



Micro-credential Program

LEADERSHIP Micro-credential Course Outline

Introduction

LEAP for Public Interest Technology Meet your Instructors – Leadership Leading AI Efforts AI for Non-profit Organization Leaders

Module 1 | Inclusive Leadership for Non-profit Organizations

1.1 | Inclusive Leadership Overview
1.2 | Inclusive Leadership
1.3 | Communication
1.4 | Negotiation
1.5 | Activity - Tolerance for Ambiguity
Quiz | Module 1
Module 1 References/Resources

Module 2 | Emotional Intelligence for Organizational Leaders

- 2.1 | Emotional Intelligence Overview
- 2.2 | Emotional Intelligence and Leadership
- 2.3 | Emotional Intelligence (EI)
- 2.4 | Your Brain on Emotions
- 2.5 | Building El
- 2.6 | EI and Conflict
- 2.7 | Managing Conflict
- 2.8 | Activity Keirsey Test
- Quiz | Module 2

Module 2 References/Resources

Module 3 | Strategic Planning for Non-profit Organizations

- 3.1 | Strategic Planning Overview
- 3.2 | Artificial Intelligence (AI) and Nonprofit's Mission and Goals
- 3.3 | The Basics of Strategic Thinking and Planning
- 3.4 | Strategic Plan Development: Situation Analysis
- 3.5 | Strategic Plan Development: Vision & Mission
- 3.6 | Strategic Plan Development: Values
- 3.7 | Activity Organizational Strategy
- Quiz | Module 3

Module 3 References/Resources

Module 4 | Applying Change Models to Projects or Organizations

- 4.1 | Managing Change Overview
- 4.2 | What Is Change?
- 4.3 | Awareness of Change



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4.4 | Bottom-up or Top-down?
4.5 | Culture and Skills Needed for Change
4.6 | Types of Change Models
4.7 | Leading and Managing Change
4.8 | Activity - Concept Mapping
Quiz | Module 4
Module 4 References/Resources

Module 5 | Ethical Issues for Non-profit Organizations

5.1 | Ethical Issues Overview

- 5.2 | Ethics in Leadership
- 5.3 | Organizational Ethics
- 5.4 | Common Ethical Dilemmas
- 5.5 | Personal Ethics and Values
- 5.6 | Ethical Decision-Making Process
- 5.7 | Activity Values Reflection

Quiz | Module 5

Module 5 References/Resources

Course Completion/ Evaluation survey





Micro-credential Program

ENTREPRENEURSHIP Micro-credential Course Outline

Introduction

LEAP for Public Interest Technology Meet your Instructor - Entrepreneurship Entrepreneurship

Module 1 | Intra(Entre)preneurship Fundamentals

- 1.1 | The Entrepreneurial Mindset Overview
- 1.2 | Intrapreneurship
- 1.3 | Entrepreneurial mindset
- 1.4 | Be a Champion for your Idea
- 1.5 | Entrepreneurship in Public Interest Technology
- 1.6 | Activity Entrepreneurial Mindset

Quiz | Module 1

Module 1 References/Resources

Module 2 | Value Proposition for Non-profit Organizations

- 2.1 | Value Proposition and Customer Discovery Overview
- 2.2 | Social Entrepreneurship
- 2.3 | Value Proposition
- 2.4 | Customer Discovery
- 2.5 | Activity Value Proposition
- Quiz | Module 2

Module 2 References/Resources

Module 3 | Innovation for Non-profit Organizations

- 3.1 | AI and Entrepreneurship Innovation Overview
- 3.2 | Human Centered Design and Societal Problems
- 3.3 | PIT Entrepreneurial Examples
- 3.4 | Design Thinking Innovative Design Defined
- 3.5 | Innovation and Problem-Solving
- 3.6 | Structured Problem-Solving Models
- 3.7 | Activity Problem Solving Model

Quiz | Module 3

Module 3 References/Resources

Module 4 | Marketing for non-profit organizations

- 4.1 | Marketing Overview
- 4.2 | Bootstrapping and Public Funding
- 4.3 | Funding Source Basics
- 4.4 | Pitching Your Idea
- 4.5 | Activity Create Your Pitch
- Quiz | Module 4
- Module 4 References/Resources

Course Completion/ Evaluation survey





Micro-credential Program

ARTIFICIAL INTELLIGENCE (AI) Micro-credential Course Outline

Introduction

LEAP for Public Interest Technology Meet your Instructor - Artificial Intelligence Artificial Intelligence

Module 1

1.1 | Overview
1.2 | Interview with Edward Lada
1.3 | Machine Learning
1.4 | Data
1.5 | Data Science
1.6 | What AI Can and Can't Do
1.7 | Deep Learning
1.8 | AI for Non-Profits
Quiz | Module 1
Module 1 References/Resources

Module 2

2.1 | Artificial Intelligence
2.2 | Interview with Dr. Jen Wagner
2.3 | AI or Analytics
2.4 | The Real Estate Marketplace Example
2.5 | Supervised Learning
2.6 | Unsupervised Learning
2.7 | Areas to Implement AI
Quiz | Module 2
Module 2 References/Resources

Module 3

3.1 | Data
3.2 | Interview with Daren Coudriet
3.3 | Data Strategy
3.4 | Open Data
3.5 | Evaluating Data
Quiz | Module 3
Module 3 References/Resources

Module 4

- 4.1 | AI Workflows
- 4.2 | Business Driven Al Innovation
- 4.3 | Discovery Scouting for AI Opportunities
- 4.4 | Prioritization Evaluating AI Projects
- 4.5 | Validation Analyzing Risks



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4.6 | Deconstructing an Al Product4.7 | Al Team4.8 | WorkflowQuiz | Module 4Module 4 References/Resources

Module 5

5.1 | Overview of Assuring Success
5.2 | Real World Example
5.3 | Project Pitfalls
5.4 | Anki
5.5 | IBM Watson in Oncology
5.6 | Avoiding Pitfalls
Quiz | Module 5
Module 5 References/Resources

Module 6

6.1 | Overview of Case Studies
6.2 | Real World Example
6.3 | Ada Health
6.4 | CENTURY Tech
6.5 | Activity
Quiz | Module 6
Module 6 References/Resources
Course Completion/Evaluation survey





Micro-credential Program

POLICY Micro-credential Course Outline

Introduction

LEAP for Public Interest Technology Meet your Instructor - Policy

Module 1

1.1 | Policy for PIT Introduction
1.2 | What is Public Interest?
1.3 | How Can AI Help Public Interest Groups Inform and Influence Public Policy
1.4 | How to Identify Your Policy Question
1.5 | Activity - Develop Your Policy Question
Quiz | Module 1
Module 1 References/Resources

Module 2

2.1 | Understanding the Nature and Accessibility of Data
2.2 | Public Data
2.3 | Data Quality
2.4 | Activity - Identify Your Data Set
Quiz | Module 2
Module 2 References/Resources

Module 3

3.1 | How Public Interest Organizations (PIOs) can Implement AI Methods

3.2 | Partner Organizations

3.3 | Working with Partner Organizations

3.4 | Activity - Identify Your Partners

Quiz | Module 3

Module 3 References/Resources

Module 4

- 4.1 | Analyzing Public Data
- 4.2 | Assessing Effectiveness of Public Policies
- 4.3 | Assessing Efficiency of Public Policies
- 4.4 | Assessing Equity of Public Policies
- 4.5 | Activity Develop Your Analysis
- Quiz | Module 4

Module 4 References/Resources

Module 5

- 5.1 | Developing Your Findings, Conclusions, and Recommendations Part One
- 5.2 | Developing Your Findings, Conclusions, and Recommendations Part Two
- 5.3 | Activity Develop Your Policy Pitch



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Quiz | Module 5 Module 5 References/Resources

Module 6

6.1 | Communicate Your Results 6.2 | Communication Options 6.3 | Dissemination Strategies 6.4 | Activity - Develop Your Communication and Dissemination Plan Quiz | Module 6 Module 6 References/Resources **Course Completion/ Evaluation survey**