



Welcome



One Day Workshop on

“Exploration on UG-PG Project Envisaged in NEP-2020 ”

Organized By

Project & Research Cell (PRC)

National Education Policy Cell (NEP Cell)

Presentation by

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Empowered Autonomous Institution

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Overview

Sr. No.	Year	Sem	Project	Credit	Marks	Time Commitment Hours	Concept
1	UG I	I	Mini Project	02	50	60 (4 hrs/Week)	Real-World Mini Problem for Introduction of Research
2	UG II	III	Field Project	02	50	60 (4 hrs/Week)	Field-based Learning
		IV	Community Engagement Project (CEP)	02	50	60 (4 hrs/Week)	Field-based Learning in Community
3	PG I	II	Field Project	04	100	120 (8 hrs/Week)	Field-based Learning

Project Schedule & Milestones (Completion Stages)

Sr. No.	Year	Sem	Project	Credit	Marks	Dates to be followed		
						Allotment of Topics & Submission the list to PRC Cell	Mid Progress Report & Submission the Report to PRC Cell	Final submission & Viva-Voce
1	UG I	I	Mini Project	02	50	Last week of July	First Week of September	Third Week of October
2	UG II	III	Field Project	02	50	Second Week of July	Last Week of August	First Week of October
		IV	Community Engagement Project	02	50	Last Week of December	First Week of February	Last Week of March
3	PG I	II	Field Project	04	100	Last week of July	First Week of September	Third Week of October

Mini Project

Mini Project

Mini Project a hands-on, short-term learning activity that shifts focus from rote memorization to experiential learning, practical skill development, and solving real-world problems.

Rote memorization: Repeating facts over and over until you remember

Real-World Mini Problem

Bridges the Gap Between Theory and Real-world Application

Objectives of Mini Project

- To introduce research as an integral component of undergraduate (UG) education.
- To develop critical thinking, analytical skills, and scientific temper among students.
- To develop team work/collaboration
- To promote ethical research practices and academic integrity.

Outcomes of Mini Project

- Become familiar with concept of research.
- Formulate research questions and execute appropriate research methodologies to solve academic or real-world problems & Critically analyze data, evaluate evidence, and draw logical conclusions.
- Work effectively in collaborative research teams and communicate findings clearly.
- Adopt ethical research practices & academic integrity.

Themes

- **Language & Literature:** Comparative study of regional short stories or a mini-lexicon of local dialects.
- **History & Sociology:** Documentation of a local historical site or a survey on changing community traditions.
- **Political Science / Economics (Humanities):** Analysis of voter turnout trends in local body elections or a study on public welfare scheme awareness.
- **Computer Science:** Development of Personal Expense Tracker, and a Weather Forecast App

Field Project

Field Projects:

Field project or field study is an **organized and well-planned** unit of **work conducted outside the usual place of learning.**

Types of Field Projects:

- a) Case Study:** A systematic and thorough study of a certain problem or situation.
- b) Survey:** Systematic investigation of a particular problem using certain parameters.

Project Objectives

- To introduce students with **problems on various fields** like social, cultural, economic, industrial, environmental etc.
- To introduce students with **ways and means of positive intervention in the field.**
- To introduce **procedures and practices of working on field in collaborations.**
- To build in **strong interface for research and education.**
- To improves **research potential and employability of students across disciplines.**

Project Outcomes

- A student recognizes various **on field problems** in his social habitat.
- A student learns to **decide for project plan**.
- A student **adopts** different skill and implements them for the project undertaken.
- A student **acquires** scientific procedures and practices of working in **collaboration**.
- A student adopts and **acquires** procedural skills to enhance his **employability potential**.

Themes

Science and Technology:

1. Assessment of local water quality and assess pollution sources.
2. Analysis of soil.
3. Analysis of plant diversity and its impact on soil health.
4. Surveys to understand human-wildlife interactions.
5. Effect of the climate change on specific ecosystems.
6. Survey on Medicinally important local plant species.
7. Development of sustainable waste management solutions for rural communities.
8. The impact of new technologies on specific industries or communities.
9. Develop digital solutions to improve healthcare access in underserved areas.
10. Renewable Energy sources.
11. Waste water treatment.

Themes

Social Sciences

1. Assess access to education and propose improvements in underprivileged areas.
2. Documentation of cultural traditions and practices facing preservation challenges.
3. Analysis of the impact of social media on mental health in specific communities.
4. Evaluate the effectiveness of government programs for poverty reduction.
5. Explore economic opportunities and challenges in developing regions.

Commerce

1. Consumer preferences and behaviours in emerging markets.
2. Assess the effectiveness of marketing campaigns for local businesses.

Community Engagement Program (CEP)



My Students of B.Sc. II,
Mr. Rahul Kale
Mr. Yogesh Kale
& Mr. Bhagwant Jadhav
doing Superstition Eradication
through chemical experiments at
Village Sikandarpur, District Latur

Community Engagement Program (CEP)

Under the National Education Policy (NEP) 2020, a Community Engagement Programme (CEP) is an **experiential learning approach** that **connects classroom knowledge with real-world social, economic, and environmental challenges** through **structured field work, credit-based coursework, and local institution linkages**.



Community Engagement Program (CEP)

Objectives

- To develop an understanding of community needs, challenges, and strengths.
- To foster empathy and a sense of responsibility towards community welfare to cultivate empathy.
- To encourage active participation in community service and civic engagement.
- To develop practical skills through hands-on community projects to enhance practical skills.
- To give emphasis is on encouraging personal growth and learning through community engagement.

Community Engagement Program (CEP)

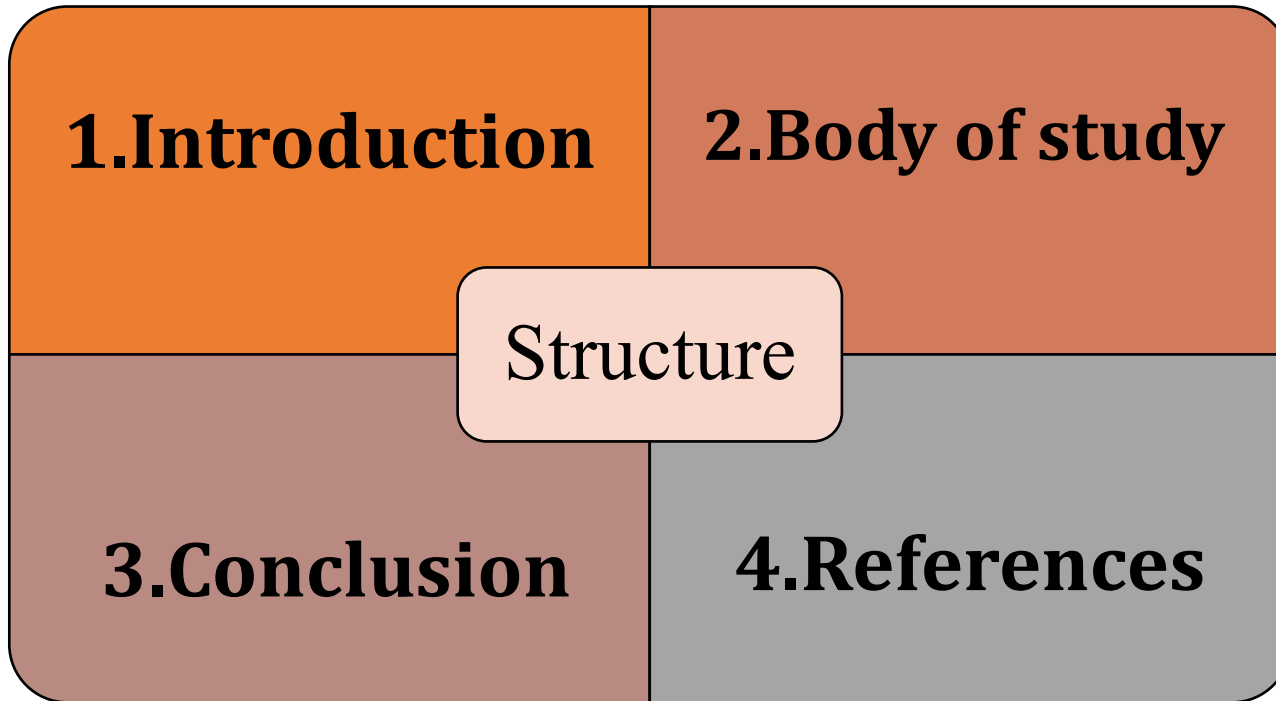
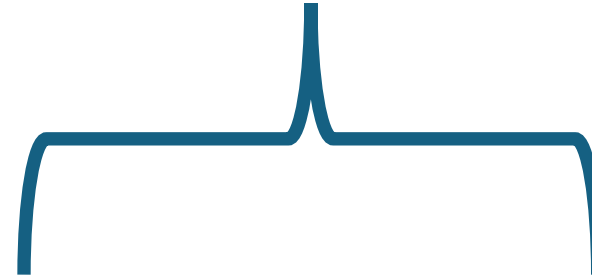
Outcomes

- **Developed Humanitarian Technology** (use of tools to solve basic human needs and reduce suffering in crisis zones) amongst students.
- **Active citizenship of students** get promoted
- **Enhanced practical skills in community problem solving**
- Lead to **personal social growth**

Themes

- Creating **awareness** among the people about the impacts of climate change and building up **community's disaster preparedness**.
- Conduct soil health test, drinking water analysis, energy use and fuel efficiency surveys and **building solar powered village**.
- Visit to local Nagarpalika office and **review schemes for urban informal workers and migrants and further awareness in society**.
- Associate with **Social audit exercises** at the **Gram Panchayat level**, and interact with programme beneficiaries and **consecutive awareness**.
- Visit Rural Schools/mid-day meal centres, study academic and infrastructural resources, **digital divide and gaps and suggest remedies**.

Project Report Format



Introduction
Methods & Materials
Results
and
Discussion

Project Report Structure

1.Introduction: (Background, Objectives, and Scope)

Explain what you will examine in the Case Study / Mini Project / Field Project. Write an overview of the field you're researching and its significance.

2.Body of Study:

Literature Review, Methodology (Sample size, survey design, or data collection tools), Fieldwork Observations & Analysis (Graphs, charts, or primary findings), Discussions & Explanation. It has to be written in chapters. (at least three).

3.Conclusion:

Summarize the main points from the case evaluations, proposed solutions and recommendations.

4.References:

In standard formats such as APA, MLA, IEEE, Elsevier, etc. (may include Webliography)

For IMRaD Format

Core Sections

- **Introduction:** Hook (attractor) sentence, States the research question, gives background facts, objectives and explains why the study matters.
- **Methods:** Explains how the study was done, including materials, tools, and steps.
- **Results:** Shares the raw data and findings without giving personal opinions or deep meaning.
- **Discussion:** Explains what the data means, lists study limits, and connects findings to past work.

Surrounding Parts

- **Title:** concise and specific
- **Abstract:** a structured summary of the whole paper.
- **Conclusion:** typically includes a recap of key results, restates the core problem, the practical or real-world meaning of the work, and ideas for future study
- **References:** Listed at the back to show all external sources used in the paper.

Academic and Research Project

Overview

Parameter	UG III Year	PG M.Sc. II	
	Academic Project	Research Project	
Credit	04 (2 to 4 Credits as per NEP)	10 (10 to 12 as per NEP Distributed Across Semester III & IV)	
		Sem III	Sem IV
		04	06
Time Commitment	60 Hrs (60-120 Hrs as per NEP)	120 Hrs	180 Hrs
		(300-360 Hrs as per NEP)	
Core Nature	• Skill Enhancement • Community Project • Minor Field Project	Original Scientific Study (with Mandatory Plagiarism Report Check)	

Project Schedule for UG III

Sr. No.	Year	Sem	Project	Credits	Marks	Dates to be Followed		
						Allotment of Topics & Submission the list to PRC Cell	Mid Progress Report & Submission the Report to PRC Cell	Final submission & Viva-Voce
1.	III	VI	Academic Project	04	100	Last Week of Odd Sem	Third Week of January	During the Summer Practical Examination

Project Schedule for PG II

Time Period (Odd / Even Sem)	Activities
Not later than the fourth week of the commencement of each semester.	General Orientation by PRC /Subject wise Orientation by Head of the Department /Supervisor.
July/December Fourth Week	Assigning supervisors for projects , Preliminary discussions, Selection of the broad area of study.
July/ December	Literature Survey, Formulation of the Problem (working title), Setting up of objectives and chalking out (plan) the methodology.
August/January First Week	Presentation of the Synopsis and finalization of the Topic and Title.
August & September / January & February	Data Collection, Tabulation and Data Analysis followed by Discussion and Explanation.
October/February Last Week	Midterm Evaluation to review the progress of the Project.
On or before 10 October /March	Submission of the draft report.
On or before 30 October/ March	Final compiled draft.
November/April First Week	Oral/ Poster Presentation and internal Viva-voce.
November/April Third Week	Project and mark list submitted to the examination department.

Milestones of Research Project

Phase 1 (Approval)

Submission of a research proposal or synopsis to the college's PRC Committee & seek acceptance.

Phase 2 (Execution)

Execution of the project & Regular meetings with an assigned supervisor to track progress and methodology.

Phase 3 (Compilation)

Format the final report, Check for plagiarism with Library software (often with an allowed similarity score of $< 30\%$), and bind.

Phase 4 (Submission & Viva-voce)

Presentation and submission of final draft of the research project.

Marking Scheme (Rubrics) for Internal Exam

Project Title	
Name of The Student	
Name of The Supervisor	
Department	
Class & Semester	
Exam Seat Number	
Roll No.	
Project Type	
Credit	
Academic Year	

Sr No	Exam Seat No	Name of the student	Project Title	Internal 40 M				Total
				Synopsis / Proposal	Internal Reviews / Mid-term evaluation	Project Report Documentation Diary	Attendance and Regularity of Work	40 Marks
				10 Marks	10 Marks	10 Marks	10 Marks	
1.								
2.								

Marking Scheme (Rubrics) for External Exam

Project Title	
Name of The Student	
Name of The Supervisor	
Department	
Class & Semester	
Exam Seat Number	
Roll No.	
Project Type	
Credit	
Academic Year	

Sr. No.	Particulars (Max Marks)	
1	Abstract, Introduction & Review of Literature (05)	
2	Research Objectives, Justification of Hypothesis and Methodology (05)	
3	Data Analysis and Results/Findings (05)	
4	Discussion, Conclusion and Recommendations (05)	
5	Viva-Voce (15)	
6	Final Draft with Logical Flow and Academic Rigor (25)	
7	Total (Marks Obtained Out of 60 Marks for External Exam)	

Consolidated Mark sheet (Rubrics)

Sr No	Exam. Seat No.	Names of Candidates	Title of the Project	Internal 40 M (Marks awarded by Supervisor & HoD)	External 60 M (Cumulative aggregate marks of PRC Member, HoD, Viva-voce Board Member)	Total 100 M
1.						
2.						

Project & Research Cell (PRC)

Sr No	Name of Faculty	Designation	Faculty
1	Dr Mahesh Wavare	Chairperson	Academic Council Member Secretary
2	Dr Anuja Jadhav	Member	NEP Nodal Officer
3	Dr Vyankat Dhumal	Member	NEP Cell Member
4	Mr Vishwanath Panchal	Member	IQAC Coordinator
5	Dr Abhijit Yadav	Member	Science & Technology
6	Dr Kalyan Sawant	Member	Science & Technology
7	Dr Sambhaji Patil	Member	Humanities & Social Science
8	Dr Sachin Bhandare	Member	Humanities & Social Science
9	Dr Archana Tak	Member	Humanities & Social Science
10	Dr Pushpalata Trimukhe	Member	Commerce & Management

Sr No	Name of Faculty	Designation	Faculty
11	Dr Samreen Bagwan	Member	Commerce & Management
12	Mr Vinod Late	Member	Commerce & Management
13	Dr Sachin Kulkarni	Member	Science & Technology (BT)
14	Dr Manisha Dhotre	Member	Science & Technology (BT)
15	Ms Jyoti Mashalkar	Member	Science & Technology (BT)
16	Mr Bhairvnath Gorde	Member	Science & Technology (IT)
17	Mr Madhav Shelke	Member	Humanities & Social Science (CEP)
18	Mr Nitin Panchal	Member	Humanities & Social Science (CEP)
19	Dr Kundan Tayade	Member Secretary	R&D Cell Director

Responsibilities Assigned to PRC

1. To conduct the **meeting twice in a semester.**
2. To **verify titles of Academic & Research Projects.**
3. To **modify the titles of the synopsis (if needed)** in discussion with the HoD of the concern department if required.
4. To go through the synopsis & give **approval to the project titles.**
5. To take **review of the project work and viva-voce.**
6. To **organize faculty wise workshops at the beginning of the semester for students & faculty.**
7. Ensure a structured, fair, and professional **research environment for all students.**

Board for Viva –voce
UG III Academic Project
PG II Research Project I & II

Sr No	Faculty	Nature	Chairperson	Members
1	Humanities and Social Sciences	Board	Prof. Dr. Sambhaji Patil	All the HoDs of Major Course for UG & One PRC member other than the faculty All the HoDs of PG Department for PG & One PRC member other than the faculty.
2	Commerce and Management	Board	Prof. Dr. Pushpalata Trimukhe	Departmental Faculty & Two PRC members other than the faculty
3	Science & Technology	Board	HoD	Department wise Viva-Voce with Departmental Faculty and External (Appointed for UG/PG Practical Examination)

Responsibilities Assigned to Board for Viva –voce

1. **Conduct the Viva-voce** as per the time framework.
2. Maintain attendance **records**, project logs, and ensures all **project batches are properly scheduled**.
3. Submit attendance sheet and internal & external mark list to examination department as per **rubrics (Mark Scheme)**.
4. **Evaluates** the project's real-world application, originality, core theories, methodologies and overall technical depth.
5. Verify that the **project report** adheres to the required **academic formatting and plagiarism guidelines**.
6. **Submit** subject wise consolidated **report** of viva-voce to **PRC**.

Responsibilities Assigned to HoD

1. To **approve** Research Project Proposal.
2. To **upload** the list of research titles on College website within 10 days after the approval of the PRC.
3. To **assign** academic staff **supervisor** to an individual or a group of **maximum Four students** who are working on a common problem statement.
4. To maintain a **centralized research project hub repository** to facilitate research project management and **keep track of all projects**.
5. To work as a **mediator between PRC and Students & supervisors**.
6. **Monitoring the progress** of the projects.
7. Ensuring that the **schedule** given in this manual is **strictly followed**.
8. Supervision of **the administrative work pertaining to the project work**.
9. **Coordinating evaluation** of project.
10. Submission of marks to Examination Department by due process.

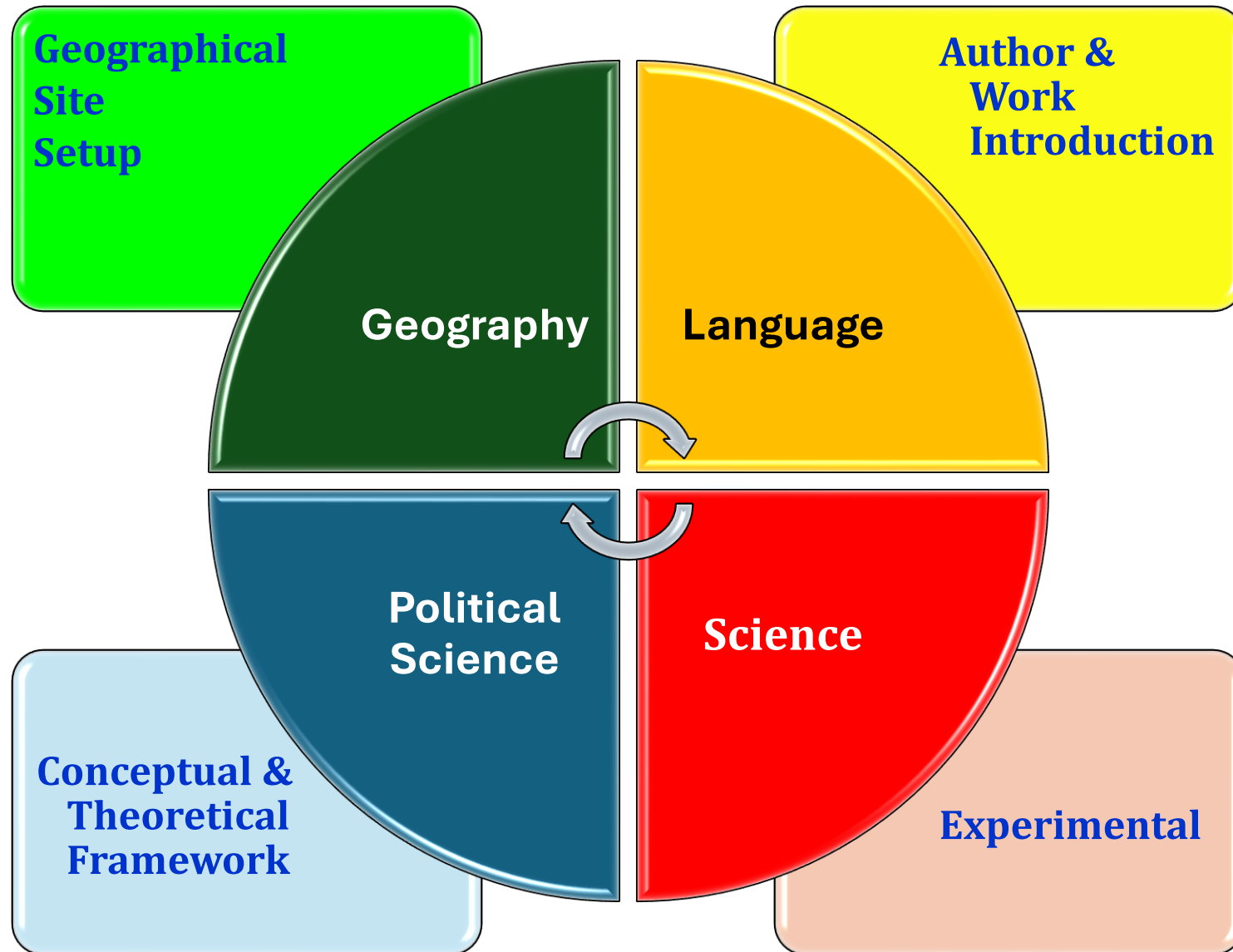
Responsibilities Assigned to Research Supervisors/Mentors

1. Identification and finalization of project areas and titles.
2. Receiving proposals from students in the prescribed time framework.
3. Guide students in designing the study as per the timeline.
4. Conducting weekly meetings of students assigned, to assess their progress and to give them the necessary guidance and assistance.
5. Assist in making a survey plan for the study (if needed).
6. Help students prepare the questionnaire for data collection.
7. Plan and assign fieldwork/library work activities to the students.
8. Provide support in data collection, compilation, and analysis.
9. Guide students in report writing.
10. Monitor students' progress and provide mentorship throughout the process.
11. Evaluate the final report as per the template.
12. Maintain records of attendance, discussions held, reference material / sources of data, field work, etc.
13. Prepare the evaluation report for assigning credits.

Responsibilities Assigned to Students

1. To **write a proposal** for a research project (**Synopsis**).
2. To **evaluate** the literature, identify a suitable approach, gather and analyze data, test the hypothesis, etc.
3. To **submit a weekly report** and follow the weekly meeting schedule with the supervisor **to update their progress** and seek guidance on project concerns (**attendance is obligatory**).
4. To oversee the study project from beginning to end, **adhere to specified deadlines** and milestones.
5. To **notify the supervisor** any **issues** that arise that could **disrupt work**.
6. To **submit the dissertation on schedule**.
7. To **follow the research ethics**.

The Subject Essence



Project Progress Monitoring

Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya, Latur
(Empowered Autonomous Institution)
Department of _____

PROGRESS REPORT

Report No (From to)

1. Name of Research Project Student:
2. Name and Designation of Project Research Supervisor:
.....
3. Title of the Research Project Topic:.....
.....
4. Books Referred:
5. Journals Referred:
.....
6. Practical work done:
.....
7. Plan of next milestone.....
8. Remark of the Research Supervisor:.....

(Research Student)
Name and Signature

(Research Supervisor)
Name and Signature

Interaction Diary Format

Student-Project Guide Interaction Diary Format

Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Empowered Autonomous Institution)

Academic Year -----

Department _____

1. Name of the Student:
2. Programme:
3. Class: Sem:
4. Title of the Project:
5. Name of the Supervisor:

Library/Laboratory/ Field work	Description of work	Date	Contact Hours	Signature of Project Supervisor with Date

IMPORTANT: It is expected that student will be meeting their guide **at least 10 times** for the project work interaction. The candidate should retain the above stated 'Project Guide Interaction Certificate Form' and submit the same with required signatures of the guide while submitting the Project to the Institute. **THE PROJECT REPORT WILL NOT BE ACCEPTED WITHOUT THE DULY FILLED PROJECT GUIDE INTERACTION CERTIFICATE.**

HoD

References/Bibliography

1. New Education Policy – Government of Maharashtra, NEP-2022/105/Vishi – 3, dated November 4th 2022.
2. Government Resolution – NEP – 2022/105/Vishi-3, dated April 26th 2022.
3. Government Resolution – NEP – 2022/09/Vishi-3, dated April 20th 2023.
4. The Gazette of India, July 31st, 2018. (Academic Integrity).

Facebook interface showing a video post about four African girls who developed a generator that can produce electricity for six hours using only one liter of urine as fuel.

facebook

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An astonishing innovation comes from four African girls who developed a generator that can produce up...
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Sarah H. Gordon
These young women are my heroines. Why should we have to rip up the earth to make fuel?
17w 34

Anne Murphy
That's a normal genny...they have discovered that pee works as well as gas!
Ways to go girls!!!

FOUR AFRICAN GIRLS HAVE INVENTED A GENERATOR THAT CAN PRODUCE ELECTRICITY FOR SIX HOURS USING ONLY ONE LITER OF URINE AS FUEL.

Thank You