SYLLABUS OF Ph.D COURSE WORK

1. Research Methodology & Quantitative Methods
2. Computer Applications
3. Advanced Course (Own Discipline)

*Assignment of each Paper will carry 40 Marks-
   (A)Two Questions will carry 10 marks for each question.
   (B)Four Questions will carry 5 Marks for each question.

*Course work written exam will carry 60 Marks for each paper.
Paper 1: Research Methodology & Quantitative Methods


- Data Collection: - Sources of Data: Primary Data, Secondary Data; Procedure Questionnaire, Sampling Merits and Demerits- Experiments, Kinds, Procedure; Control Observation: Merits, Demerits, Kinds, Procedure, Sampling Errors: Type-I Error and Type-II Error.


• Research Reports: Structure and Components of Research Report, Types of Report, Good Research Report, Pictures and Graphs, Introduction to SPSS.
• Meaning and Definition of Quantitative Methods, Arranging data to convey meaning: Tables, Graphs and Frequency Distribution, Measures of Central Tendency and Dispersion.

Books:
2. Panneerselvam, R: Research Methodology, PHI, New Delhi, 2004
Paper-2: Computer Applications

- Basics of Computer and Types of Computer.
- Introduction: Classification of computers, computer memory, types of software, application of system, software operating systems and its types, single user, multi user, Real Time processing, multi-tasking, single-tasking, application of computers for business and Research, E-Commerce, M-Commerce and its applications.
- Data Communication and Networks: Data Communication concepts, local area network, wide area network, internet, intranet, extranet, website, Email, search engines, enterprise, E-Communication and E-Collaboration.
- MS-Office and its Application, File Handling in Window, various versions of MS-Office:- MS-Word: Test formatting, Mail merge, Macro, MS-Excel: Features, various formulas and functions, MS-Power Point: Creating presentation and adding effects.
- SPSS: Introduction to SPSS, Definition, objectives and features, Data analysis using SPSS: Data entry creating variables, switching to data labels, data analysis: Frequencies, recording into different variables, cross tabulations and layers.
- Application of Internet in Research INFLIBNET, Use of Internet, Sight(DOAJ), Use of E-Journals, Use of E-library, Use of EBSCO HOST, Online database of Academic libraries.

Books:

1. INTRODUCTION TO COMPUTER AND ITS APPLICATIONS: By Dr.K.Dhanasekaran, Manikandan Palanisamy

2. Step by Step Computer Applications

By John Roche
Paper3: Advanced Course (Own Discipline)

- Examining the methods of evaluating and interpreting published research.
- Developing skills needed to research available literature for information relevant to given topic.
- Exploring the principles and techniques of topic/project development and testing.
- Examining the methods of evaluating and interpreting data collected in the research process.
- Writing review on the research paper of own subject/topic.
- Demonstrating the ability to create a template document that can be used to complete your research project or thesis.