

2.3.2





MSc - Botany I - Sem

INTRODUCTION TO CONDUCTANCE

- The conductance *is the flow of electricity* through electrolytic solution due to migration of ions by *applying potential difference between two electrode*.
- Cathode (-ve charged) will attract cations (+ve).
- Anode (+ve charged) will attract anions (-ve).
- Conductance (G) is inversely proportional to the resistance

$$G=1/R$$

Unit of conductance is Siemens/meter(S/m).



GPS Map Camera



Baloda Bazar, Chhattisgarh, India

M46W+Q8F, Baloda Bazar, Chhattisgarh 493332, India

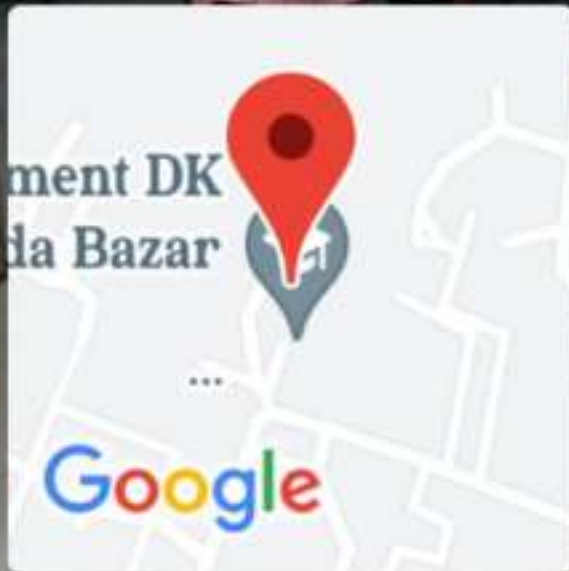
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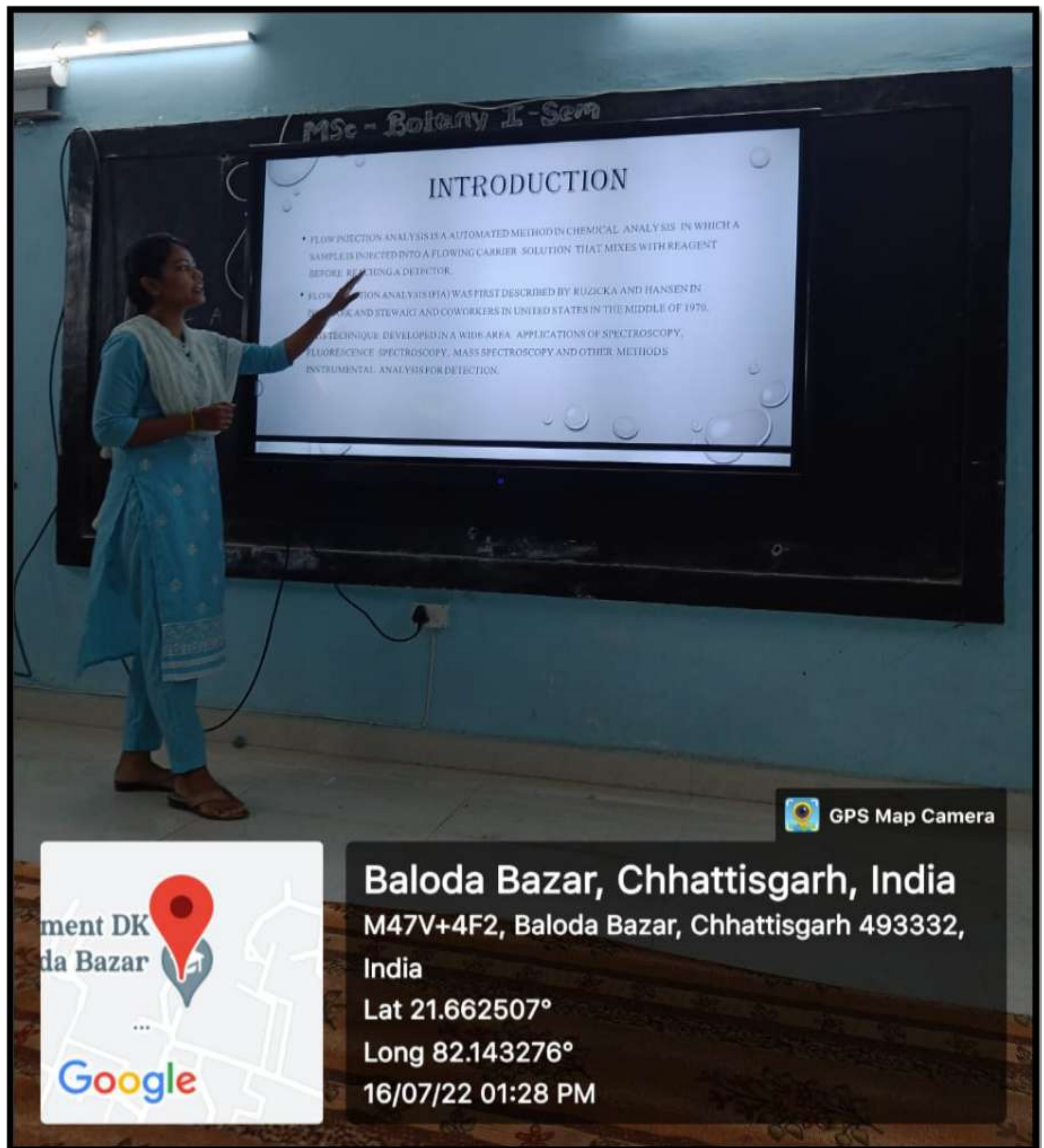
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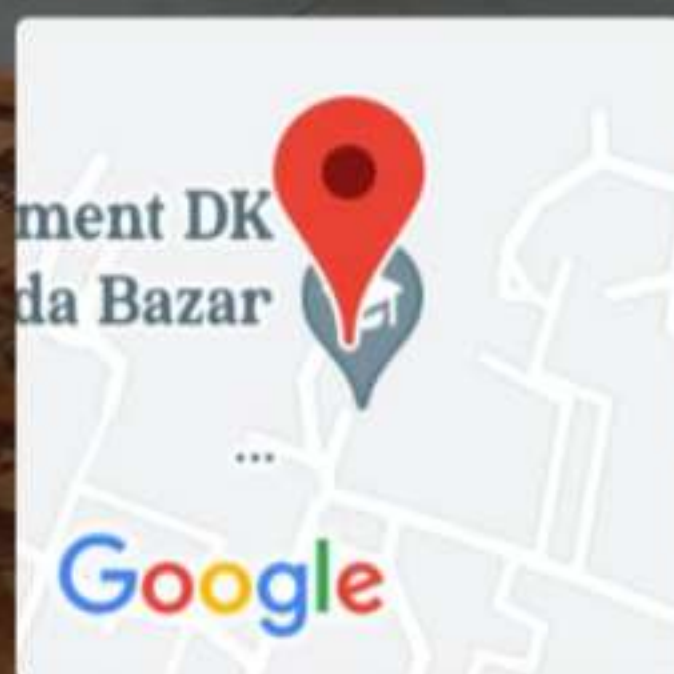


INTRODUCTION

- FLOW INJECTION ANALYSIS IS A AUTOMATED METHOD IN CHEMICAL ANALYSIS IN WHICH A SAMPLE IS INJECTED INTO A FLOWING CARRIER SOLUTION THAT MIXES WITH REAGENT BEFORE REACTING A DETECTOR.
- FLOW INJECTION ANALYSIS (FIA) WAS FIRST DESCRIBED BY RUZICKA AND HANSEN IN 1975. R. Z. R. AND STEWART AND COWORKERS IN UNITED STATES IN THE MIDDLE OF 1970. THIS TECHNIQUE DEVELOPED IN A WIDE AREA APPLICATIONS OF SPECTROSCOPY, FLUORESCENCE SPECTROSCOPY, MASS SPECTROSCOPY AND OTHER METHODS INSTRUMENTAL ANALYSIS FOR DETECTION.



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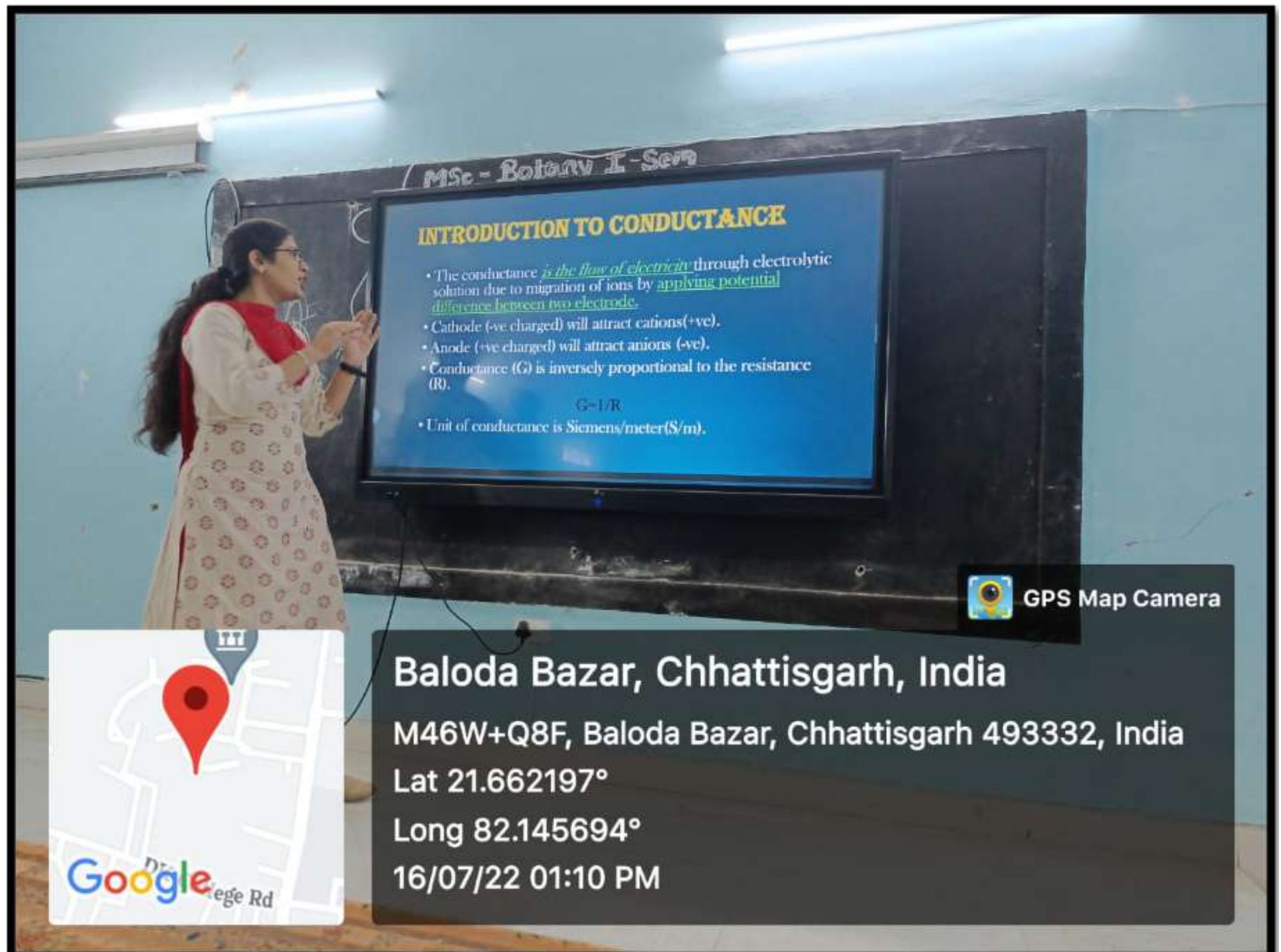
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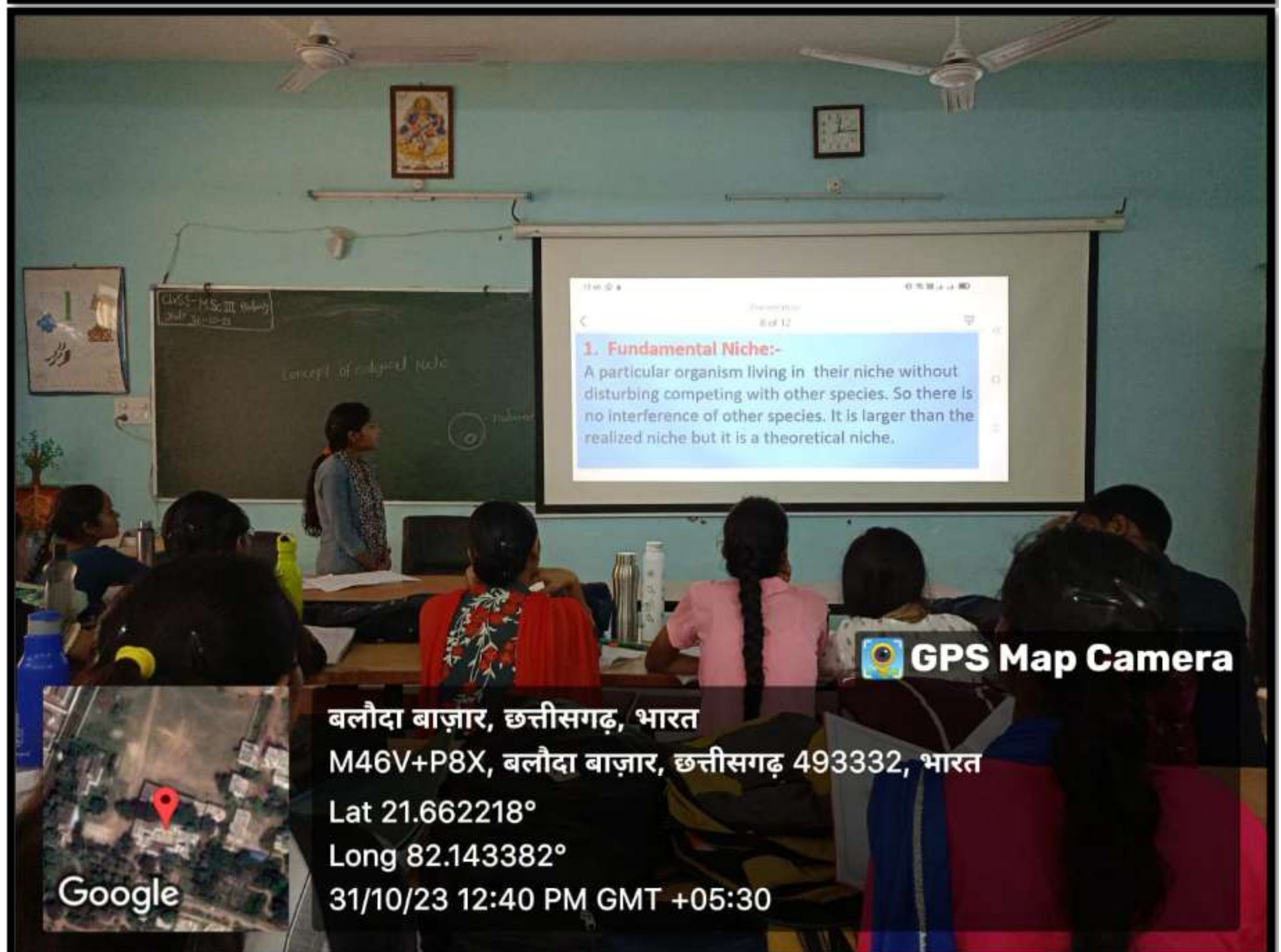
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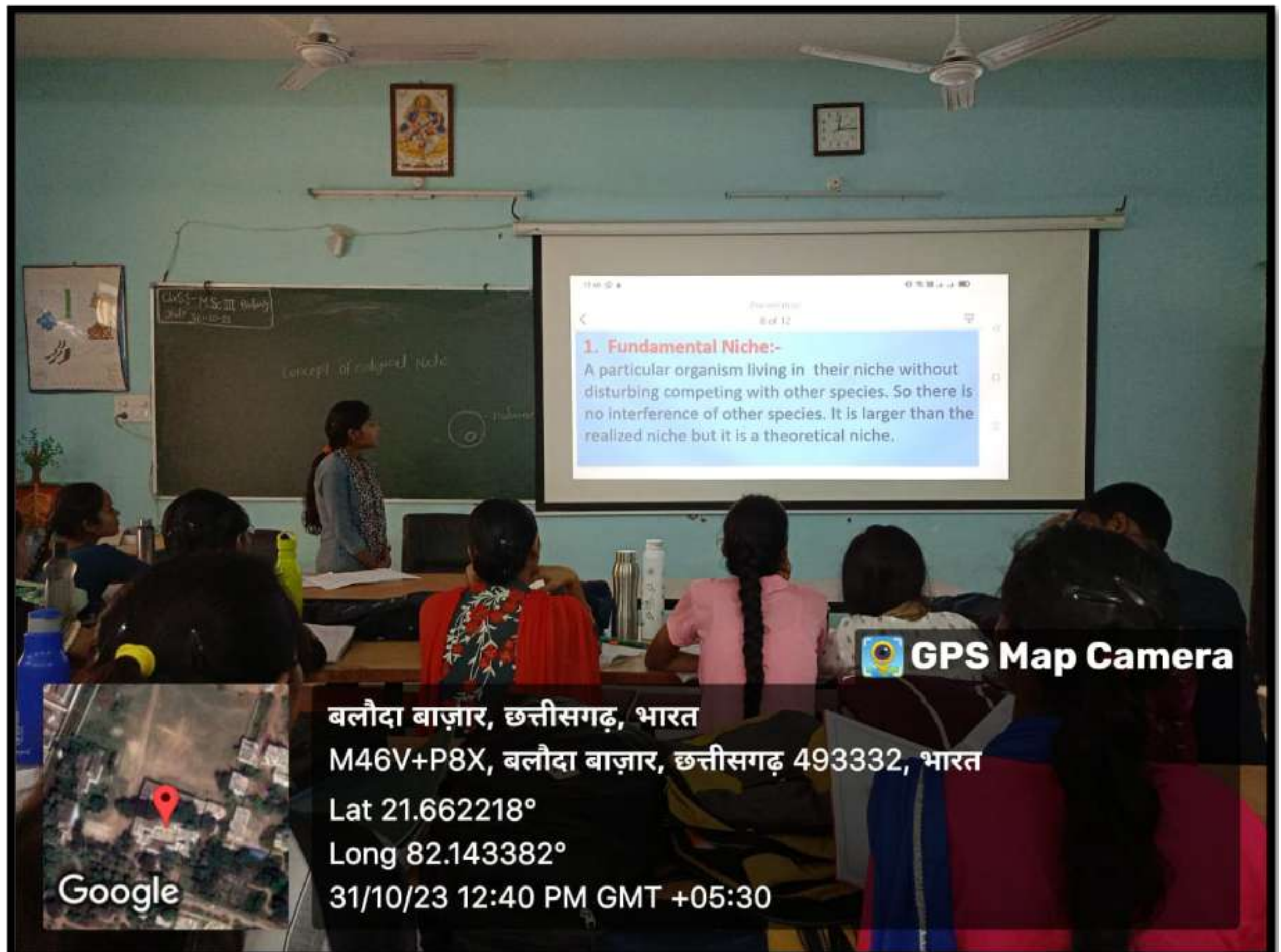
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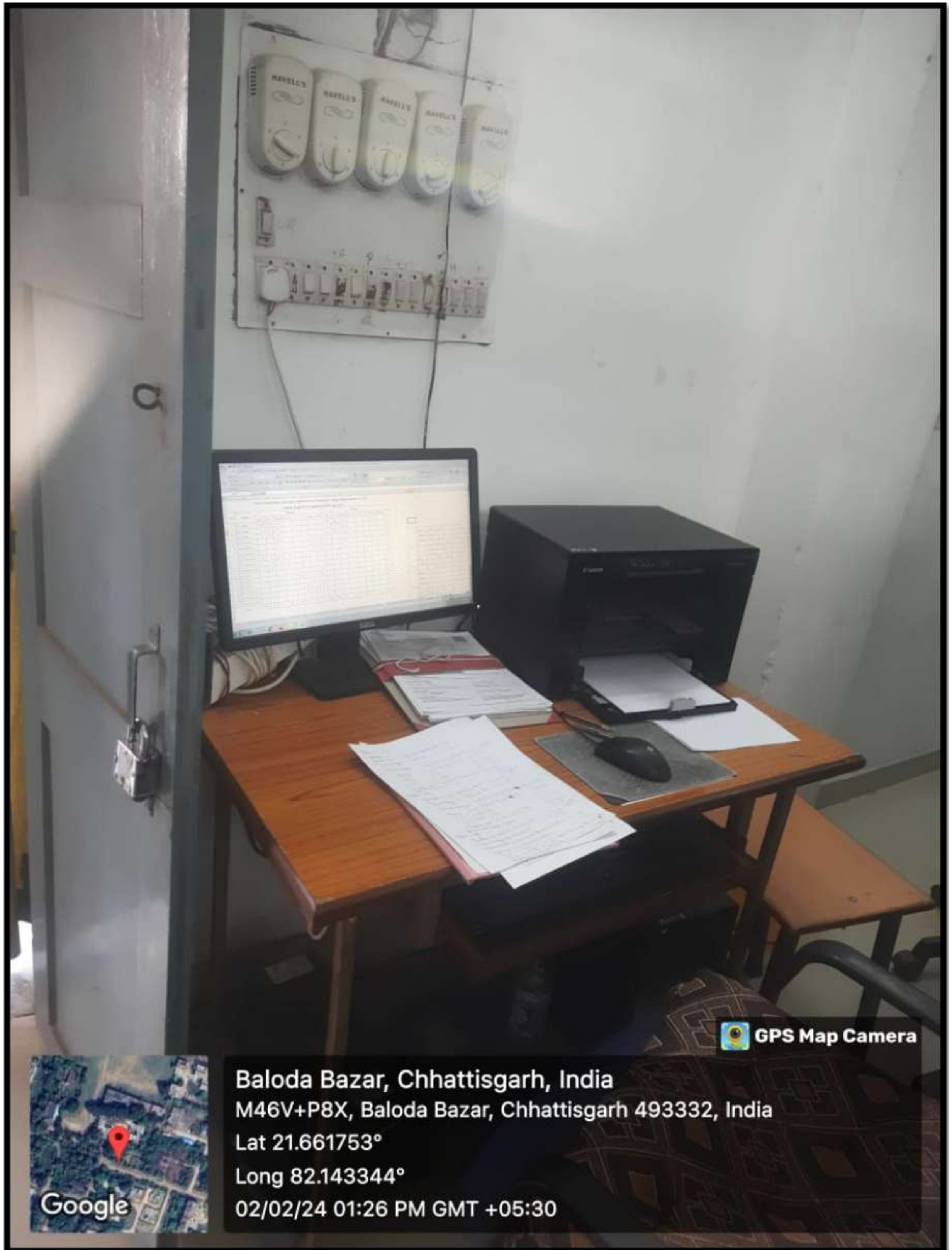












 GPS Map Camera



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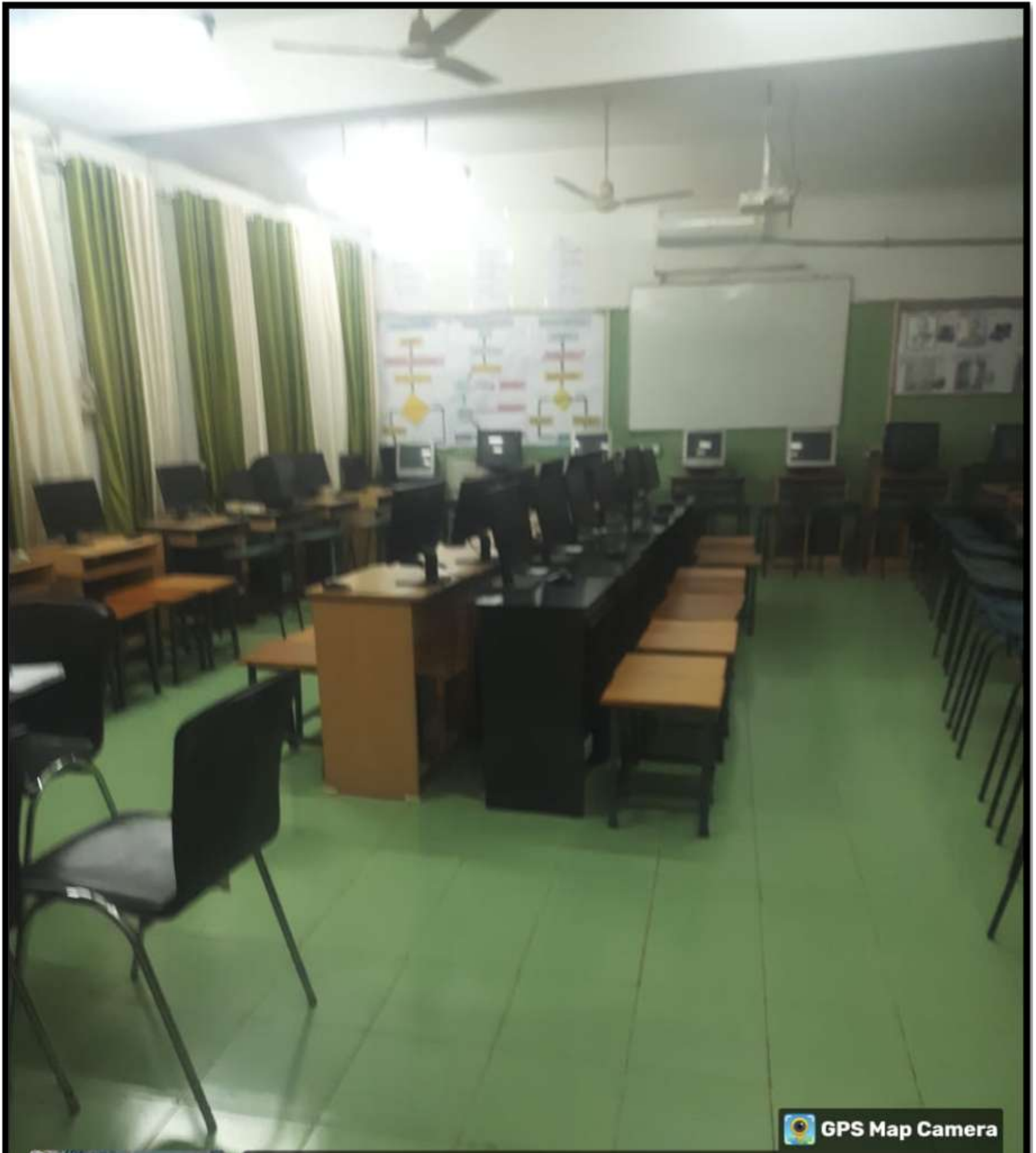
Baloda Bazar, Chhattisgarh, India

M46V+P8X, Baloda Bazar, Chhattisgarh 493332, India

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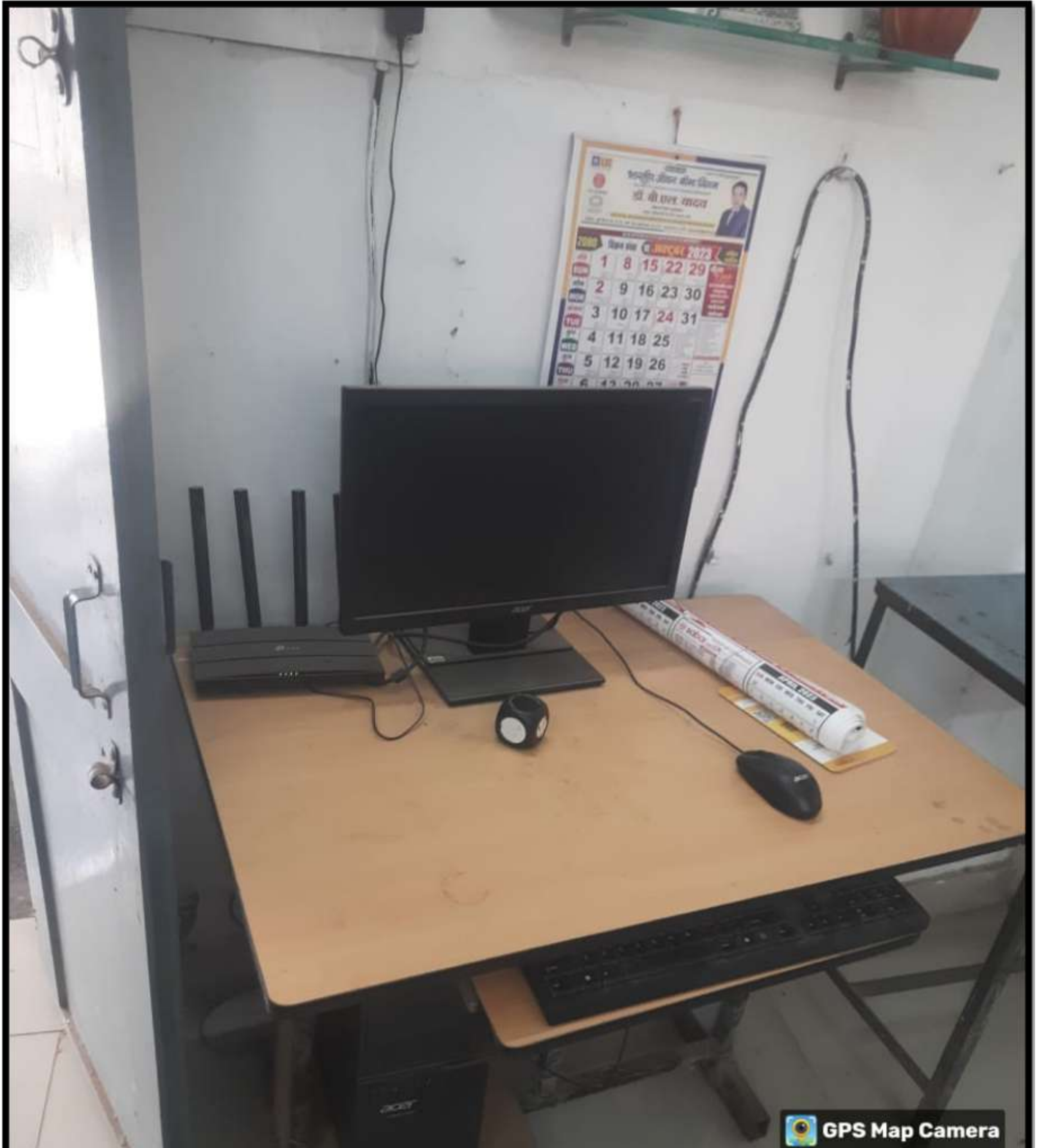
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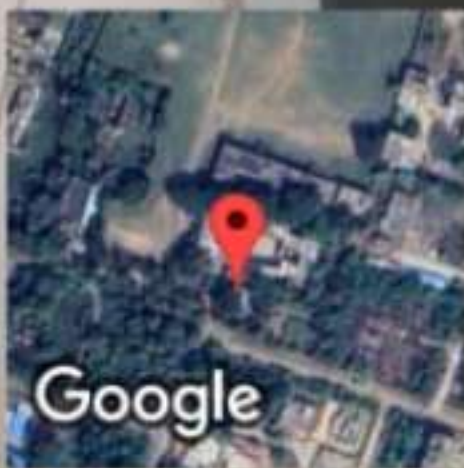
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Baloda Bazar, Chhattisgarh, India
M46V+P8X, Baloda Bazar, Chhattisgarh 493332, India
Lat 21.662108°
Long 82.143215°
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GPS Map Camera



Baloda Bazar, Chhattisgarh, India

M46V+P8X, Baloda Bazar, Chhattisgarh 493332, India

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