

Assignment - 1

- * problem - Food waste solution: Food waste Reduction APPS
A Significant amount of food is wasted due to over-production or Spoilage. Software Solution: APP like Too Good To Go Olio connect consumers with business that have surplus food. users reducing overall waste

* Executive Summary: Food waste.

Food waste is a significant global issue with profound economic, environmental and social impact. Every year approximately one-third of all food produced for human consumption is wasted, amounting to around 1.3 billion tons. This waste occurs across the entire food supply chain from production and processing to retail and consumer levels.

- Key Issue

- 1] Economic impact - food waste represents a loss of resources, including the labor, energy, and water used to produce, process and transport food. Globally, food waste costs an estimated \$1 trillion annually. This economic loss affects not only producers but also consumers, as wasted food drives up prices.
- 2] Environmental Impact - food waste contributes significantly to environmental degradation. When food is discarded it decomposes in landfills, producing methane, a potent greenhouse gas. Additionally, wasted food means wasted water, land and energy resources, further straining the environment.

3] Social impact :- While food waste is rampant millions of people globally suffer from hunger and food insecurity. Reducing food waste could help alleviate these issues by redirecting surplus food to those in need.

4] Solutions to food waste -

- Improved supply chain management. Enhancing the efficiency of the food supply chain, from better harvesting techniques to advanced storage solutions, can significantly reduce food loss.

- Technology and innovations - Innovations such as food sharing apps, smarter inventory management systems, and food recovery programs help reduce waste by redistributing surplus food and optimizing production.

Policy and regulations - Governments can play a crucial role by enacting policies that promote food donation, reduce food loss in retail and production and educate consumers on reducing waste.

Description: Food waste is a multifaceted issue with wide reaching implications for the economy environment and society. Addressing it requires coordinated efforts across the entire food supply chain from producers to consumers, supported by technological innovations policy ~~and~~ initiatives and public awareness campaigns. Reducing food waste is essential for creating a sustainable and equitable food system.

Scope: The scope of food waste is broad and multi-faceted covering all stages of the food supply chain and encompassing global regional and local perspectives. Addressing food waste requires a comprehensive approach that includes technological innovation, policy change consumer education, and international collaboration. Reducing food waste is critical for ensuring a sustainable food system - promoting food security and mitigating environmental impact.