

OBE Tracking System – Consolidated Required Changes

Common Fields (All Models)

- created_at, updated_at
- created_by, updated_by
- is_active (soft delete support)

Users & Roles

- role_code (ADMIN, HOD, FACULTY, STUDENT)
- priority_level
- role description

Program

- program_code
- department_id

Course

- course_code
- program_id
- semester
- credits

CO (Course Outcomes)

- co_code (CO1, CO2...)
- bloom_level
- target_level

CO–PO–PSO Mapping

- mapping_strength (1/2/3)
- academic_year
- semester

Target Setting

- academic_year, semester
- status (draft/submitted/approved/rejected)
- submitted_at

- approved_at, approved_by

Assessments

- assessment_type (IA, ESE, Quiz)
- max_marks
- co_weightage

Marks

- student_id
- obtained_marks
- is_absent flag

CIS (Direct & Indirect)

- cis_type (direct/indirect)
- tool_name
- weightage
- academic_year

Attainment

- academic_year, semester
- locked flag
- calculation_version

Attainment Snapshot

- snapshot_month
- snapshot_year

Stress Analysis Module

- New models: StressSurveyToken, StressResponse, StressAnswer
- token_expiry, is_used
- batch_id, department_id
- stress_score
- severity_level (low/medium/high)

Audit & Verification

- entity_type
- entity_id
- action_type
- old_value, new_value

Mandatory Missing APIs

- /stress/token/generate/
- /targets/{id}/history/
- /assessments/{id}/lock/
- /audit/entity/{type}/{id}/

Restrictions & Cleanup

- Stress survey creation → Admin only
- Stress survey submission → Student/Anonymous only
- Remove duplicate evidence upload APIs