Projects to select

Selection process

1. Listen presentation
2. Think
3. Fill google form
4. Put some text in Moodle (task “Choose the project”)
5. Wait for distribution

Classes quality feedback

The goal

- Feedback not only on the course but also on each class
- Quick feedback and quick adoption
- Educational process effectiveness analysis
- The opportunity to improve the educational process
- Increase transparency

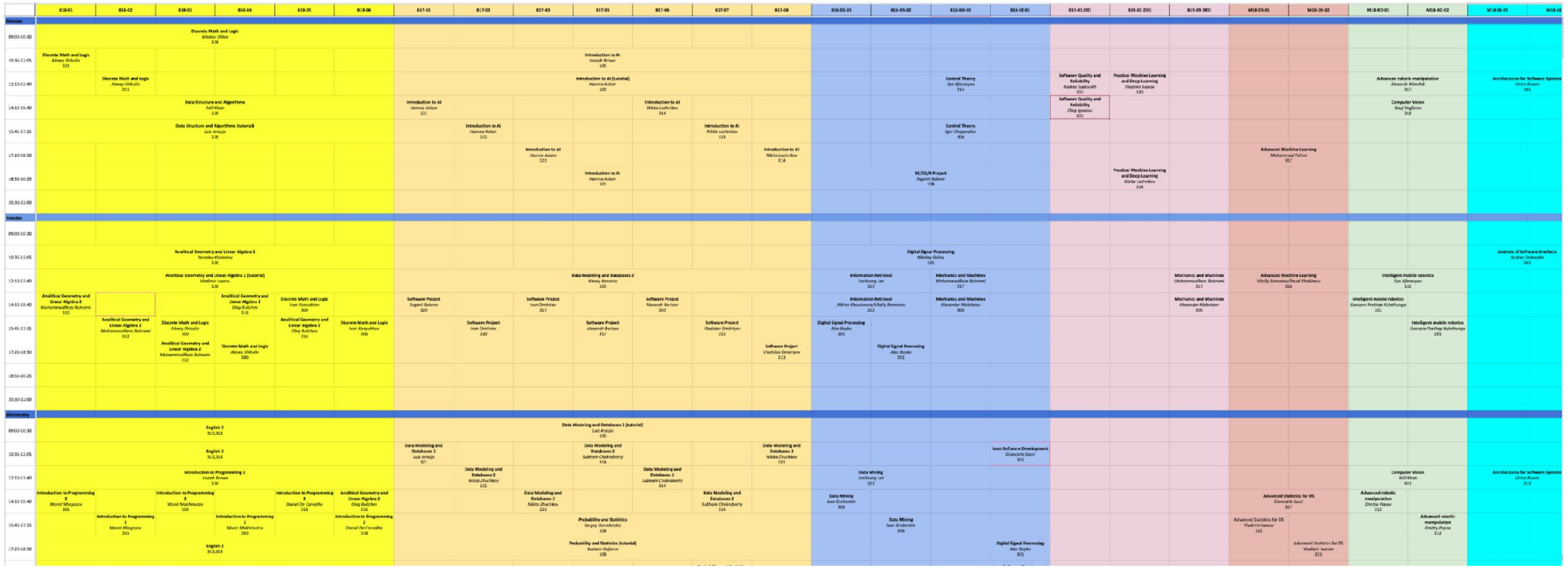
Main issues

- User-friendly feedback collecting interface
- Display of aggregated and raw data for the professor
- Administration data analysis interface
- Formation of classes rating for students

Technical constraints

- Integration with Moodle (optional)
- Visual interface
- Graphs, charts and other ways to easily display
- Access rights differentiation for students

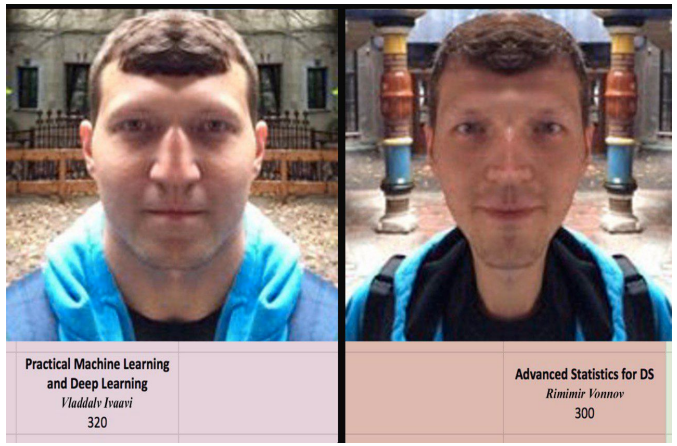
Automatic Time Table Creation



The goal – No overlapping!

At the same time:

- one teacher shouldn’t conduct two courses
- one student group shouldn’t have two courses
- one room shouldn’t be booked with two courses



Let’s help our DoE

Main issues

There are different classrooms:

- for lectures and labs
- have different capacity
- with multimedia stuff (e.g. for conference calls)

Professors have preferences:

- in what day and time they want to deliver lectures
- should the lab be on the same day with the lecture or not

Main issues

Courses might be different:

- duration (full semester, half semester)
- structures (only lectures, lectures and labs, with tutorials...)
- type (core, elective)

Students workload:

- the workload should be spread evenly for all week
- think yourself (you are stakeholders)

Technical constraints

- Mobile application
- Web app that can display the schedule
- Have to be interfaces for Admins, DoE, Professors, Students

Digital library

The goal

- Provide access to electronic materials (books, videos, papers, presentations, etc.) on each course

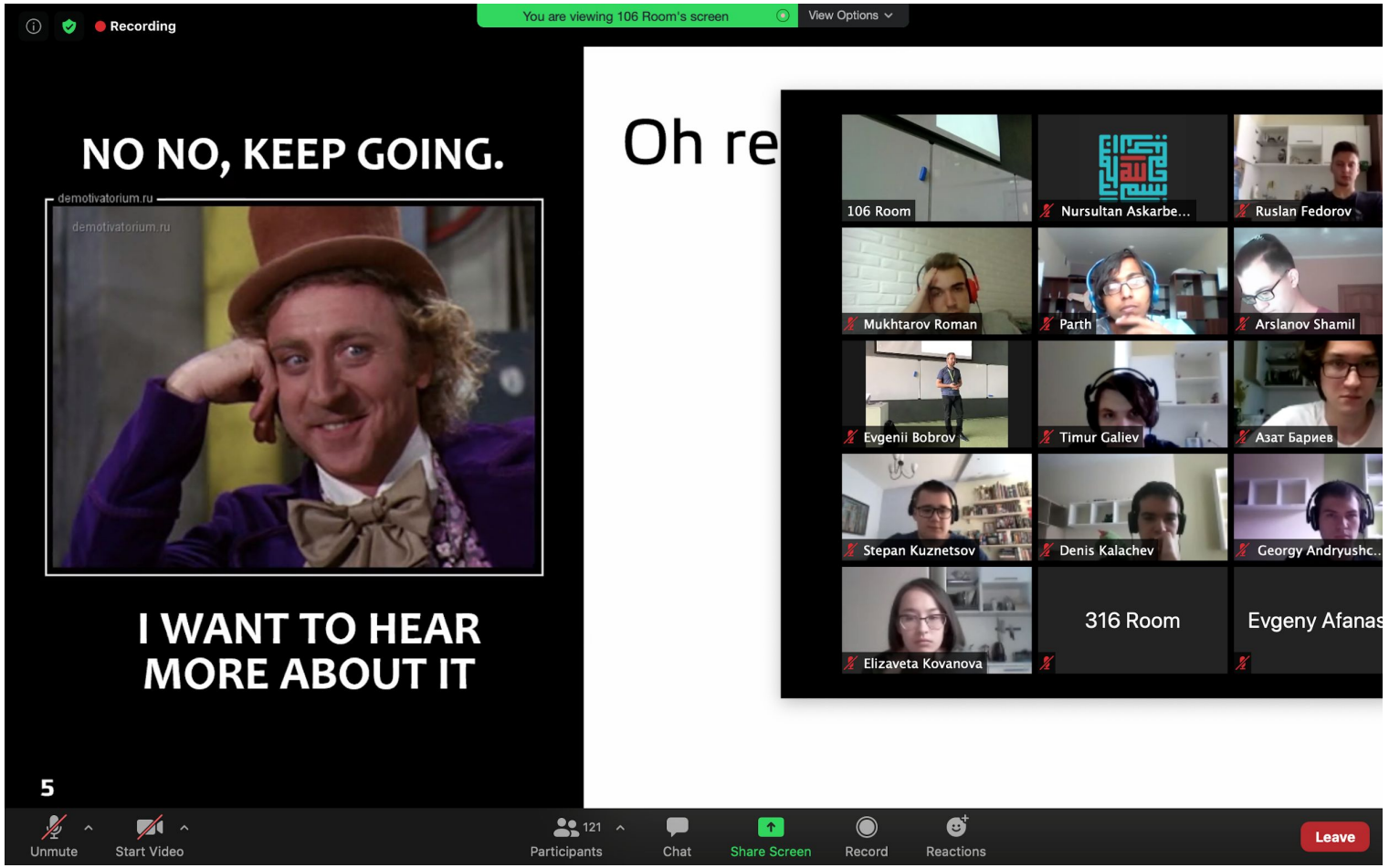
Main issues

- Legal issues
- Should be no references to IU (logo or smth else)
- Search engine (filters by course, year, type)
- Non-trivial user interface

Technical constraints

- Have to be the WEB app
- There should be roles for: Administrator, User
- Authorised access only

Automated Attendance Monitoring



The goal

- Produce a way for TAs to check lab attendance

Main issues

- Attendance can be both online and offline
- Resistance to vulnerabilities/cheating

Technical constraints

- Has to be cross-platform solution with a remote database
- Exportable to Moodle
- Roles for: Instructors, Students

InnoClubs

The goal

- Help club officers and members to coordinate, organize, report and engage in club activities in a more effective/efficient way.

Main issues

- What do they use now, Telegram chats? Can you do better than that?
- Can be hard to design actually useful features

Technical constraints

- Mobile app with a backend and database
- Should have roles for a club officer and an ordinary member
- Enable officers to report to UI Student Affairs Office

Inno Music Room App

The goal

- Help members of Inno music people to easily book the Music Room and cooperate on music projects.

Main issues

- There is a Telegram bot that does the booking now. An app could help to co-book the room for collaborative music projects and request necessary equipment.
- The bot already has its database. The integration would require collaboration with external developers/teams.

Technical constraints

- Mobile app with a backend and database
- Should have roles for regular members and the music room administrators

Cloud Music/Podcast service

Yet another cloud music service

The goal

- Create a service with free music and (Inno originated?) podcasts.

Main issues

- Some people prefer to listen to the news or guides rather than read them
- An Inno themed podcasts with news and guides could be pooled and possibly integrated to other Inno apps

Technical constraints

- Mobile app with a backend and database

InnoRussian

The goal

- Help foreign students and employees in Innopolis to learn the minimum necessary vocab to be able to **have basic conversations and communicate** their needs and preferences.

Main issues

- Russian can be difficult to learn as a foreign language
- What to learn first? Where to start?
- Most existing apps (e.g. Duolingo) teach very generic vocab

Technical constraints

- Mobile app with a backend and database
- Enable learners to see progress of others

Social habit-building app

Invite your friends and get better together

The goal

- Help people build healthy/useful habits by forming groups and reporting their progress to each other.

Main issues

- So many habit trackers, are you building another one?
- Non-trivial design challenge
- Fine balance between publicity and privacy

Technical constraints

- Mobile app with backend
- Have both remote and local database

Inno Guides

Help newcomers & guests to explore Innopolis

The goal

- Help newcomers and guests of the town to explore Innopolis and its sightseeing attractions.

Main issues

- There are not so many sightseeing attractions in Inno yet
- Map integration will be required
- Two interfaces will be needed: for users who create guides and users who explores the town

Technical constraints

- Mobile app with a backend and database

Q&A