

# **Mission and Goals**

## **A Vision of Leadership**

Malla Reddy College of Engineering creates a better future for all through its leadership and excellence in engineering education. It will accomplish this by fostering a challenging, enlightened, and collaborative academic environment that demands excellence, encourages innovative education, and supports ground-breaking discovery. The college's graduates will be recognized and valued for their commitment to excellence, enthusiasm for learning, ethical behavior and integrity, and exceptional leadership.

## **A Mission of Distinction**

Our college has a rigorous and dynamic intellectual community that plays an important role in the interdisciplinary. In this context, the college's mission is to: provide students with a broad and exceptional education that prepares them to excel in their professions and to become creative leaders and mentors in an increasingly complex world; lead responsively and creatively in the discovery of new knowledge and transforming inventions and technologies; and create a better future for all people through the application of innovative ideas and resources and the solution of important and complex global problems.

## **Supporting Values**

Our college core values underscore and support its vision and mission to be a world leader in engineering education and innovative thinking through its commitment to. It will

- Treat all individuals with dignity and respect, judge impartially, critique fairly, and encourage without reservation;
- Value differences and recognize that multiple perspectives enhance creativity;
- Embrace innovation, demonstrate a willingness to take risks, and persist in the face of challenges to achieve the seemingly impossible;
- Excel at what really matters, and aspire to greatness; and be worthy of the trust and respect that the college has earned.

## Enabling Goals

In order to achieve its mission and bring its vision to life, the College of Engineering has established the following goals:

- To be considered one of the best engineering college in undergraduate studies;
- To recruit, retain, and enable a diverse community of exceptional faculty, students, and staff;
- To educate future leaders who are the most sought-after engineering graduates in the world; and
- To establish and maintain facilities and infrastructure that are second to none in supporting the achievement of the college's vision, mission, and values.

## Student Learning Goals

**In terms of their general abilities**, our graduates will

1. Have a broad education, including liberal studies.
2. Be proficient in oral and written communication.
3. Be proficient in information literacy, i.e. be able to locate, evaluate, and effectively interpret claims, theories, and assumptions in science and engineering.
4. Have experience with teamwork.
5. Be aware of professional and ethical responsibilities.

**In terms of their discipline**, students will be well grounded in the mathematical, scientific, and engineering skills that are the basics of their discipline. More specifically, our graduates will have:

1. The ability to design experiments, to analyze the data, and to interpret the results.
2. The ability to design, model, and analyze engineering systems.
3. The ability to formulate and solve problems.
4. The ability to use the techniques and tools necessary for the practice of their discipline.