



# PRAGATI ENGINEERING COLLEGE

(Autonomous)

ADB Road, Surampalem, E.G.Dt., A.P. – 533 437

(Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada)

(Recognized by UGC Under Sections 2(f) and 12 (B) of UGC act, 1956)

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## **Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum**

Pragati Engineering College (PEC) recognizes the importance of addressing cross-cutting issues in education and incorporating them into the curriculum. The college is committed to integrating values and frameworks related to professional ethics, gender, human values, environment and sustainability, and other aspects enshrined in the Sustainable Development Goals (SDGs) and the National Education Policy - 2020 (NEP-2020).

Professional ethics play a vital role in shaping the character and behavior of future engineers. PEC emphasizes the importance of ethical conduct, integrity, and responsibility among its students. The college incorporates courses and activities that focus on ethical decision-making, professional conduct, and the social implications of engineering practices. 'Professional Ethics and Human Values' course is made mandatory to all engineering branches.

PEC emphasizes to minimize gender disparities and biases inline with one of the fundamental right i.e., right to equality as per our constitution for achieving sustainable development. PEC organizes gender related topics, discussions, and case studies to raise awareness about gender issues and promote a more inclusive and equitable society.

Human values form the foundation of ethical behavior and personal development. PEC recognizes the significance of instilling human values in students to cultivate a sense of empathy, compassion, and social responsibility. 'Universal Human Values-II Understanding Harmony' is a new course that has been added to the curriculum.

Recognizing the urgent need to address environmental challenges, PEC integrates environmental education and sustainability practices into its curriculum. The Institution emphasizes the importance of sustainable development, resource conservation, and environmental stewardship. Students are exposed to topics such as climate change, renewable energy, waste management, and sustainable engineering solutions. Students develop the knowledge and skills necessary to contribute to a greener and more sustainable future. Through the courses like 'Environmental Science', 'Renewable Energy Engineering', 'Disaster Management', 'Sustainable Energy Technologies', 'Water Resource Engineering' which have been added to the curriculum.

The PEC integrates topics related to the SDGs into the curriculum, enabling students to understand the interconnectedness of social, economic, and environmental issues. PEC incorporates the principles of the NEP-2020 by adopting learner-centric approaches, interdisciplinary learning, and promoting a broad-based education that goes beyond technical skills. By aligning with the NEP-2020, PEC aims to produce graduates who possess a well-rounded education, a sense of social responsibility, and the ability to adapt to a rapidly changing world.