

Energy Efficient Android App As A platform For Making the Products from Unused Material

Radha Nakhate¹, Shweta Tareker¹, Priya Chintalwar¹, Gayatri Sarode¹, Kshma¹, Amit Kumar²

¹*UG Students Priyadarshini College of Engineering, Nagpur.*
²*Assistant Professor Priyadarshini College of Engineering, Nagpur.*

Abstract—*Information and Communication Technology (ICT) in daily life is an emerging field focusing on the enhancement of recycled product and rural development in India. It involves innovative applications using ICT in the rural domain. The advancement of ICT can be utilized for providing accurate and timely relevant information and services to the artist, thereby facilitating an environment for remunerative business. This paper describes a mobile based application for recycled product business which would help them in their business activities. We propose an android based mobile application Recycled craft which would take care of the updates of the different reusable product, product forecast updates, product news updates. The application has been designed taking Indian recycled craft business in consideration.*

Keywords— **java, android, xml.**

INTRODUCTION

In the current scenario due to the advance performance in manufacturing and sales traditional business network has been replace by mobile apps. In mobile digital business network each platform is constantly moving. So the most challenges arises in digital network is recycled product of mobile node in real time environment, Find out distance between two seller and buyer of motion in each no clients. Most research is focused on the efficient location of the moving agents .but current paper covers all these two aspects also so that each seller and buyer easily located in physical space. Recycled craft is an awesome tool that creates and sends personalized video

landing pages that helps you close on sales up to 90% more effectively. This product was built with one core principle: simplicity. Every solution in the market is expensive and requires you to spend hours installing the software, customizing the landing pages and integrating it with your favorite auto responders.

You don't need all those fancy, useless features. We made sure Recycled craft only contains important functionality that genuinely improves your conversion rates. Value of RECYLED CRAFT and converts them in terms of business and money to estimate position of business node and increase the adaptive configuration business on position of profitable. It is also notable other equipment which ultrasonic sound and the laser based sensor are used but its cost and energy are these two factor creates limitations.

There's no need to learn HTML, CSS or any of that mumbo jumbo! All you need to do is fill in a few fields to tailor the landing page for your business and our software will do the rest for you.

Recycled craft is a simple point and click solution. There's absolutely no coding involved. We also have tutorials and support offered if you need help in any step of the way.

Tracking visitors and conversion is absolutely crucial for your business. You need to know which landing pages are working and get rid of the ones that don't.

Recycled craft makes it very easy to do exactly that. Using our tracking system, you can see how many people visited your landing page and how many of them subscribed to your email list. We calculate the important things like the

conversion rate for you — that way you can focus on the important metrics.

Every landing page looks fantastic on a desktop, tablet or mobile device. No matter what device your visitors use, they will have an excellent user experience tailored to their device.

There's no need to do any extra work or customization on your part. Recycled craft automatically formats each landing page to ensure it looks good on every device without any effort on your end.

Recycled Craft Can Help You:

Salespeople sick of cold calls – Old-fashioned sales strategies just don't work. Ditch the cold-calls, and start using Recycled craft to gather prospects! No matter the size of your business, you can benefit from powerful, personalized sales services from Ninja Gram! Recycled craft is an extremely powerful sales tool. From automotive, to real estate, insurance, and many more, Recycled craft can be used to attract more prospects, convert more leads, and make more sales.

The paper based on the following previous research.

1. Mobile Applications & Waste Management: Recycling, Personal Behavior, Logistics March 2013 Research gate. What Can Be Recycled? Lane Cove Council, 48 Longueville Road Lane Cove IEEE-april 2016.
2. Recycle android app an overview of all waste collections on your street (from 01.01.2014), all collection points near you—including container parks and re-use centers—and a sorting guide that helps you sort your waste correctly.
3. DIY Recycled Crafts android app View lots of diy recycled crafts ideas
 - * Share app with friends (email, facebook, twitter, MMS)
 - * Direct rate the app to let users to know how amazing app is.
 - * Receive notifications when new wallpapers are uploaded
 - * Tablet support
 - * Upload your photos and we will publish them.
4. Eleanor Meyer and Stephen Halpin love to recycle, and they want you to get involved. Realising that there was a lack of knowledge in the Australian community about what could and couldn't be recycled, this clever duo got together to develop the Sustain Me smartphone app. <https://www.1millionwomen.com.au/blog/new-app-will-help-you-be-better-recycler/Proposed System>

The current work used latest android concept to get mobile and creates Energy efficient architecture for Recycled craft app. At initial stage when data enter into app, the app send push notification and wait for response .As response arrived from user, then app measure shows data based on priority data and convert them into readable Format. From available data ,The proposed system can proceed through following steps:

•Auto Login

Auto login enables you to easily configure android' built-in auto login mechanism. Instead of waiting for a user to enter their name and password, android uses the credentials you enter with Auto login, from social platform which are encrypted in the Registry, to log on the specified user automatically.

•Digital Marketing

Digital marketing is the marketing of products or services using digital technologies, mainly on the Internet, but also including mobile phones, display advertising, and any other digital medium.

•Push Notification

A push notification is a message that pops up on a mobile device. App publishers can send them at any time; users don't have to be in the app or using their devices to receive them. They can do a lot of things; for example, they can show the latest sports scores, get a user to take an action, such as downloading a coupon, or let a user know about an event, such as a flash sale.

•Payment Gateway

A payment gateway is a merchant service provided by an e-commerce application service provider that authorizes credit card or direct payments processing for e-businesses, online retailers, bricks and clicks, or traditional brick and mortar.

•Geographical Encoding

Geocoding is the process of converting addresses (like a street address) into geographic coordinates (like latitude and longitude), which you can use to place markers on a map, or position the map. Reverse geocoding is the process of converting geographic coordinates into a human-readable

address .distance which predict, which node is nearer or helps in providing path to mobile nodes for future navigations.

METHODOLOGY

Application is divided into two parts:

1. User application
2. Manufacturer application

➤ **User application**

- User application is specifically for user .
- User can take photo of waste raw material.
- And add text in Para to create which type of product he wants.
- And send enquiry to the manufacturer.

➤ **Manufacture application.**

- This application specifically for manufacturer
- Application shows how many order and enquiry is generated
- Application take guarantee for payment using payment gateway .
- Each instance manufacturer get enquiry using push notifications

Calculate Location of mobile nodes

The Distance build by RECYLED CRAFT implemented to calculate location of mobile node with the help triangulations which is one of general method to locate wireless sensor node, three node and mobile node take part in triangulations. The total number of nodes selected for triangulations represent as cluster node, and it is denoted by C_i . Isn't exchange information the node not selected called as the unwanted node and become inactive.

Only fewer neighboring has information, from that only 3 node selected which has less distance From the sender remaining node in network is deactivated.

Trialaterations

As soon possible nearest node selected that have information in the form Distance to from its neighbour, take part in number of Trialaterations. The number of Trialateration depends upon number of active node. In each iteration, location of node estimates. At end Finest location calculated based on the location which is appeared in maximum time.

Table.1 Sample of a Data of RECYLED CRAFT And Distance

Sr. No.	Real -Time App Data Fetch		
	Server data note	Calculated Distance	Original Distance
1	62	8	9
2	72	11	13
3	63	16	10
4	86	24	22
5	79	18	14
6	83	20	18
7	88	27	14

PERFORMANCE

A. Low Energy Consumptions Apps

The Energy of app sensor Network depends on the number of active node as the number of active node is increased energy in the network goes on decreased. In the proposed algorithm, number of the active nodes is always less as compare to remaining deactivated nodes. Hence Energy consumed by the networks is less as compared to generalized networks.

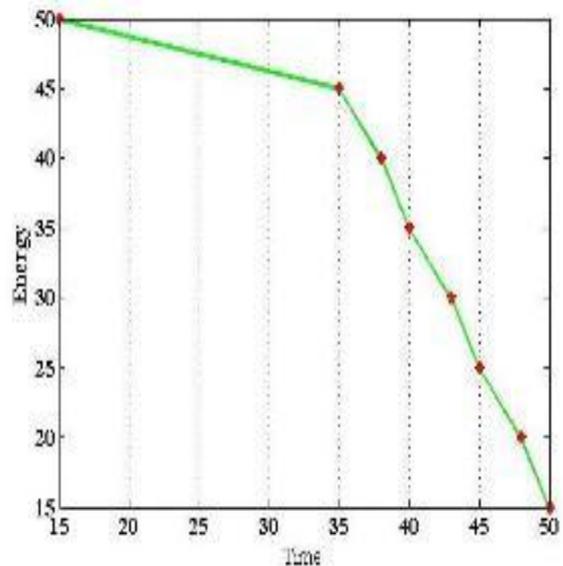


Figure 1 : Energy Consumption Without Algorithm

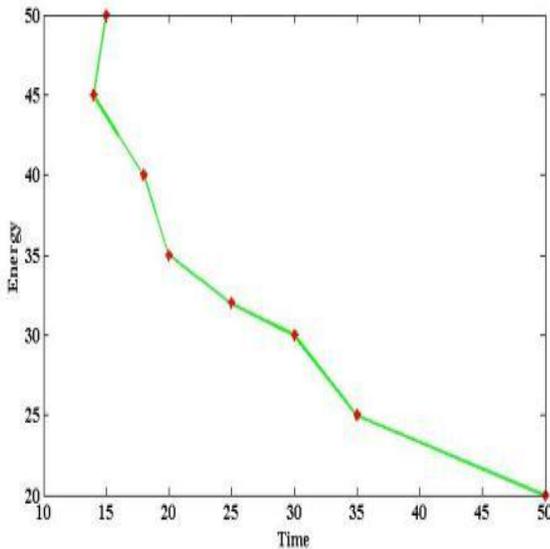


Figure 2 : Energy Consumption With Algorithm

B. Performance And Network Failures

As in the entire network number activated node are less in number hence the network traffic or a packet loss automatically decrease. Routing and path optimizations for data sending does not need to perform extra efforts. Overall algorithm automatically increased performance of the network, the chance of failure of the network decreased.

FUTURE SCOPE

- The navigation drawer is a UI panel that shows your app's main navigation menu. It is hidden when not in use, but appears when the user swipes a finger from the left edge of the screen or, when at the top level of the app, the user touches the drawer icon in the app bar.
- In future we will be build with the second application separately as our Recycled Craft consist of two functionality applications.
- According to the speciality of application we will be giving the specified features like payment gateway, notifications, geoencoding etc.
- Project Recycled Craft will extends to next level in which each landing page of product has its own product sales page with live chat.

CONCLUSION

Hence we have successfully created the android application “ Recycled Craft” as a platform for making the products

from wastage and unused material. The application has been designed taking Indian recycled craft business in consideration. Recycled craft will help to give 1:1 economic considerations for the people so that it will convert more leads into attractive products.

ACKNOWLEDGEMENT

We take this opportunity to express my gratitude to Prof. Amit Kumar while writing the whole article on “Recycled Craft”. We are very grateful to Dr. Prof. Nita Thakre, HOD Computer Technology Department for giving us an expert guidance and encouragement. We also take this opportunity to express our sincere gratitude to all the staff of computer technology department for their support and cooperation, without which the task would have been much more daunting. We would also like to express our thanks and respect to our parents whose encouragement was main source of our energy behind this work.

REFERENCE

- 1) *Mobile Applications & Waste Management: Recycling, Personal Behaviour, Logistics March 2013 Research gate.*
- 2) *What Can Be Recycled? Lane Cove Council, 48 Longueville Road Lane CoveIEEE-april 2016.*
- 3) *Recycle android app an overview of all waste collections on your street (from 01.01.2014), all collection points near you—including container parks and re-use centers—and a sorting guide that helps you sort your waste correctly.*
- 4) *Mobile Platform - Android 8.1*

AUTHORS DETAILS

Sr.No.	Photo	Details
1		Amit Kumar Assistant Professor Computer tech. Priyadarshini College of Engineering, Nagpur.
2		Radha Nakhate UG Student Computer tech. Priyadarshini College of Engineering, Nagpur

3		<p>Shweta Tareker UG Student Computer tech. Priyadarshini College of Engineering, Nagpur.</p>
4		<p>Kshma UG Student Computer tech Priyadarshini College of Engineering, Nagpur</p>
5		<p>Gayatri Sarode UG Student Computer tech Priyadarshini College of Engineering, Nagpur</p>
6		<p>Priya Chintalwar UG Student Computer tech Priyadarshini College of Engineering, Nagpur</p>