

ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ



University of Mysore

(Estd.1916)

Ph. D. in Sugar Technology

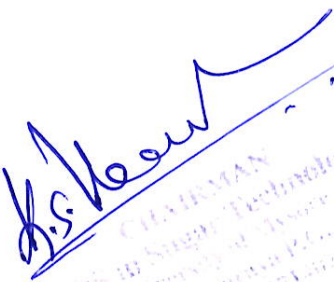


UNIVERSITY OF MYSORE

**Department of Studies in Sugar Technology
Sir M. Visvesvaraya Postgraduate Centre
Tubinakere, Mandya**

Regulations and Syllabus

PH. D. IN SUGAR TECHNOLOGY


CHAIRMAN
PH. D. IN SUGAR TECHNOLOGY
UNIVERSITY OF MYSORE
SIR M. VISVESVARAYA POSTGRADUATE CENTRE
TUBINAKERE, MANDYA

UNIVERSITY OF MYSORE
GUIDELINES AND REGULATIONS
LEADING TO
PH. D. IN SUGAR TECHNOLOGY

Programme Details

| | | |
|------------------------|---|---|
| Name of the Department | : | Department of Studies in Sugar Technology |
| Subject | : | Sugar Technology |
| Faculty | : | Science and Technology |
| Name of the Programme | : | Ph. D. in Sugar Technology |

Program Outcome:

The student on pursuing research in Sugar Technology will be able to

- develop holistic and scientific thinking
- conduct original research in theoretical and industrial aspects of sugar manufacturing through innovate or invent approach.
- Acquire substantive knowledge in a specific area through independent study and critical thinking with a view to demonstrate mastery in the field
- enhance education through participation and interaction in seminars and conferences
- inculcate ethical laboratory practices, factual data interpretation and establishment of new research findings.

COURSE-I : ADVANCED RESEARCH METHODOLOGY

Course Outcome:

After the completion of this course the students will be able to

- develop a better analytical mind and inculcate perseverance.
- formulating ideas about the topic, discussing important issues, exchanging ideas with fellow researchers, and course teachers

Pedagogy

- Lecture, discussions, and seminars

COURSE CONTENT

UNIT-I : RESEARCH METHODOLOGY : AN INTRODUCTION

Definitions of Research Objectives of Research Motivation in research, Types of research, Research Approaches, significance of research, Research and Scientific Methods, research process, criteria for good research

UNIT-II : RESEARCH PROBLEM :

Defining research problem, selecting the problem, necessity of defining problem, technique involved in defining a problem, illustration, analysis of experimental data.

UNIT-III : RESEARCH DESIGN :

Meaning, need for research design, features of a good design, different research designs, basic principles of research design.

UNIT-IV : RESEARCH COMMUNICATION :

Allocable time to prepare report, essentials of a scientific report, categories of audience reports oral and written report, stages in preparing the research report, steps in drafting reports presentation of errors, presentation of inconclusive or negative reports.

UNIT-V : STRUCTURE OF RESEARCH REPORT :

Title page, abbreviations, abstract, introduction, materials and methods, statistical analysis results, tables and figures, discussions, conclusion, acknowledgement, references.

UNIT-VI : COMPUTER :

Basics of editing and word processing, plotting graphs and tables using MS Excel, power point presentation, error analysis (mean, median, standard deviation, variance, correlation coefficient) using statistical packages.

COURSE II- REVIEW OF LITERATURE

Course Outcome

After the completion of this course the students will be able

- consolidate a relevant Ph.D topic.
- find a relevant topic through exhaustive literature survey and in depth study