

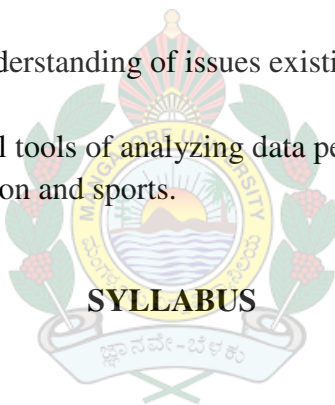
DOCTOR OF PHILOSOPHY IN PHYSICAL EDUCATION

Programme Outcomes

1. The Programme of Doctoral Studies in Physical Education is geared towards advancing the Studies pertaining to Physical Education and Sports.
2. To inculcate the spirit of research in Physical Education Professionals and thereby expand the horizons of knowledge in the field.
3. To popularize the Physical Education and sports as an analytical discipline and add a scientific touch to it;
4. To add to the existing knowledge by acquainting oneself with different types of tools of research and becoming proficient in it.

Programme Specific Outcomes

1. To identify the areas of Research in Physical Education and Sports and develop expertise in those areas
2. To increase the depth of understanding of issues existing in sports and develop an attitude of solving these issues.
3. To understand the analytical tools of analyzing data pertaining to varying types of research in physical education and sports.



PAPER I : RESEARCH METHODOLOGY

Course Outcomes:

1. To Understand the fundamentals of Research Methodology in Research
2. To understand the types of research prevailing in physical education and sports
3. To Understand the analysis of different types of research.
4. To become acquainted with the writing of thesis and data.

Chapter I – Foundations:

The language of Research, Types of Studies, Time of Research, Variables, Hypothesis, Types of data, The Unit of Analysis, Philosophy of Research, Ethics in Research, Problem formulation, The Literature Review.

Chapter II – Sampling:

External validity, Sampling Terminology, Statistical terms in sampling, probability sampling, non probability sampling

Chapter III – Survey Research and Scaling:

Survey Research, Types of Survey, Selecting the Survey Method, Constructing the Survey Interviews, Advantages and disadvantages of Survey Methods, Scaling, Qualitative and Quantitative data.

Chapter IV – Experimental Design

Introduction to Experimental Design, Classifying Experimental Designs, Factorial Designs, Randomised block designs, Covarians designs, Quasi-Experimental Designs.

Chapter V – Analysis:

Conclusion validity, Data preparation, Statistical Power, Checking the data for accuracy, Data transformation, Descriptive statistics, the distribution, Central Tendency, Dispersion, Correlation, Testing the significance of a correlation, other correlations, Inferential statistics.

Chapter VI – Research Proposal and Reporting:

Formatting, title page, Abstract, Body of thesis, Introduction, Methods, Sample, Measures, Design Procedures, Results, Conclusions, References, Tables, Figures, Appendices, Sample Paper.

Reference Books:

1. William M K Trochim, Research Methods, Atomic God Publishing, USA
2. Best, J. W. (1971) Research in Education, New Jersey, Prentice Hall Inc.
3. Clarke, David H & Clarke H, Harrison (1984). Research Processes in Physical Education, New Jersey, Prentice Hall Inc.
4. Craig Williams and Chris Wragg (2006) Data Analysis and Research for Sport and Exercise Science, London, Routledge Press.
5. Jerry R Thomas & Rack K Nelson (2000) Research Methods in Physical Activities, Illinois, Human Kinetics
6. Kamlesh, M L (1995) Thesis Writing Format. Chennai, Poompugar Pathippagam

II PAPER – REVIEW OF LITERATURE

Course Outcomes:

1. To become aware of the research done in an individual's area of expertise.
2. To understand the methodology followed and analysis done on related areas of research.
3. To develop a topic of research based on the literature reviews done and finalise the research topic.

