

Installation guide for administrators

****Plugin:**** `local\_zsk\_ai\_generated` (ZSK AI course labelling)

****Audience:**** System administrators and Moodle managers

****Version:**** Plugin 2.4.x

What the plugin does

The plugin enables:

- ****Teacher labelling:**** Mark courses and individual activities as AI-generated (badge, notice box, optional metadata)
- ****Student transparency:**** Document personal AI use in submissions (Assignment, Forum, Glossary, Wiki, Database, Workshop)
- ****Compliance:**** Dashboard and audit log for traceability

****No other Moodle plugins**** are required as dependencies. For assignment submissions, an additional ****Assign bridge**** is needed (see below).

System requirements

Requirement	Version
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Moodle	4.1 or later (recommended: 4.4+)
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PHP	As required by your Moodle version (min. 8.0)
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Database	MySQL, MariaDB, PostgreSQL, or SQL Server (standard Moodle)
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Write access	to `moodle/local/`; for submission transparency also to selected `mod/*` files (core integration)
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****Freemium:**** Without a licence key, up to ****25 markings**** are available (courses and activities combined). Details in SETTINGS.md → Licence.

Step 1: Deploy plugin files

ZIP layout (important)

After extracting, the path must be:

```
` `` `text  
moodle/local/zsk_ai_generated/version.php  
` `` `
```

The ZIP must contain the folder `zsk\_ai\_generated/`, ****not**** the plugin files directly at the archive root.

Installation

1. Copy the folder `zsk\_ai\_generated` to `moodle/local/zsk\_ai\_generated/` (FTP, Git, or ZIP upload).
2. Verify that `bridge/zskassign/version.php` exists in the local plugin (for the Assign bridge later).

Step 2: Run upgrade

1. Log in as administrator.
2. Open ****Site administration → Notifications****.
3. Run the upgrade until you see “Database is up to date” (you may need to open Notifications twice).

Step 3: Check basic settings

****Site administration → ZSK AI course labelling → Settings****

Enable at minimum:

Setting	Recommendation
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Enable AI labelling	Yes
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Enable AI transparency for submissions	Yes (if students should document AI use)
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Enable audit log	Yes (compliance)
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Full explanation of all options: SETTINGS.md.

Step 4: Assign bridge (assignments only)

For the submission type ****AI transparency declaration**** in `mod\_assign`, a second folder is required on the server:

Role	Path
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Main plugin	`moodle/local/zsk_ai_generated/`
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Assign bridge	`moodle/mod/assign/submission/zskassign/`
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****Do not**** copy to `moodle/mod/zskassign/`.

Detailed guide: INSTALLATION_SUBMISSIONS.md

Quick steps:

1. Copy the bridge from ``local/zsk_ai_generated/bridge/zskassign/`` to ``mod/assign/submission/zskassign/`` – or use CLI:

```
```bash
cd /path/to/moodle
php local/zsk_ai_generated/cli/deploy_assign_bridge.php
```
```

2. Run ****Notifications**** again.

3. ****Site administration → Plugins → Activity modules → Assignment → Submission types**** → enable ****AI transparency declaration****.

4. In plugin settings, ****Assign bridge status**** should show “installed”.

Step 5: Core integration (Forum, Glossary, Wiki, Database, Workshop)

Moodle does not provide a plugin API for submission forms in these activities. On plugin upgrade, ****minimal callback lines**** are inserted into core files.

Check status under ****Settings → Core integration****.

If incomplete (no write access to ``mod/``):

```
```bash
php admin/cli/upgrade.php
or
php local/zsk_ai_generated/cli/apply_core_patches.php
php local/zsk_ai_generated/cli/apply_core_patches.php --status
```
```

****After every Moodle core update****, re-check integration and re-apply patches if needed.

Emergency if forum files are broken:

```
```bash
```

```
php local/zsk_ai_generated/cli/restore_forum_post.php
```

```
php local/zsk_ai_generated/cli/apply_core_patches.php
```

```
php admin/cli/purge_caches.php
```

```
```
```

Step 6: Permissions

| Capability | Default | Purpose |
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|---|---------|------------------------------------|
| `local/zsk_ai_generated:viewcompliance` | Manager | Compliance dashboard and audit log |
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Assign under ****Site administration → Users → Permissions → Define roles**** or via a custom role.

Pages:

- Dashboard: ` /local/zsk\_ai\_generated/dashboard.php`

- Audit log: ` /local/zsk\_ai\_generated/auditlog.php`

Step 7: Functional test

1. Create a test course.
2. ****Course settings → AI labelling**** → enable checkbox → Save.
3. Check course page and course list: notice box and badge (hover → tooltip).

4. Optional: test activity with mode **Optional** for submission transparency; submit as a student.

Structured test plan: TESTPLAN_AI_TRANSPARENCY.md

Updates

1. Deploy new plugin ZIP to `local/zsk\_ai\_generated/` (replace files).
2. Run **Notifications**.
3. Re-check **Assign bridge status** and **Core integration**.
4. **Site administration → Development → Purge caches** (recommended after major updates).

Uninstallation

Under **Site administration → Plugins → Manage plugins → Local plugins**, uninstall the plugin.

- Plugin tables and configuration are removed.
- Course and activity content in Moodle is unchanged.
- Core patches in `mod/forum` etc. may remain – check manually or use `cli/remove\_core\_patches.php` for full removal.

Common issues

| Symptom | Solution |
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| Plugin does not appear | Check path `local/zsk\_ai\_generated/version.php` |

| Submission type missing in assignments | Deploy bridge, see
INSTALLATION_SUBMISSIONS.md |

| No AI form in forum/wiki | Apply core integration, purge caches |

| Badge without tooltip | Clear browser cache and Moodle caches |

| Tooltip in wrong language | Since v2.4.20, badge and tooltip follow the ****session language****
(language menu), not only profile language |

| Free limit reached | Enter licence key under ****ZSK AI course labelling → Licence**** |

| Wrong folder `mod/zskassign/` | Delete folder, install bridge correctly under
`mod/assign/submission/zskassign/` |

Further documentation

| Document | Content |

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| SETTINGS.md | All admin settings in detail |

| INSTALLATION_SUBMISSIONS.md | Assign bridge and
submission type |

| TEACHER_GUIDE.md | Guide for teachers |

| STUDENT_GUIDE.md | Guide for students |

| TESTPLAN_AI_TRANSPARENCY.md | QA checklist |

| ROADMAP_ACTIVITY_TYPES.md | Planned activity types |

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