

# Mobile Communities of Practice (mCoP): Creating Sustainable Change within Linked Learning Green Pathway Schools

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Proud Partner



[LinkedLearning.org](http://LinkedLearning.org)

# Cal State LA & Linked Learning

- The California Linked Learning District Initiative funded by the James Irvine Foundation
- Focus on how to create sustainable and high-quality Linked Learning pathway programs
- Linked Learning 2020 Research Agenda “A Suite of Studies of Quality, Sustainability, and Continuous Improvement”

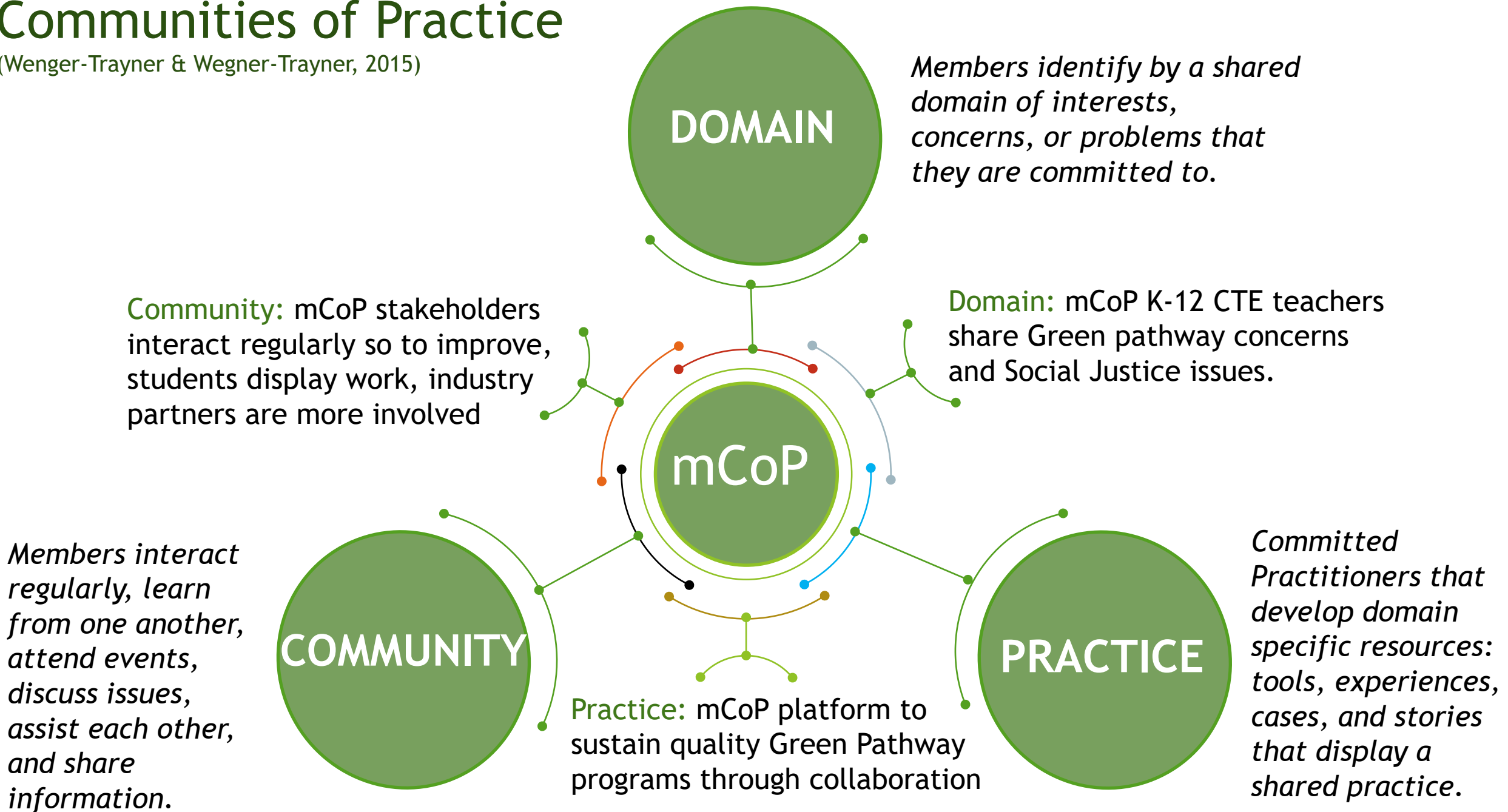


# LINKED LEARNING®

- Career and technical education
- Work-based learning
- Student supports
- Rigorous academics
- Communities of Practice

# Communities of Practice

(Wenger-Trayner & Wegner-Trayner, 2015)



# Goals

- Build a sustainable Community of Practice (CoP) within a Linked Learning (LL) Green pathway program
- Develop an interactive mobile application for social change within the Green Pathway CoP
- Create a website to host and exchange information
- Align with the Linked Learning 2020 research agenda

# Research Questions

1. What are the challenges and successes associated with creating a sustainable Linked Learning Pathway (particularly Green pathways)?
2. What are the best practices related to Linked Learning Green pathways?
3. How effective, efficient, and appealing are Mobile Communities of Practice (m-CoP) in building sustainable connections among LL stakeholders?

# Literature Review

- Linked Learning framework encourages Communities of Practice (Atterbury, 2014)
- CoP perspective affects an educational organization Internally, Externally, and Over the Lifetime of the Students (Wenger & Trayner & Wenger & Trayner, 2015)
- Technology tools lead to more meaningful participation (Wenger et al., 2005)
- Technology can support a CoP (Byington, 2011)
- Virtual CoP: Technology as primary communication (Dubé, Bourhis, & Jacob, 2005)
  - Social group work courses (Davis, & Goodman, 2014)
  - mCoP
- No facilitated network through which Green Pathways teachers can articulate a common vision and goals, map resources and supports, identify gaps, and coordinate or collaborate to address them (Potochnik & Romans, 2015)

# Methodology

- **Mixed Methods**
  - Qualitative & Quantitative data collected simultaneously
- **Participants**
  - K-12 Career Technical Education teachers, students, & industry partners
- **Instruments**
  - Survey: mCoP effectiveness, efficiency, and appeal
  - Focus Group & Interview questions
- **Data Collection & Analysis**
  - In person and Zoom chatroom recordings
  - Feedback surveys in person
  - Systems Approach

# Preliminary Data

## Focus Group Interviews

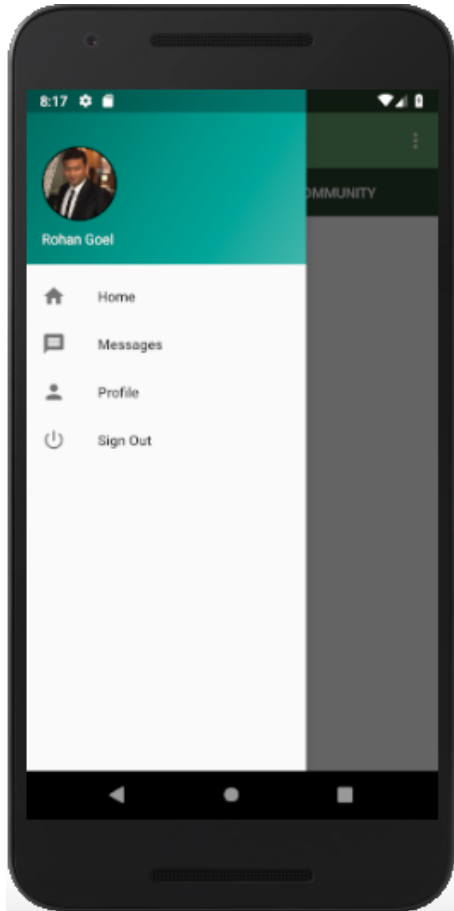
- Establish Green Pathway cohorts
- Partnerships that bridge the "elementary school gap" and transfer to middle school
- Match high school and college students to mentor younger students
- Industry/Green Pathway Partnerships

## Survey: mCoP feedback

- Project Management features needed
- Newsfeed and posting capabilities need
- User friendly UI
- IOS Version



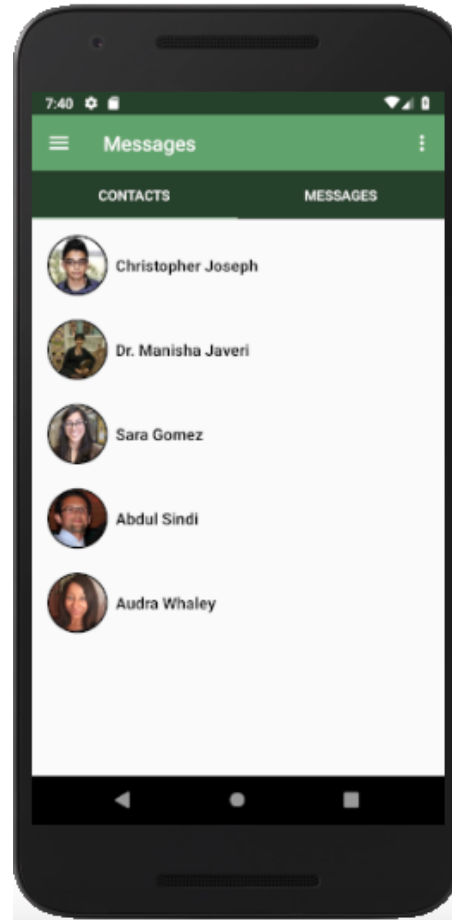
# Current Features



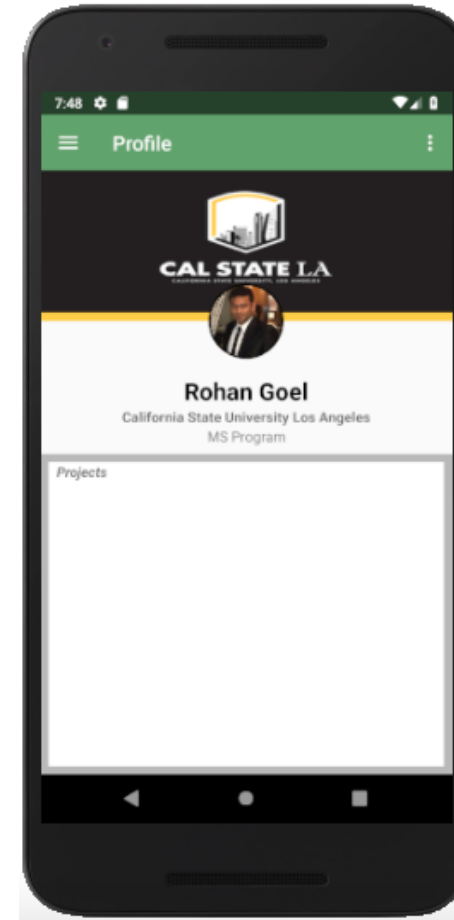
Navigation Drawer



Feed Updates

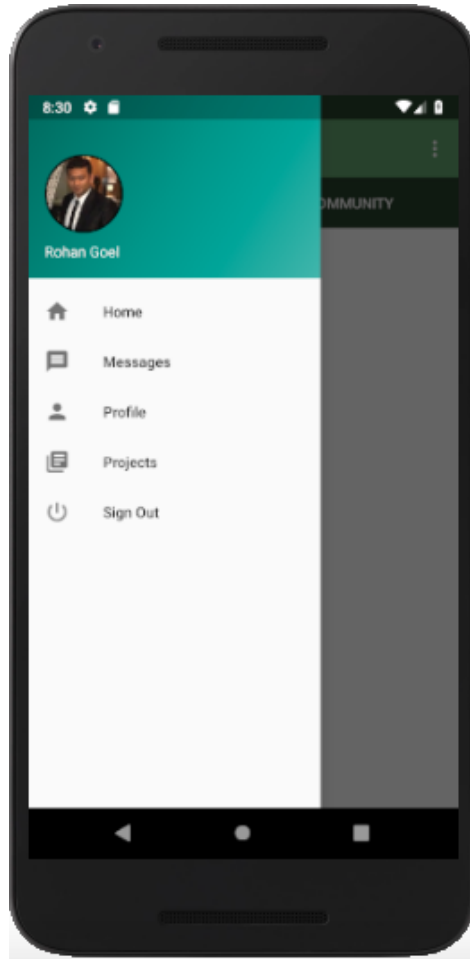


Chat Component



Profile Component

# Roadmap 2019-2020



- Project Management Component
- More Dynamic Rich UI
- Location Services
- Push Notifications
- Registration Web Form
- IOS App

# Contact

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