

SYSTEM_REVIEW_AND_CHANGES

Review Findings and Applied Changes

The redesign benchmarked common capabilities found across university internship platforms, placement systems, cooperative education portals, internship monitoring research prototypes, Moodle workplace assessment workflows, Handshake, Symplicity CSM, Practera, Riipen, GradLeaders, PeopleGrove, Suitable, Sonia, InPlace and open-source internship management projects. The recurring design patterns were role-based dashboards, student placement records, supervisor assignment, structured logbooks, configurable assessment criteria, weighted scoring, audit-friendly historical records, document handling and responsive interfaces.

Applied changes include Laravel 13 targeting PHP 8.3, React with Inertia, Tailwind CSS and the existing free Headless UI component library; a revised responsive administration interface; Super Administrator support; database-managed rubric templates and criteria; separate active rubrics for lecturers and company supervisors; configurable criterion labels, descriptions, maximum marks, weights and ordering; validation that weights total 100%; weighted score calculation; rubric snapshots on each evaluation; safe deletion that blocks removal of rubrics already used in evaluations; corrected duplicate attachment migration; database import script; revised installation instructions; and improved attachment authorization.

Known limitation: the packaged environment could not complete PHPUnit because the available command-line PHP lacked DOM, mbstring, XML and XMLWriter extensions. Front-end production compilation also depends on reinstalling Node modules on the target Windows machine because the uploaded archive contained platform-specific Node packages. PHP syntax and Laravel route registration were checked successfully.