Map The System 2020

Enhancing Collaboration in Group-based Learning in Schools and Universities in Ontario

Lam Thieu
Moh S. Rad
Sagal Aden

Ryerson University

Background

Why the geese fly together?

Geese have a number of ways they help each other through teamwork. They migrate together, they take turns leading, they support each other and most importantly they fly further together.

They can never fly that distance (3000 Miles) alone and survive

SO
When working in a team the goal is to achieve a common goal. This makes the experience of the geese and their teamwork simpler and far more efficient to work together. We can learn a great deal from those intelligent birds.

That's why we need to educate students on how to collaborate

Cooperation vs Collaboration

where the multiple tasks of a project are divided among the team members, but each person works independently.

Get the job done

where the finished product is produced via interactions among all of the members of the group working together.

Excellency, creativity and innovation.

The Impact

Collaboration satisfaction rate in workplace

According to Gallup

60% of employees are **not happy** with their teams

According to CB Insight

23% of startups **fail** because they don't have the right team

Problem Landscape

Collaboration satisfaction rate in schools

Based on the primary market research

36% Students vs 80% Instructors

17 qualitative interviews with instructors
16 qualitative interviews with students
89 online survey with students

Students have many issues within their teams

BUT
Instructors have no idea about it

SO
students somehow figured out how to cooperate but did not learn how to collaborate at all

Reported issues by students

I Students in a class, particularly in a big class or an online class, do not know everyone well enough to know if they can form a team that meets their own course objectives.

II Most students complain that their teammates do not contribute to the group assignment.

Reported issues by instructors

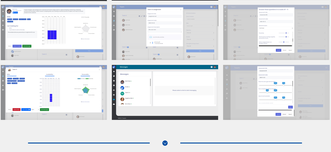
III Many instructors care about students' performance in group assignments but they don't have enough time to keep track of student team progress.

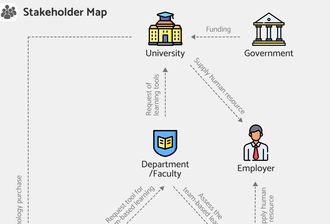
IV Peer evaluation, generally summative in nature, fails to let instructors know about performance of each student and performance of each group in a formative way.

Students need to learn how to collaborate in group assignment. Their future careers depend on it. Let's come together and achieve the benefits of collaborative teaching and learning.

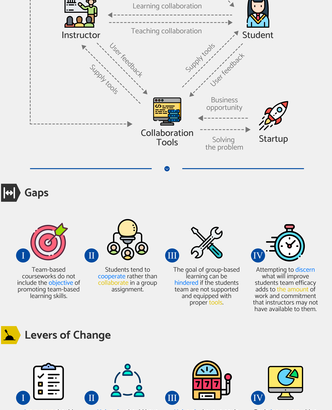
Solution Landscape

"teeem.ca" is a one-stop shop SaaS for student collaboration where they can form and manage their team and assess their teammates.





Stakeholder Map



Gaps

I Team-based courseworks do not include the objective of promoting team-based learning skills.

II Students tend to cooperate rather than collaborate in a group assignment.

III The goal of group-based learning can be hindered if the students team are not supported and equipped with proper tools.

IV Attempting to discern what will improve students team efficacy adds to the amount of work and commitment that instructors may not have available to them.

Levers of Change

I Instructors should consider team-based learning skills as the main goal of teamwork assignments.

II University should have workshops to teach collaboration skill and instructor should promote the importance of collaboration in group-based learning.

III University have to equip students with a comprehensive tool that helps them form a team, manage team and assess their teammate.

IV Equip instructors with a comprehensive tool that helps them effectively support students' team with minimum time and effort.