

DISTINCTIVENESS

“Techno-Agro Work”



Introduction:

The International Centre of Excellence in Engineering and Management (ICEEM) is an engineering and technology institution which emphasis to focus on Agricultural work in nature of Organic farming in the college campus. Farming is the foundation of Indian economy and growth. According to the details, there is 33 acres of land owned by the Parent Institute Indian Institution of Rural Workers, out of which around 22 acres land is used for agricultural sector with utilizing for organic farming. This indicates Techno-Agro combination to motivate students to build their own businesses by using technology in all sectors including agriculture.

Even the college has begun to take care for cows and formed a business based on agricultural resources such as milk production and cow dung used in biogas generation. The biogas is used for the ladies' hostel kitchen and canteen. This farming includes trees such as mango, chinch, peru, neem, jambhul, sitaphal, badam, lemon, curry leaves, and tulsi, as well as crops such as maize, wheat, Soyabean, green vegetables etc.

Aims:

Empowerment through Integration: Revolutionizing Agriculture with Technology at College Level. Our aim is to equip students with cutting-edge technological and knowledge, fostering a new generation of agricultural innovators capable of addressing global food security challenges sustainably.

Objective:

- To provide training and startup on small scale agriculture based industry.
- To motivate students to use technological tools in farming.
- To inculcate Indian values of taking care of fruits, crops as part of day to day life.
- To provide the important of organic farming to get physical fitness.
- To instinet values of social responsibilities of an engineers and management trainee.

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Functionality:

The college has introduced sustainable farming practices and organic agriculture to further enhance students' knowledge in the farming. This holistic approach not only benefits the college financially but also provides valuable hands-on experience for students interested in pursuing a career in agriculture. The

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college's commitment to sustainable practices extends beyond just biogas generation, as they have also implemented rainwater harvesting and vermin composting techniques on campus. These initiatives not only reduce the college's environmental impact but also serve as educational tools for students to learn about eco-friendly practices in agriculture.

Incorporating these sustainable practices, students are able to gain a deeper understanding of the importance of environmental stewardship in agriculture. This hands-on approach not only prepares students for future careers in the field, but also instills a sense of responsibility towards sustainable practices in agriculture. Students are able to see firsthand how sustainable practices can be implemented in real-world settings, preparing them for future careers in the industry.

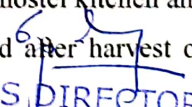
Integrating these initiatives, the college is equipping students with the knowledge and skills needed to address pressing environmental issues in agriculture. The college is preparing students to become future leaders in the agriculture industry who are knowledgeable about environmentally friendly methods.

This comprehensive approach sets a strong foundation for students to make a positive impact on the world around them through their work in agriculture. Ultimately, the college's commitment to sustainability not only benefits the environment but also ensures that graduates are well-prepared to contribute meaningfully to the field. With a focus on sustainable practices, students are equipped to tackle challenges and drive innovation in agriculture for years to come. This not only benefits the agriculture industry but also society as a whole, creating a more resilient and environmentally conscious future.

Instilling a deep understanding of sustainability in agriculture, students are prepared to address pressing global issues such as food security and climate change. This holistic education empowers graduates to make informed decisions that prioritize both the health of the planet and the well-being of society.

The Institution contains 33 acres of land, of which 22 acres are used for agricultural and cowsheds. In this agricultural field, there are trees such as mango, chinch, peru, neem, jambhul, sitaphal, badam, lemon, curry leaves, and tulsi. They also take crops such as maize, wheat, soybeans, green vegetables, and so on.

Cows have a significant part in milk production, and cow dunks are excellent for producing biogas. In the cow shed has 5 numbers of cow and 3 calf. These cows give approx. 40 liters of milk per day. The college features 2 cubic meter biogas plant. This biogas plant supplies biofuel to the girl's hostel kitchen and canteen. The finest raw material for biogas production is garbage from the kitchen and after harvest of agricultural residue.


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Outcomes:

This type of practices gives encouraging students to use technology tools in farming can improve efficiency, production, and sustainability in agriculture. This can encourage new generations to work and modernize conventional agricultural techniques.

Instilling Indian principles of nurturing and caring for fruits and crops can lead to a stronger connection to the land and a feeling of cultural identity. It emphasizes the significance of preserving environment and traditional farming methods.

Social responsibility among engineers and management trainees has the potential to produce socially conscious leaders who priorities community welfare and sustainable development. This can lead to programmers that solve environmental concerns, improve social fairness, and benefit society as a whole.

These activities also promote the use of non-conventional energy sources as a utility to the younger generation.

Every day of 40 liter milk production made by college also biogas manufacturing reduces the cost of cooking gas and farming gives the best environmental sustainability to college environment.



Wheat


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Green Vegetables



Spinach



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Onion



Bio-gas Plant


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Trees



Cow Shelter



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