



## **Next Generation IET Credentialing with Blockchain**

# Agenda

- Introductions
- Blockchain Overview
- How Blockchain can be used in Education
  - Blockchain in Adult Education
  - Wrap Up



**TEACHING & LEARNING. MEASURED. MANAGED**

# Teaching & Learning. Measured. Managed.

**Experts in data-driven approaches to  
improving academic performance.**

**2,000,000+ students**  
**100,000+ educators**  
**9 countries**

- ▶ Trusted partner with four state DOEs and districts in 14 states
- ▶ Celebrated history of innovation



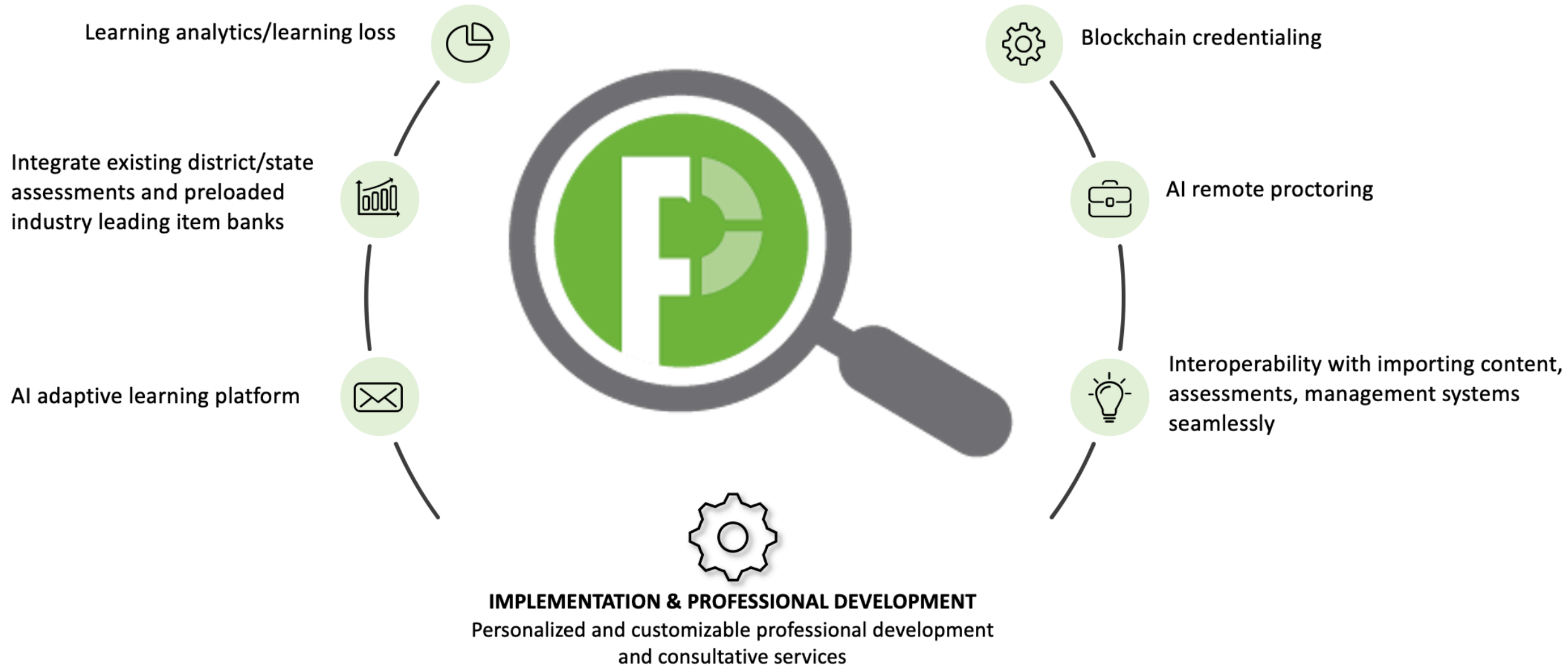






# The FocalPoint Platform

Organize all technology. Enable teaching & learning. Collaborate with communities.



# What is Blockchain Credentialing?



# How can Blockchain Support Education

## How Blockchain Can Support Education



Records,  
Certifications  
& Credentials  
Verification



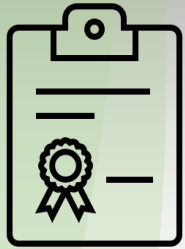
Expanding  
Massive Open  
Online Courses  
(MOOCs)



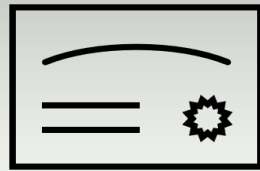
Open  
Source  
Universities



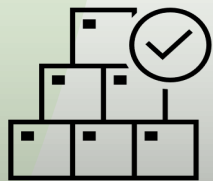
# Blockchain Credential Management Solution



Secure platform for  
student & educator  
credentials



Consolidates transcripts,  
diplomas, GED,  
PD and more



Verifies proficiencies  
for prospective  
employers



Allows students to own  
their data forever



# Backpack Credential Management Solution



## • Credential Challenges

- Vendor-specific implementations
- Lack of credentialing literacy
- Data owner is the vendor who awards the credential
- Security and FERPA compliance
- Trust worthiness of the credentials
- Permanent record with global accessibility & acceptance

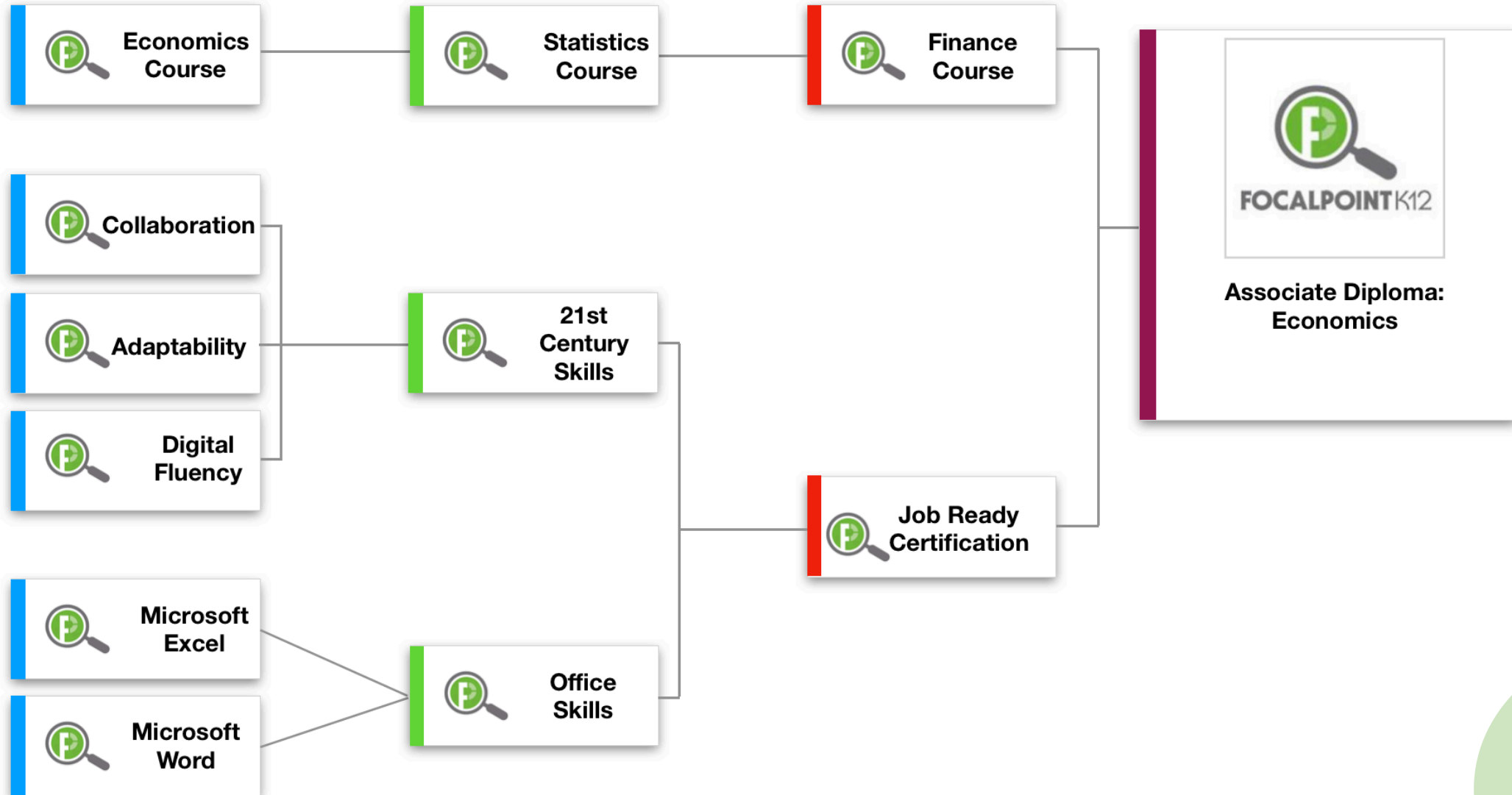


## Our Solution

- Credential program designer
- Application to manage credentials
- Central repository for all learning activity records
- Automation of the award based on logic rules
- Data is owned by the learner
- Blockchain-enabled credentials



# How are Credentials Earned?





# Administration Team

- The administrator has a real-time view of learner progress
- Multiple pathways with embedded activities can be configured
- Pathways can be assigned to an individual or a group of learners
- Summary and other reports are available for progress monitoring

The screenshot displays the 'Job Ready Certification' administration interface. At the top, it shows the selected pathway 'Economics Associate Degree' and the certification 'Job Ready Certification'. Below this, a list of components is shown with expandable arrows and toggle switches:

- Job Ready Certification (toggle on)
- 21st Century Skills (toggle on)
- Office Skills (toggle on)
- MS Excel Credential (progress bar at 4, toggle on)
- MS PowerPoint Credential (progress bar at 4, toggle on)

On the right side, there is a section titled 'Job Ready Certification' with tabs for 'ACTIVITIES', 'FRAMEWORK', and 'ATTACHMENTS'. Below the tabs is a search bar labeled 'Search Students...'. A list of students is displayed, each with a profile picture and name:

- Chloe Karla
- Elise Sigler
- Kimberly Clark
- Zorica Radonovic

# Reporting and Data

Add/Edit Lesson

LESSON

LRS POINTS

Lesson

A01 Microeconomics and Macroeconomics

DETAIL

SCORING

STANDARDS

ATTACHMENTS

Weightage

0

Rubric

0

Performance Rubrics

60

80

90

Delete

Save

Launch

Add/Edit Lesson

LESSON

LRS POINTS

LRS ActivityID *	LRS VerbID *	Points *	Selected Standards	Available Standards
				<div>5.1.PO 1</div> <div>5.4.PO 1</div> <div>NSS-EC.9-12.16</div>
Activity ID	Verb ID	Points	Standards	
EconA01:5.1.3	Completed	1		
EconA01:1.7.2	Completed	2		
EconA01:2.2.3	Selected_Microeconomics	1		
EconA01:2.3.3	Selected_Macroeconomics	1		
EconA01:2.4.3	Selected_Microeconomics	1		
EconA01:2.5.3	Selected_Macroeconomics	1		

LRS Rules Engine

Economics Associate Degree

1

2

3

All

▼ Courses

Courses to be taken

▼ Economics 101 (1)

Econ 101

📄 Course Completion - Economics

NOT STARTED

🔖

Launch

▶ Statistics 102 (1)

▶ Finance 103 (1)

Academic Progress

Add Goal

Pending Goals

0

Pending Goals

Completed Goals

0

Completed goals

Pending Plans/Tasks

0

Pending Plans/Tasks

Completed Plans/Tasks

0

Completed Plans/Tasks

Student Goal Setting





# Student Badges

## Subjective Questions Test Demo

Award for high placement (1st, 2nd, 3rd, or 4th)



Given by Janelle Day on 01/11/2020

## NMarks testing QA 11

NMarks testing QA 11



Given by Janelle Day on 01/13/2020

## Test - Ethereum

Test - Ethereum



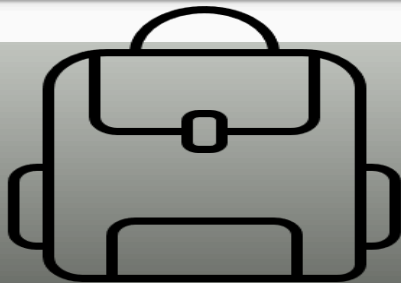
Given by Janelle Day on 01/14/2020

## badge testing

badge testing

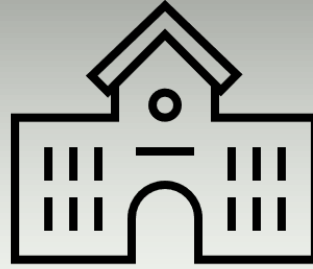


Given by Janelle Day on 01/15/2020



# The FocalPoint Experience

Organize all technology. Enable teaching & learning. Collaborate with communities.



*"I need an adaptative and immersive LMS"*

*"I'm looking to consolidate data and easily interpret it"*

*"I want to provide a secure and easy-to-use blockchain credentialing system"*

*"I need a diverse assessment system"*



*"I need a comprehensive, next-generation learning platform"*

# We also offer Professional Development

The FocalPoint Implementation Team provides support you throughout the FocalPoint journey through:

- Developing personalized professional development plans
- Offering a catalog of professional development offerings
- Providing customizable consultative services
- Leveraging onsite, virtual, and hybrid delivery modalities



Pre-Sales Consultation



Implementation Meeting



Personalized Professional Development



Mid-year Data Review & Analysis



Targeted Support Sessions



End-of-year Data Review & Analysis





Questions?

