



“Dissemination of Education for Knowledge, Science and Culture”

-Shikshanmaharshi Dr. Bapuji Salunkhe



Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR

(EMPOWERED AUTONOMOUS)

(Affiliated to Shivaji University, Kolhapur)

Policy:

Research Projects

(RP)

(for Under Graduate and Post Graduate Students)

(apply to academic session 2023-24 onwards)

In order to effectively implement Research Project activities in the departments of this college, a NEP-2020 Implementation Cell was formed as follows to prepare the policy document.

Sr. No.	Name of Faculty	Designation	Signature
NEP-2020 Implementation Cell			
1	Dr. R. R. Kumbhar	Chairman Principal, Vivekanand College, Kolhapur (Empowered Autonomous)	
2	Dr. Shruti Joshi	Member IQAC Co-ordinator	
3	Dr. C. B. Patil	Nodal Officer NEP-2020	
4	Mr. S. P. Thorat	Member Senior Faculty	
5	Dr. A. S. Kumbhar	Member Dean, Science	
6	Dr. S. R. Kattimani	Member Dean, Arts	
7	Mr. Sunny Kale	Member Dean, Commerce	
8	Dr. Rajashree Y. Patil	Member Dean, Professional Courses	
9	Dr. G. J. Navathe	Member CoE	
10	Dr. D. R. Tupe	Member Dy. CoE	
11	Dr. S. S. Ankushrao	Member Staff Secretary, Science	
12	Dr. K. S. Patil	Member Staff Secretary, Arts & Commerce	

The said committee has prepared a report on the Research Project activity policy to be implemented in the departments of this college after studying the Field Project activity guidelines and procedures received from the University Grants Commission and the Department of Higher and Technical Education of the Government of Maharashtra. The draft of the said policy is attached herewith.

Research Projects

Introduction: It is a structured investigation into a specific question or topic aimed at discovering new information, testing theories, or solving problems. Research projects are common in academic, scientific, and professional settings, providing a foundation for innovation, knowledge expansion, and informed decision-making.

A research project involves systematic investigation to answer a research question or test a hypothesis. It requires collecting and analyzing data, evaluating results, and drawing conclusions. Research projects can range from small-scale studies, like undergraduate papers, to large-scale investigations with significant societal impact, such as clinical trials or environmental research.

Here is a step-by-step guide to conduct research project:

Step 1: Define Your Research Question or Problem

Step 2: Conduct a Literature Review

Step 3: Design the Research Methodology

Step 4: Collect and Analyze Data

Step 5: Present Findings and Interpret Results

Step 6: Write the Conclusion and Recommendations

Step 7: Write and Organize the Research Report

M. Sc. II, Sem III

RPR14CHE31

Research Project (4 credit) (100 marks)

Research Project Guidelines

1. The students should write a synopsis of the proposed research work.
2. The students should perform a detailed literature survey related to the research problem.
3. The students should write a review article related to the research problem.
4. It is expected to publish the review article in peer-reviewed journals.
5. The students should design the problem and start experimental work. The students should complete at least 25% of their experimental work during semester III and the same work to be continued in semester IV.
6. The student should submit the spiral-bound copy of research work carried out during semester III including the synopsis, research proposal, review article, and certified progress report.
7. The Research Project will be examined jointly by internal and external examiners during the practical examination at the end of the semester.
8. The students should present their work during the evaluation in the form of PowerPoint presentation (PPT).

Marking Scheme:

Sr. No.	Description	Marks
1	Synopsis	10
2	Research Proposal	20
3	Review article on proposed work	20
4	Daily Lab notebook record	10
5	Progress of Experimental work	20
6	Quality and effectiveness of presentation	20
	Total	100

Broad guidelines for the preparation of synopsis

A. The proposed synopsis for research should be self-contained and should cover the rationale for carrying out research.

B. There should not be a repetition of the work topic or theme.

C. The synopsis of the proposed research shall contain the following points :

- 1 Title of the Research Proposal
- 2 Motivation with reasoning and significance of the proposed research
- 3 Statement of the problem
- 4 Review of the relevant literature
 1. Objectives of the study
 2. The methodology comprising
 - a) Methods of research
 - b) Sampling design and assumptions
 - c) Conceptual framework if any
 - d) Research design (explanation of how research is being conducted and the tools used for the same)
 - e) Methods of data collection
 - f) Methods of data analysis (use of parametric and non-parametric tools and techniques as the case may be)
 3. Expected outcome
 4. Bibliography.

Template for Research Proposal

1. Title
2. Introduction
3. Origin of the research problem
4. Interdisciplinary relevance
5. Review of Research and Development in the Subject
6. Significance of the study
7. Objectives
8. Plan of research work

M. Sc. II, Sem IV
RPR14CHE41
Research Project (6 credit) (150 marks)

1. The student should submit the final bound dissertation/thesis copy of research work carried out during semester III and IV.
2. It should include title page, certificate, declaration, acknowledgement, abbreviations, index, abstract, introduction, experimental section, results and discussion, conclusions, references, participation in conferences/seminars and publications if any.
3. The students should present their work during the evaluation in the form of power point presentation (PPT).

• **Marking Scheme:**

Sr. No.	Description	Marks
1	Dissertation/thesis bound copy	30
2	Quality of work (Innovative concepts, social relevance, extent of work etc.)	50
3	Publications	20
4	Participation in conferences	10 maximum
	a) Oral/Poster Presentation (10 marks)	
	b) Only attended (7 marks)	
5	Final Dissertation/thesis defence	40
	Total	150

Note:

1. The Project will be examined jointly by internal (Project Supervisor) and external examiners (preferably Associate professor and above with Ph. D.) at the end of the semester. The project can be given individually or a maximum group of three students is allowed. (Not more than three students allowed).
2. There will be a industrial visit for M.Sc. Part- II Students during the academic year.