

## **1. Vision and Mission statement of the Institute (DCE, Darbhanga)**

- Vision:** To produce quality engineers to pursue higher studies and serve the national, multi-national companies at large.
- Missions:** To produce quality engineers through good teaching-learning ambience.  
To promote the graduates for higher studies and research.  
The graduates will serve the nation through public services.  
To provide engineers to serve the society through ethical values.

## **2. Vision, Mission, PSO (Program Specific Objective) and PEO (Program Educational Objective) of the Branch Electrical and Electronic Engineering of DCE, Darbhanga.**

- Vision:** To produce quality electrical and electronics engineers to pursue higher studies, serve the national and multinational companies at large.
- Missions:**
1. To provide high quality teaching and finest environment for learning to the students.
  2. To promote the graduates for higher studies and research
  3. To embed ethical values in graduates through various activities.
  4. To expose our graduates to the latest technology and research through collaboration with the industry and research institutes.
- PSOs:**
1. Students should be able to identify, formulate and solve problems in the areas of automation, control systems and power engineering.
  2. To build highly competitive, innovative and trained graduates required in high voltage engineering, robotics and renewable energy fields.
- PEOs:**
1. To prepare undergraduate students to excel in technical profession/ industry and/or higher education by providing a strong foundation in science and engineering.
  2. To enable students to analyze and provide solutions to real life engineering problems and design electrical systems that are technically sound, economically feasible and socially acceptable.
  3. To develop professionalism, ethical attitude, communication skills and team work in students.
  4. To enable students to adapt to current trends by engaging in lifelong learning and participating in Research & Development.

### **3. Vision, Mission, PSO (Program Specific Objective) and PEO (Program Educational Objective) of the Branch Mechanical Engineering of DCE, Darbhanga.**

**Vision:** To produce quality mechanical engineers to pursue higher studies in thermal, manufacturing and design engineering, serve the national and multinational companies.

**Missions:**

1. To produce quality mechanical engineers through a good teaching-learning ambience.
2. To promote the graduates for studies and research in mechanical engineering  
Graduates will serve the nation through public services
3. To produce mechanical engineers to apply their knowledge and skills while working as a professional engineer keeping ethical values.

**PSOs:**

1. Students should be able to understand and apply the concept in the field of design, manufacturing, and in thermal areas.
2. Students should be able to learn and apply the software like AutoCAD, Ansys, Catia for various applications

**PEOs:**

1. The graduates will demonstrate the knowledge and skills of mechanical engineering to obtain the solution to the complex design engineering problems.
2. The graduate will apply the mechanical engineering concepts while pursuing academic and research activities.
3. The graduates will showcase the professional skill with keeping societal ethical values.

### **4. Vision, Mission, PSO (Program Specific Objective) and PEO (Program Educational Objective) of the Branch Civil Engineering of DCE, Darbhanga.**

**Vision:** To produce quality civil engineers to pursue higher studies in core areas of civil engineering who are also competent to serve the national and multi-national industries and our society at large.

**Missions:**

1. To produce competent and technologically capable professionals through good teaching-learning ambience as well as by collaborating with relevant industries.
2. To motivate graduates towards innovation and research in the field of civil engineering.
3. To provide quality education in undergraduate levels with strong emphasis on professional ethics and social commitment.

- PSOs:**
1. Graduates will be able to function as design consultants in the relevant industry for the design of civil engineering structures using modern software tool.
  2. Graduates will be able to develop knowledge in some specific technical areas of civil engineering; Structural, Geotechnical, Transportation, Earthquake and Environmental engineering.
- PEOs:**
1. The graduate will apply the civil engineering concepts while pursuing higher academic and research activity.
  2. The graduates will showcase the professional skills keeping societal and ethical values.
  3. The graduate will demonstrate the knowledge and skills of civil engineering to solve the structural and design engineering problems.

**5. Vision, Mission, PSO (Program Specific Objective) and PEO (Program Educational Objective) of the Computer Science Engineering of DCE, Darbhanga.**

- Vision:** To produce valuable and cultured graduate student meeting the expectation of national, multi-national industries who will also excel in the field of computing and higher studies.
- Missions:**
1. To provide strong theoretical knowledge of computer science with practical training which meets the industries expectation.
  2. Convey the necessary skills to continue higher studies and to grow professionally.
  3. Making conscious towards stock holders, human value, ethic and society.
- PSOs:**
1. Students should be able to analyze the problem and produce the mathematical model which will be efficient and economical.
  2. Students should be able to use new technologies and tools for carrying multi-disciplinary projects and reduce human efforts.
- PEOs:**
1. Students will demonstrate their professional skills and leadership roles in multi-disciplinary team.
  2. Students will be able to effectively communicate, understand the problem of industries, society, environment and endeavor to find the solution with high ethical responsibilities.
  3. Students will be able to engage in life-long learning, pursue higher studies and competitive in their profession.