



Steps for defining Department Vision and Mission

In formulating the Vision and Mission of the Department, the following steps are followed:

- Step 1.** Vision and Mission of the college and sample Vision & Mission statements of high repute institutions are taken as basis.
- Step 2.** Views are taken from the stakeholders of the Department such as students, alumni, faculty members, employers and parents.
- Step 3.** The views about the Vision and Mission of the department are formulated by the Program Assessment Committee (PAC).
- Step 4.** The Department Committee (DC) reviews the Vision and Mission of the department and checks the consistency with the Vision and Mission of the Institute and finalizes the Vision and Mission of the department. If the statements are not consistent then it sends them to Department Advisory Committee (DAC) to conduct brainstorming session for refining the Vision and Mission statements.
- Step 5.** DAC reviews and finalizes Vision and Mission statements and sends them to Principal for approval.
- Step 6.** Vision and Mission statements of the department are published, displayed and disseminated among Stake Holders.



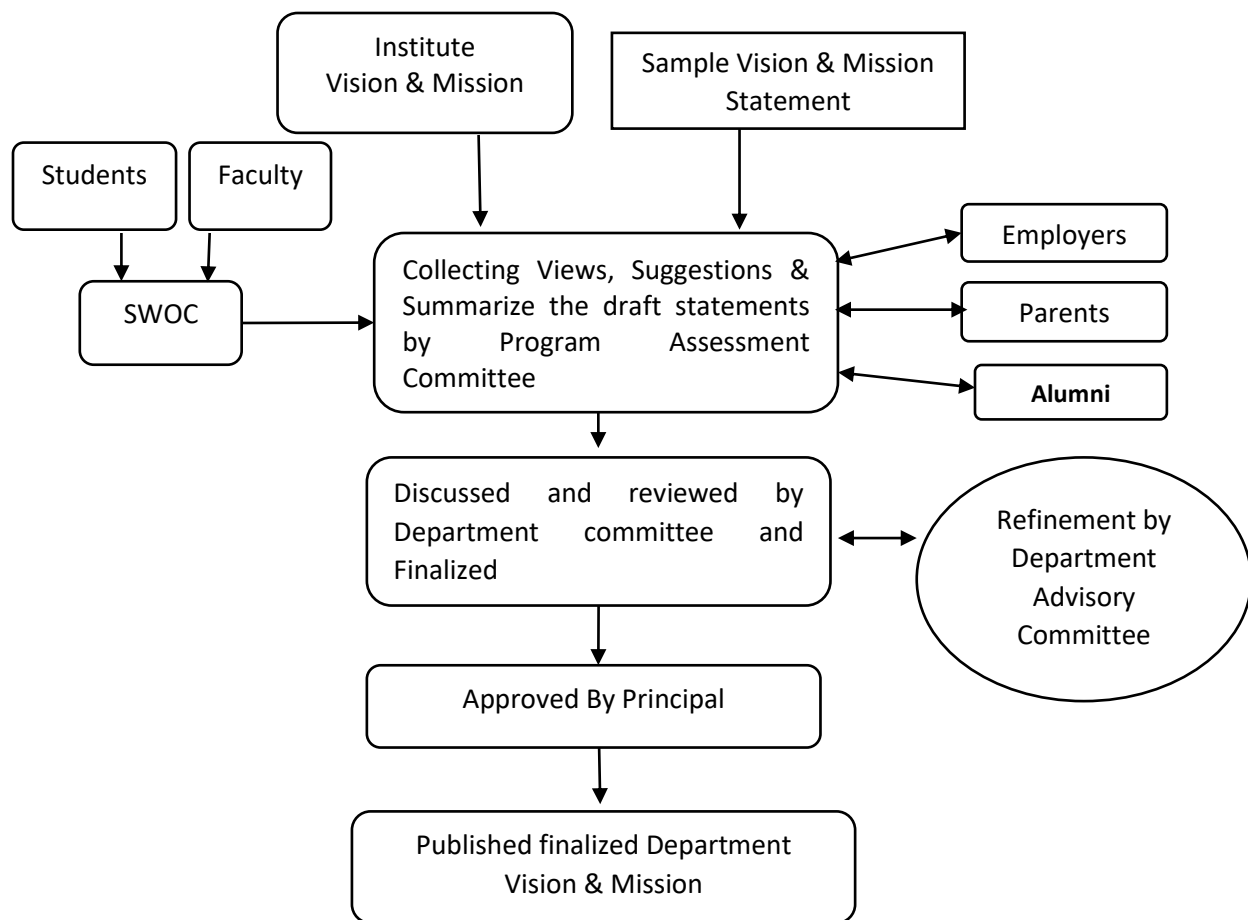
Aditya College of Engineering & Technology

Aditya Nagar, ADB Road, Surampalem – 533437

Mechanical Engineering

Vision and Mission formation process chart

Vision and Mission of the Department is formed through the following process.





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Mechanical Engineering

PEOs for B.Tech Program formation procedure

- Step 1.** Vision and Mission of the college and sample Vision & Mission statements are taken as basis.
- Step 2.** Vision, Mission and PEOs of the Department are taken on the basis of interaction with various stakeholders.
- Step 3.** The Program Assessment Committee (PAC) collects the survey results of various stakeholders.
- Step 4.** On considering the views of the stakeholders, the PEOs are formulated by the DAC.
- Step 5.** The PEOs are presented before the Department Advisory Committee (DAC) for additional inputs to improvise the program.
- Step 6.** DAC reviews and finalizes PEO statements, with the approval of principal PEOs were sent to Governing Body.
- Step 7.** PEOs for B.Tech Program were published, displayed & disseminated among stakeholders.

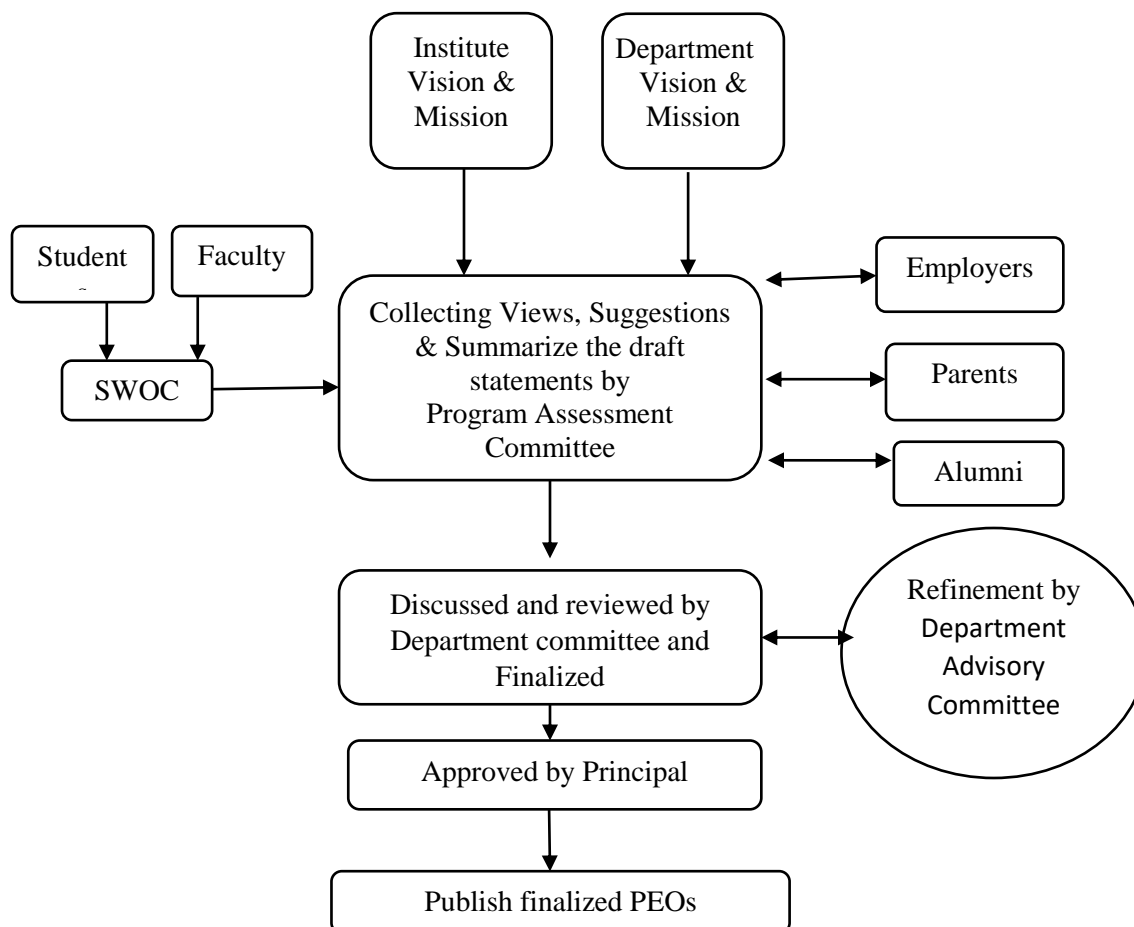


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Program Educational Objectives for B.Tech program formation process chart





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Mechanical Engineering

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PROGRAM NAME: B.Tech in MECHANICAL ENGINEERING

1. Learn the principles of applied and fundamental engineering sciences that are required to formulate and solve problems in Mechanical Engineering.
2. Exhibit technical skills in solving real world problems using emerging technologies considering societal, technological and business challenges.
3. Work effectively as individuals and as team members in multidisciplinary projects.
4. Engage in professional practice with ethical values and attitude of lifelong learning.

PROGRAM SPECIFIC OBJECTIVES (PSOs)

1. Mechanical Engineers must be able to analyze, design, and evaluate mechanical components and systems using cutting-edge software tools as required by the industries from time to time.
2. The ability to work in manufacturing and other sectors' operations and maintenance plants.
3. As part of a team or individually, plan and manage activities in micro, small, medium, and large enterprises.