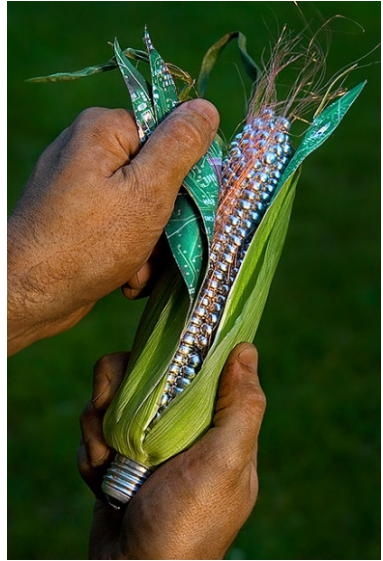


A banner with a green background and blue DNA double helix structures on the sides. The text "Biotechnology Intervention in Andhra Pradesh" is written in yellow in the center.

Biotechnology Intervention in Andhra Pradesh

Biotechnology industry originated from the use of genetic engineering techniques to develop treatments for human diseases in the 1980s and has since then developed into a rapidly growing industry that uses research innovations to develop new agricultural products, biomedical tools, and pharmaceuticals. Biotechnology makes a significant contribution to the modernisation of India's industry sectors. Its broad range of high-tech applications is increasingly playing a role in enhancing our competitiveness, raising economic growth and improving the welfare of Indian citizens. The main application areas of modern biotechnology can be classified into three groups: healthcare and pharmaceutical applications; industrial processes and manufacturing; and agriculture, livestock, veterinary products and aquaculture.



A. CAPACITY BUILDING

1. Bioinformatics:

- CII-APTDC will facilitate a platform for Industry & Institutes in the Bioinformatics/Computational Biology field for exchanging information, sharing ideas and knowledge, discussing opportunities.

2. Intellectual Property Rights in Biotechnology:

- To facilitate creation of a strong IP system in India and help in building capability in IP management among Industry & Institutes through Capacity Building workshops, seminars and Conferences.
- Special trainings for drafting skills.
- Awareness programmes for Plant Breeders Rights

B. BIOSAFETY WORKSHOPS

- Biosafety workshops on key policy issues
- To help out in the progress of national biosafety frameworks through capacity building initiatives.
- To promote information sharing and collaboration, especially at the regional and sub-regional level.
- To promote collaboration with other organizations to assist capacity- building for the Protocol.

C. BIOPIRACY AWARENESS

- Disseminate Biopiracy awareness to all involved with traditional knowledge systems and genetic resources.
- Develop & Facilitate Participative Approach through relevant stakeholders for Documentation of traditional knowledge & Bioresource.

D. SERVICES

1. Genetically Modified (GM) Crops:

- Supporting field trials of GM crops would benefit their market.

2. Biofuels Production:

- Encouraging biodiesel processing plants & cultivation of *Jatropha curcus*.

3. DNA Fingerprinting Promotion:

- Promote Use of DNA Fingerprinting for Techniques for Societal Benefits

