





SFU ARDUINO CLUB SURREY

DESIGN FOCUS

We would like to explore different ways to improve communication, learning and organization processes between regular and new members as well as extend it into the digital space.

ONE DAY SCENARIO

 Storage  Members
 Workplace  Activity



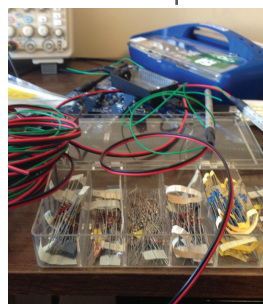
Refayet, Dave, and Kirill try to fix the saw in order to cut casing for their 3D printer



Two new members are self teaching themselves on how to connect WIFI and Arduino.



Tools are not placed systematically. Members have to always ask someone if they need specific equipment.



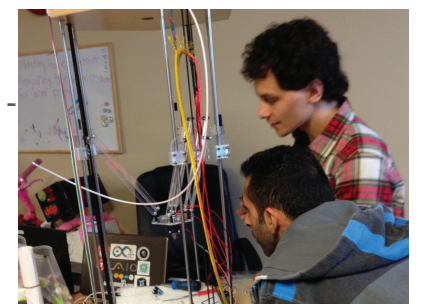
Workshop for new members.



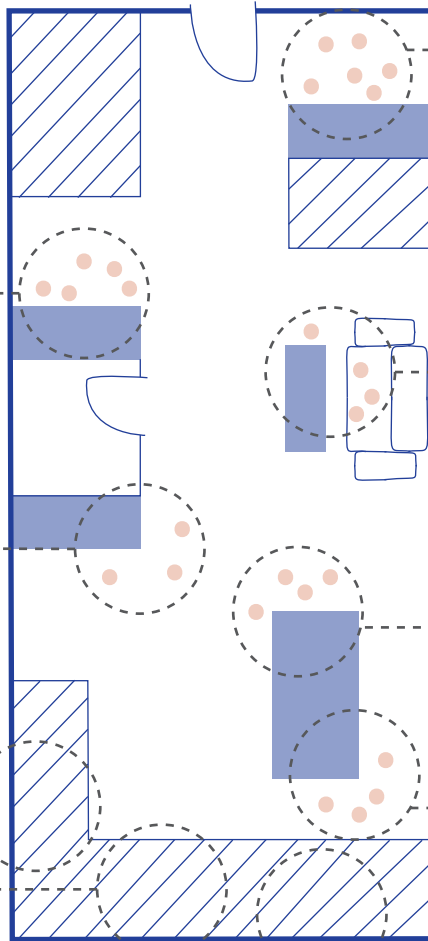
A group of three new students is working on a project - LED cube



PR and Web team working on promo materials for Clubs Day



Kirill and Kush try to fix 3D printer before Club Days in 3 days



THEMATIC ANALYSIS

Communication and Learning Process Between Regular and New Members

No platform for discussion

members don't know what they want / can do

roles are not clearly defined

no platform to accumulate updates on the projects

no way to check & share project details

Difficult to organize club's members

no manuals and guide books for new members

only few active members

difficult to encourage members to participate

no way to collect feedback

Not enough exposure for the club

freshmen don't come

limited storage and financial resources

not enough on-going projects

organizational mess in tools

DATA COLLECTION METHODS

WHAT

Group interview with leaders
 Quick interviews with active members
 Quick interviews with new members
 Observation
 Participant observation

WHO

Kush, Kirill, Mark (40 minutes)
 Mustafa, Alfonso, Dave, Refayet (20 minutes)
 New members (3 interviews, 5 minutes each)
 Kush and Kirill (1.5 hour session)
 All members (2 hour session)

HOW

Note taking,
 audio recording,
 photography,
 sketching