

## Course Title:

# Introduction to Research Fundamentals and AI Tools:

## Course Description:

Unlock the essentials of research and the transformative power of AI tools with our comprehensive course designed for beginners. Whether you're a student, early-career researcher, or professional, this course will equip you with the foundational knowledge and practical skills needed to excel in research and harness AI technology.

## Key Features:

- **Comprehensive Curriculum:** Covers the entire research process, from formulating research questions to reporting and presenting findings.
- **Hands-On Learning:** Includes practical exercises to apply concepts and use AI tools effectively.
- **Expert Instruction:** Learn from experienced instructors with real-world research and AI expertise.
- **Cutting-Edge AI Tools:** Get hands-on experience with the latest tools such as Zotero, Connected Papers, Qualtrics, IBM SPSS, and more.

- Flexible Learning: Designed for flexibility to accommodate diverse schedules and backgrounds.

## Course Outline:

- Introduction to Research – Understand research fundamentals, types, and the role of AI tools.
- Developing Research Questions and Literature Review – Formulate questions, conduct reviews, and use AI tools like Zotero and Semantic Scholar.
- Research Design and Methodology – Explore research designs, sampling, and data collection with tools such as Qualtrics.
- Data Analysis and Interpretation – Analyze and interpret data using tools like IBM SPSS and NVivo.
- Reporting and Presenting Research – Learn report writing, presentation skills, and AI tools for enhancing communication.

## Who Should Enrol:

- Undergraduate and Graduate Students in any field
- Early-Career Researchers looking to enhance their skills
- Professionals in research-related roles
- Anyone interested in integrating AI tools into their research practice

## Benefits of the Course:

- Gain Practical Skills: Learn to use AI tools to streamline and enhance research processes.
- Enhance Your Resume: Build skills that are highly valued in academic and professional research settings.
- Stay Updated: Keep up with the latest advancements in research methodologies and AI technology.

- Networking Opportunities: Connect with peers and instructors in the field of research and AI.

## Course Format:

- Duration: 2 Weeks, 5 Days a week, 2 Hours per Day
- Delivery Method: online
- Certification: Receive a certificate upon successful completion from Health Services Academy.