



WHO Collaborating Centre  
Health Innovations

Health Technology  
Assessment in India (HTAIn)



# 9th International Fellowship on **HEALTH TECHNOLOGY ASSESSMENT (HTA)**

**18<sup>th</sup> - 24<sup>th</sup> March 2024**

**Venue:** Kalam Convention Center  
C/o AMTZ Campus, Pragati Maidan, V M Steel Project S O,  
Visakhapatnam, Andhra Pradesh- 530031 India



# 9th International Fellowship on Health Technology Assessment

The 9th International Fellowship on Health technology assessment is being launched to promote the advancement of knowledge and expertise in health technology assessments. By offering this fellowship, KIHT aims to equip participants with the latest methodologies, best practices, and insights in HTA, empowering them to become leaders in the field.

## Program Benefits:

- **Conceptual Mastery in HEOR:** Achieve expert-level understanding in Health Economics and Outcomes Research (HEOR) through direct engagement with global leaders, delving into intricate concepts for a nuanced comprehension.
- **Consulting Excellence:** Develop indispensable consulting skills by actively participating in discussions with industry experts, honing the ability to offer strategic insights tailored to the complex landscape of HEOR.
- **Research Methodologies Expertise:** Gain hands-on proficiency in crafting and executing precise HEOR studies, covering study design, evidence synthesis, and advanced modeling techniques to elevate your practical skill set.
- **Technological Proficiency in HEOR:** Familiarize yourself with cutting-edge software tools and platforms, refining your technical prowess. Your hands-on experience will make you adept at leveraging the latest technological advancements specific to HEOR.
- **Global Networking Precision:** Join a dynamic global network of HEOR researchers and experts, fostering precise collaboration, targeted idea exchange, and staying abreast of the latest developments in the ever-evolving landscape of health economics and outcomes research.
- Successfully completed projects will be published in The International Journal of Health Technology and Innovation (IJHT)

## Who should attend?

- Healthcare Policy makers and Regulators
- Medical Professionals and Practitioners
- Health Economist and Researchers
- Healthcare Industry and Innovators
- Academicians and Students
- Hospital Administrators

## Day 1 (18.03.2024) - Monday

Session no.	Time	Session	Format	Presenter / Resource Person
1.1	08:30- 09:30	Registration of fellowship program		
1.2	09:30-10:00	Inauguration- Lamp Lighting		All the speakers
1.3	10:00-10:15	Inaugural address		Manisha/ Annie J/ EMC2 Team  Dr. Jitendra Sharma, Executive Director, Kalam Institute of Health Technology
1.4	10:15-11:00	Recent trends and advancements in HEOR – Global and Indian perspective	Panel Discussion	Dr. Jitendra Sharma, Executive Director, Kalam Institute of Health Technology
			Moderator: Dr. Kavita Kachroo, COO, KIHT	Prof. Prakesh S Shah, University of Toronto, Canada
				Dr. Anuj Mubayi, Intercollegiate Biomathematics Alliance, ISU, USA; Kalam Experts, India
				Dr. Ashoo Grover, Scientist F, Indian Council of Medical Research (ICMR)
				Dr. Shyama Nagarajan, Academy of Hospital Administration (AHA), India
11:00-11:15		Tea break		
1.5	11:15 – 13:15	Research Methodology	Interactive presentation	Prof. Prakesh S Shah, University of Toronto, Canada
		Introduction to Research Methodology		
		Systematic Reviews & Meta-analyses		
13:15-14:15		Lunch break		
14:15 - 15:00		Allocation of groups and activity		
1.6	15:00- 16:30	The intricacies of crafting a search strategy during literature review	Online presentation	Prof. Ritin Fernandez, University of Newcastle, Australia
16:30 - 16:45		Tea break		

## Day 2 (19.03.2024) - Tuesday

Session No.	Time	Session	Format	Presenter/ Resource Person
2.1	09:30 – 11:00	Critical Appraisal	Interactive presentation	Prof. Prakesh S Shah, University of Toronto, Canada
		Data extraction and synthesis		
11:00 – 11:15		Tea break		
2.1.1	11:15- 13:15	Exercise 2: Critical Appraisal and Validation of the results, Interpretation of Forest Plots	Hands-on	Prof. Prakesh S Shah, University of Toronto, Canada
13:15 – 14:15		Lunch break		
14:15 – 16:15		Campus Tour		
16:15 – 16:30		Tea break		
2.1.2	16:30-18:00	Exercise 4: Introduction to Covidence, RevMan and Open-meta	Hands-on	Prof. Prakesh S Shah, University of Toronto, Canada

## Day 3 (20.03.2024) – Wednesday

Session No.	Time	Session	Format	Presenter/ Resource Person
3.1	09:30- 11:00	Introduction to cost-effectiveness analysis and quality-adjusted life years	Interactive presentation	Prof. Anirban Basu, University of Washington, USA
11:00- 11:15		Tea break		
3.1.1	11:15-13:00	Introduction to Decision Trees & Markov Model	Interactive presentation	Prof. Anirban Basu, University of Washington, USA
		Hands-on Decision Tree Modeling in Excel and to calculate QALYs, LYs	Hands-on	
13:00-14:00		Lunch Break		
3.2	14:00-15:00	Introduction to Modeling Costs in CEA	Interactive presentation	Prof. Anirban Basu, University of Washington, USA
3.3	15:00-16:00	Hands-on Markov Modeling in Excel and to calculate QALYs, LYs	Hands-on	
16:00- 16:15		Tea break		
3.4	16:15-17:30	Group Exercise on budget allocation	Hands-on	Prof. Anirban Basu, University of Washington, USA

## Day 4 (21.03.2024) - Thursday

Session No.	Time	Session	Format	Presenter/ Resource Person
4.1	10:00 – 12:00	Introduction to Causal Inference & Machine Learning in Statistics	Interactive presentation	Prof. Anirban Basu, University of Washington, USA
12:00–13:00		Lunch break		
4.2	13:00–14:00	Use of claims data in Health Technology Assessment	Online presentation	Dr. Shayhana Ganesh, Momentum, South Africa
4.3	14:00–16:00	Statistical Concepts in Health Technology Assessment	Interactive presentation	Dr. Anuj Mubayi, Intercollegiate Biomathematics Alliance, ISU, USA; Kalam Experts, India
16:00–16:15		Tea Break		
4.4	16:15–17:00	Optimizing Resource Allocation: Integrating Public Health and Healthcare Management for Sustainable Health Economics	Interactive presentation	Dr. Keerti Bhusan Pradhan, Chitkara University, India



## Day 5 (22.03.2024) - Friday

Session No.	Time	Session	Format	Presenter/ Resource Person
5.1	09:30 - 10:30	Costing of Health Services: Concepts and Principles	Online presentation	Dr. Shankar Prinja, Postgraduate Institute of Medical Education & Research, India
5.2	10:30 - 11:15	Use of Cost Database for Economic Evaluation	Interactive presentation	Dr. Neha Purohit, Postgraduate Institute of Medical Education & Research, India
11:15- 11:30		Tea break		
5.2.1	11:30 - 12:15	Exercise 6: Extraction of Cost Data from Cost Database	Hands-on	Dr. Neha Purohit, Postgraduate Institute of Medical Education & Research, India
5.3	12:15 - 13:15	Valuation of Health Outcomes: Tools for Health Utility	Interactive presentation	Dr. Gaurav Jyani, Postgraduate Institute of Medical Education & Research, India
13:15-14:15		Lunch break		
5.4	14:15 - 15:45	Exercise 7: Interpretation of CEA Plane and CEA Curve, Displaying results on the CE plane, Confidence intervals for CE ratios	Hands-on	Dr. Neha Purohit, Dr. Gaurav Jyani, Postgraduate Institute of Medical Education & Research, India
	15:45 - 16:45	Introduction to Budget Impact Analysis	Online presentation	Dr. Shankar Prinja, Postgraduate Institute of Medical Education & Research, India
5.5	16:45 - 17.30	Real World data in Health Technology Assessment: Opportunities, Challenges and Future directions	Online presentation	Dr. Angela Brand, Manipal School of Life Sciences, India
17:30-17:45		Tea break		
5.6	17:45 - 18.15	Exercise 8: Working with SIDDHI	Hands-on	Mr. Keerthan R M, Scientist B, Kalam Institute of Health Technology, India

## Day 6 (23.03.2024) - Saturday

Session No.	Time	Session	Format	Presenter/ Resource Person
6.1	09:30- 11:30	Bootstrapping simulation	Interactive presentation	Dr. Anuj Mubayi, Intercollegiate Biomathematics Alliance, ISU, USA; Kalam Experts, India
		Infectious disease modeling		Dr. Sudipa Chauhan, Institute of Health Economics, Canada; Kalam Experts, India
		Value messages and flower with respect to socio- determinants of health		
11:30- 11:45		Tea break		
6.2	11:45-13:15	Value of information analysis	Interactive presentation	Dr. Anuj Mubayi, Intercollegiate Biomathematics Alliance, ISU, USA; Kalam Experts, India
		Return of Investment		Dr. Sudipa Chauhan, Institute of Health Economics, Canada; Kalam Experts, India
		Survey of software in HEOR		
	13:30- 14:30	Lunch Break		
6.3	14:30-16:30	Research Framework	Hands-on	Dr. Phani Veeranki, Optum, USA; Kalam Experts, India
		Industrial Experience; Defining the Research Question and Developing a Protocol		
		Defining the Research question - small group exercise		
		Exercise 9: Presentation of research question by groups		
16:30 - 16:45		Tea Break		
6.4	16:45-18:15	Introduction to R and R Studio for Economic Evaluation	Online presentation	Dr. Howard Thom, University of Bristol
		Estimating Probabilities, Cost and Utilities in R		
6.5	18:15-19:00	Data Visualization	Interactive presentation	Dr. Anuj Mubayi, Intercollegiate Biomathematics Alliance, ISU, USA; Kalam Experts, India



## Day 7 (24.03.2024) - Sunday

Session No.	Time	Session	Format	Presenter/ Resource Person
7.1	09:30- 11:15	Legal and ethical dimensions in HTA	Interactive presentation	Dr. Kavita Kachroo, Kalam Institute of Health Technology, India
		Ethical principles in research & cost-effectiveness analyses		
		Regulatory frameworks to conduct RWE study in India.	Interactive presentation	Mr. Somnath Basu, Andhra Pradesh Medtech Zone, India
11:15- 11:30		Tea break		
7.2	11:30-13:00	Key Global Value Frameworks	Interactive presentation	Dr. Kavita Kachroo, Kalam Institute of Health Technology, India
13:00-14:00		Lunch Break		
7.3	14:00-16:00	Exercise 10: Decision Tree and Markov Model in R	Hands-on	Dr. Anuj Mubayi, Intercollegiate Biomathematics Alliance, ISU, USA; Kalam Experts, India
7.4	16:00-17:30	Project Delivery	Interactive presentation	Dr. Phani Veeranki, Optum, USA; Kalam Experts, India
		Proposal writing		
		Storyboard		
		Project Management		
7.5	17:30-18:00	Success Stories	Interactive presentation	Dr. Kavita Kachroo, Kalam Institute of Health Technology, India
18:00-18:15		Tea Break		
7.6	18:15-19:00	Certificate Distribution & Valedictory Note		

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## Venue

Kalam Convention Center, C/o AMTZ Campus, Visakhapatnam

## Contact Us

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