IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
Impact Factor: 7.301
Volume 3, Issue 6, May 2023

Food Waste Management System

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Abstract: *An intelligent logistics system is an important branch of intelligent transportation systems. It is a great challenge to develop efficient technologies and methodologies to improve its performance in meeting customer requirements and this is highly related to people's life quality. Its high efficiency can reduce food waste, improve food quality and safety, and enhance the competitiveness of food companies. This paper investigates new integrated planning for intelligent food logistics systems. An important goal in our world today is to eliminate food waste by re-utilizing available food sources within local communities: leftover food items in restaurants, stores, and food distribution centers that may be approaching expiration; and any perishable items not used in entirety within their desired period. This is highly significant, particularly during crises such as the COVID-19 pandemic. This paper focuses on creating an interesting mobile application (app) that provides a ubiquitous platform wherein*
users can visualize available food resources in their local area and consequently gain access to food, thereby tackling two major issues,i.e. hunger and food waste.

Keywords: food waste, hunger rate, sustainable development goals, social entrepreneurship.

REFERENCES

[1] Shibusawa S. "Precision farming approaches to small farm agriculture".AgroChemicals Report. 2002;2(4):13- 20.
[2] Rice pre-planting information: http://www.knowledgebank.irri.org/stepby-step production/pre-planting
[3] Kumar, L. S. S.; A. C. Aggarwala," Agriculture in India." Fertilizer measurement: http://14.139.158.118/bioinfodb/STBNR1/
[4] Government sponsor scheme:https://www.nabard.org/english/amigs.aspx
[5] "King, R. P.; Harsh, S. B.; Dobbins, C. L."Farm information systems:farmers' needs and system design strategies, Tijdschrift voor Sociaal Wetenschappelijk Onderzoek van de Landbouw 1990 Vol. 5 No. 1 pp. 34-59.

[6] M. Shahidul Islam, M. T. Islam, A. F. Almutairi, G. K. Beng, N. Misran,and N. Amin, "Monitoring of the human body signals through the Internet of Things (IoT) based LoRa wireless network system," Appl. Sci., vol. 9,no. 9, p. 1884, May 2019.
[7] M. A. Abu, N. H. Indra, A. H. A. Rahman, N. A. Sapiee, and I. Ahmad,"A study on image classification based on deep learning and TensorFlow,"Int. J. Eng. Res. Technol., vol. 12, pp. 563–569, Oct. 2019.
[8] N. Misran, M. S. Islam, G. K. Beng, N. Amin, and M. T. Islam, "IoTbased health monitoring system with LoRa communication technology,"in Proc. Int. Conf. Electr. Eng. Information. (ICEEI), Bandung, IN, USA,2019, pp. 514–517.
[9] A. Meijer and M.P.R.Bolıvar, "Governing The Smartcity:A Review Of The literature on smart urban governance," Int. Rev. Adm. Sci., vol. 82, no. 2, pp. 392–408, 2016.
[10] A. Zanella, N. Bui, A. Castellani, L. Vangelista, and M. Zorzi, "Internet of Things for smart cities,' 'IEEE Internet Things J.,vol.1,no.1, pp. 22–32, Feb. 2014.