Case:</b> Godrej
22-24.	<b>Data analysis: Multi-Dimensional Scaling (MDS)</b> <ul style="list-style-type: none"> <li>❖ Objectives</li> <li>❖ Research design (Data input; Attribute based perceptual mapping; Attribute-free perceptual mapping)</li> <li>❖ Deriving the MDS solution &amp; assessing overall fit (Calculating stress)</li> <li>❖ Interpreting the perceptual map (Identifying dimensions)</li> <li>❖ Validation</li> </ul>	LO - 1 LO - 2 LO - 4	<b>Textbooks:</b> Ch. 14 [RN]; Ch. 21 [NM] <b>RM:</b> <ul style="list-style-type: none"> <li>• Identifying the dimensions to retail center image</li> </ul> <b>Ex.:</b> <ul style="list-style-type: none"> <li>• Brands.</li> </ul>
	<b>Market application: Multi-Dimensional Scaling</b> <ul style="list-style-type: none"> <li>❖ Brand positioning</li> </ul>		<b>Ex.:</b> <ul style="list-style-type: none"> <li>• Toothpaste.</li> </ul>
25-26.	<b>Qualitative research</b> <ul style="list-style-type: none"> <li>❖ Qualitative research techniques</li> <li>❖ Triangulation and Trends</li> </ul>	LO - 1 LO - 2 LO - 4	<b>Textbooks:</b> Ch. 1-5 [R] <b>Ex.:</b> <ul style="list-style-type: none"> <li>• Online analysis.</li> </ul>
27-28.	<b>Pricing research</b>	LO - 1 LO - 2 LO - 4	<b>Ex.:</b> Basic pricing.
29-30.	<b>Content analysis</b> <b>Ethics in marketing research</b>	LO - 2 LO - 4	<b>Textbooks:</b> Ch. 4 [NM] <b>Ex.:</b> <ul style="list-style-type: none"> <li>• Incredible India.</li> <li>• There's nothing like Australia.</li> </ul>
31-32.	<b>Project presentation</b>		