

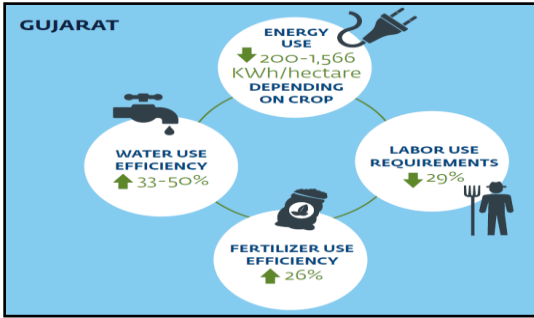
REPORT OF INDUSTRY-INSTITUTE INTERACTION ACTIVITIES CONDUCTED IIC CELL DURING A YEAR 2017-2020

Expert Lecture on Scope of Agriculture Engineer In Micro Irrigation Sector

With the initiative and guidance of Principal College of Agricultural Engineering and Technology Godhra the Industry Institute Interaction Cell at College organized an expert lecture and interaction session with Er. Paresh Parasana, Gujarat State Head, Irrilink Drip Irrigation Industries, Vadodara on 1/12/2017. Professor & Head, Soil and Water Conservation Engineering, CAET, Godhra welcomed him with appreciation of his love and affection for the agricultural engineering profession and then Er. Parsana gave a brief presentation on “**Scope of Agriculture Engineer In Micro Irrigation Sector**”. He talked with the students about the values of the agricultural engineering and role of micro irrigation system in agricultural production and shared his experience of working with different people in India.

Growing population and changing food consumption patterns are estimated to require a doubling of food production in the developing countries by 2050. Eighty percent of this increase would need to come from higher crop yields and greater crop intensity given limited scope for agricultural land expansion. Expanding the use of efficient irrigation and agricultural water management technologies is a key part of the solution to increasing yields in a sustainable manner — currently only 30 percent of land in india for example is cultivated using irrigation.

Efficient irrigation allows farmers to (i) use less water to grow the same amount of crops; (ii) more productively farm larger areas of land by using the same amount of water; or (iii) use the same amount of water to grow higher value, more water-intensive crops. Efficient irrigation reduces energy use because less water is needed for a comparable area of irrigation, which in turn requires less energy for pumping this water. When automated, farmers are also able to easily and safely irrigate crops during times of fewer power disruptions (i.e., at night). Efficient irrigation decreases the amount of time required for providing water to a crop area due to the regulated flow of water in the irrigation operation. This indirectly reduces time spent on weeding and applying fertilizer. EFFICIENT IRRIGATION also led to between 40-110% HIGHER YIELDS, which in turn led to an INCREASED INCOME of 30–100%.



During interaction, students were encouraged to ask various questions related to micro irrigation system and placement opportunities. He also assured his support to bring- Irrilink Drip Irrigation industries for campus placement and find new opportunities for the students.