

## Problem Statement Details

<b>Problem Statement ID</b>	25102
<b>Problem Statement Title</b>	AI-based drop-out prediction and counseling system
<b>Description</b>	<p>Background: By the time term-end marks reveal failures, many struggling students have disengaged beyond recovery. Counsellors and mentors need a mechanism that surfaces risk indicators-falling attendance, high number of attempts exhausted to pass a particular subject, reducing test scores-weeks earlier. Description: Attendance percentages live in one spreadsheet, test results in another, and fee-payment data in a third. No single view exists to signal that a learner is slipping in multiple areas simultaneously. Commercial analytics platforms promise predictive insights but demand funds and maintenance beyond the reach of public institutes. A simpler, transparent approach would merge existing spreadsheets, apply clear logic to colour-code risk, and notify mentors on a predictable schedule. Such a system must be easy to configure, require minimal training, and empower educators-not replace their judgment. By focusing on data fusion and timely alerts rather than complex algorithms, the institute can intervene early and reduce drop-out rates without fresh budget lines. This challenge epitomises the hackathon spirit: take what is already present, integrate it cleverly, and produce meaningful impact using machine learning. Expected Solution: Participants are expected to build a consolidated digital dashboard that automatically ingests attendance, assessment scores, and other student related data; applies clear, rule-based thresholds to identify at-risk students; highlights them in an intuitive visual format; and dispatches regular notifications to mentors and guardians, ensuring early, data-driven intervention achieved entirely through suitable machine learning approaches.</p>
<b>Organization</b>	Government of Rajasthan
<b>Department</b>	Directorate of Technical Education (DTE)
<b>Category</b>	Software
<b>Theme</b>	Smart Automation