

PROBLEM STATEMENTS

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AI based health or disease checker

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Develop a Solution linking the local vendors engaged in house based small commercial business to local community

01

Development of Smart Toilet

Even in the most modern times, we are facing the problem, especially ladies, which is not having a hygienic toilet while traveling or going out. Here the problem statements aim to the development of an automatic self-cleaning, toilet system. Instead of water washing and all, the focus here is on ultraviolet

disinfection, hot air drying, and smart saving of water. The final result is a toilet like that of a home. Also, there should be a provision to know the availability of the nearest toilets in working condition. In addition to the above,

the smart toilet could also include the following features: A built-in air freshener: This would help to keep the toilet smelling fresh and clean. A motion

sensor: This would automatically flush the toilet and open the lid when someone approaches. A built-in bidet: This would provide a more hygienic way

to clean oneself after using the toilet

02

Developing a system for Patient Care in the Health Sector

As the demand for healthcare services continues to increase, healthcare professionals are facing challenges in meeting the needs of patients while maintaining quality care. One of the major challenges is providing 24/7 care for patients who require continuous monitoring and assistance. The challenge for this hackathon would be to develop innovative and effective solutions for designing and building robots for patient care in the health sector. Participants would need to consider various factors such as safety, reliability, ease of use, and affordability, while also ensuring that the robots are designed to meet the unique needs of patients in different healthcare settings

03

AI based health or disease checker

The diagnosis of diseases is decisive for planning proper treatment and ensuring the well-being of patients. Human error hinders accurate diagnostics, as interpreting medical information is a complex and cognitively challenging task. The application of artificial intelligence (AI) can improve the level of diagnostic accuracy and efficiency. While the current literature has examined various approaches to diagnosing various diseases, an overview of fields in which AI has been applied, including their performance aiming to identify emergent digitalized healthcare services, has not yet been adequately realized in extant research. By conducting a critical review, we portray the AI landscape in diagnostics and provide a snapshot to guide future research. Practitioners understand the extent to which AI improves diagnostics and how healthcare benefits from it. However, several issues need to be addressed before successful application of AI in disease diagnostics can be achieved.

04

Develop a Solution linking the local vendors engaged in house based small commercial business to local community

In the era of digitalization, local vendors engaged in house-based small commercial businesses often face the challenge of reaching their potential customers efficiently. These vendors, who excel in crafting unique products or providing specialized services, struggle to connect with the local community due to limited visibility and marketing resources.

The absence of a centralized platform hinders customers from discovering and supporting these talented local vendors, leading to missed opportunities for both parties. Customers, on the other hand, miss out on accessing a diverse range of quality products and services available within their neighborhood.

To address this issue, there is a need for an innovative and user-friendly Solution that serves as a bridge between these local vendors and the community. The Solution should enable vendors to showcase their offerings, highlight their skills, and create a virtual storefront. Simultaneously, it should empower users to explore and connect with these vendors seamlessly.