

# AI-Powered Academic Research

## PROGRAMME DESCRIPTION

This workshop aims to equip educators and researchers with the knowledge, skills and competencies required for conducting real-world research in healthcare based on action research principles.

Through a hands-on approach, participants will actively understand and apply research process to generate the research question from their practice, design the research methodology, conduct literature review, use AI and technology to enable the process, and report the results of the research.



**DURATION: 1.5 DAYS**

## PROGRAMME CONTENT

This programme comprises the following learning topics:

- Introduction to Generative AI in Healthcare Research
- Crafting Effective Research Questions
- Literature Review with AI Tools
- Study Design in Healthcare Research
- Methodology for Healthcare Research Proposals
- Ethical Considerations in Using AI for Healthcare Research
- Developing the Research Protocol with AI Assistance
- Presentation and Peer Review



## TARGET AUDIENCE

Educators and researchers eager to harness AI's potential to enhance their academic research abilities.

## LEARNING OUTCOMES

At the end of the programme, participants will be able to:

- Understand the rationale and motivation for research in healthcare.
- Describe the various types of research available for healthcare professionals.
- Apply the model/resources discussed to generate research opportunities in your practice.

## METHODOLOGY

This programme is designed to be an interactive learning experience for participants. Methodologies used will include:



Formal presentations



Group Discussions



Hands-on activities in using IT applications



Project Presentations

## TRAINING CAPACITY

30 participants per run

## ABOUT THE ORGANISER

Officially established on 19 July 2002, the NHG College plays an instrumental role in facilitating the continuous learning and development of our workforce, as well as, promoting systems improvement and driving leadership development in NHG Health. NHG College collaborates with renowned institutions and industry partners to build the pipeline and collective capacities of our leaders, educators, healthcare professionals and staff to support NHG Health in serving and managing the health of our patients and the population.

For enquiries on Education and Faculty Development courses, please visit our website by scanning the QR code below or email us at: [nhggroup.college@nhghealth.com.sg](mailto:nhggroup.college@nhghealth.com.sg)

