



iJRASET

International Journal For Research in
Applied Science and Engineering Technology



INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Volume: 10 Issue: III Month of publication: March 2022

DOI: <https://doi.org/10.22214/ijraset.2022.41125>

www.ijraset.com

Call:  08813907089

E-mail ID: ijraset@gmail.com

2347

II. PROPOSED SYSTEM

Today also we have to go to the COVID19 Test Lab center, wait in the queue to get our COVID19 test done. As Technology is growing rapidly, we are also moving to a technical world where everything we want to be online. So, with the help of this project, we are bringing the use of technology in the field of medical diagnosis where patients can avail all the diagnosis facilities at their door steps. This project makes the diagnosis process easy and reduces the burden of patients. At a same time, its help the diagnostic center to track all their patients details with their test reports. This access friendly software provides quick and effective services which helps the diagnostic center to increase their sales and profit.

III. SYSTEM DESIGN

Design is the first step in the development phase for any techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization. Once the software requirements have been analyzed and specified the software design involves three technical activities - design, coding, implementation and testing that are required to build and verify the software. The design activities are of main importance in this phase, because in this activity, decisions ultimately affecting the success of the software implementation and its ease of maintenance are made. These decisions have the final bearing upon reliability and maintainability of the system. Design is the only way to accurately translate the customer's requirements into finished software or a system.

IV. RELATED WORK

Hospitals, diagnostic labs, mobile testing centers, clinics and healthcare providers around the world are losing hours of productivity that are taking away from patient care due to manually. In response to the COVID-19 pandemic and the need to immediately notify patients of their test. Cloud Based COVID-19 Test Management system that eliminates manual processes with full regulatory compliance and automated test result notifications.

As the spread of COVID-19 continues to reshape our daily lives, COVID-19 laboratory processes with a faster response to COVID-19 Test requirements. COVID-19 management system provides a streamlined approach to patient data, sample management, reporting, and an automated test results notification system.

V. CONCLUSION

Cloud Based COVID19 Testing Management System is very much graceful and lively. Patients have to register to the portal by giving their details and then they can take appointment through online with minimal effort. The Phlebotomist comes to patient address to collect the sample. Once test is done and test report is generated patient can download the report by logged in to the portal. This system can be implemented in diagnostic labs and clinics.

Automation of the entire system improves the productivity.

- 1) It provides a friendly graphical user interface which proves to be better when compared to the existing system.
- 2) It gives appropriate access to the authorized users depending on their permissions.
- 3) It effectively overcomes the delay in communications.
- 4) Updating of information becomes so easier.
- 5) System security, data security and reliability are the striking features.
- 6) The System has adequate scope for modification in future if it is necessary.

REFERENCES

- [1] Sipior, J.C., 2020. Considerations for development and use of AI in response to COVID-19. International Journal of Information Management, 55, p.102170.
- [2] Vaira, L.A., Salzano, G., Fois, A.G., Piombino, P. and De Riu, G., 2020, June. Potential pathogenesis of ageusia and anosmia in COVID-19 patients. In International forum of allergy & rhinology (Vol. 10, No. 9, pp. 1103-1104).
- [3] Vaira, Luigi Angelo, et al. "Potential pathogenesis of ageusia and anosmia in COVID-19 patients." International forum of allergy & rhinology. Vol. 10. No. 9. 2020.
- [4] Syntax, J.S.O.N., 2012. // w3schools. com. URL: https://www.w3schools.com/js/js_json_syntax.asp.
- [5] Sivasubramanian, D.M., 2002. Sitepoint. com. Building a Content Rich Web Site.
- [6] Welling, L. and Thomson, L., 2003. PHP and MySQL Web development. Sams Publishing.
- [7] Converse, T., Park, J. and Morgan, C., 2004. PHP5 and MySQL bible (Vol. 147). John Wiley & Sons.
- [8] Kumari, S., Rani, K.S. and Yadav, M., 2017. Database Connection Technology. International Journal of Advanced Research in Computer Science, 8(5).
- [9] White, A.E., 2020. Purpose as a Powerful Resource in the Time of COVID-19. Journal of Humanistic Psychology, 60(5), pp.682-689.



10.22214/IJRASET



45.98



IMPACT FACTOR:
7.129



IMPACT FACTOR:
7.429



INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Call : 08813907089  (24*7 Support on Whatsapp)