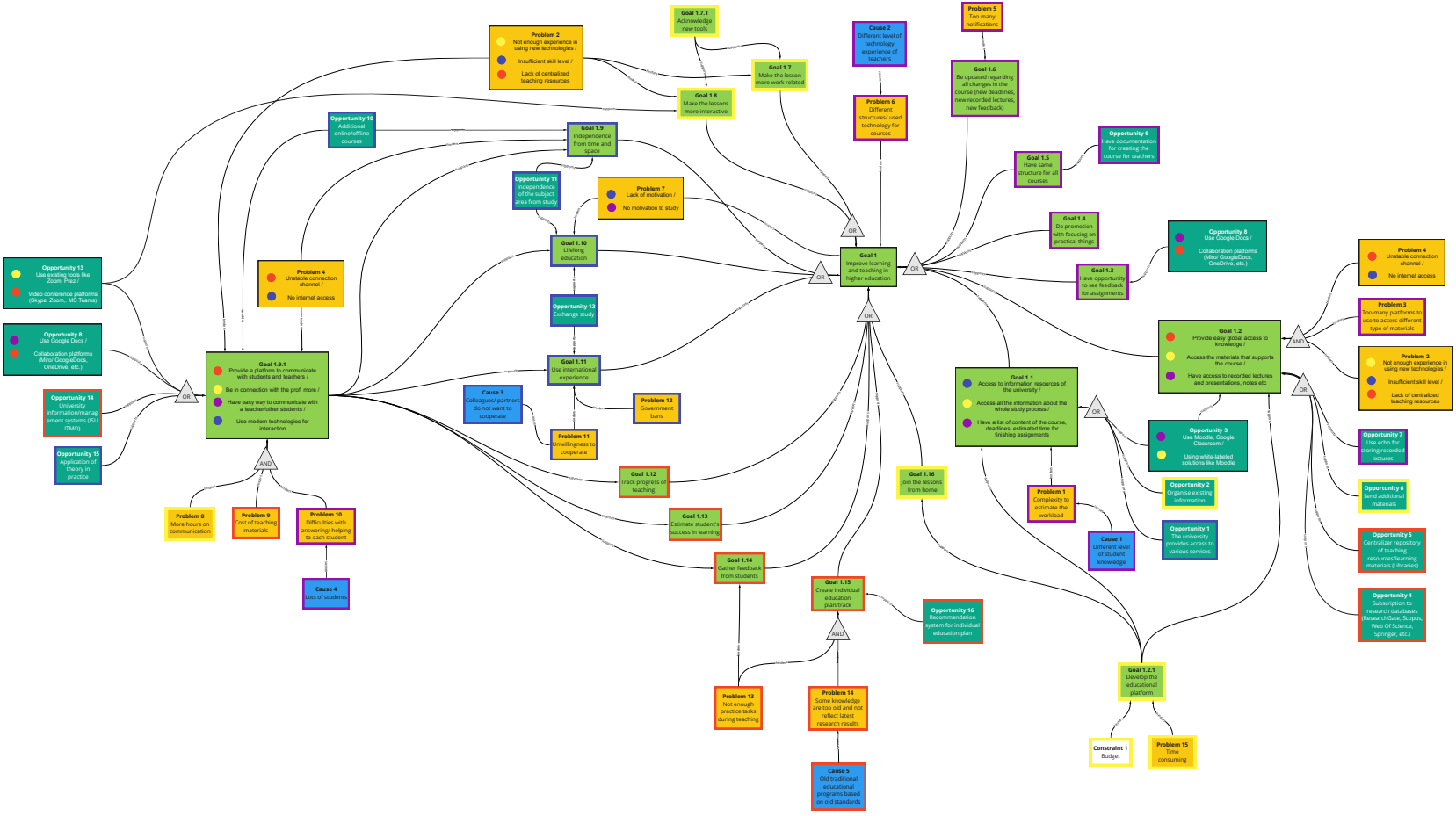
Goal 1
Improve learning and teaching in higher education
Goal 1.1
Access to information resources of the university /
Access all the information about the whole study process /
Have a list of content of the course, deadlines, estimated time for finishing assignments
Goal 1.2
Provide easy global access to knowledge /
Access the materials that supports the course /
Have access to recorded lectures and presentations, notes etc
Goal 1.3
Have opportunity to see feedback for assignments
Goal 1.4
Do promotion with focusing on practical things
Goal 1.5
Have same structure for all courses
Goal 1.6
Be updated regarding all changes in the course (new deadlines, new recorded lectures, new feedback)
Goal 1.7
Make the lesson more work related
Goal 1.8
Make the lessons more interactive
Goal 1.9
Independence from time and space
Goal 1.10
Lifelong education
Goal 1.11
Use international experience
Goal 1.12
Track progress of teaching
Goal 1.13
Estimate student's success in learning
Goal 1.14
Gather feedback from students
Goal 1.15
Create individual education plan/track
Goal 1.16
Join the lessons from home
Goal 1.2.1
Develop the educational platform
Goal 1.9.1
Provide a platform to communicate with students and teachers /
Be in connection with the prof. more /
Have easy way to communicate with a teacher/other students /
Use modern technologies for interaction
Problem 1
Complexity to estimate the workload
Problem 2
Not enough experience in using new technologies /
Insufficient skill level /
Lack of centralized teaching resources
Problem 3
Too many platforms to use to access different type of materials
Problem 4
Unstable connection channel /
No internet access
Problem 5
Too many notifications
Problem 6
Different structures/ used technology for courses
Problem 7
Lack of motivation /
No motivation to study
Problem 8
More hours on communication
Problem 9
Cost of teaching materials
Problem 10
Difficulties with answering/ helping to each student
Problem 11
Unwillingness to cooperate
Problem 12
Government bans
Problem 13
Not enough practice tasks during teaching
Problem 14
Some knowledge are too old and not reflect latest research results
Problem 15
Time consuming
Cause 1
Different level of student knowledge
Cause 2
Different level of technology experience of teachers
Cause 3
Colleagues/ partners do not want to cooperate
Cause 4
Lots of students
Cause 5
Old traditional educational programs based on old standards
Constraint 1
Budget
Opportunity 1
The university provides access to various services
Opportunity 2
Organise existing information
Opportunity 3
Use Moodle, Google Classroom /
Using white-labeled solutions like Moodle
Opportunity 4
Subscription to research databases (ResearchGate, Scopus, Web Of Science, Springer, etc.)
Opportunity 5
Centralizer repository of teaching resources/learning materials (Libraries)
Opportunity 6
Send additional materials
Opportunity 7
Use echo for storing recorded lectures
Opportunity 8
Use Google Docs /
Collaboration platforms (Miro/ GoogleDocs, OneDrive, etc.)
Opportunity 9
Have documentation for creating the course for teachers
Opportunity 10
Additional online/offline courses
Opportunity 11
Independence of the subject area from study
Opportunity 12
Exchange study
Opportunity 13
Use existing tools like Zoom, Prezi /
Video conference platforms (Skype, Zoom, MS Teams)
Opportunity 14
University information/management systems (ISU ITMO)
Opportunity 15
Application of theory in practice
Opportunity 16
Recommendation system for individual education plan
AND
OR