

19AI702-Project Work I (For AIDS,AI ML)
19CS702-Project Phase I (For CSE)
19IT702-Project Phase I (For IT)
Overview



Credits

SLNO	CODE	COURSE TITLE	CREDITS
1	19AI701	Mini Project	1
2	19AI702	Project Work I	3
3	19AI703	Project Work II	6

SLNO	CODE	COURSE TITLE	CREDITS
1	19CS701/19IT701	Mini Project	1
2	19CS702/19IT702	Project Work Phase I	3
3	19CS703/19IT703	Project Work Phase II	6

Team Formation

- Max of 3 members in a Team
- Can have mentees from different mentors
- Team can have mentees across various departments
- Submission of documents need to be done individually for grading purpose during each review
- All team members need to appear for all the reviews
- Team members have to get grades from both mentors and review team
- Review venue will be informed later

Why Project work I / Project work Phase I

- Project helps you to explore and strengthen the understanding of fundamentals through practical application of theoretical concepts(**Learning**).
- Project can help you to boost your skills and widen your horizon of thinking(**Skill Development**).
- It acts like a beginners guide to do larger projects later in their career(**Hands on Experience**).
- It can help foster an entrepreneurial mindset and prepare students for future careers in startups or other innovative ventures(**Creativity and innovation**).
- On Completion -Sincerely result in—> **Confidence BUILDING**

Scope of Project work I / Project work Phase I

- Any work which is useful to the society by applying the scientific concepts learned so far in your courses.
- Demonstration of scientific concepts using hardware.
- It need not be an invention.
- Project work 1, such as case studies, can yield results that can be submitted for publication in journals or presented at conferences.

Information about the Project Work I / Project work Phase I

- Project Work I components should include:
 - Clear project **objectives**
 - **Abstract** explaining why the project is interesting
 - **Literature review** summarizing relevant background and techniques
 - List of prospective **deliverables**
 - Completed **coding (+hardware assembling if any)** showcasing execution that meets project objectives
 - Template for Project Work 1 report
 - <https://docs.google.com/document/d/1TjvBphY8SCh8Eg3OPKaDuVIMWCIX29cd/edit?usp=sharing&oid=101343323572911856750&rtpof=true&sd=true>
 -

Objective of the Project Work I / Project work Phase I

- Project Objective gives a idea about what knowledge you are familiar and want to expand it by doing the project:
 - **Sample objectives**
 - To apply my machine learning knowledge in the medical domain
 - To improve my skills in embedded programming to create an automated device for office

Reviews

S.No.	Reviews	Date
1.	<p>First Review (Max 3 Pages) (What going to do ?)</p> <ol style="list-style-type: none">1. Objectives of the project2. Abstract3. Literature Review4. Existing System & Proposed System5. References6. Project plan and Tentative Schedule (Chart)	8.9.2025-13.9.2025

Reviews

S.No.	Reviews	Date
1.	Second Review (Max 8 Pages) (How going to do ?) <ol style="list-style-type: none">1. Software Requirement Specification (SRS document)2. System Analysis and Design:3. Project Environment (H/w and S/w)4. Overall System Design (including UI Design , Database Design , DFD, Architecture diagram etc) , Detailed Design (including Flow chart, OOAD Diagrams)	29.9.2025-8.10.2025 (Tentative)

Reviews

S.No.	Reviews	Date
1.	<p>Model Review (Max 20 Pages) (How will you Present your Project ?)</p> <ol style="list-style-type: none">Objective of the projectImplementation DetailsScreen shotsProject Evaluation & TestingDemoPublications / workable product (possibly with patent / startup)	<p>10.11.2025- 15.11.2025</p> <p>(Tentative)</p>

Documents submission

S.No.	Artifacts to be submitted	Review
1.	Title, Objective and Abstract	Review1
2.	Literature Review	Review1
3.	Prospective Deliverables with milestone	Review1
4.	SRS,Design: Flowchart/ Architecture Diagram	Review2
5.	Coding (+ Completed hardware setup)	Review2
6.	Project work 1 report	Review2 / Review3

Mark allocated for the Reviews

S.No.	Reviews	Marks
1.	Internal Reviews	30 (10+10+10)
2.	Article Writing Moodle course completion	5
3.	Preparation of Research Article	5
4.	Project final document	10
5.	External Review	50
		100

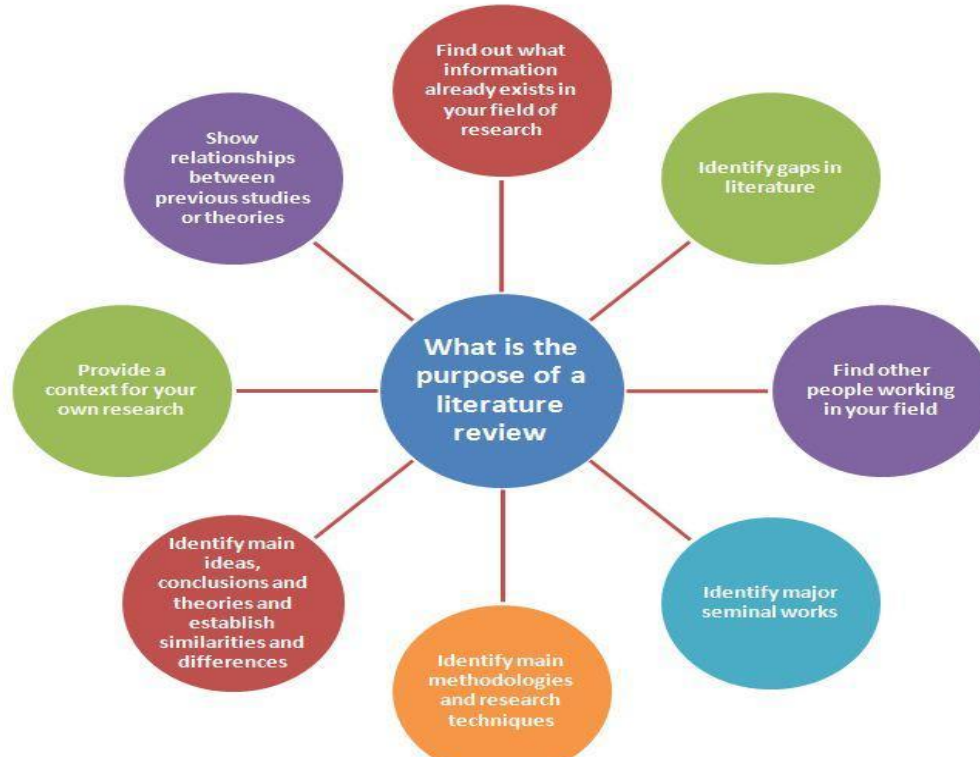
Abstract of the Project Work I

- An abstract is a concise summary of the work.
- Abstracts is usually about 150-250 words and one to two paragraphs long
- An abstract should include a **statement of the problem** you are trying to solve and the **purpose of your project**, the **methods** used to find the solution, the **results** and the **implications** of your findings.
- Sample Abstract -
 - <https://courses.engr.illinois.edu/ge494/documents/sample-abstract.pdf>

Literature Review of the Project Work I

- A **literature review** may consist of simple a summary of key sources, but it usually has an organizational pattern and combines both summary and synthesis, often within specific conceptual categories.
- A summary is a recap of the important information of the source, but a synthesis is a re-organization, or a reshuffling, of that information in a way that informs how you are planning to investigate a research problem.

Literature Review of the Project Work I



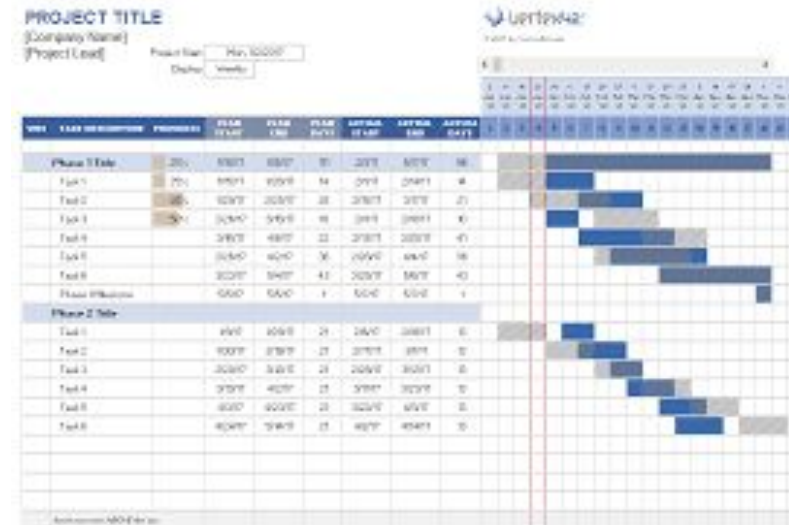
Literature Review of the Project Work I

- The analytical features of a literature review might:
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- Give a **new interpretation of old material** or combine new with old interpretations,
- Trace the **intellectual progression of the field**, including major debates,
- Depending on the situation, **evaluate the sources** and advise the reader on the most pertinent or relevant, or
- Usually in the conclusion of a literature review, **identify where gaps exist** in how a problem has been researched to date

Project Plan of the Project Work I

Tasks may include:

- Creating a Work Breakdown Structure (WBS)
- Estimating Time and Resources
- Sequencing Tasks
- Setting Milestones and Deadlines
- Assigning Responsibilities
- Creating a Project Schedule



Deliverables

- Project Report of 50 Pages.
 - Github project page licensed under GPLv3.
 - Software / Hardware with source code.
 - Video presentation.
 - Publication in journals/conference (compulsory).
 - Participation in competitions (minimum of one event).
 - Periodic presentation to juniors during the mentor meet.
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- It is essential to achieve **at least 75% attendance** in the Project Work I course → appearance for all reviews compulsory .

Questions ?

Thank You