



Name	Short Info	Selected Functions	Supported Survey Types and Inputs (Selection)	Advantages and Disadvantages (Selection)	Costs	Requirements/ Access	Hardware/ Software	Link to the Website
ARSnova.click	Quiz app	Various question options, quiz can be imported	can be imported Single choice, multiple choice, Likert scale, Free text input	Advantages: simple, fast Registration Disadvantage: few possibilities for the design or restricted usage options (mainly quiz)	free	partly login/registration required for the lecturer, and for the participants, but with the possibility of "Guest" function for Participants (log in takes place via access key)	Software-based	https://arsnova.click
ARSnova / ARSnova.voting	classroom response system for innovative teaching	Lecture hall feedback, lecture hall questions, Preparatory questions, possibility to join a meeting. Access to the survey via URL+code and QR code, results can be both for lecturers and participants are displayed	Single Choice, Multiple Choice, Likert Scale, Free Text Writing	Advantages: easy to use, simple design, covers many functions for university teaching	free	Open Source Software, for Presentation Manager (Lecturer) and students who want to system regularly, a registration by EMail will be made	Software-based	https://arsnova.thm.de/blog/en/homepage/
EduVote	classroom response system for seminars, lectures and teaching - great affinity for the integration of Power Point	Integration in Power Point for Windows. Available as hardware and software-based variants. App for Smartphones.	Possibility of reply depends on the composition of the film. possibilities: Yes/no question, A/B question, A/B/C question, A/B/C/ D question, A/B/C/D/E/ question	Advantages: A particularly high relevance is attributed to data protection	Subjected to fees	Registration and license necessary, log-in only for lecturer, participants can also alternatively use log in with an access code (e-Mail address and password, Use for participants is free of charge)	Software based and available as App (App has on restricted use) and as a hardware-based variant (Clicker).	http://www.eduvote.de/en/
Feedbackr	Free web-based audience response system, focus on simple and intuitive operation	Depending on the destination/desired function, a distinction is made between: Education, Business or Event. In this way, user-specific wishes can be more easily identified.	Three modules: 1. Question module: The lecturer can ask questions 2. Feedback Module: Continuous feedback from the audience (e.g. for understanding, speaking rate, etc.) -> can be defined by yourself) 3. Shoutbox module (in planning): The audience can ask questions, others can see these questions and vote for them.	Advantages: quick entry to a survey possible, anonymity is guaranteed, quick display of the results, exclusion of mutual influence	free, Premium Version available (subjected to fees)	For the lecturer, a registration is necessary. No registration is necessary for participants.	Software-based, no app	https://www.feedbackr.io/de/

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Free Quizdome	anonymous surveys and voting in large groups	various possibilities of use (see answer possibilities) for lecturers and audience	very diverse answer possibilities: Single/ multiple choice, yes/no answers, rating scale (1%-100%), free text answers	Advantages: no ID/registration required, QR code available/ POSSIBILITY OF BRANDING: logo of the university can appear in the tool, so that FreeQuizdome becomes an in-house tool	free	For the lecturer, a registration is necessary. No registration is necessary for participants.	Software-based	http://www.freequizzdome.com
Kahoot	Playful learning atmosphere with educational influence - quiz, discussion or survey. Thus, the Android app Kahoot allows to create knowledge checks that can be executed synchronously.	Playful learning, combination of learning and playing, global interaction: connecting with other participants from over 180 countries while playing, subsequent sharing of results on social media platforms or with other users	Single Choice (Quiz), depending on the game also specific answers possible (e.g. input or multiple choice)	Advantages: playful learning, easy administration of the account during use Disadvantages: for students possibly too playful/childish, only available in English	free	For the lecturer a registration is necessary. No registration is necessary for participants.	Software-based, available as an app	https://kahoot.com/wahat-is-kahoot/
Letsfeedback	Apps for smartphones, especially suitable for mathematical formulas in MINT lectures, as the use of latex code for tasks is possible	Embedding of pictures and latex formulas, participants can ask questions, numerical questions possible, use of an own logo and a welcome message for the participants, unlimited number of questions, participants and events; installation on own servers is possible	Multiple choice questions, open questions, offers a feedback channel for students	Advantage: for mathematical events with the query of numerical formulas, integration of latex formulas Disadvantage: unlimited function only available for Premium Members	free version, version for institutions available (with costs)	For the lecturer a registration is necessary. No registration is necessary for participants.	Software-based, available as an app	http://letsfeedback.com/de/home/
Lumi	Software-based CRS with various products (MeeToo, Lumi Show, Lumi Say, Lumi Viewpoint, Lumi Legal)	Create surveys, share surveys. Versatile use possible through various product differentiations	Diverse application possibilities, differentiation through various apps	Advantages: used by many large companies, e.g. for meetings/conferences, differentiation of different usage options, Lumi offers an "introductory presentation" Disadvantages: Usage options not compressed in one program, not all apps available in Germany	free	Internet-capable device: download the app, registration is necessary for the lecturer. No registration is necessary for participants	Software-based, available as an app	http://lumiinsight.com/de/home-de/

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Pingo	Software-based, can be used for large groups, no installation and registration necessary, participation is via a QR code or a six-digit code, lecturers must register to generate access codes and secure results. Pingo supports the exchange of question catalogues between registered lecturers and offers import/export functions for this purpose.	Creation of a question catalogue possible, access via URL + six-digit code/QR code, history of surveys carried out and results traceable	Both single and multiple choice questions, numerical queries and free text input	Advantages: no registration required for participants, results can be prepared in PowerPoint (diagram, table, tag cloud)	free	For the lecturer, a registration is necessary. For participants: with the help of an access code/QR code, via URL it is possible to take part in voting Registration is not necessary.	Software-based, available as an app	http://trypingo.com/de/
Poll Everywhere	software-based classroom response system, used in over 100 countries	wide range of different functions: Response possibility, reporting and grading, select username, moderation, response segmentation, add users - integration in Power Point, Google Slides and Keynote possible, large variation of editing possibilities (e.g. change background)	different options, e.g. answers in multiple choice/single choice options and free text option possible	Advantages: professionally designed, used by many universities, wide range of possible uses Disadvantage: very expensive for good features, only available in English	from \$0 to \$1,999	For the lecturer, a registration is necessary. No registration is necessary for participants.	Software-based, available as an app	https://www.polleverywhere.com
Tweedback	Classroom Response System With quiz, chat wall and problem button option	Participate in an event, create an event - as well as quiz, chat wall and problem button. The lecturer can have the results of the surveys sent to them by e-mail for backup	Quiz: Single choice, no multiple choice or free text entries. For questions/comments, the "chat wall" function can be used (offers the possibility to decide which questions/comments are perceived as particularly important by the audience)	Advantages: easy, fast access, simple operation, very good overview. Results in the form of a diagram visible to every participant. Possibilities: Panic-Button and Chat Wall	free	No registration is necessary for the lecturer or the participants.	Software-based	http://tweedback.de