Rayat Shikshan Sanstha.s
KARMAVEER BHAURAO PATIL COLLEGE, VASHI.
NAVI MUMBAI
(**AUTONOMOUS COLLEGE)**
Sector-15 A, Vashi, Navi Mumbai - 400 703

Revised Syllabus for P.G. Programs under the faculty of Arts
COURSE: M.A. IN BUSINESS ECONOMICS

(Choice Based Credit, Grading and Semester System
with effect from the academic year 2021-22)

Introduction:

Research is an activity that directly related to the development. Imbibing research culture, develop critical thinking, data collection and processes, learn and follow the steps of research, follow ethics, rational and realistic interpretation, writing report and presentation of the conclusions and communicate it to stakeholders and concerned authorities for policy making is very important. This course will explore learner to all these skills and techniques for quality research.

Course outcomes: Semester- I
Learners will able to:
1. Understand definition, objectives and significance of research [2]
2. Explain types, process, ethics, methods and methodology of research (4)
3. Executing research from identification of the problem to presentation of the research report.[6]

Course outcome: semester-II
Learners will able to:
1. Understand important statistical techniques required for research and its uses [2]
2. Understand various concepts of Index, various indices, its calculation, interpretation and uses. (2)
3. Understand definition, types and execute sampling in the research [2 & 4]
4. Writing hypothesis, select appropriate test and apply the same [6]

<center>Semester- I</center>
<center>Course – Research Methodology and Statistical Tools for Data Analysis</center>

<center>COURSE CODE: PGCOMON 103A, COURSE CREDIT: 06</center>

<center>Paper -I</center>
<center>Contact Hours 60 + Notional Hours 12= Total hours 72</center>

MODULE – I	**Introduction [15 Hrs.]** 1.1 Research: definition, objectives and significance 1.2 Types of Research 1.3 Research Methods Versus Methodology 1.4 Research Process 1.5 Research Ethics
MODULE – II	**Research Problem and Research Design [15 Hrs]** 2.1 Research Problem: definition, identification and necessity 2.2 Technique involved in defining a problem 2.3 Research Design: Meaning, needs and features 2.4 Important concepts related to research design 2.5 Types of research design

MODULE - III	**Data Collection [15 Hrs.]** 3.1 Primary Data Collection Methods: Observation, Interview, Questionnaires, Schedule, Survey and Experiments. 3.2 Secondary Data Collection Methods: Meaning and various secondary data source 3.3 Selection of Appropriate method for data collection
MODULE - IV	**Interpretation and Rreport Writing [15 Hrs]** 4.1 Meaning, techniques and precaution in interpretation 4.2 Significance of report writing 4.3 Layout and steps in writing report 4.4 Types of report: Technical report, Popular report and oral presentation

Semester- II
Contact Hours 60 + Notional Hours 12= Total hours 72

MODULE - I	**Central Tendency, Correlation and Regression** (15 hours) **1.1** Central Tendency: Mean, Mode and Medium **1.2** Correlation-Meaning and types of correlation, measurement of correlation, Scatter diagram, Karl Pearsonís coefficient of correlation, Spearmanís Rank correlation- Testing of correlation coefficient. **1.3** Regression: Simple regression model-estimation ñ least squares model-Goodness of fit. Introduction to multiple regression.
MODULE - II	**Index Number [15 Hrs]** 2.1 Meaning and classification and problems encountered while constructing index numbers- uses and limitation of index numbers, Methods of constructing index numbers: Simple indices) aggregate method ii) simple average of relative's method, Weighted index: Laspeyerís, Paacheís and Fisherís index and weighted average of relative's method. Limitations of Index Number. 2.2 Concepts of Base shifting, splicing, and deflating, Consumer price index: meaning, need and construction ñ methods: aggregate expenditure method and family budget method.
MODULE - III	**Sampling [15 Hrs.]** 3.1 Meaning and Aims of Sampling 3.2 Characteristics of good Sample 3.3 Sampling Techniques or Methods 3.4 Probability Sampling Methods 3.5 Non-Probability Sampling Methods 3.6 Optimum size of sampling and Advantages and Limitations of Sampling
MODULE - IV	**Hypothesis formulation and Hypothesis Testing (15 Hrs.)** 4.1 Definition, functions of hypothesis and Criteria of workable hypothesis, forms and sources of hypothesis- Testing of Hypothesis 4.2 Null and Alternative Hypotheses, Levels of Significance, critical region, Type I and Type II errors. 4.3 T-test, F-test, X^2 -test

References:

1. C. R. Kothari and Gaurav Garg, Research Methodology, Methods and Techniques, Fourth Multicolour Edition, New Age Publishers, 2019.
2. Goode J. William & Hatt K. Paul, Methods in social Research, New York, McGraw-Hill, 1952.
3. Krishnaswami, O.R &, M. Ranganathan, Methodology of Research in Social Sciences, Himalaya Publishing House, Mumbai, 2011.
4. Kumar, Renjith (2009) Research Methodology: A Step-by-Step Guide for Research, Delhi, Pearson Education, 2009.
5. P. Saravanavel Research Methodology, KitabMahal, Allahabad, 1987. 6) Gupta S P Statistical Methods Sultan Chand and Sons.