

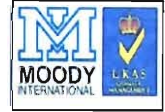


Ballari Institute of Technology & Management

An ISO 9001:2000 Certified Institution

(Recognized by Govt of Karnataka & AICTE, New Delhi, &
Visveswaraya Technological University, Belgaum)

Bellary-583104 (Karnataka State).



DEPARTMENT OF BIOTECHNOLOGY

A Project Report On

“HAEMOCHECK”

Under the guidance of

Mr. MANJUNATH T. NAGAVI

PROJECT ASSOCIATES

ASHUTOSH C. DAS

MOID AHMAD

SATISH CHANDRA

SHUKLA DEVARSHI



Visveswaraya Technological University

Belgaum, Karnataka

2008-2009

ABSTRACT

The detection of blood group is done on the basis of bio-chemical reaction between blood and antisera. The reaction occurred is observed manually and blood group was detected. Our project is to design an instrument in which the manual interventions are reduced. The basic principle behind the instrument is Beer-Lambert law. Hence light source and the photodetector is main driving force of the instrument. There is no need of the foreknowledge of the bio-chemical reactions taking place, so the person having no knowledge about the reactions can easily operate it and can get the result. The blood group can be detected by the instrument only and the result can be shown at the output provided in the instrument.