

Section 1 — Filter Bar (Final UI Spec v2)

Placement: Fixed at top of dashboard, sticky when scrolling.

Purpose: Allow filtering by time, geography, subject/class, improvement scope. Breadcrumb navigation replaces hierarchy filter.

Row 1 — Time & Scope

- Quick Time Buttons: Yesterday | Last 7 Days | Last 30 Days (pill buttons).
- Custom Date Range: From [■] → To [■].
- Target Scope Toggle: Target | Non-Target | Both (color coded).
- Clear All Filters button (top-right).

Row 2 — Drill-Down Filters

- District ▼ (multi-select with search).
- Mandal ▼ (cascades from District).
- School ▼ (cascades from Mandal).
- Subject ▼ (multi-select).
- Class ▼ (multi-select).
- Improvement ▼ (Improved | No change | Declined).

Row 3 — Active Filter Chips

- All applied filters appear as chips (e.g., District: Warangal x). Removing a chip clears that filter.

Breadcrumb Drill Navigation

- Placement: Above Drill-down Explorer.
- Format: All Districts > Warangal > Mandal B > School XYZ.
- Behavior: Updates as user drills down; each element clickable to go back.
- Default state: All Districts.

Section 2 — KPI Cards (Final UI Spec)

Placement: Below Filter Bar, four KPI cards in one row.

Purpose: Snapshot of progress vs goals with trend indicators.

General Rules

- Big number = main metric.
- Reference line = target/goal.
- Horizontal gauge = progress indicator.
- WoW indicator = arrow + % change.
- Colors: Green (in-target/positive), Blue (out-of-target), Amber (inactive), Red (negative trend).
- Hover tooltip shows detailed breakdown.

Active Students

- Big number: 27K
- Reference: of 37K target (73%)
- Gauge: Green (22K in-target), Blue (5K out-of-target), Grey (remaining 10K)
- WoW: ↑ +5%

Active Schools

- Big number: 923
- Reference: of 1740 target (53%)
- Gauge: Green (800 in-target), Blue (123 out-of-target), Grey (remaining)
- WoW: ↓ -2%

Sessions per Student (7d)

- Big number: 0.52
- Reference: of 1.0 goal (52%)
- Gauge: Horizontal progress bar 52% filled
- WoW: ↑ +3%

Avg Time Spent (7d)

- Big number: 41 mins
- Reference: of 200 mins goal (21%)
- Gauge: Horizontal progress bar 21% filled
- WoW: ↑ +7%

Interactions

- Click KPI card filters Drill-down Explorer.
- Hover tooltip shows breakdown (e.g., in-target vs out-of-target).

Section 3 — Coverage (Final UI Spec)

Placement: Below KPI row, above Trends.

Purpose: Show composition of target pool: who is active, inactive, or outside target.

Visual Components

- Segmented Horizontal Bars: one each for Districts, Mandals, Schools, Students.
- Segments: Green = In-target Active, Amber = In-target Inactive, Blue = Out-of-target Active.
- Each segment labeled with values (K).

Toggle Options

- Scope Toggle: Students | Schools | Mandals | Districts (default: Students).
- Display Toggle: Absolute Numbers | % Coverage.

Interactivity

- Clicking segments filters Drill-down Explorer.
- Bars update dynamically with filters.

Section 4 — Trends & Improvement (Final UI Spec)

Placement: Below Coverage, above Drill-down Explorer.

Purpose: Show momentum over time and student practice journey.

Sparkline Trend Cards

- Metrics: Sessions per Student, Avg Time Spent, Diagnostics Completed, Milestone Improvement.
- Each card: Big number, sparkline trend (4–6 weeks), WoW arrow.

Progress Funnel

- Stages: Total Students → Completed Diagnostics → Practicing >200 mins → Improved Milestone → Completed All Levels.
- Each stage: absolute + % of total.
- Visual funnel highlights drop-offs.

Interactivity

- Hover on sparkline shows week data.
- Click card filters Explorer by metric.
- Click funnel stage filters Explorer by stage.

Section 5 — Drill-down Explorer (Final UI Spec)

Placement: Bottom of dashboard.

Purpose: Detailed sortable view of entities, highlighting laggards.

Navigation

- Driven by clickable drill-down + breadcrumbs.
- Starts at District → drill to Mandal → School → Student.

Table Layout

- District View: District | Active Schools | Active Students | Sessions/Student | Avg Time | Improvement %.
- Mandal View: Mandal | Active Schools | Active Students | Sessions/Student | Avg Time | Improvement %.
- School View: School Name | Active Students | % of Target | Sessions/Student | Avg Time | Improvement %.
- Student View: Student ID | Sessions | Time Spent | Milestone Start→Current→Change | Status (Target/Non-target).

Interactivity

- Sort columns, conditional formatting (■ ■ ■).
- Click row drills deeper.
- Hover tooltip shows extra details.

Export

- Export current view to Excel. Export respects filters + drill level.