

3.4.1

St Berchmans College Changanacherry ensures the implementation of its stated Code of Ethics for research through the following:

1. Inclusion of research ethics in the research methodology course work

The Scholars who are doing research at St Berchmans college have to do a course work consisting of two spells .In each spell they have to learn two courses .On of the courses that a researcher has to learn in the last spell is based on the topic of the concerned scholar the syllabus of the same is prepared by the Supervising teacher and is based purely on the area of research of the scholar.

Out of the four courses that a researcher has to learn during the course work period, two are Research methodology and Research Ethics related Courses.

Copy of the syllabus

MAHATMA GANDHI UNIVERSITY

Ph.D. COURSE WORK SYLLABUS

Course (1)- Research Methodology

Syllabus Common to the stream : Social Sciences, Management, Commerce, Law and Behavioural Sciences

Unit 1 – Foundations of Research:

A brief history of Social Research – logical positivism, Axiology, Ontology, Positive Epistemology – Logical Preliminaries – Indian and Western Constructivist Paradigm – Transformative Paradigm – Pragmatic paradigm- Merging Paradigms - Phenomenology

Unit 2 - Introduction to Research Methodology

- Meaning and importance of Research – Types of Research – Selection and formulation of Research Problem – Research Design – Ethical issues in Research
-

- Critical Analysis of Literature Review – Hypothesis : Different Types of Hypothesis
- Research Methods; Historical, Institutional, Legal, Philosophical, Comparative, Ethical, Survey, Case study, Content Analysis, experimental Method, Triangulation, Mixed Method Research.

Unit 3 - Data Collection

- Source of Data – Primary, Secondary and Tertiary Data
- Methods of Collecting Data : Observation, Questionnaire, Interview, Attitude Scales, Interest Inventories – Construction and Standardisation.
- Scaling Techniques – Different Types of Scales
- Sampling – Different Types – Sampling Errors – Type I and Type II errors.
- Different Types of Variables.

Unit 4 – Data Analysis & Interpretation

- Classification and Tabulation of Data – Graphical Representation
- Descriptive Analysis : Central Tendency and Dispersion, Coefficient of variation, correlation and Regression Analysis.
- Inferential Analysis: Parametric and Non-parametric tests, T-test, F-test, ANOVA, ANCOVA, Chi-square.

Unit 5 – Report Writing/Project proposal

- Organisation of Research Report – Types, Structure and Components – Contents, Bibliography, Appendices
 - Style Manuals – APA style, MLA style, ASA style, The Chicago Manual of style etc.
 - Evaluation of Research Report
 - Preparing Research papers for journals, seminars and conferences.
-
- Preparation of project proposal – Title, Abstract, Introduction: Rationale, objectives, methodology – Time frame and work plan – Budget and justification – References

Unit 6 – Application of Results and Ethics

Environmental Impacts – Ethical issues – Ethical Committees – Commercialization – copy right, intellectual property rights – Reproduction of published material – accountability,

Unit 7 – Application of Computer in Research

- MS office and its application in Research – MS Word, MS Powerpoint and MS Excel
- Basic principles of Statistical Computation using SPSS
- Use of Internet in Research – Websites, search Engines, E-journal and E-Library – INFLIBNET.

2. **Presence of Ethics committee**

St Berchmans College (Autonomous) has an Ethics Committee constituted as per GO (RT) No.346/05 h Edn dated 1.3.2005. In addition to the same the college has a Research Committee and a Centre for interdisciplinary research.

3. **Plagiarism check through software**

St Berchmans College (Autonomous) has its own policy for plagiarism checking, which is stated in the Research Policy of the College. All the M Phil and Ph D scholars should check plagiarism using the plagiarism checking facility available at Mahatma Gandhi University – the University to which the college is affiliated and attach the plagiarism certificate issued by the University in the initial pages of the thesis.

4. **Research Advisory Committee**

St Berchmans College has separate committee – **Research Committee**, with the following objectives.

- Look after the affairs of research scholars and supervising teachers.
- Encourage research among members of faculty and students
- Promote interdisciplinary research
- Organize workshops seminars etc for the benefit of research community.
- Offer timely advices to the management for the promotion of research