RECRUIT CONNECT: MOBILE RECRUITMENT PLATFORM

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ABSTRACT

Recruiters often struggle to find the right people for jobs in mobile crowdsourcing (MCS), where tasks are done by many people using their phones. To help with this, there's an Android app called Recruit Connect. It's like a meeting place for recruiters and job seekers. The app uses user define algorithm to look at job posts and job seekers' skills. If job seeker able to do task, then he can get reward. This makes sure that the right people get the right jobs. Recruiters can post tasks, and workers can do them to earn rewards. The app makes finding work easier and gives workers more options. The best workers can even get full-time jobs through the app by connecting the recruiters. Recruit Connect is made with Flutter and Dart, so it's easy to use and works well. It helps both job seekers and recruiters, making the hiring process smoother and giving workers more chances to find good jobs.

Keywords: MCS platform, tasks, rewards, hiring process, jobs.

I.   INTRODUCTION

In recent years, mobile crowdsourcing became a big thing for getting lots of people to do tasks together. But it's been tough to find the right people and keep them interested. The usual ways of finding people haven't worked well now. Right now, we mostly use fixed rewards and different ways of finding workers that don't work great together. This system is about making a thing called Recruit Connect that will help with this. It'll use users to find and keep mobile crowdsourcing workers interested in doing tasks. We want to make it easier to pick the right workers, use resources well, and make mobile crowdsourcing work better overall.

II.   LITERATURE SURVEY

In recent research, two main ideas were explored to improve worker recruitment and task completion in mobile crowdsourcing (MCS).

1. Wang et al. proposed a method called Social Recruiter: Dynamic Incentive Mechanism for Mobile Crowdsourcing (MCS) Worker Recruitment with Social Networks, which uses social networks to recruit workers and expand the pool of available workers for MCS tasks. They created a new model to track how tasks spread through social networks and suggested a reward system that updates based on real-time worker participation. Their experiments showed that Social Recruiter worked better than other methods in getting workers and finishing tasks.

2. Another study by Yang et al. Crowdsourcing to Smartphones: Incentive Mechanism Design for Mobile Phone Sensing, focused on motivating smartphone users to participate in mobile phone sensing. They designed incentive systems from two perspectives: one where the platform gives rewards to users who participate, and another where users set prices for their sensing services. This research is valuable because it explores new ways to encourage people to join in mobile sensing, which can collect and analyse a lot of data from smartphones.

III.   OBJECTIVE

Our system aims to develop and implement a new method to improve how we recruit and motivate workers in mobile crowdsourcing. Specifically, we want to achieve the following:

Create a dynamic Incentive Mechanism for Recruit Connect to enhance the process of hiring people for tasks using mobile apps.

Identify, attract, and hire qualified candidates who have the skills, experience, and qualities needed to contribute to the success of an organization.

Simplify the process of finding the right people for jobs using mobile apps by using rewards.
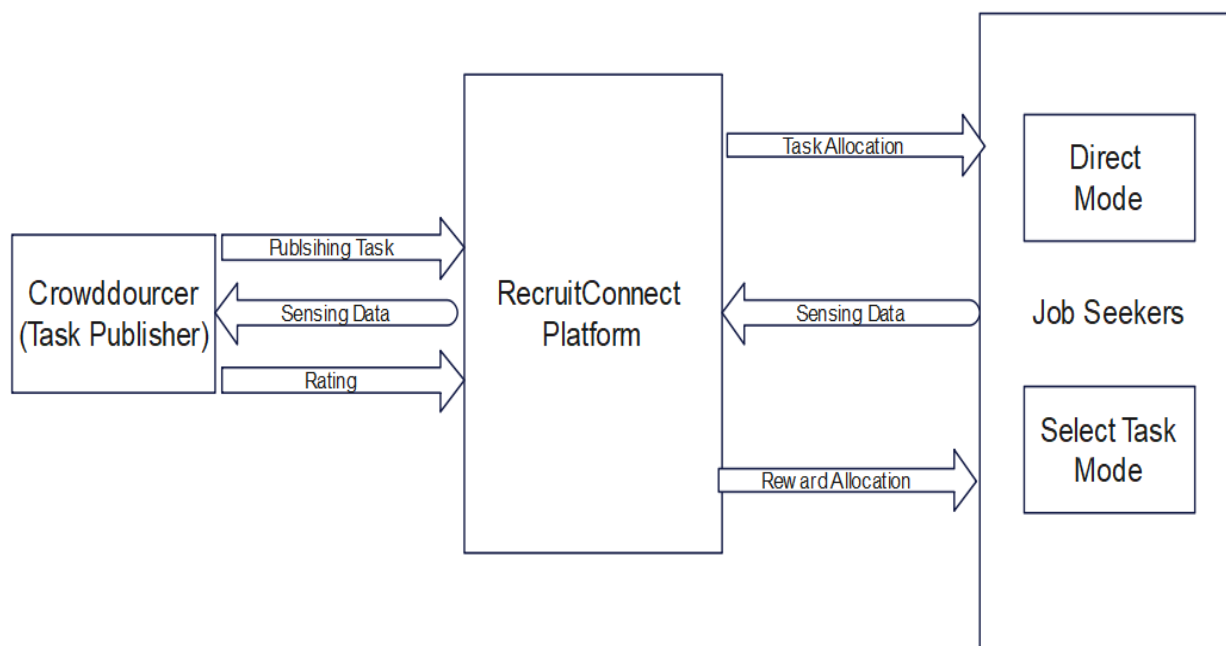
IV. METHODOLOGY

Fig 1: Architecture Diagram

Architecture:

User Registration and Profile Management: Users can register on the platform, creating profiles that include relevant information such as skills, qualifications, and preferences.

Task Posting by Recruiters: Recruiters can post tasks, specifying requirements, rewards, and other relevant details to attract suitable job seekers.

Task Search and Application by Job Seekers: Job seekers can search for available tasks based on their skills and preferences, submitting applications for tasks they are interested in.

Task Completion and Rewards: Job seekers can complete tasks assigned by recruiters and earn rewards based on their performance and the quality of their work.

Recognition and Leaderboards: A recognition system tracks the performance of job seekers, and top performers are highlighted on leaderboards. This adds a competitive and motivational aspect to task completion.

Application Review and Candidate Selection: Recruiters can review applications submitted by job seekers, assess their profiles, and select the most suitable candidates for their tasks.

User Ratings: Recruiters give rewards in the form of ratings to the job seeker after evaluating tasks.

V. RESULTS AND DISCUSSION

The output of RecruitConnect is a streamlined recruitment process in mobile crowdsourcing, where job post requirements are carefully matched with job seeker's skills . This results in suitable candidates being enrolled for positions. The platform also allows workers to complete tasks and earn rewards, with the potential for high performers to secure full-time employment with recruiters.

Output:
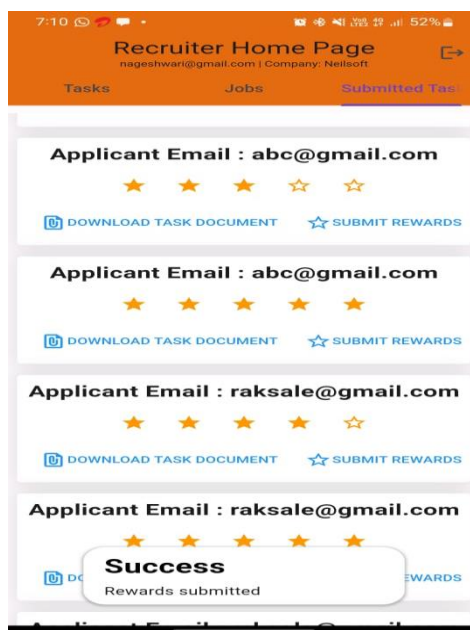
Fig 2:

VI.   CONCLUSION

Recruit Connect is an innovative Android application that offers a win-win solution for both recruiters and job seekers in the mobile crowdsourcing domain. It simplifies and enhances the recruitment process while providing flexible work opportunities. Overall, Recruit Connect aims to improve the recruitment experience and create valuable opportunities for workers in the mobile crowdsourcing space.

ACKNOWLEDGEMENTS

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