Abstract

Pathology is related to analyzing symptoms through analysis of blood and urine for early detection, diagnosis and prevention of diseases. Patient submits blood and urine samples in pathology for diagnosis of diseases and report for the same is provided. But it is not possible to provide pathology facility everywhere. Patients need to travel to pathology laboratory on their own for giving their blood and urine samples. It is infeasible some times for patients to go empty stomach and give urine and blood samples to pathology laboratory and then waits for reports. To solve this problem, hardware is developed to give readings of particular tests after analyzing blood under different parameters. We have developed an android app which interfaces with the hardware and provides results, analyze them and store in their phone and on the server, the results are available whenever required in the form of report. It helps patients to understand the severity of disease and take further action.

References
A Novel Approach for Pathology Test using Android App

4. http://www.healthline.com/health/thyroid-function-tests#Overview1
7. Complete Blood Count:
   http://www.mayoclinic.org/tests-procedures/complete-blood-count/basics/definition/prc-2001408
11. ‘Textbook of Medical Laboratory Technology’, 2e by Praful B. Godkar and Darshan P. Godkar
18. https://labtestsonline.org/understanding/analytes/lld

Index Terms

   Computer Science     Information Sciences

Keywords

Pathology, android app, interfacing