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### Key Indicator-2.6: Student Performance and Learning Outcomes

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| <b>Metric No: 2.6.2</b> | <b>Attainment of Program Outcomes and Course Outcomes</b> |
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#### Description:

Outcome Based Education (OBE), being the core aspects of **industry readiness** and one of the foundation philosophy of **NEP-2022** in terms of **experiential learning**, SDM College of Engineering and Technology has started integrating OBE philosophy in its curriculum **since 2010** and **incrementally** making progress as a major drive of autonomy granted by **UGC** and affiliating **university**. OBE philosophy is witnessed in curriculum structure, pedagogy, assessment tool and assignments based on course teacher's assessment(**CTA**).

The **major steps** followed in OBE implementation are as below:

1. **Writing** Course Outcomes(**COs**), Program Outcomes (**POs**)/Program Specific Outcomes(**PSOs**): This is done based on blooms taxonomy and IEEE/ACM body of knowledge (BoK).
2. **Mapping** Course Outcomes with Program Outcomes(POs): Mapping is done at level-3 (Substantial), at Level-2 (Moderate) and at Level-1 (introductory) based on industry readiness supported by various assessment tools.
3. **Measurement** of Attainment of Outcomes: This is the cumulative assessment involving all assessment tools based on marks scored by students against the total marks allotted for a particular COs. Percentage of such students in a class represents the attainment of a particular CO. Based on mapping of COs with POs indicated in the syllabus, attainment of POs is calculated using weighted average. This attainment is verified against the target set at three different levels i.e. at level 3, 2 and 1. These targets are expressed as percentage of students reaching the set percentage of marks.
4. Writing **action plan** and correcting/revising learning procedures for students: These actions are based on corrections to pedagogy, curriculum intervention and various other Teaching Learning Process(TLP) related aspects.