



# The Municipal Pipeline Project

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**1 Year Reflections & New Directions**



# Overview

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Project Background

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WIL Coordinator

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Work Integrated Learning

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Reflections

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Directions

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WIL at CNA

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Project or Position?

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Ongoing Project - Websites

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Upcoming Initiative – Tech Teams

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How do I Get Involved?

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# Memorandum of Understanding

In 2019, CNA, MNL, and PMA entered into a 5-year MOU to see collaborations on initiatives related to:

- Training
- Innovation
- Applied research
- Economic/community development

# Win – Win – Win – Win

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Expose students to meaningful, relevant, “Work-Integrated Learning” in the municipal sector



Encourage future careers and work in the municipal sector by providing exposure, experience, and education to do so



Help communities by providing an economical student workforce with knowledge to help complete projects



College benefits by learning realities of municipal sector



# WIL Coordinator

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Researches for best practices and new opportunities

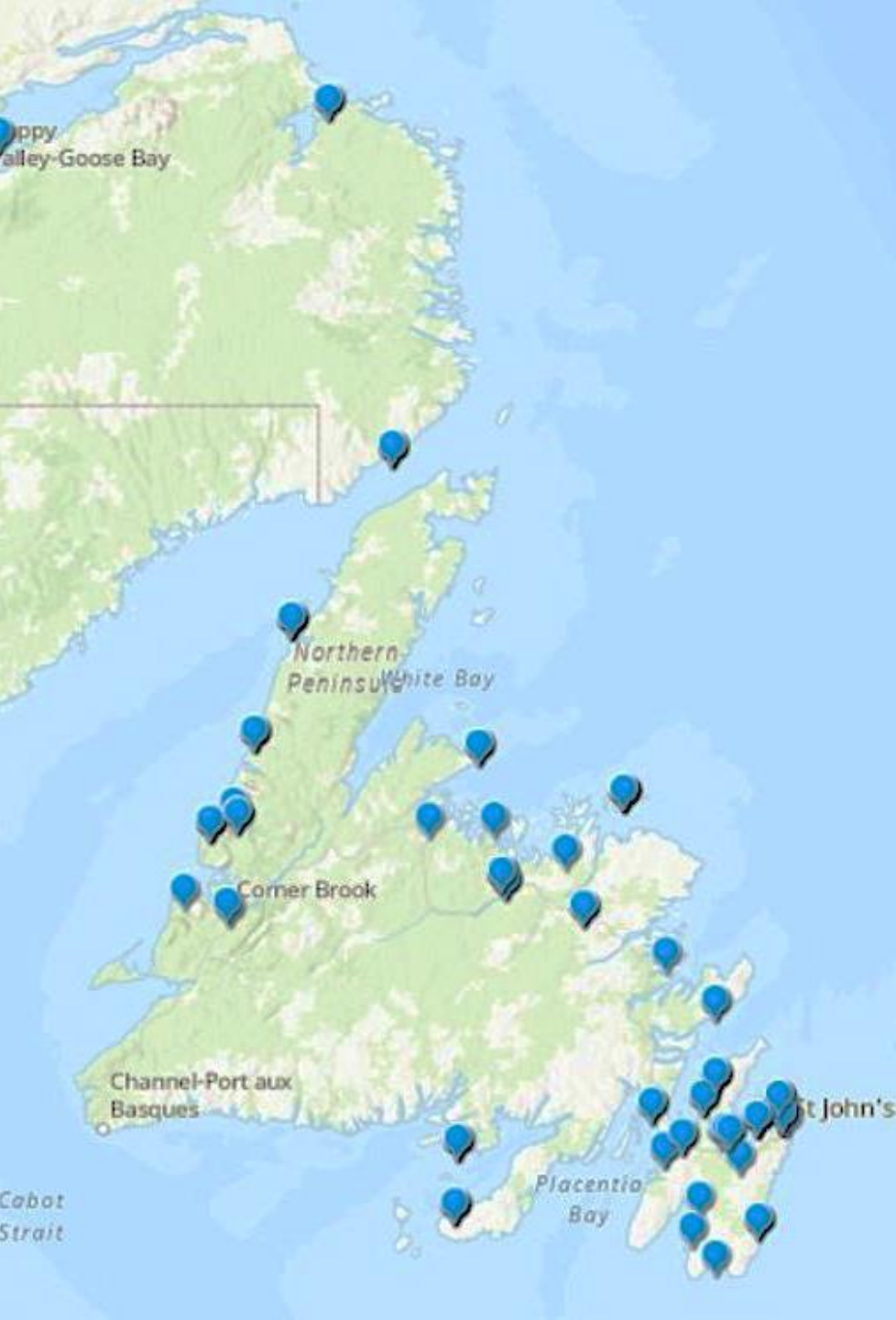
Helps to create projects that provide a win-win to student and municipalities

Acts as a liaison between the college, municipalities, and support organizations

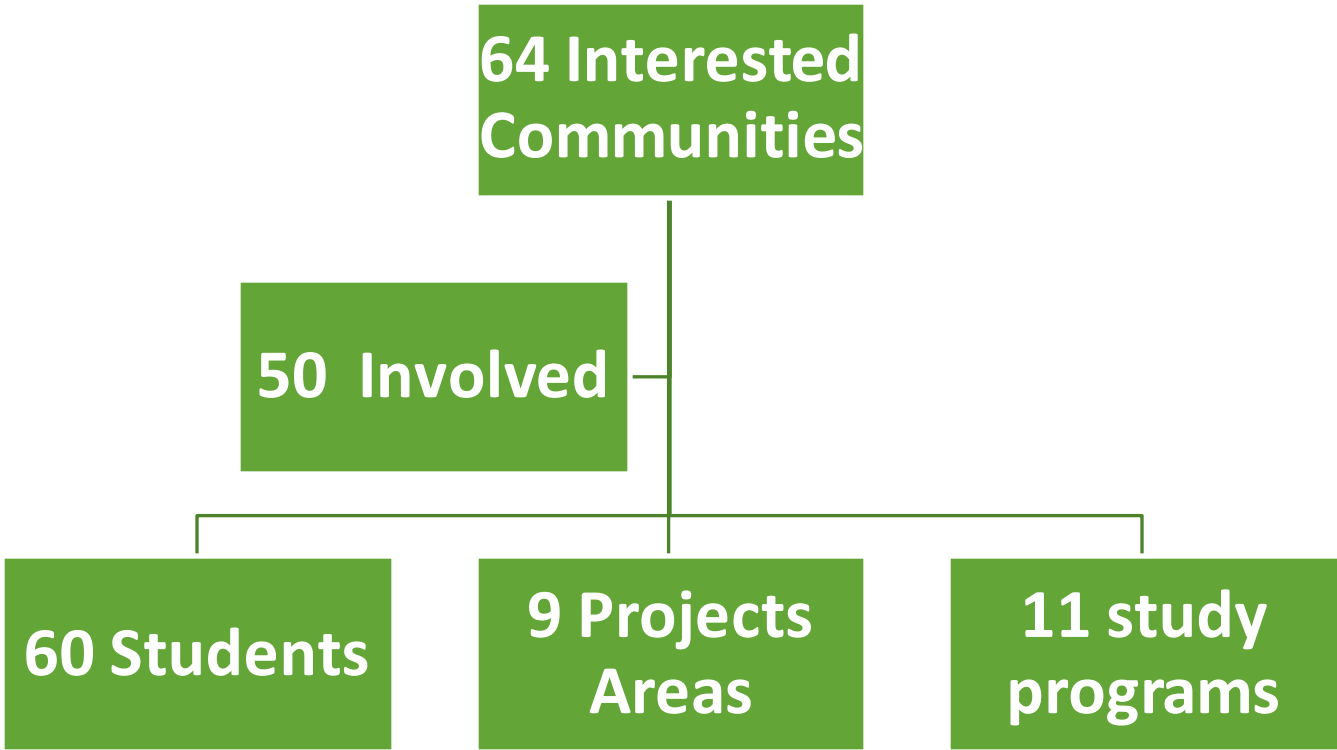
Becomes a coach and trainer to students, and host organization when needed

Collects data to provide matrix and support for future projects

Helps to manage and secure funding



# What and Where Fall 2021 Semester



# Project Areas

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## Fall Semester 2021

<b>WEB DESIGN/IT</b> <ul style="list-style-type: none"><li>• Computer Systems &amp; Networking</li><li>• Software Development</li><li>• Computer Systems Engineering</li></ul>	<b>RECREATION</b> <ul style="list-style-type: none"><li>• Community Development Leadership</li></ul>	<b>TOURISM</b> <ul style="list-style-type: none"><li>• Tourism &amp; Hospitality</li></ul>
<b>ARCHITECTURE</b> <ul style="list-style-type: none"><li>• Architectural Engineering</li></ul>	<b>HERITAGE NL</b> <ul style="list-style-type: none"><li>• Geomatics</li></ul>	<b>NL 911</b> <ul style="list-style-type: none"><li>• Geomatics</li></ul>
<b>ASSET MANAGEMENT</b> <ul style="list-style-type: none"><li>• Industrial Engineering</li></ul>	<b>WASTEWATER MANAGEMENT</b> <ul style="list-style-type: none"><li>• Chemical Engineering</li><li>• Civil Engineering</li><li>• Environmental Engineering</li></ul>	<b>DRINKING WATER MANAGEMENT</b> <ul style="list-style-type: none"><li>• Chemical Engineering</li><li>• Civil Engineering</li><li>• Environmental Engineering</li></ul>

# Training Programs Available

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COVID-19 WORK  
SAFE  
Young Workers  
Safety

1: Introduction to  
Municipal Pipeline  
Project

2: Overview of the  
Municipal Sector in  
Newfoundland &  
Labrador

3: Being Essential  
in the Workplace

4: Talking Your  
Way to The Top

5: Control Your Career  
& Learning by  
Controlling Yourself

6: Persuasive  
Communication &  
Presentations

7: Networking &  
the Elevator  
Speech

8: Answering Common  
Questions in  
Interviews (& on the  
job)

9. Ongoing Zoom  
Check-ins and  
Additional Training



# Current Projects

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Secured \$30,000 through anonymous corporate donation

- Other major funding partners in the works
- Applications being developed for municipality students funding

CNA Placements

- 10+ students CNA Business/Administration in 6-week placements
- 6 Environmental Engineering Students looking for placements
- 6+ Software engineering/IT students
- More Co-op placements possible
- Preparing for Autumn semester, including tourism projects

MUN International Students (at no cost to towns)

- 5 students – 12 towns – developed websites and templates
- More available

Summer High School Tech-team project

- Potentially 50 students in 5 regions

# Year 1 Reflections & New Directions

## Challenge 1: Insecure funding for MPP

- Re-establish relations with previous funding agencies**
- Secure new sources**
- Establish a permanent staff position**

## Challenge 2: Municipalities worried about costs

- Continue programs with no cost to communities & reinforce this opportunity**
- Continue to establish relationships with funding partners & new funding strategies**
- Encourage municipalities to allot funding for student placements**

## Challenge 3: More desire for placements than there are students

- Become the new priority go-to**
- Develop Job descriptions for each program**
- Begin placing a semester in advance**
- Continue outreach to more instructors & students**

# Ashley Nguyen - Faculty Researcher

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Work with Industry and  
Community Partners to  
develop project scopes  
and plans

Identify and coordinate  
internal resources  
needed for project  
execution

Aid with proposal  
writing, funding  
applications

Provide oversight and  
mentorship to students  
working on applied  
research projects

Provide continuity to  
projects, develop next  
steps and future  
opportunities

# Types of WIL at CNA

Applied Research

Apprenticeship

Co-Operative  
Education

Entrepreneurship

Field Placement

Internships

Mandatory  
Professional  
Practicum / Clinical  
Placement

Service Learning

Work Experience

# Position or Project?

## Position

- Continuous – Need will remain after placement is complete
- Task Based
- Functions within day to day operations

## Project

- Specific – will continue until mission accomplished
- Need addressed once complete
- Seeks to develop, implement, or understand a solution to a problem

# Website Development

## Diagnostic of current site

- Web hosting, domain hosting, previous developers etc.

## Goals and Vision for website

- How do you want your community to engage with the site?
- Find examples

## Update and implement

- Backup existing site, transfer of domain etc.
- Develop and implement new site

## Training and maintenance

- Documentation pertaining to how **you** can do future updates

# Developing Website Solutions for Municipalities

## Needs Assessment Tool

- Classifications based on responses to standard questions

## Creating Standard Templates

- Google Sites
- Word Press

## Update and implement

- 1-1 support during implementation if needed

## Training and maintenance

- Creating standard work for future needs

# The "Tech Teams" Initiative

Leveraging the service-learning component of the Technology Careers Pathway (pilot) program through the Department of Education

The first Pilot for tech teams is planned for Summer 2022 – July and August

Targeting communities close to:

- St. John's
- Carbonear
- Gander
- Corner Brook
- HVGB

## A Tech Team consists of:

A  
community-  
based  
challenge

College IT  
Student

Local High  
School  
Students

College of  
the North  
Atlantic  
Campus



# Questions and Contacts

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**REACH OUT  
ANY TIME!**



**EMAIL:  
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**SUBJECT:  
MUNICIPAL  
PIPELINE REQUEST**