

Blood system is an end-to-end solution for not

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Blood is a non-replenishable entity, the only source of which are humans and it cannot be generated manually. Timely availability of quality blood is a crucial requirement for sustaining the healthcare emergency services.

Therefore, maintaining quality of blood and identification of Professional Donors is a major responsibility of blood banks.

NACO (National AIDS Control Organization) and NABH (National Accreditation Board for hospitals and Healthcare Providers) have provided guidelines for ensuring the quality of blood and identifying Professional Donors. Moreover, manually monitoring standards and identifying professional donors is a challenging job. In this work, we develop a standard compliant Blood Bank Management System with a novel rule based enforcing mechanism. The developed system is an end-to-end solution for not only managing but implementing enforcing strategies and providing decision support to the users. The proposed Blood Bank Management System It has been reduces the errors in blood bank and extremely effective in streamlining the workflow of blood banks. MUMBAI: In the last five years, over 28 lakh units of blood and its components were discarded by banks across India, exposing serious loopholes in the nation's blood banking system. If calculated in litres, the cumulative wastage of 6 per cent translates to over 6 lakh litres a volume enough to fill up 53 water tankers.

India faces, on average, a shortfall of 3 million units of blood annually. Lack of blood, plasma or platelets often leads to maternal mortality as well as deaths in cases of accidents involving severe blood loss. In 2016-17 alone, over 6.57 lakh units of blood and its products were discarded. due to lack of coordination between blood banks and hospitals.

In the same way “ In 2016-17, there is a near 17 per cent fall in wastage.

Also, hospitals have to keep blood in emergency reserve to deal with mass casualties,” the officer said.