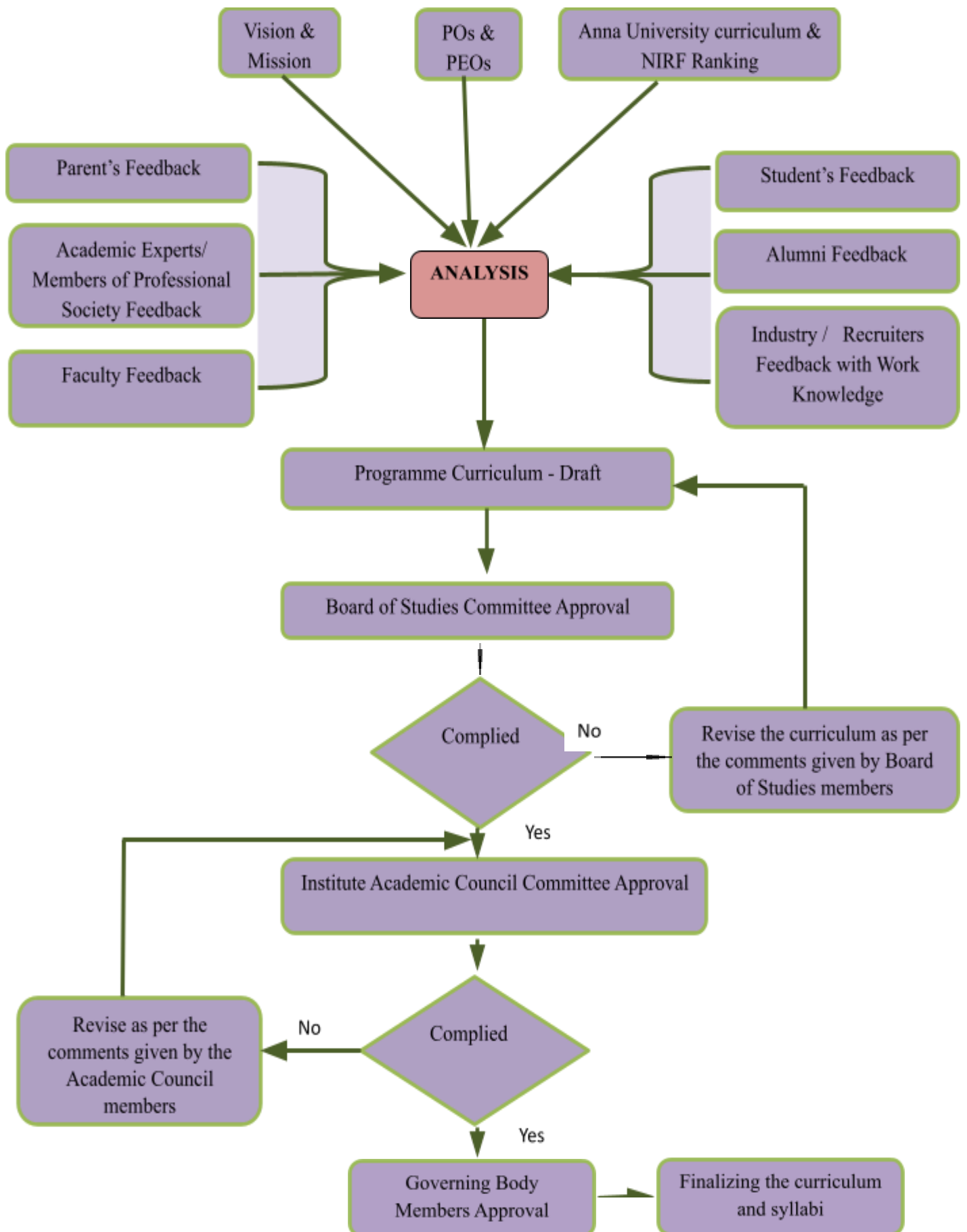


1.2.1 Process for developing /revising the Program Curriculum



VISION OF THE INSTITUTION:

“To Emerge and Sustain as a Center of Excellence For Technical and Managerial Education Upholding Social Values.”

MISSION OF THE INSTITUTION:

Our aspirants are

- Imparted with comprehensive, innovative and value - based education.
- Exposed to technical, managerial and soft skill resources with emphasis on research and professionalism.
- Inculcated with the need for a disciplined, happy, married and peaceful life.

OBJECTIVES:

- To provide quality education to students
- To empower students to be committed employees or employers
- To work towards holistic development of students inculcating social values and ethics
- To enhance the competency and excellence of teachers
- To promote research and development among staff and students
- To serve the community and Nation through extension activities.

The eight Golden Goals framed for every stake holder to look up to and achieve are

- Uncompromising regularity and punctuality.
- Academic excellence.
- Depth in subject and general Knowledge.
- Suitable placement or higher education or entrepreneurship.
- Curiosity of learning, research and development.
- Proficiency in Communication skills.
- Professional values and Social ethics.
- Keeping good health and following good habits.

The apparently ambitious yet very realistic Vision, Mission, Objectives and the Golden Goals are communicated to all the stake holders through the following means:

The College hand book records the Vision, Mission, Objectives and the Golden Goals in the first few pages. The Hand Book is issued to all the students and teachers at the beginning of each academic year.

The prospective students and their parents come to know about the above through the college prospectus.

The global public read the remarkable words as these are posted in the college website.

Newsletters published quarterly, carries the significant statements to reiterate the Vision, Mission, Objectives and Goals.

Within the college campus, the statements are displayed on boards placed at prominent locations.

The fresher's are introduced to the Vision, Mission, Objectives and Goals during the bridge course and orientation program.

Program Outcomes:

- **PO1:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex engineering problems.
- **PO2:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **PO3:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.
- **PO4:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **PO5:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities, with an understanding of the limitations.
- **PO6:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **PO7:** Understand the impact of professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for, sustainable development.
- **PO8:** Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
- **PO9:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **PO10:** Communicate effectively on complex engineering activities with the engineering community and with the society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **PO11:** Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **PO12:** Recognize the need for, and have the preparation and ability to engage in, independent and life-long learning in the broadest context of technological change.

DEPARTMENT OF CIVIL ENGINEERING

VISION

To inspire and mould Civil Engineering aspirants as competent and dynamic infrastructure developers.

MISSION

Our mission is to

- Integrate high quality Civil Engineering education and research.
- Keep the students abreast with the state of the art theory and practice.
- Create a supportive environment to meet professional challenges.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VISION

To become a Center of Excellence in the field of Computer Science and Engineering upholding social values

MISSION

- Heightening the knowledge of the faculty in recent trends through continuous development programmes.
- Transforming the students into globally competent and technically well-equipped Computer Professionals with strong theoretical and practical knowledge.
- Cultivating the spirit of social and ethical values for the cause of development of our Nation.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VISION

To emerge as a vibrant centre of repute, moulding students to excel in Electronics and Communication Engineering with ethical responsibility.

MISSION

To excel in producing competent Electronics and Communication Engineering professionals by

- Imparting strong theoretical background in the fundamental concepts.
- Providing self-directed learning opportunities to meet a variety of career choices.
- Training students to realize ethical and environmental responsibilities for the betterment of mankind.
- Entailing the students in Research and Development activities.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VISION

To produce quality Electrical Engineers for industry and good citizens for society through excellence in technical education and research.

MISSION

- To empower graduates with sophisticated knowledge and technical skills.
- To explore, create and develop innovations in Electrical Engineering and Technology.
- To provide beneficial service to the rural, state, national and international communities.

DEPARTMENT OF INFORMATION TECHNOLOGY

VISION

To become a nationally recognized Center of excellence in the field of Information Technology through Teaching, Research, Consultancy and Service.

MISSION

- Producing graduates with high quality, state-of-art knowledge, ethics and social responsibility.
- Promoting excellence in teaching, research, leadership and strong contribution to the society.
- Enhancing the student's knowledge in the recent technology by conducting continuing education programs, organizing and participating in various technical events.
- Promoting the industry-institution collaboration and empower the students in multidisciplinary and interdisciplinary activities.

DEPARTMENT OF MECHANICAL ENGINEERING

VISION

To prepare our students for meeting global Mechanical Engineering challenges and contribute to the prosperity of the society.

MISSION

- To develop the ability of the students towards meeting diversified Engineering needs of industries and higher education.
- To promote students' awareness about the importance of professional ethical practices and the needs of sustainable environment.
- To create awareness about innovation which meet the requirement of industry and common people.
- To provide opportunities to the students to exhibit leadership, teamwork and effective communication skills.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

VISION

To emerge and sustain as academic excellence in Artificial Intelligence and Data Science to produce ethical professionals through innovative research and education.

MISSION

- To promote industry ready graduates by acquiring intelligent data analytical skills.
- To empower the graduates towards research and application-oriented knowledge for higher studies.
- To equip the graduates with entrepreneurship skills to serve the needs of society.

DEPARTMENT OF MANAGEMENT STUDIES

VISION

To become Institute of excellence bringing up world class executives, leaders with global mindset and sustaining the growth for the organization and society.

MISSION

- Imparting knowledge and skills, synthesizing disciplines, adapting to changes and adopting technologies.
- Providing student – centric, socially conscious education that foster employability, entrepreneurship, innovation and leadership abilities.
- Promoting Industry-Institute Interaction and facilitating community reach and development.