Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal – 574115
Hackothsava 2023 – Synopsis
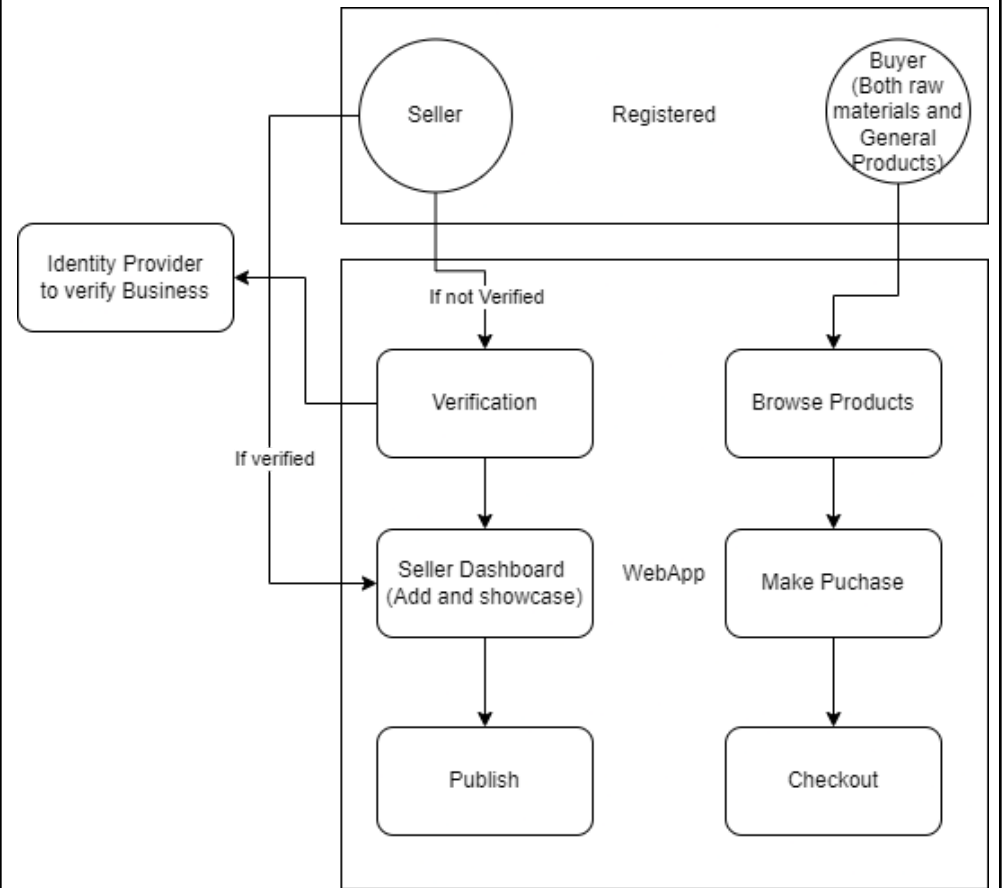
Team Name:	INFINITY				
College Name and Address:	Jyothy Institute Of Technology, Pipeline Rd, near Ravi Shankar Guruji Ashram, Tataguni, Karnataka 560082				
Theme of submission: (check mark the relevant box)	**Transformative Education**		**Sustainable Industrialization** ✅		

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Project Title:	**GreenMarket:** Building a Sustainable Future for E-Commerce

Abstract of the proposed project: (word limit 300)	The concept of waste generated by one company being used as raw material for another is known as industrial symbiosis. The proposed product is a platform that offers a unique opportunity for individuals and businesses to purchase raw materials to build their sustainable products and sell their sustainable products. This platform provides a user-friendly interface for customers to browse through a wide range of raw materials and place orders online. At the same time, the platform offers sellers the ability to showcase their eco-friendly products to a large audience, allowing them to reach new customers and expand their business. The product also provides features such as secure payments, easy order tracking, and support to ensure a smooth and hassle-free experience for both buyers and sellers. Instead

	of disposing of these waste products, they can be sold or donated to another company that uses them to create products such as animal feed, compost, or natural dyes. This not only diverts waste from landfills but also creates new revenue streams for both companies. The platform promotes responsible sourcing and supports environmentally conscious businesses.
Detailed Methodology with proper diagrammatic representation:	 We will be providing an interface for sellers to add their products to our e-commerce platform via their dashboard. These products will be listed in our online marketplace, where buyers can browse and purchase them. - Seller Dashboard: The platform will have a user-friendly dashboard for sellers to manage their products. Sellers can add new products, edit product descriptions, set prices, and manage orders. - Product Listings: Products listed on the platform will include a description, price, and image. Sellers will have the option to

include additional details such as product materials and sustainability certifications.

- Search and Filters: Buyers can search for specific products or browse through categories such as clothing, beauty, or home goods. The platform will also have filters to help buyers refine their search, such as by price range or sustainability criteria.

- Checkout and Payment: When buyers are ready to make a purchase, they can add items to their cart and proceed to checkout. The platform will support various payment methods such as cards, UPI or other secure payment gateways.

- Shipping and Delivery: Sellers will have the option to set their own shipping rates and delivery times. Buyers will be able to track their orders and receive notifications when their products are shipped.

- Ratings and Reviews: Buyers will have the option to leave ratings and reviews for products they have purchased. This feature will help promote transparency and accountability for sellers and provide valuable feedback for future buyers.

Software/ hardware required for the implementation:	**Front End -** - Reactjs - Tailwind css **Database -** - MongoDB **Backend -** - FastAPI - Auth0 for auth **Hosting -** - Vercel - render.com
Benefit to the society from the project	- Environmental Sustainability: The platform can promote sustainable consumption by offering products that are eco-friendly, ethically sourced, and have a minimal impact on the environment. By promoting sustainable consumption, the platform can help reduce the carbon footprint of e-commerce and encourage customers to adopt more sustainable lifestyles. - Economic Development: The platform can provide opportunities for small and medium-sized businesses to showcase their products to a wider audience, creating economic

| | opportunities for these businesses and contributing to the growth of the local economy.

- Social Responsibility: By prioritizing sustainable and ethical practices, the platform can promote social responsibility and help create a more equitable and fair society. The platform can support sellers who prioritize fair labor practices and provide customers with access to products that are made in a socially responsible manner.

- Education and Awareness: The platform can also serve as a platform for education and awareness-raising about sustainability and ethical consumption. Through the platform's messaging and marketing, customers can learn about the impact of their consumption habits and become more informed about the environmental and social implications of their purchases. |
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Signature of Team Leader

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