

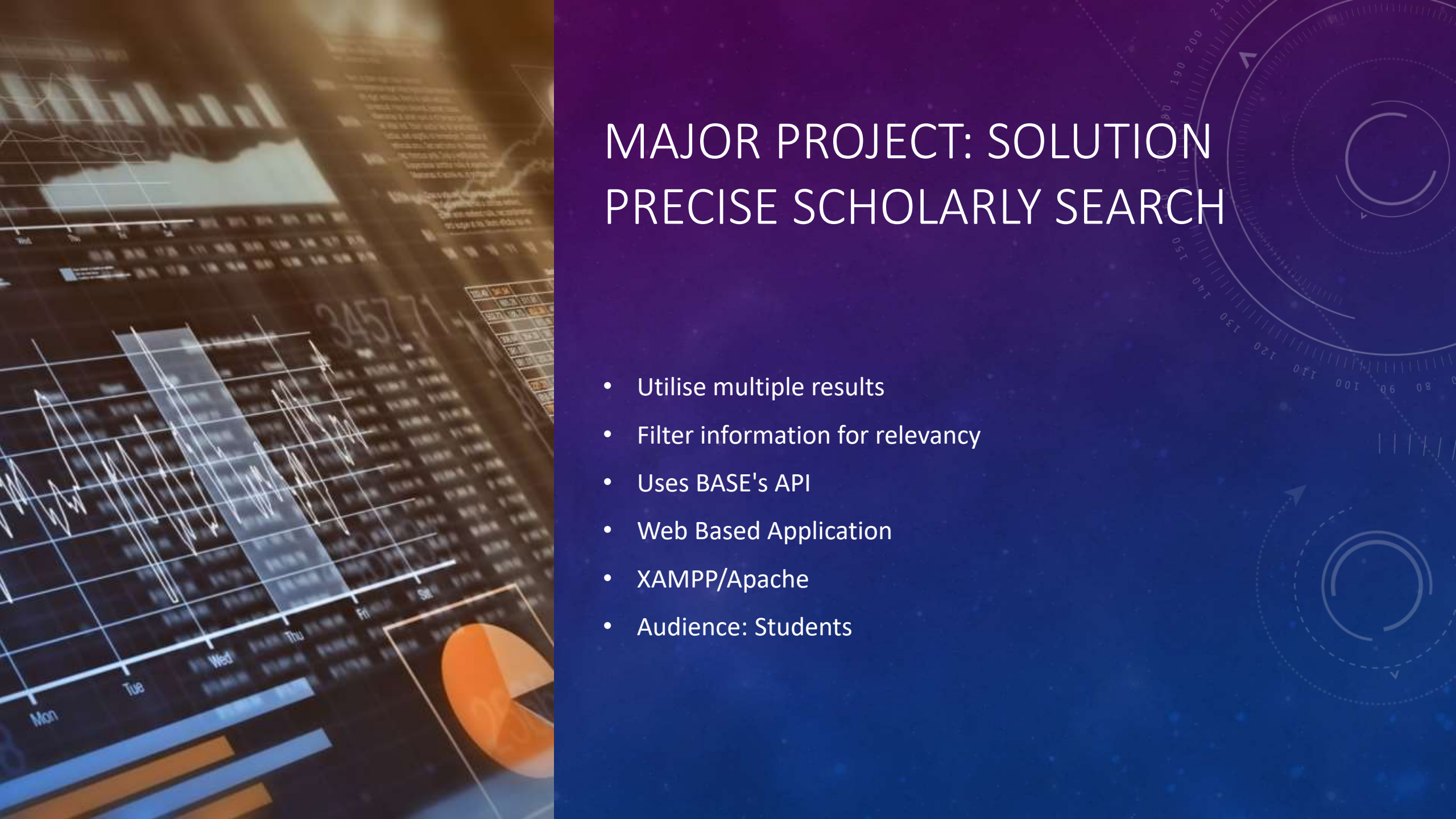
JAKE MASON
256602.

INTERIM VIVA

MAJOR PROJECT

IDEA: ISSUE

- Shortcomings of scholarly search engines
- Time
- Relevant Content
- Access to Info



MAJOR PROJECT: SOLUTION PRECISE SCHOLARLY SEARCH

- Utilise multiple results
- Filter information for relevancy
- Uses BASE's API
- Web Based Application
- XAMPP/Apache
- Audience: Students

AIMS



Investigation



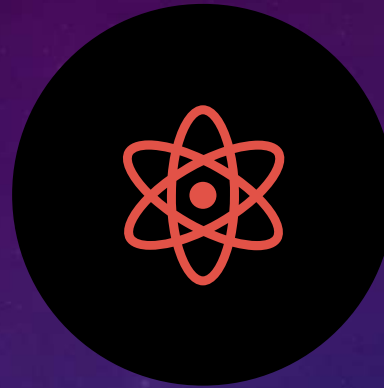
Creation



Testing



FIND SEARCH ENGINES TO
INVESTIGATE.



CHOOSE SPECIFIC TERMS/SUBJECT
FOR TESTING

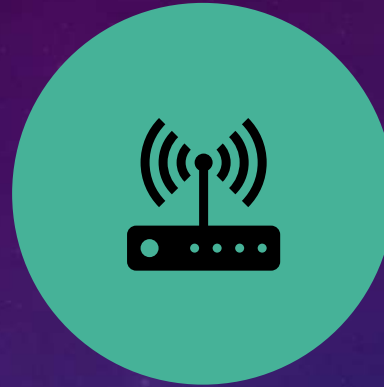


TIME TO FIND RELEVANT/USEFUL
INFO

AIM 1



APPROPRIATE
LANGUAGE AND IDE



INTERNET
CONNECTIVITY



EASE OF USE

AIM 2



SUITS ITS INTENDED
PURPOSE



SAVES TIME



TESTING



FEEDBACK AND
IMPROVEMENTS

AIM 3

STRATEGY

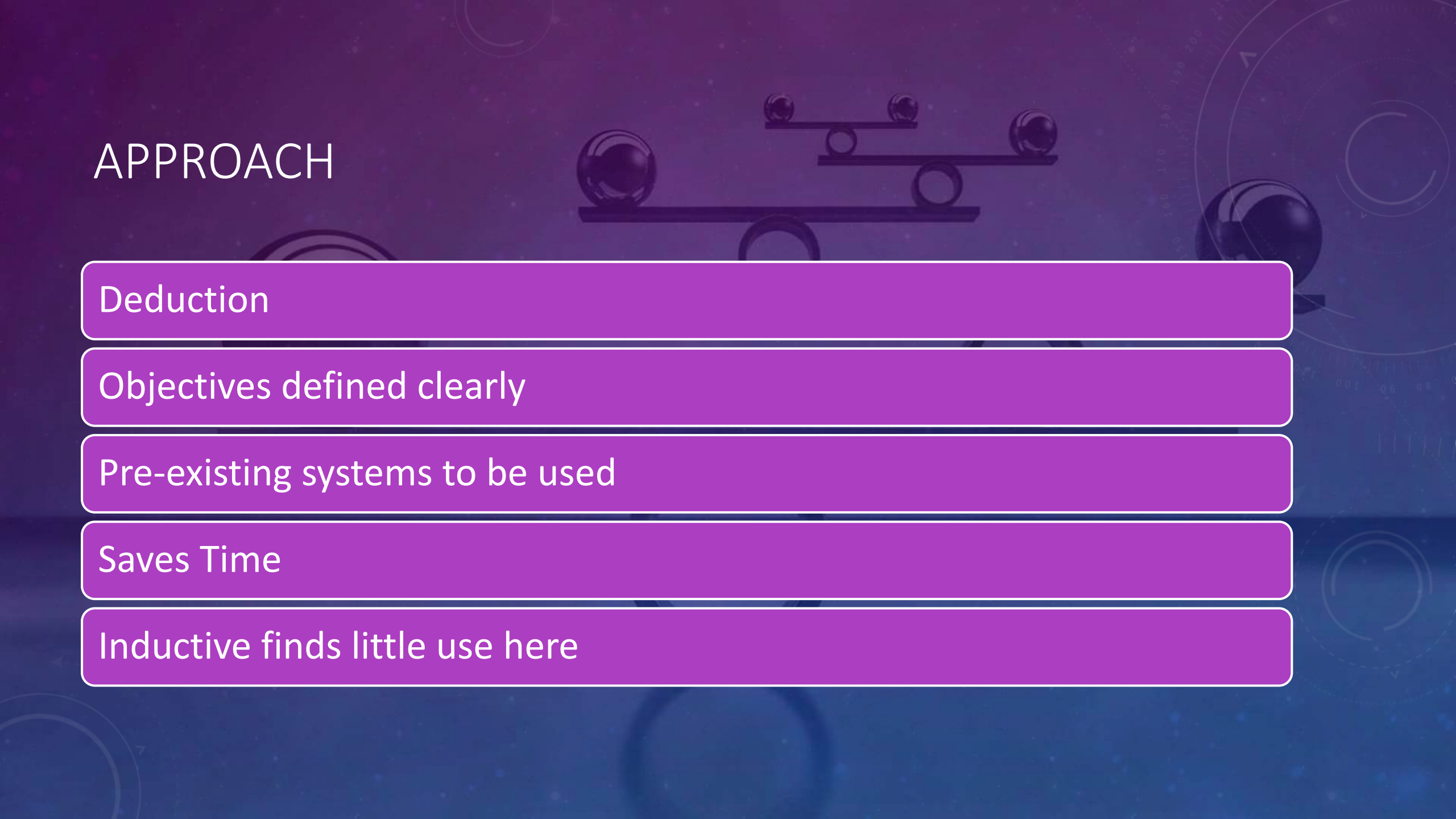
Questionnaires

'Management Research' Usefulness of Questionnaires

Feedback

Improvements

APPROACH



Deduction

Objectives defined clearly

Pre-existing systems to be used

Saves Time

Inductive finds little use here

PHILOSOPHY

Positivism and phenomenology

Positivism for primary research – quantitative.

Phenomenology for parts of primary research – open questions.

Phenomenology more useful for the secondary research.

LITERATURE REVIEW PROGRESS



STATEMENT OF
PROBLEM



AIMS AND
OBJECTIVES



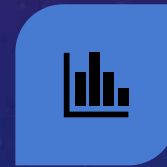
THESIS ON WHAT
CURRENTLY EXISTS
(GOOGLE SCHOLAR,
MICROSOFT
ACADEMIC SEARCH,
BASE, UNIVERSITY
LIBRARIES)



ISSUES



SOLUTION



DATA COLLECTION
METHODS



TIME HORIZON

LITERATURE REVIEW, NOTABLE ATTRIBUTIONS

- Microsoft Academic Search, not taken seriously by academics. (Orduña-Malea E, Martín-Martín A, M. Ayllon J, Delgado López-Cózar E. *The silent fading of an academic search engine: the case of Microsoft Academic Search*)
- Weaknesses of Google Scholar (E. Falagas M, I. Pitsoun E, A. Malietzis G, Pappas G. *Comparison of PubMed, Scopus, Web of Science, and Google Scholar: strengths and weaknesses*)
- Secondary Research analysis (B. Atkinson A, Brandolini A. *Promise and Pitfalls in the Use of "Secondary" Data-Sets: Income Inequality in OECD Countries As a Case Study*)

OTHER LITERATURE CITED

- Search Engine Features: Beall J (article), Google Scholar, Jascó P (Essay), Piper A (German University Paper), Bauer et al (Study)
- Algorithms: Beall J and Gipp B (Book)
- Data collection: Hox J and Boejie H (Book), Rowley J (University Paper), Johnson-Laird (Essay), J.H Bridges (Book), Flood A (Journal)

FINDINGS

- Insights generated from research into what is currently available.
- BASE and the BASE API
- Limitations of University library searches
- Secondary research
- Usefulness of different strategies, approaches and philosophies



PROTOTYPE

- Paper Plans
- Refurbished Design
- Code of choice - HTML
- IDE of chose - Brackets
- Plans for phone compatibility.

PROTOTYPE

- Paper Prototype done on train
- Basic
- Displays home page and filtered search options
- Geography
- Language
- Aspect of paper
- Type of paper
- Publication period
- Attribution
- Result limits

Home Filters

Logo Home Unit

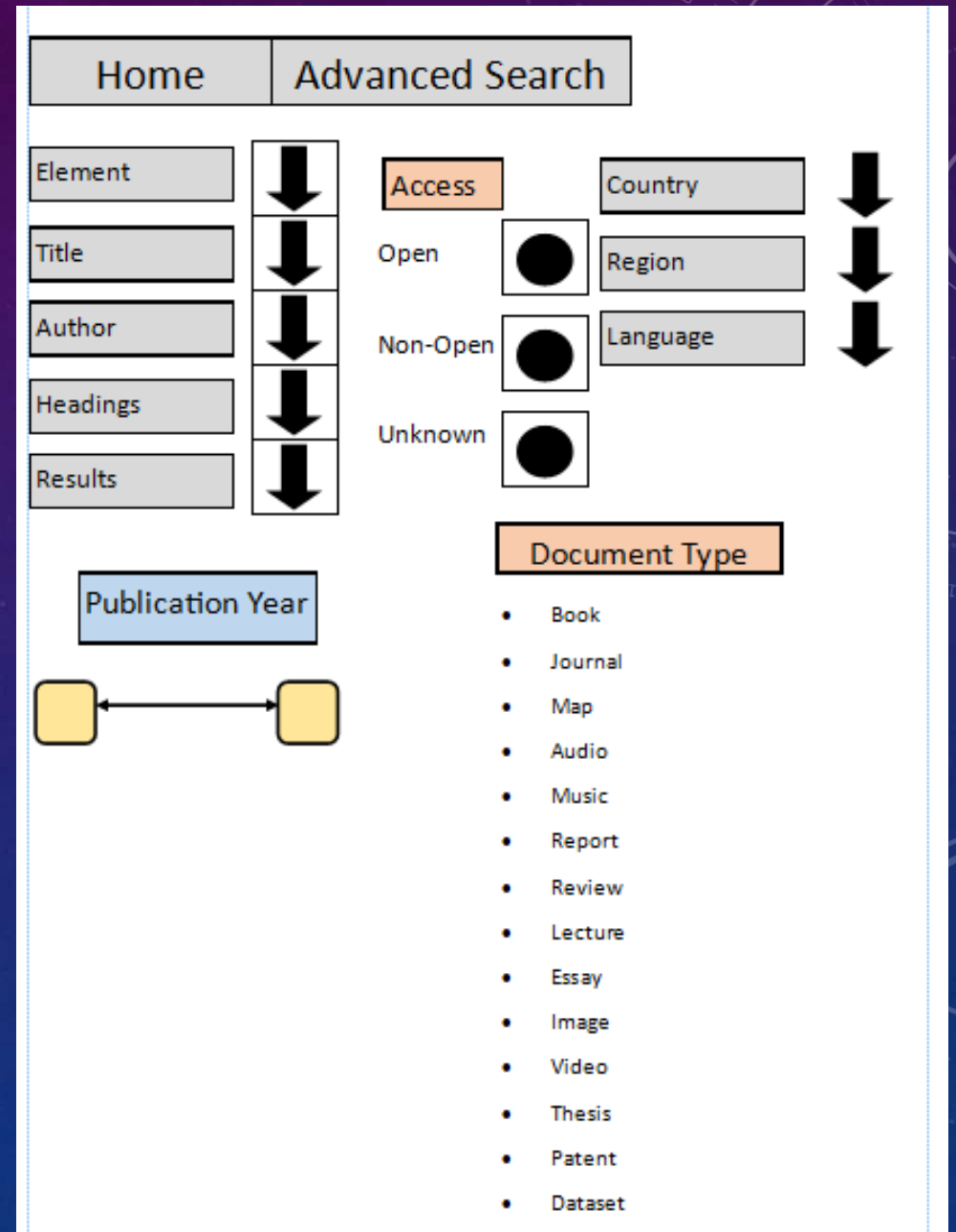
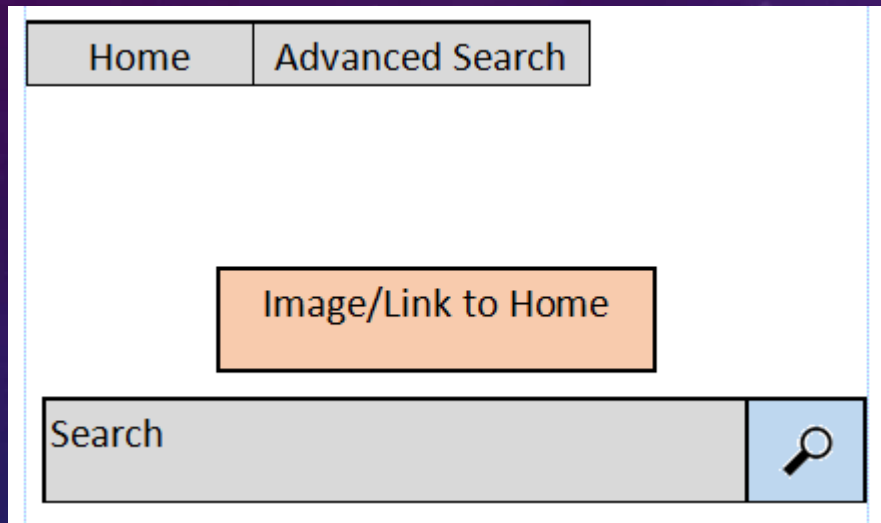
Search Bar

Home Filters

Element ☒	Access: ☒	Country ☒
Title ☒	☐ Open	Region ☒
Author ☒	☐ No	Language ☒
Headings ☒	☐ Unknown/other	
Results per page ☒		

Publication Year	Document Type
From: ☐ To: ☐	☐ Book
	☐ Journal
	☐ Map
	☐ Music
	☐ Audio
	☐ Report
	☐ Review
	☐ Lecture
	☐ Essay
	☐ Image
	☐ Video
	☐ Thesis
	☐ Patent
	☐ Dataset

PROTOTYPE



PROTOTYPE

Advanced Search

Entire Document

Title

Author

ORCID ID

Subject Headings

DOI

(Part of) URL

10 Hits per page

Boost open access documents

Access

Open Access

Non-Open Access

Unknown

Linguistic tools

Verbatim search

Additional word forms

Multi-lingual search

Content providers

Worldwide

Publication Year

From

To

Document Type

All

Text

Book

Book part

Journal/Newspaper

Article contribution

Other non-article

Conference object

Report

Review

Course material

Lecture

Manuscript

Patent

Thesis

Bachelor thesis

Master thesis

Doctoral and postdoctoral thesis

Musical notation

Image/Video

Still image

Moving image/Video

Software

Dataset

Unknown

Map

Audio

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All

Creative Commons

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CC-BY-SA

Public Domain

CCO

Software Licences

GPL

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Public Domain Mark (PDM)

BSD

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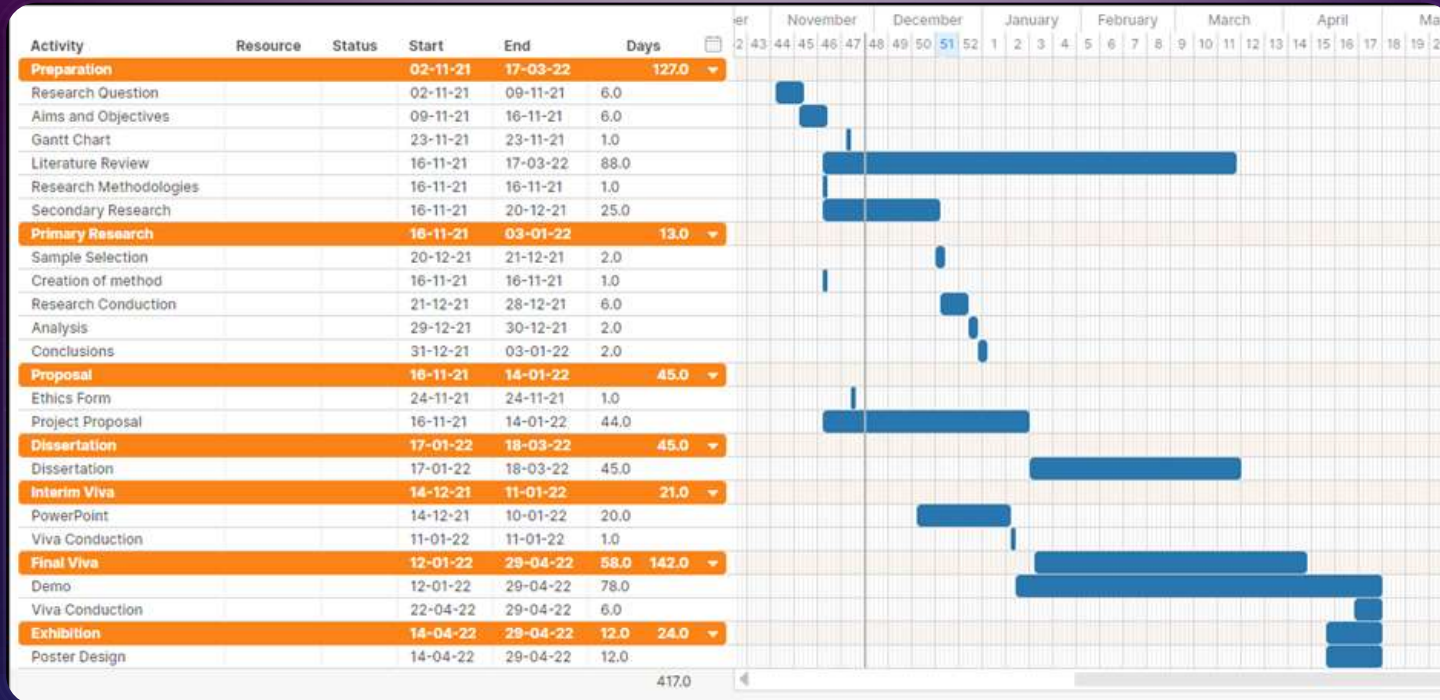
MIT

Search

Basic search Advanced search

Prototype Search Engine

PROJECT PLAN



- Gantt Chart
- Preparation
- Primary Research
- Proposal
- Dissertation
- Interim Viva
- Final Viva
- Exhibition

The background is dark gray with abstract, light gray geometric patterns. These include concentric circles, arcs, and dashed lines, some with small arrowheads indicating a clockwise or counter-clockwise direction. The patterns are scattered across the slide, with a larger circular motif in the upper right and another in the lower right.

ANY QUESTIONS?