

The Process for Establishing the POs

The POs are established through the following process steps:

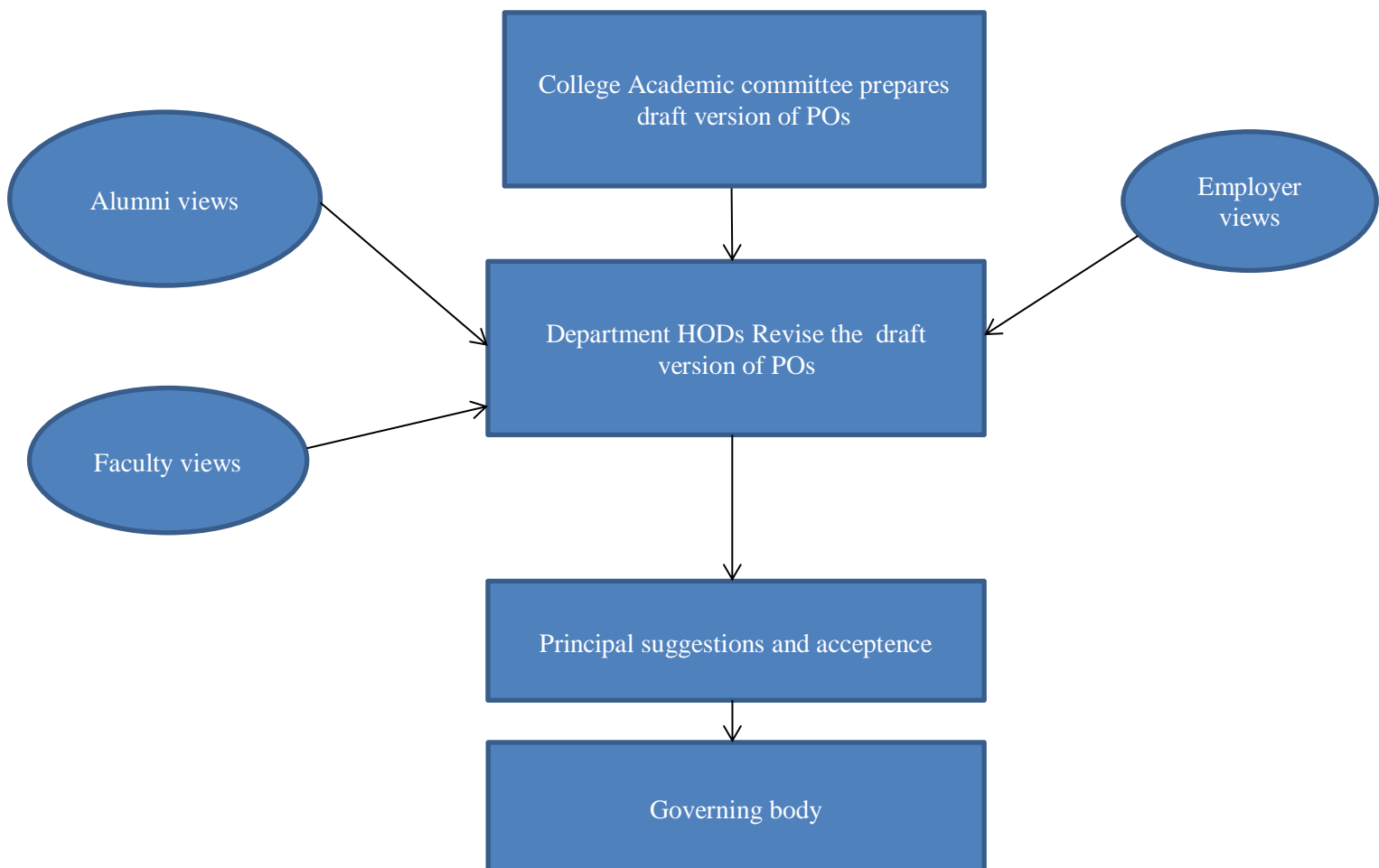
The Vision, Mission of the institute along with the 12 Graduate Attributes is used in defining the POs.

Step 1: College Academic Committee consults the key constituents: faculty and collects their views and prepares the draft version of the POs.

Step 2: The Department HODs gather views from the Alumni, Industry representatives / Employer along with the faculty and revise the draft.

Step 3: The Department HODs analyze and express its opinion on the revised POs and forwards the same for final approval to the principal.

Step 4: Principal deliberate on the views expressed by the Department HODs formulate the accepted views and forward to Governing body.



PROGRAM OUTCOMES (POs) FOR UG COURSES

Program Outcomes		
PO1	Engineering knowledge	An ability to apply knowledge of mathematics(including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and modeling
PO2	Problem analysis	An ability to design, simulate and conduct experiments, as well as to analyze and interpret data including hardware and software components
PO3	Design / development of solutions	An ability to design a complex electronic system or process to meet desired specifications and needs
PO4	Conduct investigations of complex problems	An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
PO5	Modern tool usage	An ability to use the techniques, skills and modern engineering tools necessary for engineering practice
PO6	The engineer and society	An understanding of professional, health, safety, legal, cultural and social responsibilities
PO7	Environment and sustainability	The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and demonstrate the knowledge need for sustainable development.
PO8	Ethics	Apply ethical principles, responsibility and norms of the engineering practice
PO9	Individual and team work	An ability to function on multi-disciplinary teams.
PO10	Communication	An ability to communicate and present effectively
PO11	Project management and finance	An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multi-disciplinary environments
PO12	Life-long learning	A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning

PROGRAM OUTCOMES (M.TECH)

PO1. Demonstrate knowledge with ability to select, learn and apply appropriate techniques, skills and modern engineering tools to solve engineering problems appropriate to the relevant discipline.

PO2. Analyze engineering problems critically, conceptualize, design, implement and evaluate potential solutions to contribute to the development of scientific/technological solutions in the context of relevant discipline.

PO3. Independently carry out research /investigation and development work to solve practical problems.

PO4. Function effectively as an individual and in a team to possess knowledge and recognize opportunities for career progression and research.

PO5. Communicate effectively in professional practice through verbal and written formats.

PO6. Recognize the need for self-motivated pursuit of knowledge to show commitment and competence in the broadest context of technological change.

PROGRAM OUTCOMES (MBA)

PO1. Demonstrate the knowledge of management science to solve complex corporate problems using limited resources

PO2. Research literature and identify and analyze management research problems.

PO3. Identify business opportunities, design and implement innovations in work space.

PO4. Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to management practice.

PO5. Apply ethical principles for making judicious managerial decisions.

PO6. Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO7. Communicate effectively with various stakeholders

PO8. Engage in independent and life-long learning .