

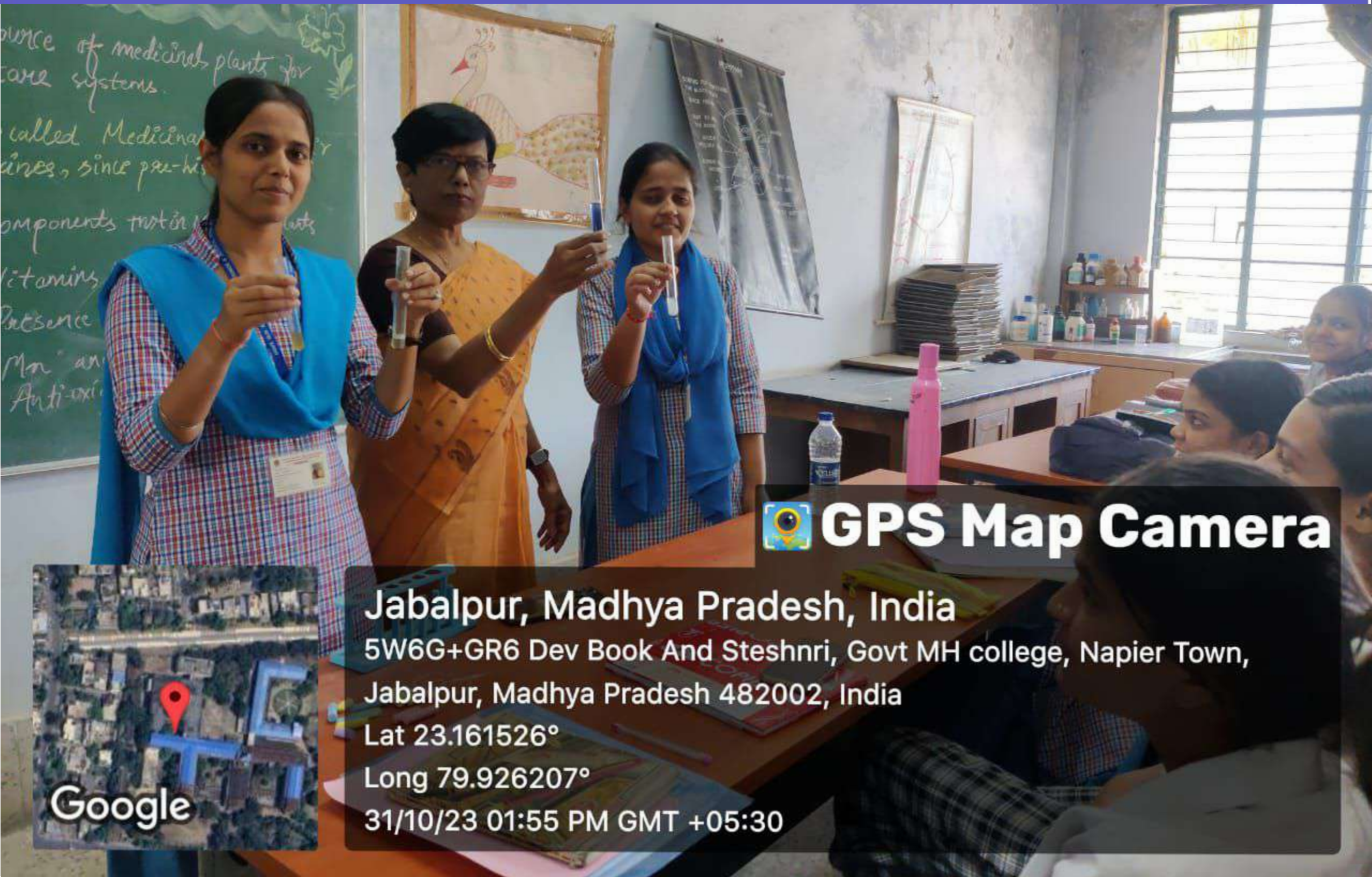


शासकीय मो.ह.गृह विज्ञान एवं विज्ञान महिला, महाविद्यालय

GOVERNMENT M. H. COLLEGE OF HOME SCIENCE & SCIENCE FOR WOMEN

www.gmhcollege.org.in

नैपियर टाउन, जबलपुर - 482002 मध्य प्रदेश, भारत
Napier Town, Jabalpur - 482002 Madhya Pradesh, India



GPS Map Camera

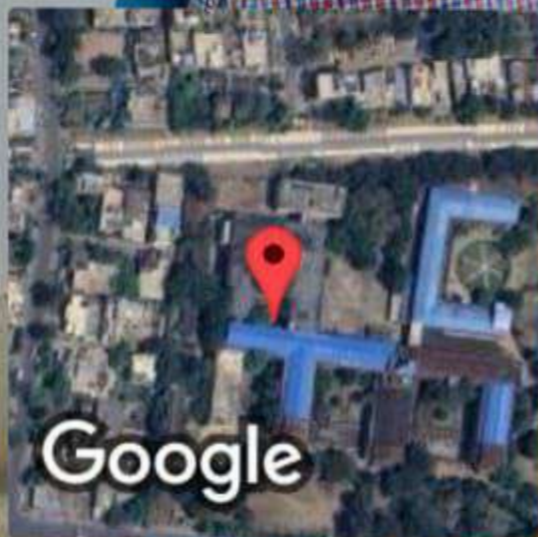
Jabalpur, Madhya Pradesh, India

5W6G+GR6 Dev Book And Steshnri, Govt MH college, Napier Town,
Jabalpur, Madhya Pradesh 482002, India

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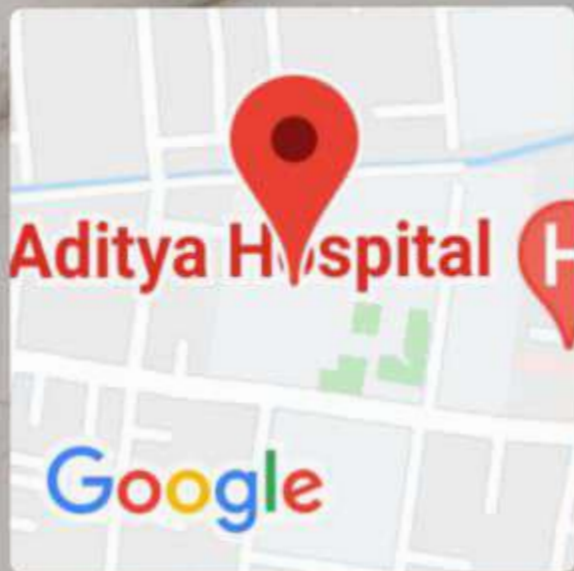
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Jabalpur, Madhya Pradesh, India
5W6G+GR6 Govt MH college, Napier Town, Jabalpur, Madhya Pradesh
482002, India
Lat 23.161169°
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Teaching by Advance Learner
By, BUSHRA FATIMA FSc III
Date - 11-01-2022

UNIT-5

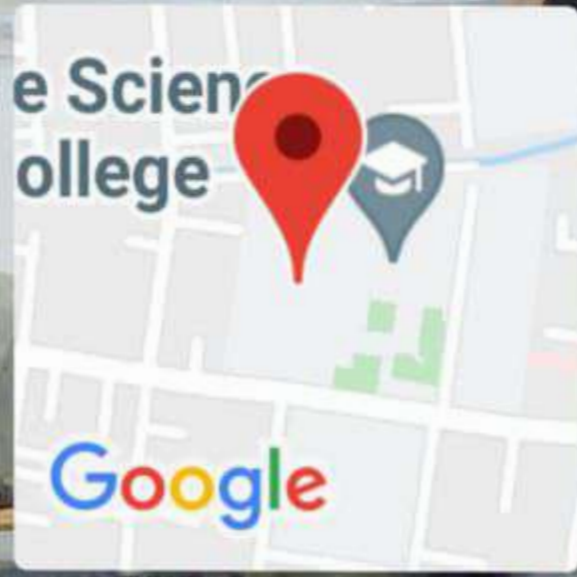
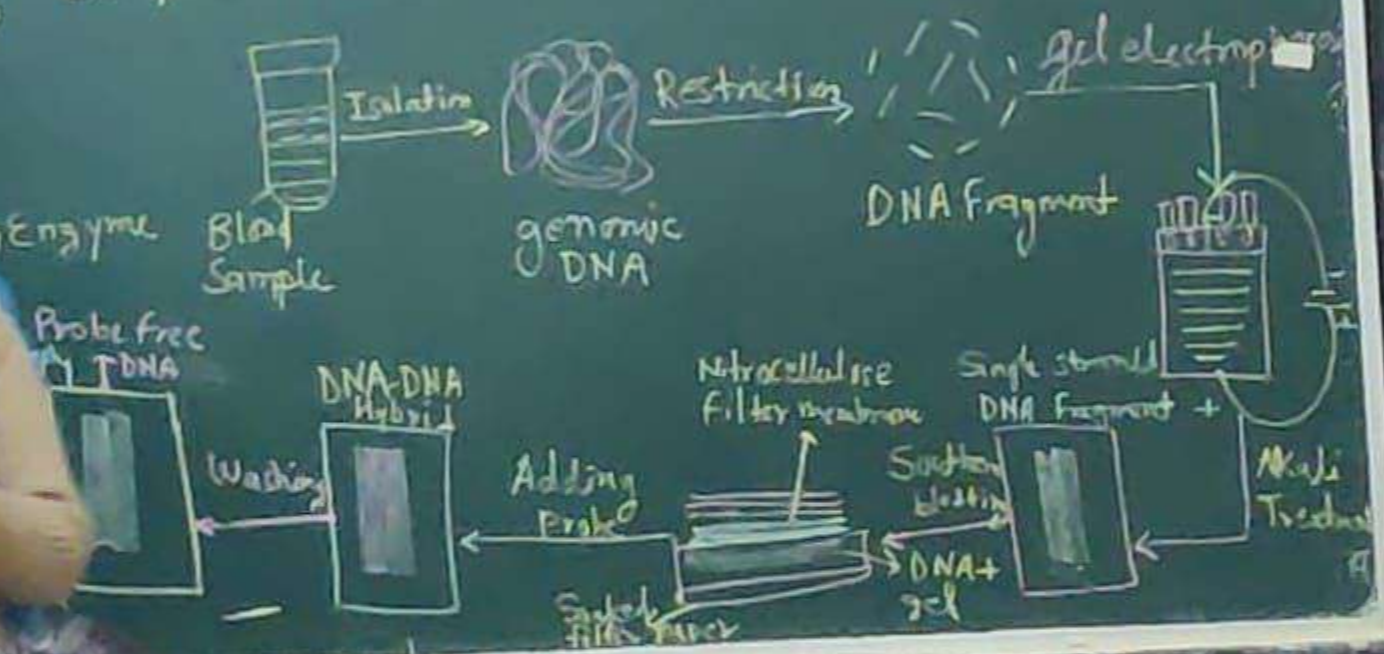
DNA Fingerprinting was invented by Alec Jeffrey in 1985.

Under guidance of Dr. Sadhana Kesarwani

The process of DNA Fingerprinting
Sample use for DNA Fingerprinting: Blood, Saliva, Hair, Semen, Vaginal lubrication, Body tissue cell etc.

Method of DNA Fingerprinting:

- 1) Isolation of DNA
- 2) Digestion of DNA
- 3) gel electrophoresis
- 4) Southern blotting
- 5) Selection
- 6) Hybridization
- 7) Radiography



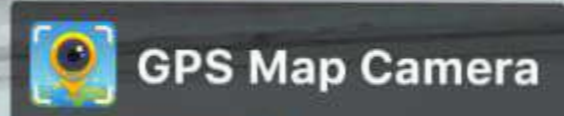
Jabalpur, Madhya Pradesh, India

5W6G+GR6 Govt MH college, Napier Town, Jabalpur, Madhya Pradesh
482002, India


Lat 23.161172°

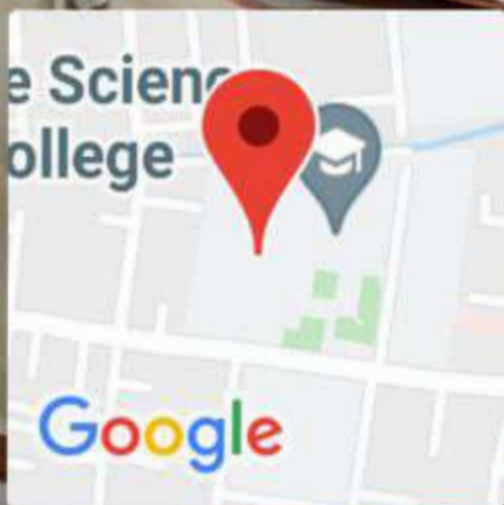
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 GPS Map Camera



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Madhya Pradesh 482002, India

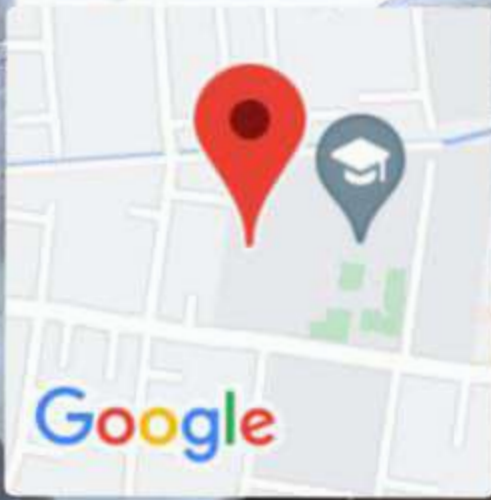
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GPS Map Camera



Jabalpur, Madhya Pradesh, India

1254, Behind mankunwarbai college, Napier Town,

Jabalpur, Madhya Pradesh 482001, India

Lat 23.161176°

Long 79.925951°

31/10/23 11:27 AM



GPS Map Camera



Jabalpur, Madhya Pradesh, India

5W6G+GR6 Govt MH college, Napier Town, Jabalpur, Madhya Pradesh

482002, India

Lat 23.161124°

Long 79.926312°

01/02/22 11:29 AM



GPS Map Camera



Jabalpur, Madhya Pradesh, India
5W6G+GR6 Govt MH college, Napier Town, Jabalpur, Madhya Pradesh
482002, India
Lat 23.161124°
Long 79.926312°
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GPS Map Camera

Science
College



Jabalpur, Madhya Pradesh, India

5W6G+GR6 Govt MH college, Napier Town, Jabalpur, Madhya Pradesh

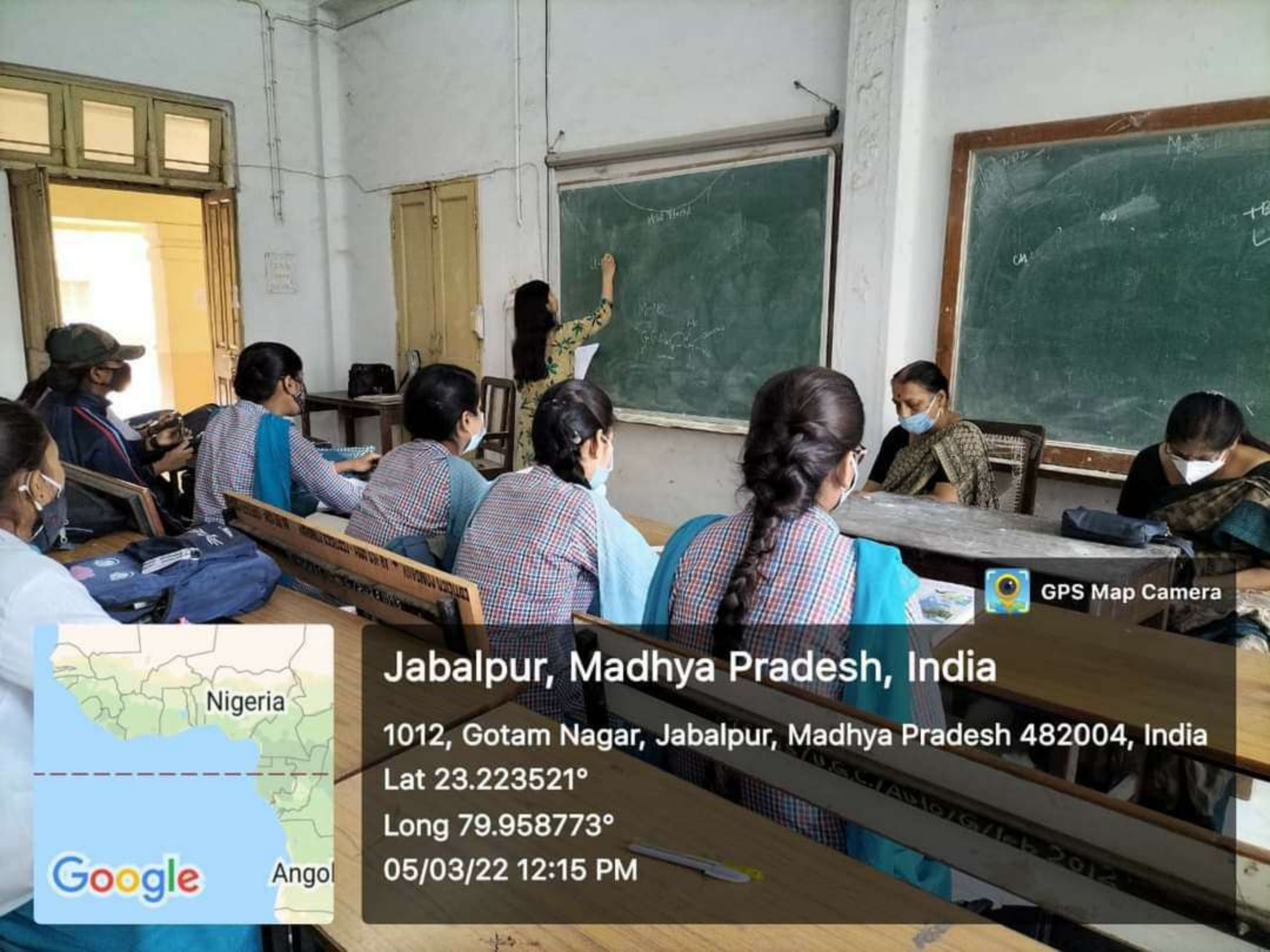
482002, India

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Jabalpur, Madhya Pradesh, India

1012, Gotam Nagar, Jabalpur, Madhya Pradesh 482004, India

Lat 23.223521°

Long 79.958773°

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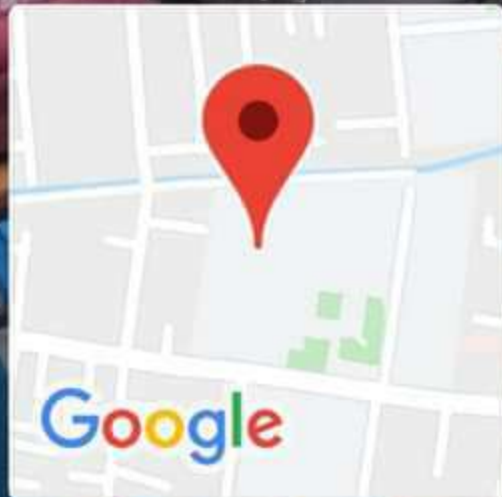
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Jabalpur, Madhya Pradesh, India

**5W6G+GR6 Home Science College, Govt MH college, Napier
Town, Jabalpur, Madhya Pradesh 482002, India**

Lat 23.161417°

Long 79.926229°

04/03/22 12:05 PM



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Town, Jabalpur, Madhya Pradesh 482002, India

Lat 23.16141°

Long 79.926239°

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Town, Jabalpur, Madhya Pradesh 482002, India

Lat 23.161417°

Long 79.926229°

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GPS Map Camera

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5W6G+GR6 Home Science College, Govt MH college, Napier
Town, Jabalpur, Madhya Pradesh 482002, India

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Google

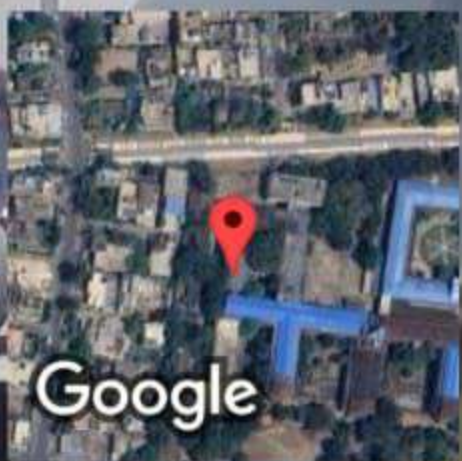


Genetic Disorders

<p>Autosomal</p> <p>① Down Syndrome - 21st</p> <p style="margin-left: 40px;">$3n(45+xx)(45+xy)$</p> <p>② Edward Syndrome - 18th</p> <p>③ Patau Syndrome - 13th</p>	<p>Sex Chromosomal</p> <p style="margin-left: 40px;">$44+XY - 11$</p> <p style="margin-left: 40px;">$44+XX - 6$</p>
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GPS Map Camera

Jabalpur, Madhya Pradesh, India
 5W6G+GR6 Dev Book And Steshnri, Govt MH college, Napier
 Town, Jabalpur, Madhya Pradesh 482002, India
 Lat 23.161612°
 Long 79.926048°
 18/10/23 01:19 PM GMT +05:30





BIOREMEDIATION

Bioremediation is the use of living organisms to clean up contaminated environments. It is a natural process that can be enhanced by the addition of nutrients and oxygen. The process involves the breakdown of pollutants into simpler, less toxic substances by microorganisms.

Types of Bioremediation:

- Phytoremediation:** The use of plants to absorb and store pollutants.
- Mycoremediation:** The use of fungi to break down pollutants.
- Bioremediation:** The use of bacteria and other microorganisms to break down pollutants.

Applications:

- Oil spill cleanup
- Removal of heavy metals
- Removal of pesticides and herbicides
- Removal of organic pollutants

Production Of Biogas From Biomass

Biogas is a renewable energy source produced from biomass through the process of anaerobic digestion. It is a mixture of methane and carbon dioxide. The process involves the breakdown of organic matter by microorganisms in the absence of oxygen.

Process:

- Feedstock (biomass) is added to a digester.
- Microorganisms break down the biomass into biogas.
- The biogas is collected and used for energy.

Production Of Alcohol From Biomass

Alcohol is a renewable energy source produced from biomass through the process of fermentation. It is a mixture of ethanol and water. The process involves the breakdown of sugars by yeast in the presence of oxygen.

Process:

- Feedstock (biomass) is added to a fermenter.
- Yeast breaks down the sugars into alcohol.
- The alcohol is collected and used for energy.

Genetic Engineering

Genetic engineering is the process of altering the genetic makeup of an organism. It involves the manipulation of DNA. The process is used to create new varieties of plants and animals, and to produce medicines and vaccines.

Applications:

- Production of insulin
- Production of vaccines
- Production of transgenic crops
- Production of transgenic animals

$GA + XY \rightarrow Z$