

MINIMUM TECHNICAL REQUIREMENTS FOR THE SYSTEM

No.	Requirement	Description
1	User interface in the Czech language	Interface is fully implemented in the Czech language for ordinary users (students and lecturers), under no circumstances does it switch into English or any other foreign language. The terminology used is consistent and comprehensible, reviewed by a native speaker who is a professional in the given field. The text contains no grammatical mistakes, including punctuation.
2	Administrator interface	Administrator interface may be in either the English language or the Czech language.
3	GDPR	The system must comply with the requirements of GDPR and the Czech legislation and must fulfil the requirements of CU listed at https://cuni.cz/UKEN-903.html
4	Searching and indexing of repositories of Czech higher education institutions	<p>Searching and active indexing of at least of 12 out of the total 28 repositories of Czech public and state higher education institutions.</p> <p>Public higher education institutions: https://www.msmt.cz/areas-of-work/tertiary-education/public-higher-education-institutions-websites</p> <p>State higher education institutions: https://www.msmt.cz/areas-of-work/tertiary-education/state-higher-education-institutions-websites</p> <p>A supplier will provide a list of such indexed repositories as an annex to the indicative tender for this public contract.</p> <p>In case of doubt as to whether some of the listed repositories are in fact indexed, indexing will be verified as follows: the contracting entity will find in the repository of the given higher education institution one qualification thesis which was defended in 2019. Within the test of quality of originality check for academic text (see 10.2 of this PD), the thesis will be handed over to the bidder and the bidder will check its originality in real time in the course of testing.</p>
5	Availability	<p>System availability at least 99% of the time per calendar month of service operation. System unavailability is defined as the period from the moment the service outage was reported to the moment of its resolution. The contracting entity will keep records of these system outages and, if they exceed the above-mentioned limit, may impose penalties. One minute is the unit to be used for the calculation of system availability.</p> <p>100% availability is making the system available 24/7. These system outages do not include system downtime about which the contracting entity was notified no fewer than 5 working days in advance. The aggregate of such downtimes must not exceed a total of 240 hours per calendar year.</p>
6	Logging in	Authentication through Central Authentication Service of CU

		<p>("CU CAS") for students and employees of CU</p> <ul style="list-style-type: none"> • Full integration in CU CAS without the need to create new accounts <ul style="list-style-type: none"> ○ Possibility of user settings without the need to create new accounts (the user logs in using the CU CAS login, but will be able to set user system parameters). ○ SSO support via either Shibboleth protocol or JASIG CAS. ○ The system will take over affiliation of the user to a faculty or other units of the CU from CU CAS.
7	Interconnection with Moodle LMS	<ul style="list-style-type: none"> • Possibility to interconnect the supplier's system with CU Moodle LMS so that it is possible to use the so-called "Moodle assignments" in the supplier's system within standard types of activities in CU Moodle". • Interconnection of authentication, i.e., when logging into the course in Moodle it is not necessary to log into the supplier's system separately.
8	Available API	<ul style="list-style-type: none"> • API will be used automatically by calling scripts from the CU Study Information System ("SIS"). • API will enable mass checking of final thesis files uploaded into SIS (it will be possible to submit for checking thousands of theses in one batch). • The thesis file size will be subject to the same limitations as stated in requirement no. 16. • It will be possible to check files in the following formats as a minimum requirement: PDF, PDF/A, DOC, and DOCX. • API will enable finding out the status of checking the theses and will notify SIS after the checking of a given thesis has been completed. • API will enable downloading the result of checking the theses. • API will notify SIS after completing the generation of the report containing the result of checking (list of matches found). • API will enable downloading the report containing the results of checking the thesis in PDF format; the report will be saved in SIS and made available to SIS users in accordance with the rules stipulated by the University. • API will contain the following basic configuration parameters: <ul style="list-style-type: none"> • Determination of which repositories and bases the thesis is compared against; • Exclusion of small matches (it will be possible to set what is meant by a small match) • Exclusion of quoted material from checking • Exclusion of Bibliography section from checking • Exclusion of thesis abstract from checking

		<ul style="list-style-type: none"> ▪ Exclusion of Methods section from checking
9	Environment for uploading theses	<p>Access to submitted theses by several teachers simultaneously (accessing one thesis) (e.g., one course being taught by several teachers)</p> <ul style="list-style-type: none"> • Including the possibility of giving feedback (comments on the text checked, evaluation, assessment in points) • Possibility of importing theses into the system by the teacher (e.g., when a student sends the thesis by email)
10	Mass processing ability	Possibility to upload, in batches, directories containing multiple files for checking and ZIP files containing mass data and files to be checked and stored in the supplier's system.
11	Recognition of citation standards and quoted material	<ul style="list-style-type: none"> • Ability to recognize (and depending on set parameters to exclude from checking) quoted material in the text; • Ability to recognize bibliographical data in academic texts.
12	User-managed storage of theses administered by individual users	Possibility to search for matches only in this user-managed repository. User-teacher can create his own library of theses which will be stored in the system and serves for comparing theses within the library.
13	Expanding the scope of checked texts	<p>Open attitude to adding new text sources including the Czech language environment (digital libraries, publishers, etc.) depending on the future needs of the client.</p> <p>The supplier will provide an annex to the indicative tender for this public contract which will specify the manner and limits to such proposals for adding new sources for indexation.</p>
14	Recognition of translations	<p>Ability to recognize similarity with texts in a language other than the language in which they are used in the thesis being checked. The supplier will provide an annex to the indicative tender containing an example of such recognition of translation. In the translation one of the languages always has to be the Czech language, the other language may be English, German, Russian, French, or Spanish.</p>
15	Uploading of large files	Support for theses whose size exceeds 200 MB and simultaneously 600 pages in one document.
16	Content of the report of the results of checking	<p>The report must contain at least the following data: Thesis title, student name, date of checking, wordcount, evaluation result, and full text of the thesis containing highlighted problematic sections (e.g., suspected to have been plagiarised).</p> <p>If it is a document imported directly from SIS, it must also contain the thesis ID from SIS.</p>
17	System operation statistics	The system generates operation statistics available to the system administrator; at least the following items are monitored: number of uses, number of users, number of checked documents, and statistics of the results of checking. Statistics can be exported to the usual formats, e.g., CSV, XLSX. Statistics are always available for at least the last 24 months.
18	User support	Availability of user support for the central administration of the

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		system, including the possibility to permanently delete certain stored texts upon request.
19	Homogenous system	A homogenous system with its own integrity – not a composite software from various sources.
20	Feedback for students	The system offers directly in its interface the tools for marking and textual evaluation of thesis and makes it possible to add comments on individual sections of the thesis.
21	Dynamic work with similarity report	Possibility to exclude checking for selected documents (e.g., when evaluating theses of Charles University to exclude theses of Charles University). This is done after the first checking which is mentally evaluated (by reading) and it is necessary to remove for the report some documents where the match is false. For example, a habilitation dissertation is checked and a match with a published paper is found. The paper is duly quoted, which is why the paper needs to be excluded from the resulting report. This function may be an attribute for higher-level user rights (definitely not on the student level).
22	Possibility of <i>ad hoc</i> checking of texts	The system enables submitting documents, their indexing, and checking originality.