

Mahatma Gandhi Vidyamandir's

**Smt. Pushpatai Hiray Arts Science and Commerce
Mahila Mahavidyalaya, Malegaon Camp, Dist- Nashik**

Department of Zoology Organized Workshop on

“Blood Analyzer and its Applications”

on dated 6th October 2020, At 2.00 pm.

Year- 2020-2021

Mahatma Gandhi VidyaMandir's
Smt. Pushpatai Hiray Arts Science and Commerce Mahila Mahavidyalaya,
Malegaon Camp, Dist- Nashik

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Theme of Event

Our Department of Zoology organize the workshop to create awareness about the Blood analyzer instrument and its applications. In such workshops, we get knowledge about the reagents, calibrators and controls for laboratories with diverse testing volumes. To improve our laboratory's performance in today's changing healthcare environment.

Through this workshop, we get practical knowledge regarding the blood analyzers and its analysis. Various hospitals, medical labs and forensic labs use the blood analyzer instrument. A blood analyzer may use to test for many things, such as blood cell counts, therapeutic drug monitoring, drug use, blood typing, protein analysis, checking thyroid function.

Department of Zoology

Mahatma Gandhi Vidyamandir's

SMT. PUSHPATAI HIRAY ARTS, SCIENCE & COMMERCE MAHILA MAHAVIDYALAYA

Loknete Vyankatrao Hiray Marg, Malegaon Camp, Dist.Nashik - 423 105.

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Scanned with CamScanner

DEPARTMENT OF ZOOLOGY

Date : 3/10/2020

Notice

Department of Zoology, Chemistry and Botany teaching staff members are hereby informed that Department of Zoology going to organize the Workshop on “**Blood Analyser and its Applications**” on dated 4thOctober 2020, At 2.00 pm. All staff members are requested to attend the workshop in time.

Time- 02.00 P.M.

Place: Department of Zoology


(Dr. Ujjwala S. Deore)
PRINCIPAL
S.P.H. Mahila Mahavidyalaya
Malegaon Camp-423 105 (Nashik)

Principal



Mahatma Gandhi Vidyamandir's
**Smt. Pushpatai Hiray Arts, Science and Commerce Mahila Mahavidyalaya,
Malegaon Camp, Dist- Nashik**

**Department of Zoology Organized
Workshop on**

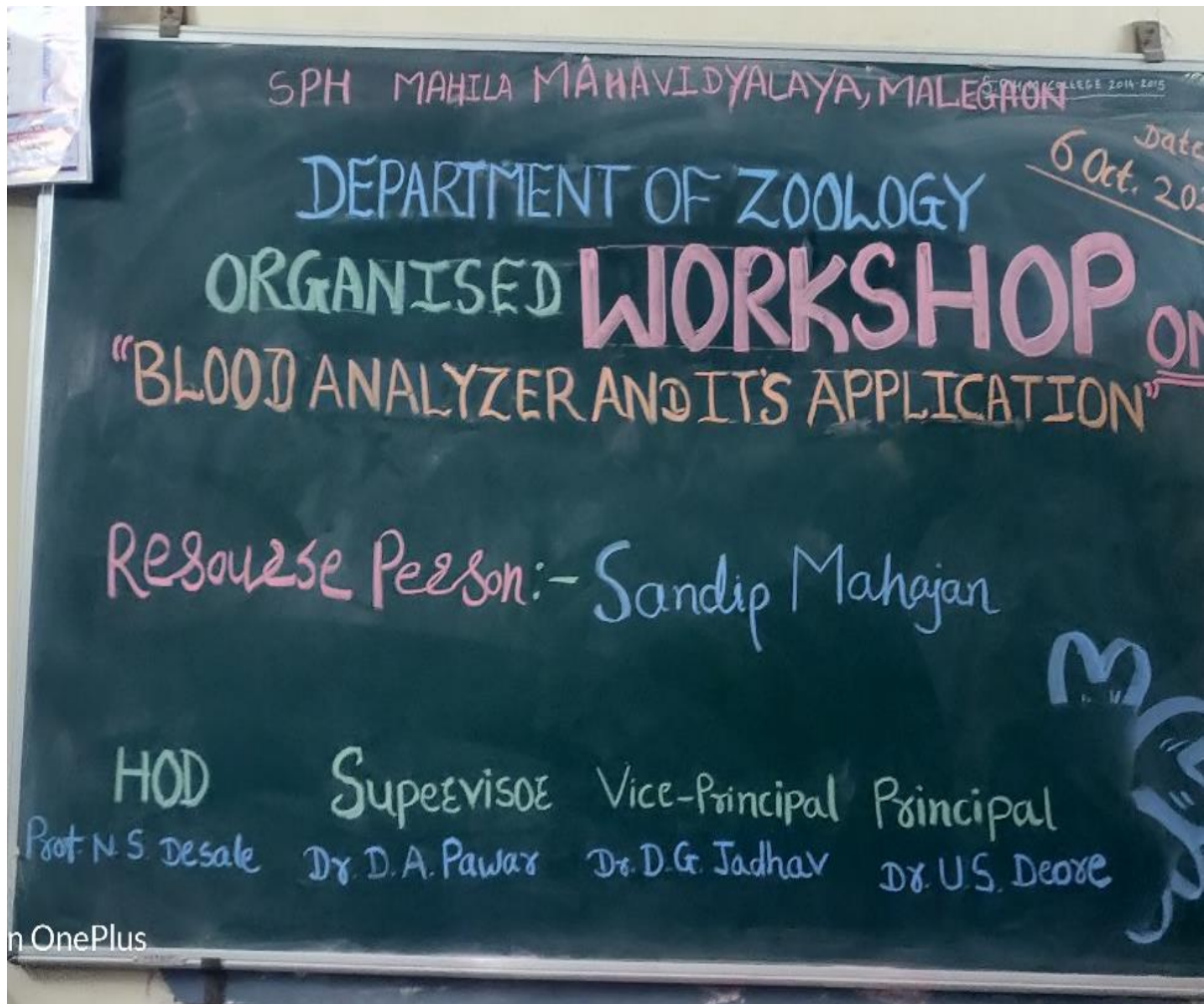
“Blood Analyser and its Applications”

Date: 4th October 2020 Time : 2.00 pm

Program Schedule

Anchoring :	Smt. N. S. Desale (Head , Department of Zoology)
President :	Prin. Dr. Ujjwala Deore
Preface :	Dr. D. G. Jadhav (Vice Pricncipal)
Guest Introduction:	Dr. Tejswini Sontakke
Resource Person :	Mr. Sandip Mahajan
Presidential Address:	Dr. Ujjwala Deore (Principal)
Vote of Thanks :	Miss. Shital Salunke

Workshop Flyer



Workshop Event Photos



Smt. Desale N. S. (HOD) gives introduction of Workshop



Hon. Prin. Dr. Ujjawala Deore Madam Facilitate the Mr. Sadip Majan Sir



Mr. Mahajan Sir Explain the Blood analyzer Machine working in detail with Staff member



Mr. Sandip Mahajan Gives Demo on Blood Analyzer Machine

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Date: 06/10/2020

REPORT ON BLOOD ANALYZER AND IT'S APPLICATION WORKSHOP


Department of Zoology Organized the workshop on Blood Analyzer and its application Scheduled on dated 06th October 2020. For this workshop, application engineer Mr. Sandip Mahajan introduced the object behind the workshop. He gives information of ABX Micros 60 Blood Analyzer instrument. This instrument works automated Blood analyzer blood cell counters measure or calculate the following parameters: hemoglobin content of RBCs, hematocrit, RBC count, mean corpuscular volume (MCV) of RBCs, mean corpuscular hemoglobin (MCH), mean corpuscular hemoglobin concentration (MCHC), platelet count, mean platelet volume, and WBC count with differential.

He has also highlighted on various parameters like, Hemoglobin is measured directly from the whole blood specimen using a method based on cyanomethemoglobin formation. Enumeration of the RBCs, the WBCs, and the platelets can be achieved by several methods. This method relies on the change in conductance evoked by cells passing through a small aperture. The aperture size differs for RBC, WBC, and platelets. The change in conductance results in an electric impulse that can be detected and recorded and this method also allows for the measurement of the cell volume.

He has also provided the knowledge regarding analysis of the WBCs requires the lysis of the erythrocytes. After performing red cell lysis, the different populations of the WBCs are identified by flow cytometry within the cell counter. Blood analyzers delivered reliable red blood cell counts, platelet counts.

Through this workshop, he has enhanced the knowledge among the teachers. He concluded the lecture with question and answers. All the staff members were satisfied with his guidance.


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