

# 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