

MyIT Consult Internship Program 2025

Understanding of **Qualitative and Quantitative Research Methodology**

Presented by

Group B

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Enhancing Interns' **Understanding of Qualitative and Quantitative Research Methodology**

Objective:

To equip interns with a comprehensive understanding and practical skills in both quantitative and qualitative research methodologies.



Introduction to **Research Methodology**

What is Research Methodology?

- Systematic approach to solving research problems.
- Crucial for evidence-based decision-making.

Two Core Approaches:

- **Quantitative Research:** Focuses on numerical data, statistics, and measurable outcomes.
- **Qualitative Research:** Focuses on understanding experiences, perspectives, and non-numerical data.



Structure & Duration

Interactive Learning Approach

- **Exposition / Workshop:** In-depth class teachings and group discussions.
- **Intern Grouping:** Interns split into two groups for focused learning:
 - Qualitative Group
 - Quantitative Group
- **Purpose of Splitting:** Reduce class size, encourage participation, and ensure thorough exposure. Interns will swap groups.

Duration

- Each group: 2 weeks (2 hours per session, daily).
- 1 week for Qualitative Classes, 1 week for Quantitative Classes.



Quantitative Research Methodology

Breakdown

A Week of Data & Statistics

- **Day 1:** Introduction to Research Methodology (general).
- **Day 2:** Quantitative Research: Objectives, concepts, data collection techniques, methods, tools.
- **Day 3:** Statistical Analysis: Introduction, tools (Excel, SPSS, STATA), usage.
- **Day 4:** Designing Surveys & Questionnaires: Tools & practical application.
- **Day 5:** Class Activity: Gather research materials, analyze projects using quantitative methods.
- **Day 6:** Class Activity: Design a questionnaire/survey using a tool of choice.
- **Day 7:** Review/Presentation: Interns present, peer reviews, adjustments.



Qualitative Research Methodology

Breakdown

A Week of Insights & Understanding

- **Day 1:** Introduction to Research Methodology (general).
- **Day 2:** Qualitative Research: Objectives, key concepts, etc.
- **Day 3:** Analyzing Qualitative Data: Types of analytical tools, usage.
- **Day 4:** In-depth knowledge of analytical tools.
- **Day 5:** Class Activity (e.g., conducting mock interviews, transcribing data).
- **Day 6:** Class Activity (e.g., thematic analysis exercise, coding practice).
- **Day 7:** Class Activity (e.g., presenting qualitative findings, discussion).



Key Inputs for Success

Essential Resources

- **Expertise:** Professional/skilled tutors.
- **Technology:** Analytical tools, survey/questionnaire tools (Kobo, Excel, SPSS, Tableaux, Power BI, Toolbox).
- **Partnerships:** Collaborations with communities, survey companies, individuals.
- **Materials:** Educational resources, handouts, guides, examples.
- **Logistics**(where applicable): Venue, internet access, stationery.
- **Practice:** Practice data for exercises.



Intended Outcomes

What We Aim to Achieve

- **Enhanced Knowledge:** Clear understanding of quantitative vs. qualitative approaches.
- **Increased Participation:** Active engagement in both research groups.
- **Tool Proficiency:** Efficient use of research tools.
- **Boosted Confidence:** Interns feel more capable in real-world research.
- **Research Skills:** Ability to create good questions, collect, organize, and understand data.
- **Professional Growth:** Increased number of research methodology professionals.



Long-Term Impact

Broader Benefits for Interns & Organizations

- Improved analytical skills.
- Enhanced problem-solving ability.
- Significant career development.
- Improved communication skills.
- Increased employability opportunities.
- Better planning & execution of projects, leading to improved outcomes.
- More young people with strong research skills.
- Higher quality research within organizations.
- Improved decision-making based on robust evidence.



Monitoring Question (During the Internship)

Quantitative Research Understanding:

- Are interns able to identify and use basic quantitative data collection tools (e.g., surveys, questionnaires)?
- Are interns learning how to develop and apply structured data collection instruments?
- Are interns correctly applying sampling techniques in data collection?
- Are interns actively involved in collecting, cleaning, and analysing numerical data?
- How well are interns using statistical tools (e.g., Excel, SPSS, STATA) to analyse data?

Qualitative Research Understanding:

- Are interns engaged in conducting interviews, focus group discussions, or observations?
- Are interns able to differentiate between qualitative and quantitative data in practice?
- How effectively are interns documenting field notes or qualitative narratives?
- Are interns receiving adequate guidance on qualitative analysis and interpretation?



Evaluation Question (After the Internship)

Knowledge and Skill Development:

- To what extent has the internship enhanced interns' understanding of quantitative and qualitative research methodologies?
- What specific research tools or methods have interns become confident in using?
- How well can interns explain the differences between quantitative and qualitative research approaches?
- Can interns design a basic research framework incorporating both methodologies?

Practical Application:

- Were interns able to apply quantitative and qualitative research skills during project monitoring?
- What challenges did interns face in using either quantitative or qualitative methods, and how were these addressed?
- How did interns integrate both types of data (mixed methods) in monitoring project processes?

Learning Outcomes:

- How has participation in monitoring activities deepened interns' critical thinking and analytical skills?
- What feedback do interns have about the training or mentoring received on research methodology?
- What recommendations do interns have to improve the integration of research methodology learning into future internship projects?



Monitoring

Tracking Progress & Learning

Objective: To track the progress of the internship program.

Key Activities:

- Developing a Monitoring Plan.
- Routine Data Collection.
- Field Visits and Observations.
- Verification of Outputs.
- Data Analysis and Reflection.
- Feedback to Project Teams.

Tools & Methods:

- Attendance registers.
- Assignment trackers.
- Observation checklists during surveys.



Evaluation (End of Internship)

Assessing Effectiveness & Impact

- **Objective:** To assess the effectiveness and impact of the internship at the end of the program.

Key Activities:

- Pre/post-training assessments of intern knowledge and skills.
- Final evaluation survey and interviews with interns.
- Review of class activities, presentations, and peer assessments.

Tools & Methods:

- Pre/post-tests to measure knowledge gained.
- Internship evaluation forms.



Accountability

Ensuring Transparency & Responsiveness

- **Objective:** To ensure transparency, responsiveness, and feedback mechanisms are in place for interns and stakeholders.

Key Activities:

- Create channels for interns to provide feedback or complaints.
- Ensure tutors and coordinators are responsive to intern concerns.
- Document actions taken based on intern feedback.

Tools & Methods:

- Suggestion boxes or anonymous feedback forms.
- Weekly feedback sessions.
- A feedback log maintained by the admin team.



Learning

Reflecting for Continuous Improvement

Objective: To reflect on what worked, what didn't, and how future internship programs can be improved.

Key Activities:

- Organize a learning review workshop at the end of the internship.
- Document lessons learned and best practices.

Tools & Methods:

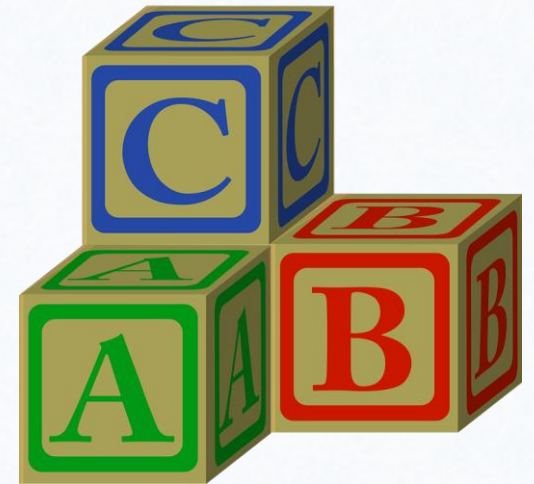
- After Action Reviews.
- Learning logs/summary reports.



Key **Assumptions**

Foundations for the Program's Success

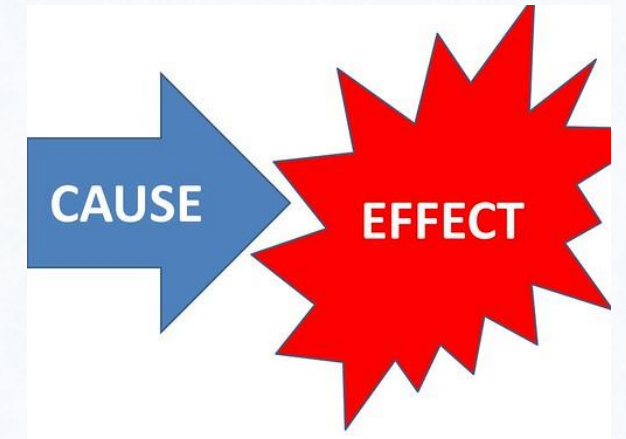
- Interns are motivated and have basic academic preparedness.
- Trainers can effectively teach complex concepts.
- Organizations provide opportunities for skill application.
- Resources (funding, tools, time) are sufficient.



Theory of Change (ToC)

Our "If... and... then..." Model

- **IF** we provide qualified tutors, deliver interactive classes, hands-on practice, accessible materials, and real-world projects
- **AND** ensure organizational support for applying learned skills
- **THEN** interns will gain a comprehensive understanding of qualitative and quantitative research methodologies.



Any Questions?



Participating Members

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Thank You!

