



Shri Vile Parle Kelavani Mandal's

**MITHIBAI COLLEGE OF ARTS, CHAUHAN INSTITUTE OF SCIENCE
& AMRUTBEN JIVANLAL COLLEGE OF COMMERCE AND
ECONOMICS
(AUTONOMOUS)**

NAAC Reaccredited "A" grade, CGPA: 3.57,

Granted under FIST-DST & Star College Scheme of DBT, Government of India

**Affiliated to the
University of Mumbai**

Program: M.Phil./Ph.D. Course work

Course: Commerce (Business Policy & Administration)

**Credit Based Semester and Grading System (CBSGS) with effect from
the academic year 2019-20**

Attendance Requirements

Research scholars shall be required to attend all the lectures and participate in journal club activity, guest lectures, seminars, workshops and industrial visit either arranged by the college or by the research centre. The attendance will be as per the rules and regulation as described in examination and evaluation guidelines of the college.

The research scholar shall not be allowed to take up any assignments outside the college during the coursework.

Examination & passing standard

Written as well as practical examination will be conducted by the research centre as given along description of the paper.

All the research scholars admitted to the M.Phil./PhD programme shall be required to complete the coursework prescribed by the Department within first two semesters.

All M. Phil/ Ph.D. scholars has to obtain a minimum of 55% of marks or its equivalent grade in the UGC 7-point scale (or an equivalent grade/CGPA in a point scale) in the coursework in order to be eligible to continue in the programme.

Coursework Exemption and Rules

As per the rules and regulation as described in examination and evaluation guidelines.

N. K. S. S.

Details about the Papers in Coursework

Paper No.	Papers	Total hours	Credits	Total Marks	Mode of assessment
101	Research Methodology	60	3	100	100 marks Examination at the end of course
102	Statistical Analysis and Computer Applications	30	1.5	Compulsory completion	Completion certificate from research guide
103	Ethics and IPR	60	3	100	100 marks Examination at the end of course
	Use of Library	30	1.5		
	Participation and paper presentation in Seminars, Workshops, Conferences/ Journal club/visit to research institute	60	3		

- 1 credit- 20 hours of classroom learning and 30 hours of practical (if any)

Paper-I RESEARCH METHODOLOGY			
Unit number	Particulars	Number of hours	Number of credits
I	1.1 Introduction- Meaning of Research, Concept, Nature of research, Steps, Types, Objectives of research, Significance of research, Criteria of good research	60	3
II	1.2 Research Design and Plan- Meaning of Research Design, Characteristics of good Research Design, Classifications of Research Design, Methods of Research Design- Exploratory Research Designs: Secondary Resource Analysis, Case Study Method, Expert Opinion Survey, Focus group discussions; Descriptive Research Designs: Cross-sectional studies and Longitudinal studies; Experimental designs.		
III	1.3 Research Problems and Hypothesis- Identification of research problem, Formulation of research hypothesis, Importance of hypothesis, Types of research hypothesis, Testing of hypothesis.		
IV	1.4 Sampling, Data Collection and Analysis- Meaning of sampling, Sampling techniques, Sample size, Sampling and non-sampling errors; Importance of data, Collection of primary and secondary data, Methods of data collection: Observation, Questionnaire, Interviews, Simulation, Experimentation, Panel Method, Mail Survey, Experimentation, Projective Technique, Sociometry; Analysis of data based on various tools and its presentation with tables and graphs, statistical tools and techniques of data analysis.		
V	1.5 Report Writing and Evaluation- Structure of the research report- Preliminary section, main report, interpretations of results and suggested recommendations, Reference section of the report, illustrations and tables, bibliography, footnotes.		

Paper-II Statistical Analysis and Computer Applications			
Unit number	Particulars	Number of hours	Number of credits
I	2.1 Statistical Analysis- Measures of central tendency, measures of dispersion, measures of association/ relationship, correlation and regression analysis, hypothesis testing (for proportion and means), test of significance, CHI Square test, Factor analysis.	30	1.5
II	2.2 Computer application- Introduction to MS Excel, Word, Power Point- using formulas and functions.		

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	Hands on SPSS, Features of Statistical Data Analysis, Generating Graphs/ Charts, Writing reports, creating presentations.		
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Paper-III Ethics and IPR			
Unit number	Particulars	Number of hours	Number of credits
I	3.1 Ethics in Research- Meaning of Ethics in Research	60	3
II	3.2 IPR and Patent Law- techniques of writing a patent, Filing Procedure, Technology transfer, Copyright, Royalty, Trade related aspects of intellectual Property Rights.		
III	3.3 Publishing- Design of Research Paper, Citation and acknowledgement, Plagiarism tools, Reproducibility and accountability		

Reading Resources

1. Research Methodology: A guide for Researchers in Agricultural Science, Social Science and other related fields. Pradip kumar Sahu. Springer 2006
2. Ranjit Kumar, 2005 Research Methodology- A step-by-step Guide for beginners, 3rd edition, Sage publications.
3. Fundamentals of Research methodology and statistics- Yogesh Kumar Singh, New Age International Publishers
4. Intellectual Property: The Law of Trademarks, Copyrights, Patents and Trade Secrets. Bouchoux D. 3rdEdn. Delmar Cengage Learning. 2009.
5. Office of the Controller General of Patents, Designs & Trade (CGPDTM): Manual of Geographical Indications Practice and Procedure
6. Office of the Controller General of Patents, Designs & Trade (CGPDTM): Manual of Patent Office Practice and Procedure
7. Office of the Controller General of Patents, Designs & Trade (CGPDTM): Manual of Designs Practice and Procedure
8. Office of the Controller General of Patents, Designs & Trade (CGPDTM): Revised Draft Manual of Trademarks Practice and Procedure
9. WIPO : WIPO Guide To Using Patent Information
10. WIPO : Intellectual Property (IP) Audit
11. WIPO : WIPO Patent Drafting Manual
12. WIPO : The Value of Intellectual Property, Intangible Assets
13. Any other reference sources as recommended by the course instructor.

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