

Title of Course: Medical Innovation and Entrepreneurship

Course Code: NPIAS -VAC-004

Course Objective: This course explores the intersection of healthcare, innovation, and entrepreneurship. It provides students with the knowledge and skills to develop, assess, and implement innovative medical technologies, while introducing the principles of entrepreneurship that guide business development in the medical field.

Syllabi of Course:

UNIT-1: Introduction to Medical Innovation

6 Hrs.

Overview of Innovation in Healthcare, Healthcare Needs and Opportunities for Innovation

Unit 2: Fundamentals of Medical Entrepreneurship

6 Hrs.

Basics of Entrepreneurship, Launching a Medical Startup

Unit 3: Research, Development, and Prototyping

6 Hrs.

Research and Development (R&D) in Medical Innovation, Prototyping and Testing Medical Innovations

Unit 4: Commercialization and Go-to-Market Strategy

6 Hrs.

Funding Medical Innovations, Go-to-Market Strategies

Unit 5: Scaling, Sustainability, and Future Trends

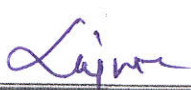
6 Hrs.

Scaling Medical Innovations, Sustainability and Ethical Considerations

Suggested Reading:

Preiksaitis, C., Dayton, J. R., Kabeer, R., Bunney, G., & Boukhman, M. (2023). Teaching principles of Medical Innovation and Entrepreneurship through hackathons: Case Study and qualitative analysis. *JMIR Medical Education*, 9(1), e43916.

Chandra, A. (2020). Innovation and Entrepreneurship in Health Care. In *The Role of Innovation and Entrepreneurship in Economic Growth*. University of Chicago Press.


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