

### Iteration Inputs:



**Important**

- Precise, well-defined, short inputs yield more targeted, accurate and deployable results.
- Follow the best practices of iteration - that is the soul of good research.
- Please note that AI LLMs impose token limits, therefore, longer inputs may lead to shortened / truncated outputs.
- Embrace innovation: Think about how your research can inspire new solutions or perspectives in modern contexts while crafting your inputs. Caution: Garbage In Garbage Out (GIGO)

	Input Field Title	What Kind of Input is Needed?
Input 1	<b>Research Topic</b>	Fill in the research question your study is exploring. As you know, this is the central theme or question your viva-voce is all about. For the example research, the topic is "The impact of sedentary lifestyles on obesity and subsequent heart attacks." (Note: Understanding the exact scope and focus of the research is fundamental for any viva preparation and directly relates to outputs like "Probable Examiner Questions" and "Explaining Key Findings.")
Input 2	<b>Research Type</b>	You must describe the nature of your study - whether it's qualitative, quantitative, experimental, etc. In the research example, it might be a mixed-methods study, combining quantitative analysis of obesity and heart attack rates with qualitative data on lifestyle habits. (Note: Knowing whether the research is qualitative, quantitative, or mixed-method informs how to address "Methodological Challenges" and "Discussing Research Implications.")
Input 3	<b>Research Objectives</b>	These are specific goals your research aims to achieve. For your topic, objectives could include understanding the correlation between sedentary lifestyles and obesity, and how these contribute to the risk of heart attacks. (Note: Clearly defined objectives guide the "Critical Thinking Assessment" and "Articulating Personal Contribution.")
Input 4	<b>Literature Review Summary</b>	This is a concise overview of existing research relevant to your topic. It might include studies showing the links between inactivity, obesity, and cardiovascular health. (Note: A solid grasp of existing research helps in "Handling Limitations" and "Engaging with Examiners.")



	Input Field Title	What Kind of Input is Needed?
Input 5	<b>Methodology Overview</b>	This describes the methods used for data collection and analysis. Your study might use surveys for collecting data on lifestyle habits, and medical records to correlate these with obesity and heart attack incidents. (Note: Understanding the methodology chosen is crucial for "Addressing Methodological Challenges" and "Responding to Unexpected Questions.")
Input 6	<b>Data Analysis Techniques</b>	These are the specific techniques used to examine the data. For your research, statistical methods to analyze the relationship between lifestyle factors and health outcomes would be pertinent. (Note: Knowledge of these techniques aids in "Explaining Key Findings" and "Critical Thinking Assessment.")
Input 7	<b>Key Findings</b>	These are the most significant results of your research. For instance, a high correlation between long periods of inactivity and increased rates of obesity and heart attacks might be a key finding. (Note: These are essential for "Discussing Research Implications" and "Future Research Pathways.")
Input 8	<b>Research Implications</b>	This refers to the potential impact of your research findings on the field, policy, or practice. The implications of your study might include recommendations for public health policies to reduce sedentary behaviour. (Note: Understanding the broader impact of your research aids in outputs like "Discussing Research Implications" and "Interdisciplinary Research Approach.")
Input 9	<b>Limitations and Challenges</b>	Acknowledge the constraints and difficulties faced in your research. For example, self-reported data on lifestyle habits may have limitations in accuracy. (Note: Acknowledging these prepares you for "Handling Limitations" and "Integrating Feedback.")
Input 10	<b>Future Research Directions</b>	Suggestions for areas where further research is needed. You might suggest longitudinal studies to observe the long-term effects of lifestyle changes on obesity and heart health. (Note: This input helps in identifying "Future Research Pathways" and can contribute to "Career Development Post-Research.")
Input 11	<b>Personal Contributions</b>	This highlights your unique contributions to the research. Perhaps you developed a new survey tool or applied a novel statistical analysis method. (Note: This input is directly relevant to questions related to "Articulating Personal Contribution" and "Demonstrating Domain Commitment.")



	Input Field Title	What Kind of Input is Needed?
Input 12	<b>Ethical Considerations</b>	Discuss the ethical aspects of your research, like ensuring the confidentiality of participants' health data. (Note: This input is essential for "Ethical Considerations Defence" and maintaining integrity during the research.)
Input 13	<b>Interdisciplinary Links</b>	This input explains how your research connects to other fields. The example research links health sciences with behavioural studies and public health policy.(Note: This aligns with the output "Interdisciplinary Research Approach" and reflects the broad applicability of the research.)
Input 14	<b>Publications and Presentations Experience</b>	Detail any papers you've published or presentations you've given related to this research, demonstrating your engagement with the academic community. (Note: This experience is valuable for "Engaging with Examiners" and "Presentation Strategies.")
Input 15	<b>Examiners' Background</b>	Understanding the expertise and interests of your viva-voce examiners can help you anticipate questions and prepare more effectively. Most examiners try to link their own past experience with your research topic and ask questions. (Note: Understanding this helps tailor the viva preparation strategy, particularly in "Probable Examiner Questions" and "Responding to Unexpected Questions.")

## Iteration Outputs:



**Important**

- Generative AI is still in its infancy. Even though it has unimaginable potential, occasionally it can provide inaccurate results. Therefore, cross-check the crucial data and information that you publish in your name.
- Use Vigyana for augmenting your thinking, expanding your horizon and to generate ideas and reasoning, that are new and original. Then stitch these findings together in your own style so that you perfectly own your research.
- Follow the best practices of iteration. Always be thoughtful about your inputs, analyse your outputs, and then fine-tune/modify your inputs for better and better outputs, that lead to high-impact research.

	Output Button Title	What Do You Receive?
Output 1	<b>Viva Preparation Strategy</b>	A comprehensive guide on how to systematically prepare for your viva, tailored to the specifics of your research topic, your methodology, and your findings.
Output 2	<b>Probable Examiner Questions</b>	A list of potential questions examiners might ask, based on your research topic, methodology, findings, and the broader implications of your work.

	Output Button Title	What Do You Receive?
Output 3	<b>Critical Thinking Assessment</b>	An evaluation tool to help you critically assess your own research, encouraging deeper understanding and preparation for critical inquiries during the viva.
Output 4	<b>Demonstrating Domain Commitment</b>	Strategies and pointers on how to effectively demonstrate your dedication and depth of knowledge in the domain of your research.
Output 5	<b>Interdisciplinary Research Approach</b>	Insights into how your research bridges multiple disciplines, and guidance on articulating this interdisciplinary nature to the examiners.
Output 6	<b>Addressing Methodological Challenges</b>	Tips on how to discuss and justify the methodological choices and challenges faced during your research.
Output 7	<b>Explaining Key Findings</b>	Guidelines on effectively communicating the most significant results of your research in a clear and concise manner.
Output 8	<b>Discussing Research Implications</b>	A framework for discussing the broader impact and implications of your research findings in both academic and real-world contexts.
Output 9	<b>Handling Limitations</b>	Advice on acknowledging and addressing the limitations and challenges of your research in a constructive manner.
Output 10	<b>Future Research Pathways</b>	Suggestions on potential areas for future research, building upon the findings and limitations of your current work.
Output 11	<b>Articulating Personal Contribution</b>	Guidance on how to clearly articulate your unique contributions to the research field.
Output 12	<b>Ethical Considerations Defence</b>	Strategies for discussing and defending the ethical considerations and decisions made during your research.





	Output Button Title	What Do You Receive?
Output 13	<b>Integrating Feedback</b>	Techniques for effectively incorporating and responding to feedback received during your research process.
Output 14	<b>Responding to Unexpected Questions</b>	Tips for handling and thoughtfully responding to unexpected or challenging questions during the viva.
Output 15	<b>Post-Viva Steps</b>	Guidance on the steps to take after the viva, including implementing feedback, publication strategies, and further research.
Output 16	<b>Stress Management Techniques</b>	Techniques and strategies to manage stress and maintain composure before and during the viva.
Output 17	<b>Presentation Strategies</b>	Tips on effective presentation skills, including verbal and non-verbal communication techniques.
Output 18	<b>Engaging with Examiners</b>	Advice on how to interact effectively with examiners, including handling critique and demonstrating engagement with their questions.
Output 19	<b>Peer Learning &amp; Support</b>	Information on leveraging peer support and learning for viva preparation and research improvement.
Output 20	<b>Reflection &amp; Learning</b>	Tools for self-reflection on the research process, learning from the viva experience, and applying these insights to future work.
Output 21	<b>Career Development Post-Research</b>	Insights and strategies for leveraging your research experience for career development and advancement in academia or industry.

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