

## **1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific outcomes (PSOs) and Course Outcomes (COs) of the Programmes offered by the Institution**

Yes.

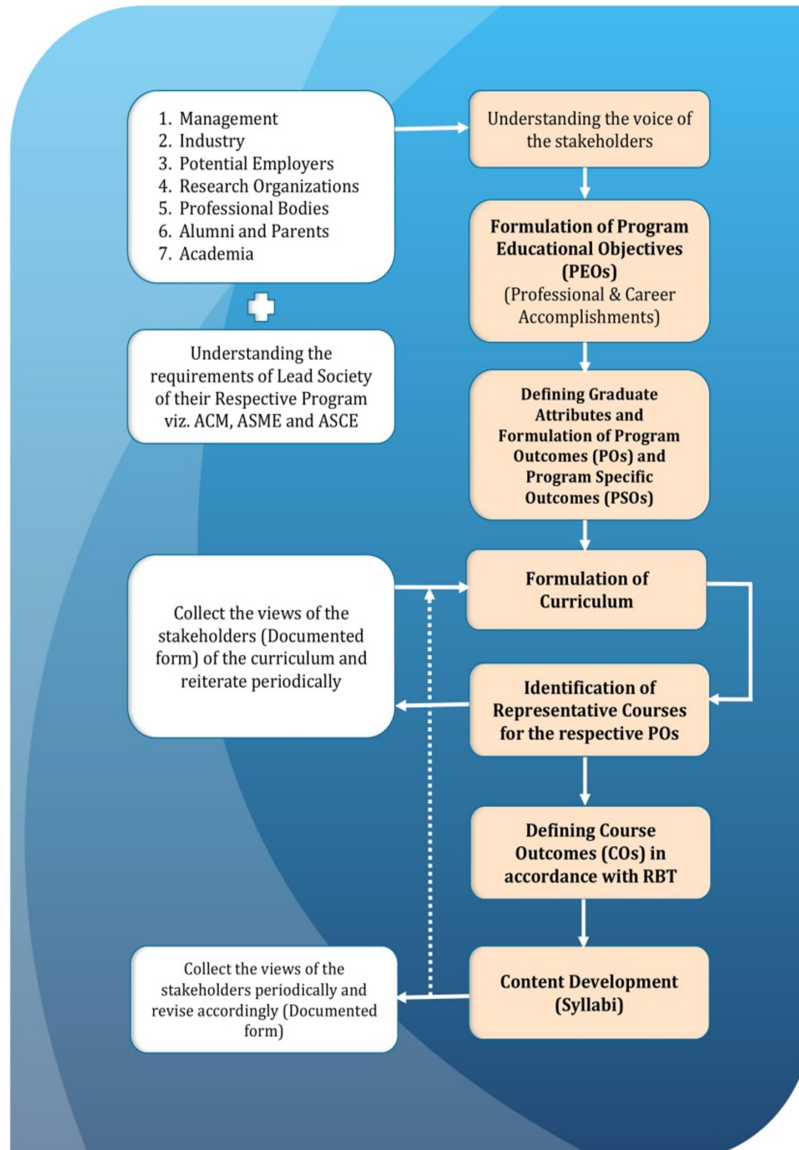
Keeping in mind the short and long term goals of the institution, in a very scientific way the vision and mission statements have been evolved contributing to the local, national, regional and global developmental needs. As per the vision statement, “To be among the most preferred institutions” for engineering and technological institutions in the country, the institution aims at producing engineering graduates with professional ethics, work culture integrated with research and innovation contributing to the national and global development. For effective realization of the vision, mitigating the challenges related to society and industry, the following mission statements have been made for the short term goals.

- To turnout disciplined and competent engineers with sound work and life ethics
- To implement outcome based education in an IT-enabled environment
- To encourage all-round rigor and instill a spirit of enquiry and critical thinking among students, faculty and staff
- To develop teaching, research and consulting environment in collaboration with industry and other institutions

With the above spirit, the curriculum development and revision is being done with the structured feedback mechanism by taking necessary feedback from all the stakeholders (industry, employers, potential employers, professional bodies, academicians and alumni) addressing to the needs of the local, national, regional, and global developments to reflect in the Program Outcomes (POs). The feedback mechanism is deployed twice in a year to capture the voice of the stakeholders as discussed above to deliberate in the subsequent Boards of Studies and Academic Council. Accordingly the changes are being made in the curriculum time

to time following the norms of UGC to make the graduates industry ready and adequate care has been taken to ensure the curriculum development and revision has been done complying with POs defined by the national accreditation body. Further, aligning with the OBE philosophy the POs, the Course Outcomes (COs) are written by giving due weightage to the collated feedback from the stakeholders leading to the development of course objectives and content. The Figure 1.1 shows the OBE framework for the curriculum development and revision. The curriculum structure for graduation requirements has been evolved in accordance with the model curriculum suggested by AICTE, Andhra Pradesh State Council for Higher Education (APSCHE) and the affiliating university curriculum framework focusing on experiential learning, self-study, collaborative learning and other similar student centric learning experience.

In order to skill the students and make them globally accepted, appropriate components are included in the curricula in line with the holistic development of the students. As per the requirement of national accreditation body, the program specific outcomes (PSOs) are formulated in line with the recommendations of the respective professional lead societies viz. ASME, ASCE, IEEE, AIChE, ACM. The curriculum developed complies with the salient features of AICTE model curriculum facilitating the faculties and students towards community engagement addressing local/regional community issues pertaining to the agricultural and industrial needs.



**Figure 1.1 OBE Framework for Curriculum Development and Revision**

### Additional Documents

- 1) PEO, PO & PSO: <https://bit.ly/2SCDI96>
- 2) Sample Feedback Forms: <https://bit.ly/2GAUJhN>