**EXISTING SYSTEM:**

**R. C. Gojko Adzic, “Serverless computing: Economic and architectural impact,” *ESEC/FSE,* 2017:** In this paper, the author has carried out analysis based on the opportunities presented by serverless computing. They emphasise that serverless services are more affordable approach for many network services and it is more user friendly as serverless approach will relieve the customers from the intricacies of deployment. These services will help to improve the new business opportunities.

**P. C. P. C. a. V. I. M. Yan, “Building a chatbot with serverless computing,” *IBM watson research center,*2016:** Author conducted a survey of existing serverless platform in this paper from source projects, industry, academia, use cases, and key characteristics and has described the challenges and the open problems associated with it. Authors work presented a handson experience of serverless technologies using different services from different cloud provides such as Amazon, Google, IBM, Microsoft Azure.

**S. E. a. B. J. J. Short, ““Cloud Event Programming Paradigms: Applications and Analysis,”,” *9th IEEE International Conference on Cloud Computing (CLOUD),* pp. pp. 400-406, 2017:** In this paper three demonstrators for IBM Bluemix OpenWhisk was presented. They exhibit even-based programming triggered by weather forecast data, speech utterances and Apple WatchOS2 application data. And also demonstrated a chatbot using IBM Bluemix OpenWhisk that calls on the IBM Watson services which include dates, weather, alarm services, news and music tutor.

**Z. Al-Ali, ““Making Serverless Computing More Serverless,”,” *IEEE 11th International Conference on Cloud Computing (CLOUD),* pp. pp. 456-459, 2018., 2018:** In this paper serverlessOS was designed. It comprises of components such as 1. desegregation model that leverages desegregation for abstraction but it will enable resources to move fluidly between servers for the performance. 2. The second key component is cloud orchestration layer which helps to manage fine-grained resource placement and allocation throughout the application lifetime with the help of global and local decision making 3. And the third component is an isolation capability which enforces data and resource isolation.

**A. S. a. S. Jindal, ““EMARS: Efficient Management and Allocation of Resources in Serverless,”,” *IEEE11th International Conference on Cloud Computing (CLOUD),* pp. pp. 827-830, 2018:** In this paper an efficient resource management system for serverless computing framework was proposed which aims to enhance resource with a focus on memory allocation among the containers and the design which was added on top of an open-source serverless platform, openLambda and it is based on allocation workloads and serverless functions memory needs events are triggered.

**Hamlin, M. R. A., & Mayan, J. A. (2016, 16-17 Dec. 2016). *Blood donation and life saver-blood donation app.* Paper presented at the 2016 International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT):** On journal, it was described that the proposed blood bank system was connecting between blood bank and personal donor by sending a message to regular/permanent donor who has been registered before.

**Sayali Dhond, Pradnya Randhavan, Bhagyashali Munde, Rajnandini Patil, and Vikas Patil, “Android Based Health Application in Cloud Computing For Blood Bank”, International Engineering Research Journal (IERJ) Volume 1 Issue 9 pp. 868-870, 2015:** On this journal users can search donor by the nearest location from them by using GPS (Global Positioning System). After the information sent, the closest donor will get an alert for blood donor needs. Blood bank android-based application on cloud computing has been done by the previous study.

**P. Priya, V. Saranya, S. Shabana and Kavitha Subramani, “The optimization of Blood Donor Information and Management System by Technopedia,” International Journal of Innovative Research in Science, Engineering and Technology, Volume 3, Special Issue 1, 2014:** Blood donor information and optimization management system also has been done by Priya et al.

**Sultan Turhan, “An Android Application for Volunteer Blood Donors”, Computer Science & Information Technology- CSCP, pp. 23–30, 2015:** The smartphone application is being developed to allow searching for voluntary donor nearby, followed by communication between donor especially on the emergency situations.

**Catassi, C. A., Petersen, E. L. “The Blood Inventory Control SystemHelping Blood Bank Management Through Computerized Inventory Control”, Transfusion, Vol. 7, No. 60, 196:** In this article, Catassi and Petersen described computerized blood bank inventory. The purpose is to control the distribution of blood bank and hospital. It is possible to monitor daily blood status.

**Mittal, N., & Snotra, K. (2017, 26-27 Oct. 2017). *Blood bank information system using Android application.* Paper presented at the 2017 Recent Developments in Control, Automation &Power Engineering (RDCAPE):** Mittal and Snotra on their research explain the availability of blood supply during emergency situations is highly important for patients in need. Blood donor centre exist to fulfil this need. But whether personal donor and medical facility, there is no available media to connect them directly. That is why personal donor and the medical facility should be connected.

**Ali, R. S., Hafez, T. F., Ali, A. B., & Abd-Alsabour, N. (2017, 22-24 March 2017). *Blood bag: A web application to manage all blood donation and transfusion processes.* Paper presented atthe 2017 International Conference on Wireless Communications, Signal Processing andNetworking (WiSPNET):** In the other case Ali et al propose a blood bag system. It is a web-based system which connect with the central database to control all data from the blood bank and blood donation campaign. Basically, this system identifies donors, tests and stores blood bags, and deliver them to patients. Blood bag system supports donor and blood bank to help patients in needs of blood donation by centralized control system which can arrange all transfusion process. Every process recorded in the database. With huge data and information, Blood Bank Information System will be very useful that can be managed as decision making system.