

7.3. (2017-18)

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust:

As identified by several surveys, there exists a large gap between industry and academia especially in professional education. This has led to the poor employability of professional graduates. The institution has as its primary vision objective, defined its mandate to provide high-quality education tailored to the needs of students in the emerging technology age. Since it acquired autonomy status in 2015, MVGR has been actively building curriculum and pedagogy approaches to bridge this gap. MVGR conduct bridge courses in basic sciences for students at the first year level to supplement their understanding and build a common platform before embarking on their respective professional programs. Attempt is made by the faculty to also bring in relevant program-wise examples of application of basic sciences (math, physics and chemistry) so that students can better appreciate the importance of strong foundation in basic sciences. Once this platform is built, individual programs deliver their respective curricula that have been developed comprehensively by the concerned faculty members. The curricula attempts to integrate industry practices into academic settings to give students exposure to real-life scenarios both in classroom as well as laboratory sessions. In the classroom, this has been done through the introduction of industry parts catalogue for design and selection of suitable part. In the laboratory, attempts have been made to recreate industry scenarios that students have to address through suitably self-designed experiments and present the solution to the problem. Elective course on leadership using a case-based approach as adopted in the world's best management institutions such as Harvard and MIT, was introduced at the undergraduate level to engineering students to give them exposure to alternate pedagogical approaches as well as to prepare them for leadership careers in industry.

The autonomous curriculum also offers elective streams that are carefully designed to build competence in upcoming areas of technology such as cloud computing, big data analytics, product development etc. rather than providing a list of electives alone. These major curriculum development initiatives have helped the faculty members carefully understand the needs of the student in the present smart connected age and build competence in them accordingly through a combination of curriculum, pedagogy approaches and evaluation methodologies.




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