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Environmental & Energy Conservation Audit Report- 2020



03-12-2020

Bannerghatta Road, Gottigere,

Bangalore- 560083

PRINCIPAL
T. JOHN COLLEGE
88/1 K...h Gottigere Post
Bannerghatta Road, BANGALORE-560 083

1. INTRODUCTION

The purpose of the green audit is to assess the level of environmental consciousness of the institution and also to check the contribution of the institution to the environment.The ideal environment is supposed to be maintained in the HEI's to foster richness and to emphasize the significant role that a greener environment can bring into the education system. The green audit will allow the institute to realize the extent of follow-up and planning towards attaining an eco-friendly environment.the audit will try to focus on initiatives taken by the institution to meet the objectives framed within.

2. OBJECTIVES

1) To recognize the initiatives taken by the institute towards a cleaner & greener campus.
2) To promote greener and, environmentally friendly initiatives by the institution.
3) To identify the gaps and provide the scope to the institution to fulfill the requirement.

3. SCOPE OF AUDIT

1) Rainwater harvesting
2) Greener campus
3) E-waste management
4) Wastewater recycling
5) Energy management system
6) Environmental consciousness
7) Green/environment & energy conservation promotional activities

4. AUDIT FINDINGS

- The findings are the audit observation that is made during the physical inspection of the facilities bound to the scope of this audit.
- The scope is referred to the parameters mentioned in the subheading Number 3-scope of the audit.
- The audit is evaluated in terms of qualitative measures taken by the institution and which are noticed during the time of audit.

1) Rainwater harvesting

- The institution has a rainwater harvesting system that is well equipped with a stump, motor pump & adequate pipeline to control and monitor the water.

2) **Greener campus**

- The campus is found to have a decent plantation of trees and it is observed the trees are well maintained as visually inspected they are healthy.
- The smaller plants are found to be also healthier and the slope area near the principal office has a sprinkler system installed for reduced water consumption.
- There are several varieties of plants thatare found in the campus area which has made the campus look like a portfolio of decorative plants.
- Herbal plants are also found to be planted on the campus and the observations are satisfactory.

3) **E-waste management**

- The institution is having a tie-up with an external organization for e-waste disposal. There is also the finding of e-waste listed in the institution.

4) **Wastewater recycling**

- The wastewater especially from kitchens of the Hotel Management department is collected in the pit. The water is reused for gardening purposeson the campus.
- Suitable types of equipment are also found in the garden area for recycling for example- motor-pump, pipeline, etc,
- The wastewater generated in a day is estimated to be sufficient for the gardening purpose for one B- Block lawn area.

5) **Energy management system**

- The solar panels are installed which have a capacity of generating 100 kW of electricity per day.
- The internal lighting is 100% solar-powered.
- The excess electricity is loaded into the grid system.
- Solar water heaters are also found on the campus.

6) **Environmental consciousness**

- The environment on the campus is well maintained,
    - The infrastructure requirements are met for the need.
    - Ground is well-maintained
    - The lawn is kept clean and a good atmosphere is created
    - The emission tests are made on the college bus to ensure the emissions are under the limit set by RTO.

7) **Green/environment & energy conservation promotional activities**

- the organization has organized frequent environmental consciousness activities
- the activities have been observed to be very essential and needful activities.

5. RECOMMENDATIONS

The following observations is observed as the areas where the gaps are present and this recommendation is considered to be the points to evaluate in the subsequent audits.

1. The institution is suggested to increase the capacity of the rainwater by another 1 lakh liters.
2. It is suggested to plant rare species of trees in the institution so has to conserve the rare plant species.
3. E-waste recycling bins to be installed on the campus.
4. Suggestion on conducting environmentally conscious activities to the general public.

A report prepared by

Drakshayini M N
BE, M.Tech, (Ph.D.)
Associate Professor

DEPT. OF ECE
TJIT
BANGALORE - 560 083

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Clean and Green Campus Initiatives



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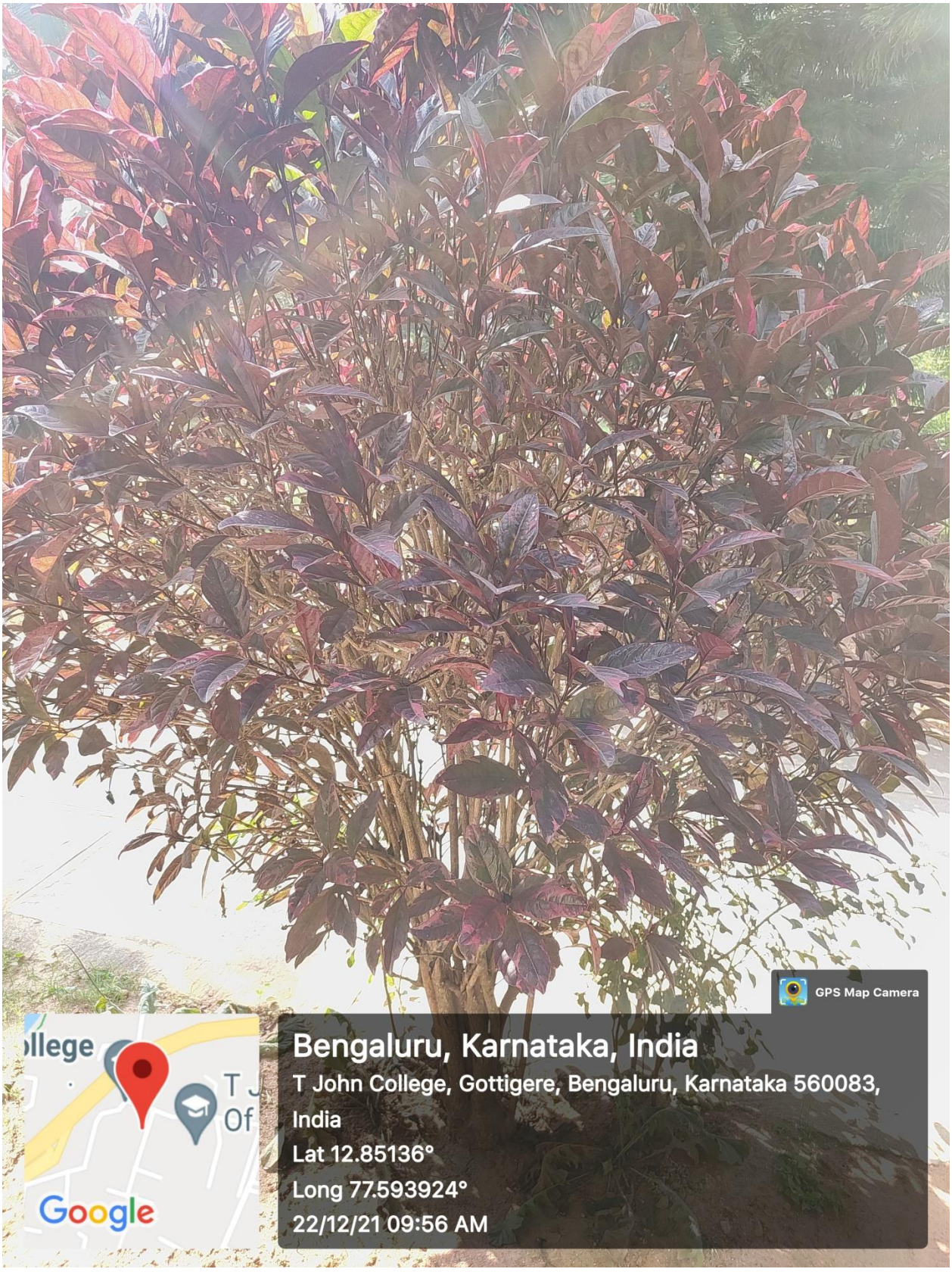
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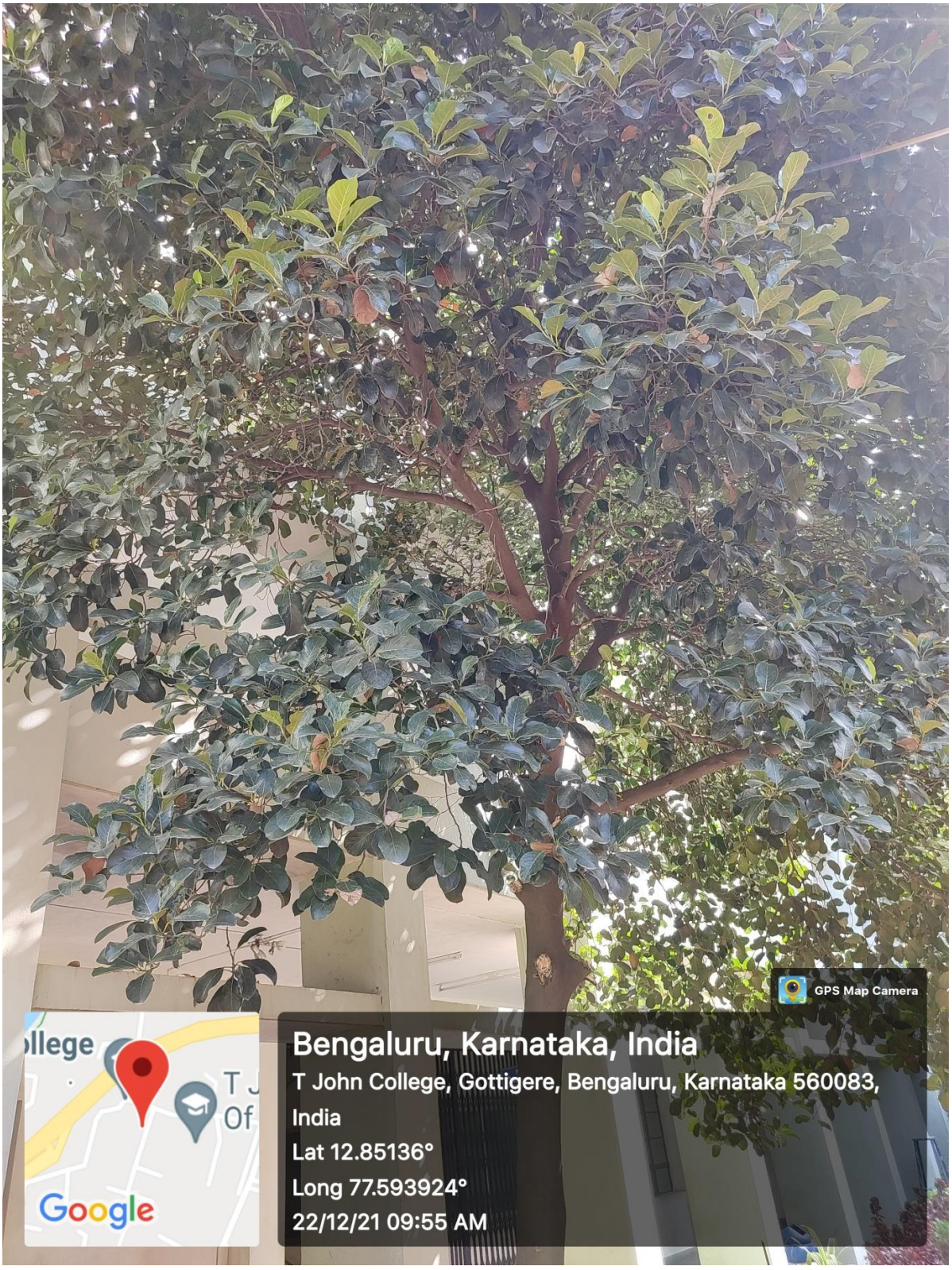
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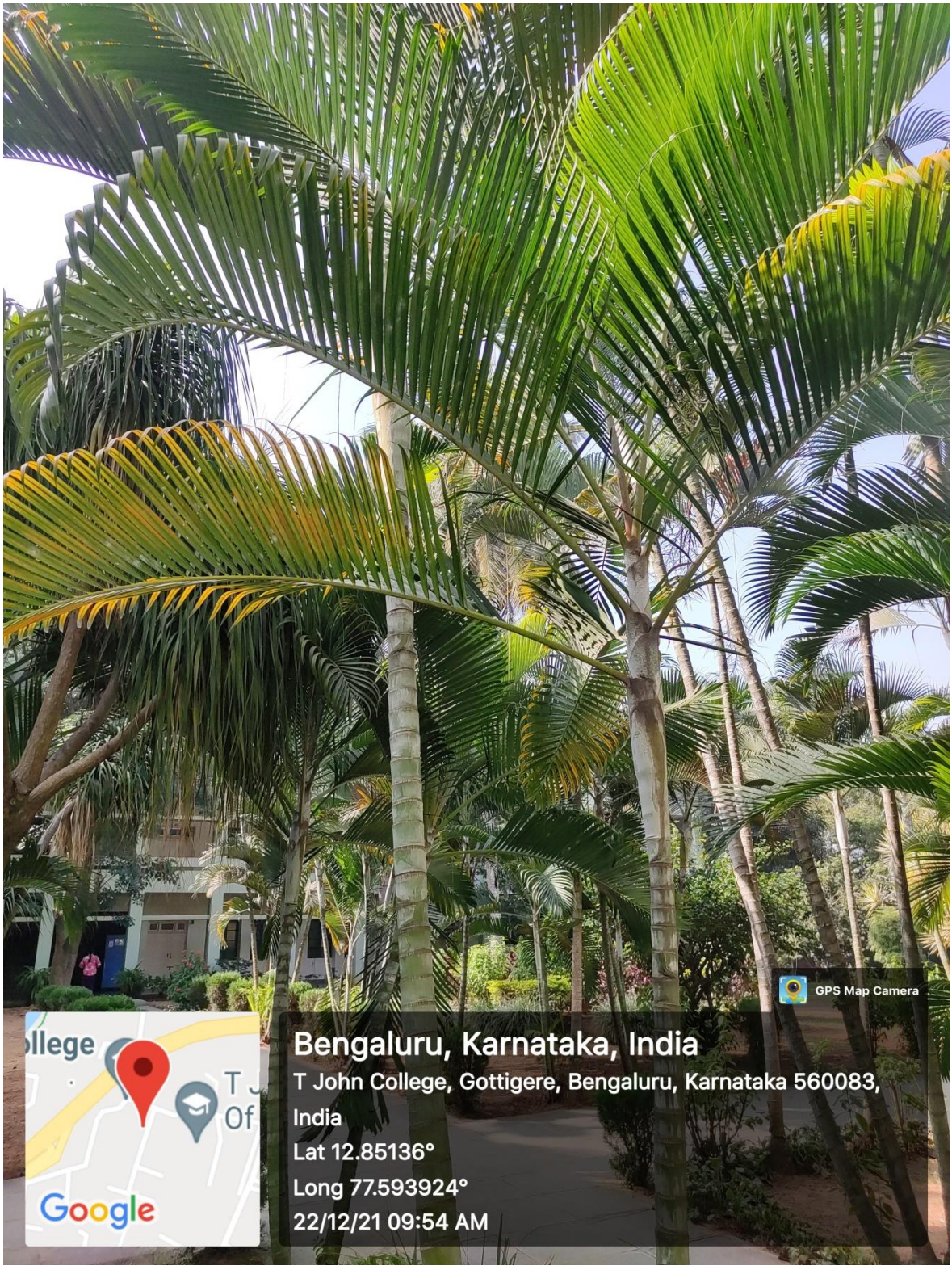
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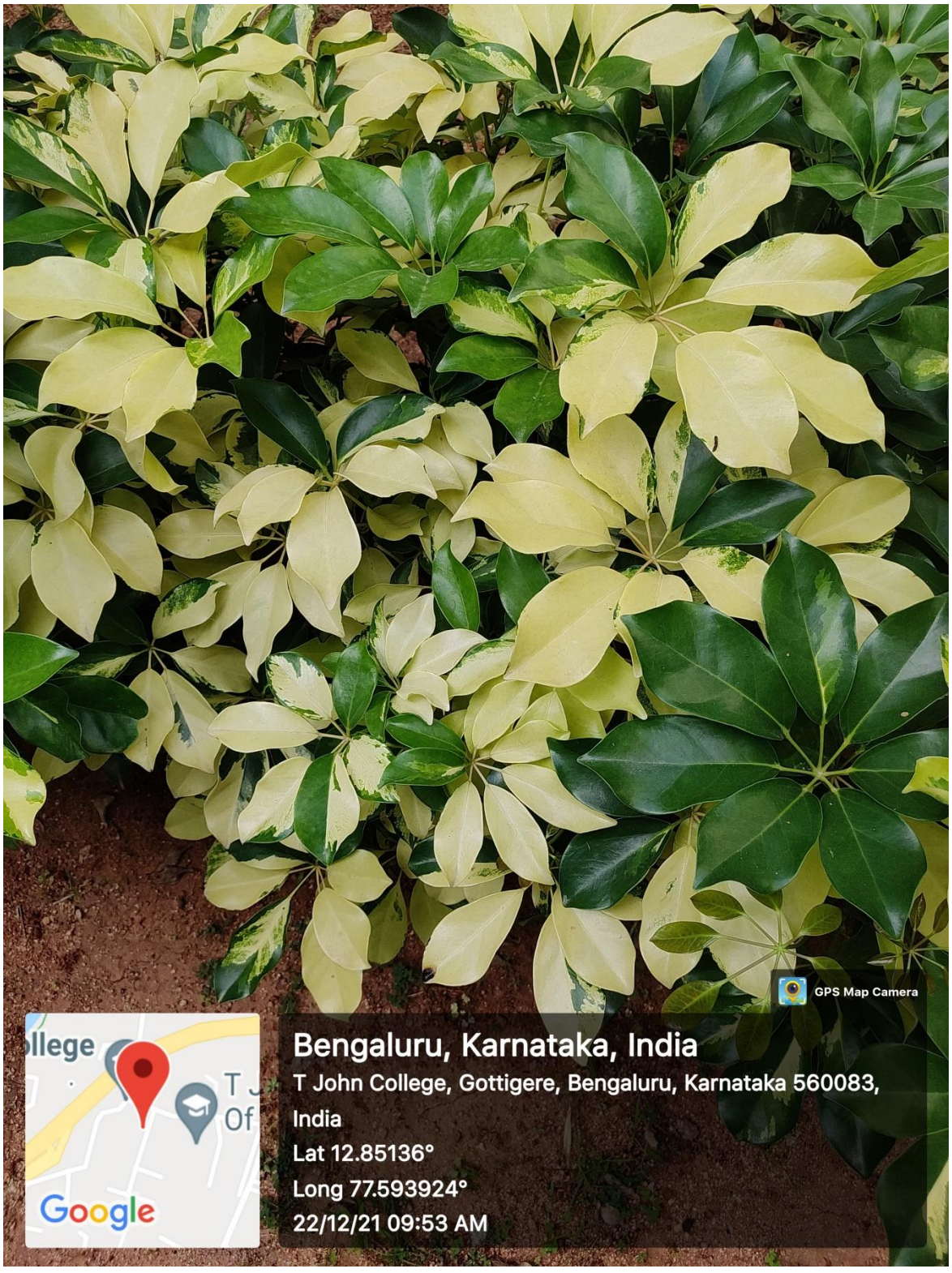
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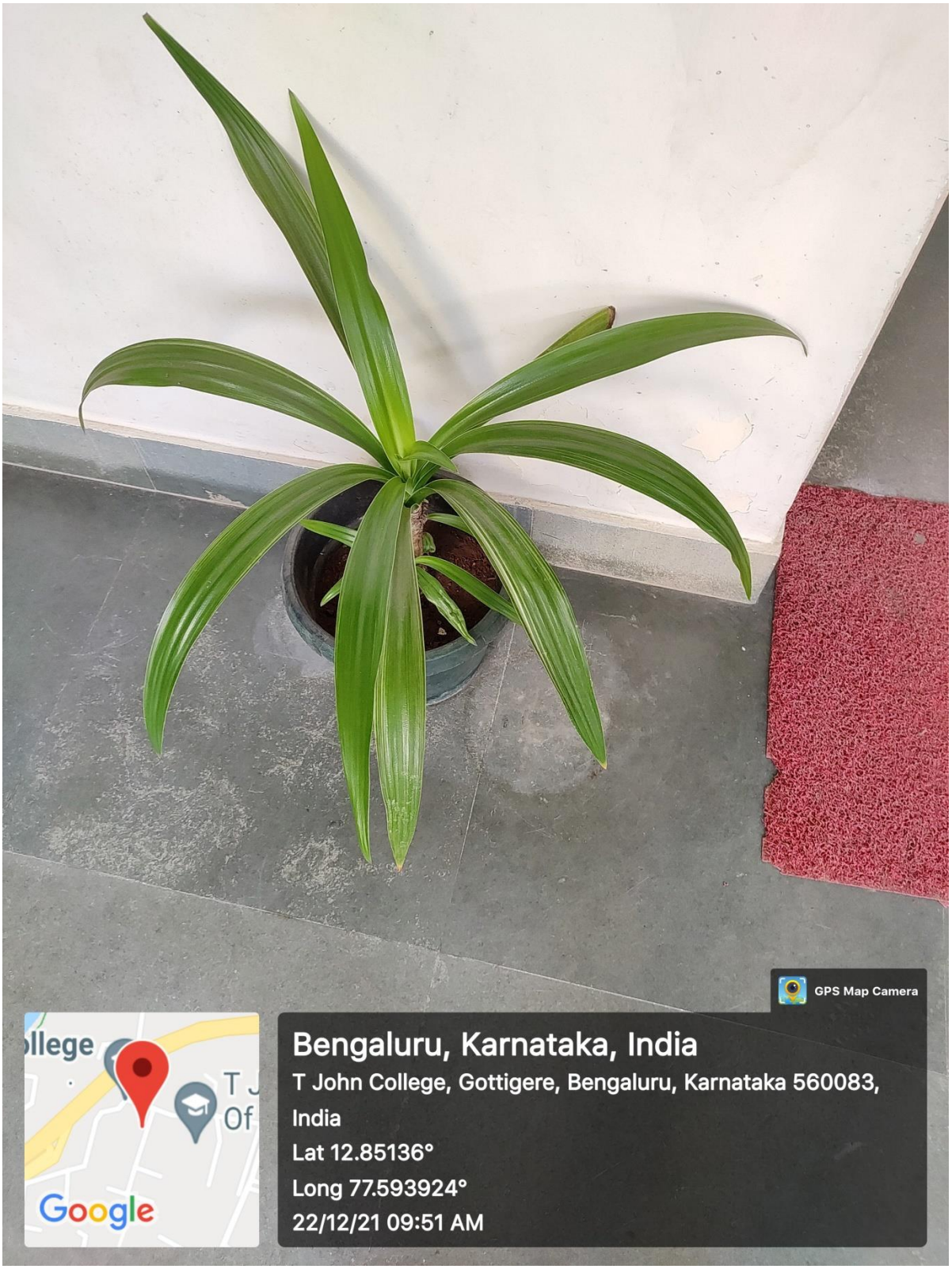
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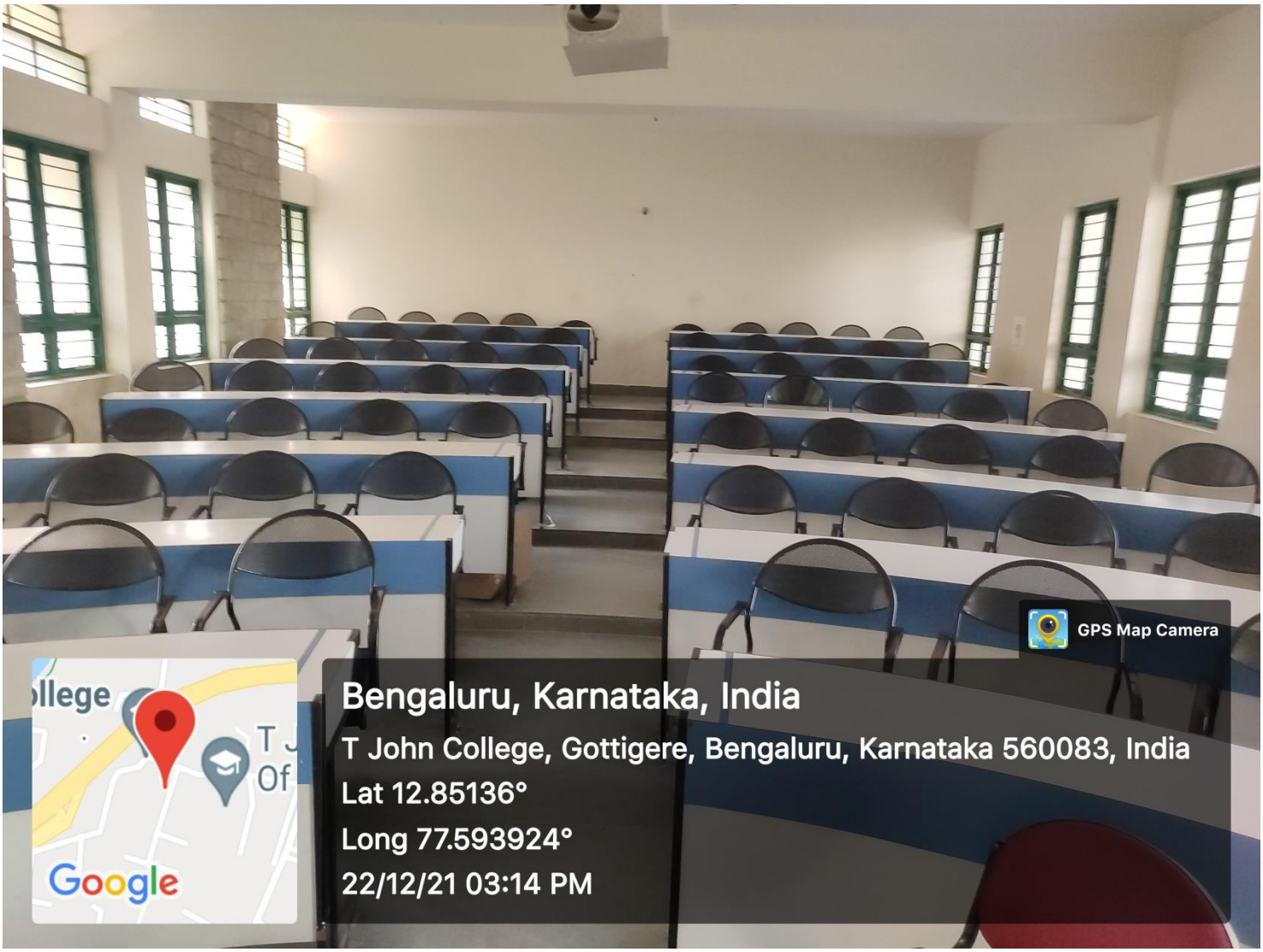
GROUP OF INSTITUTIONS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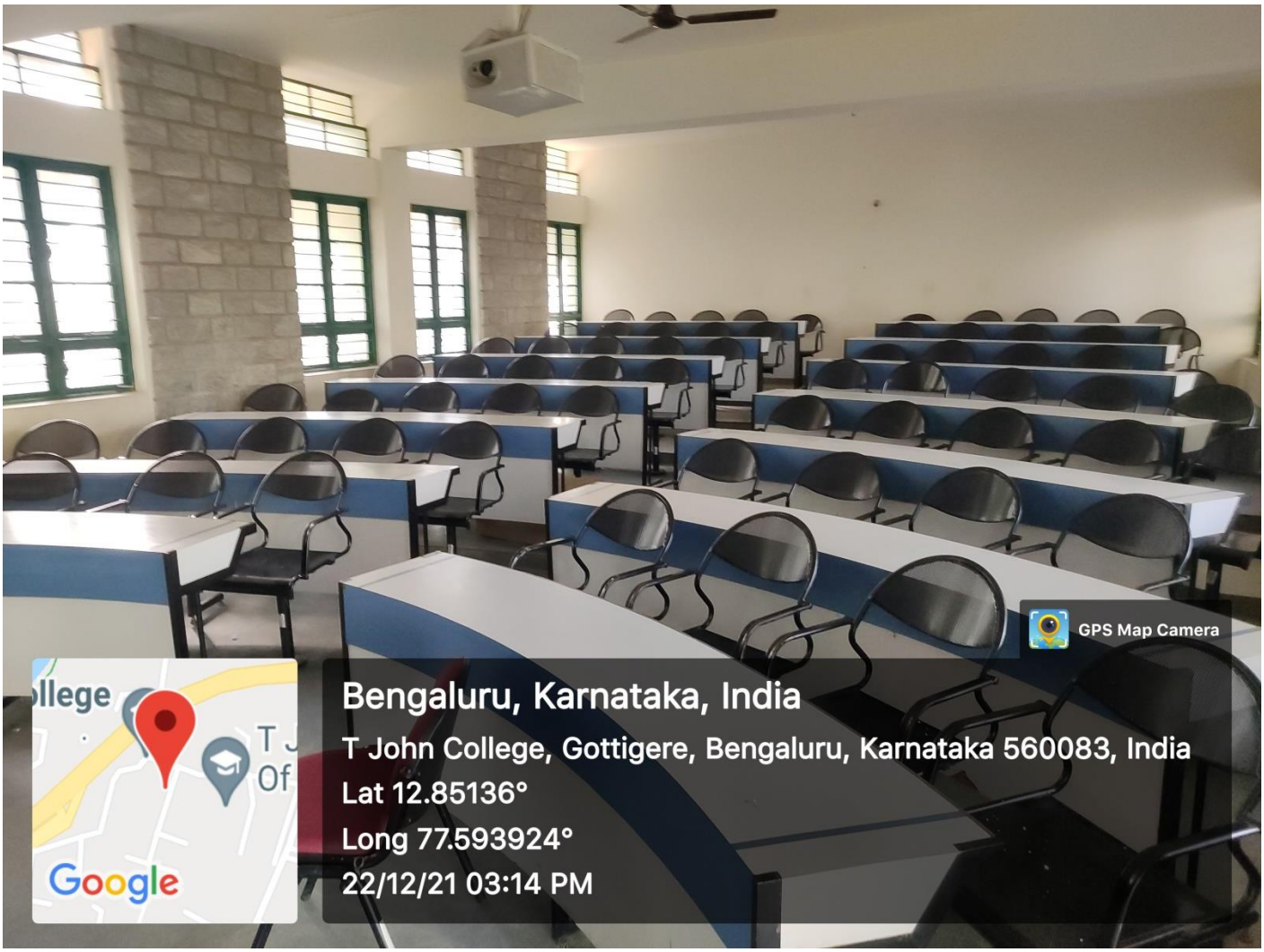
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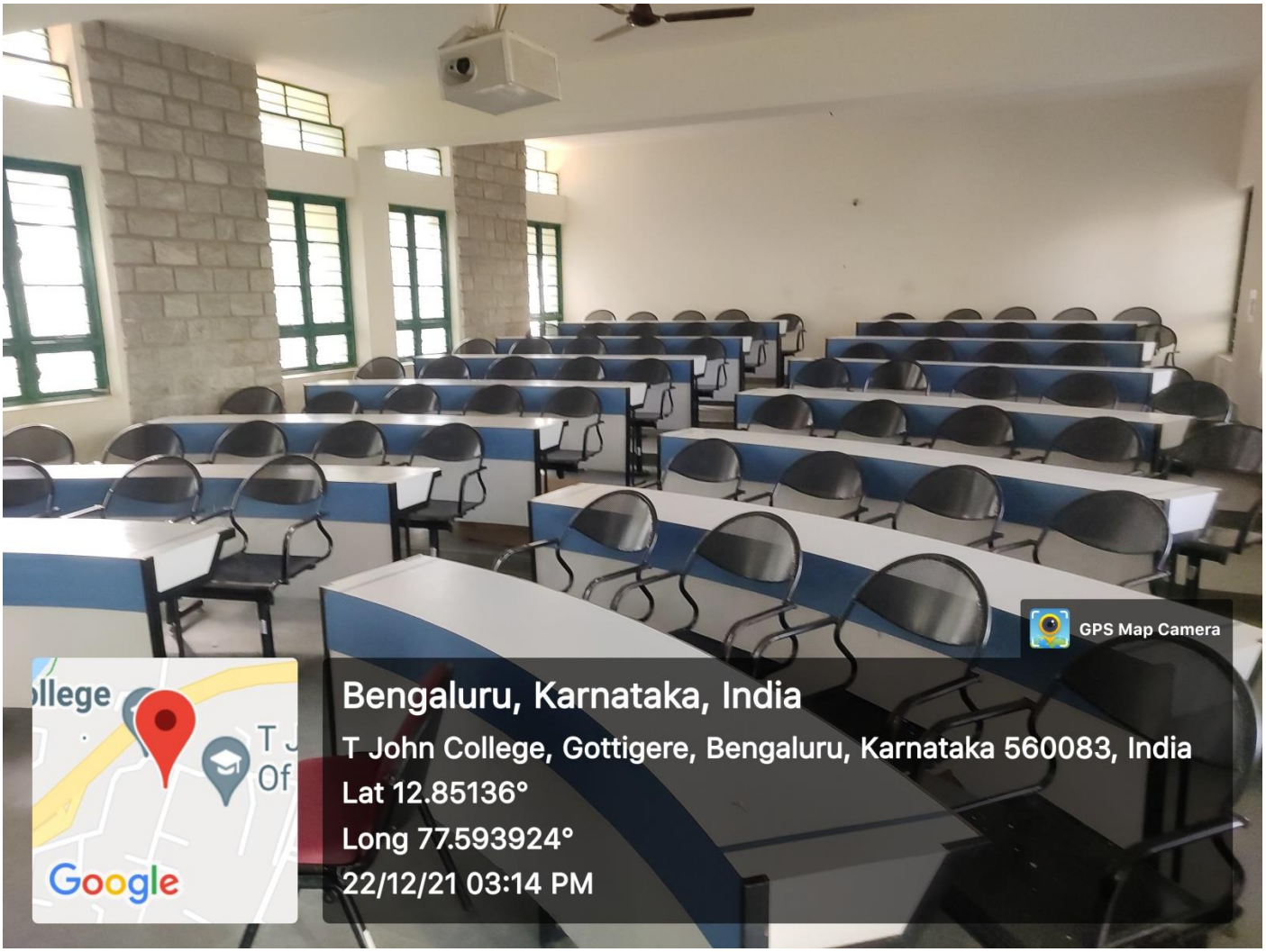
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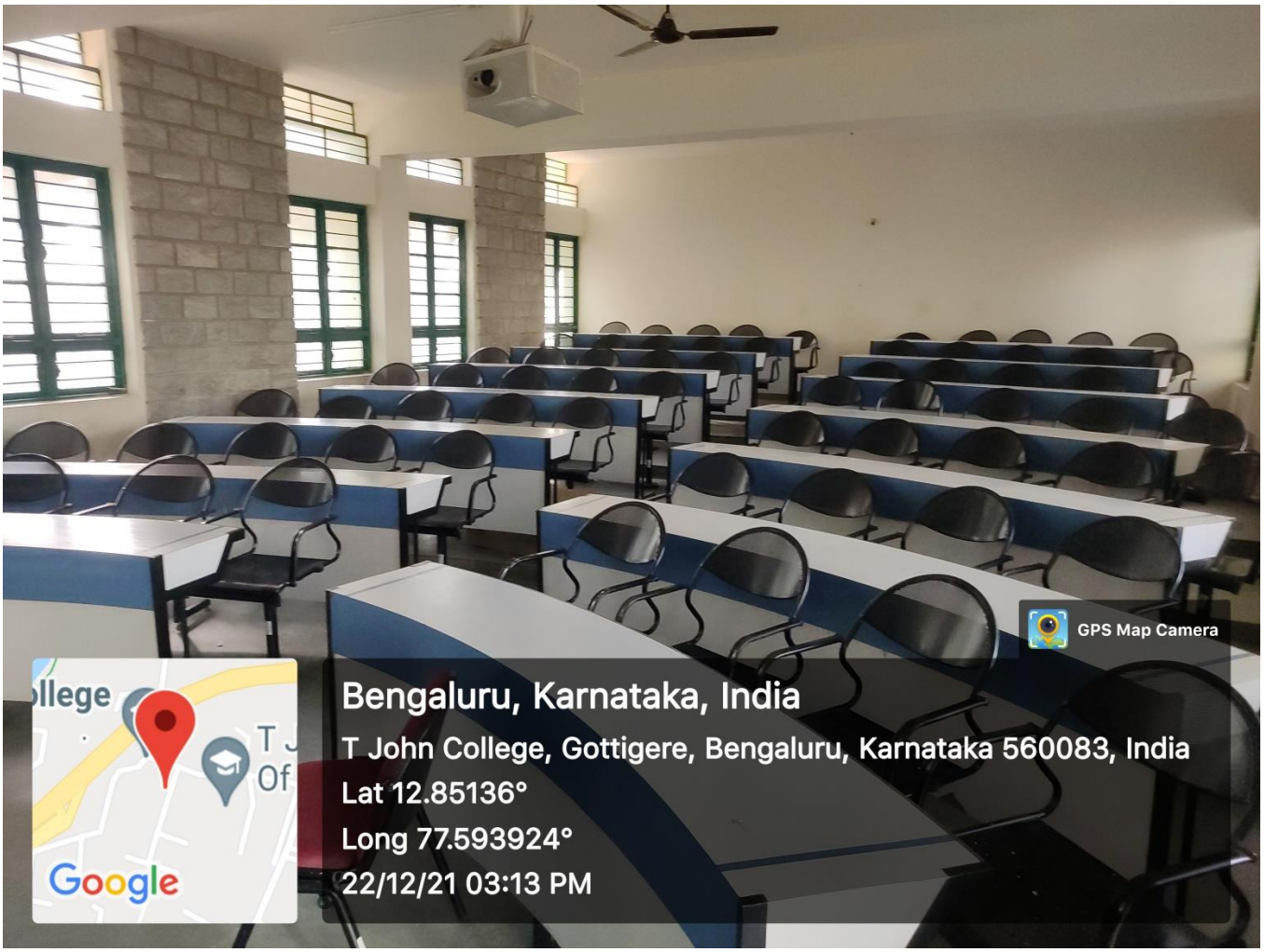
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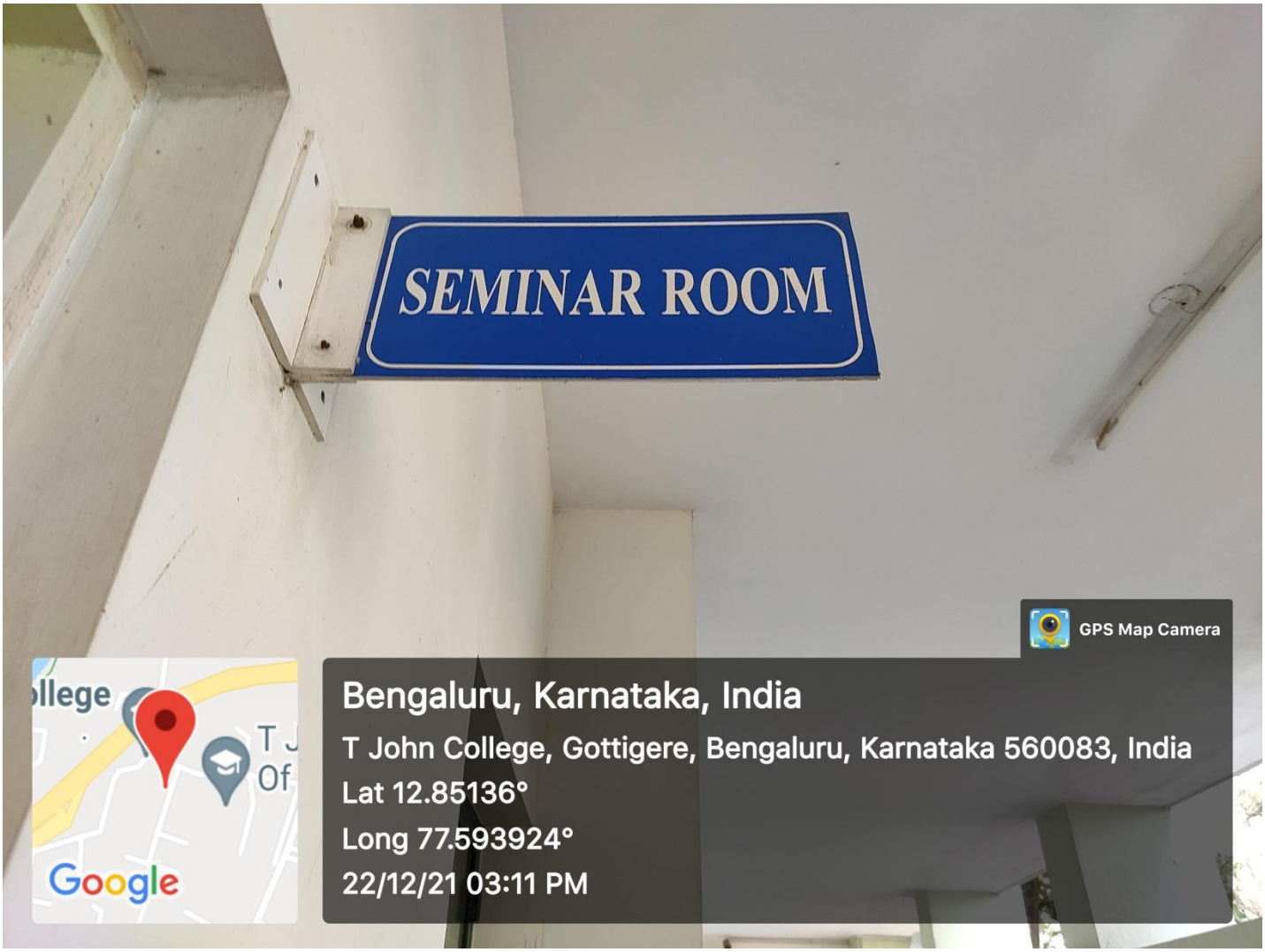
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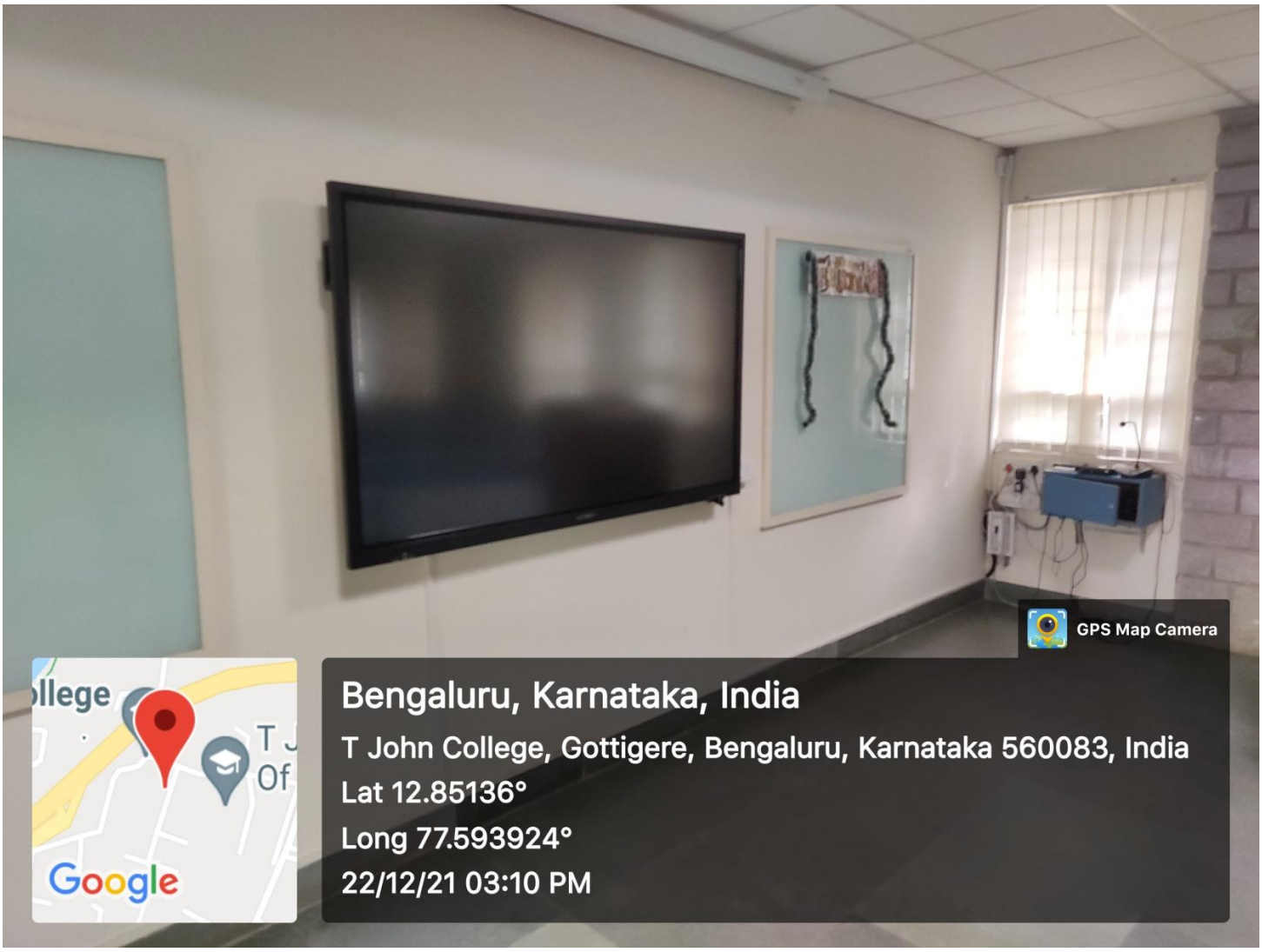
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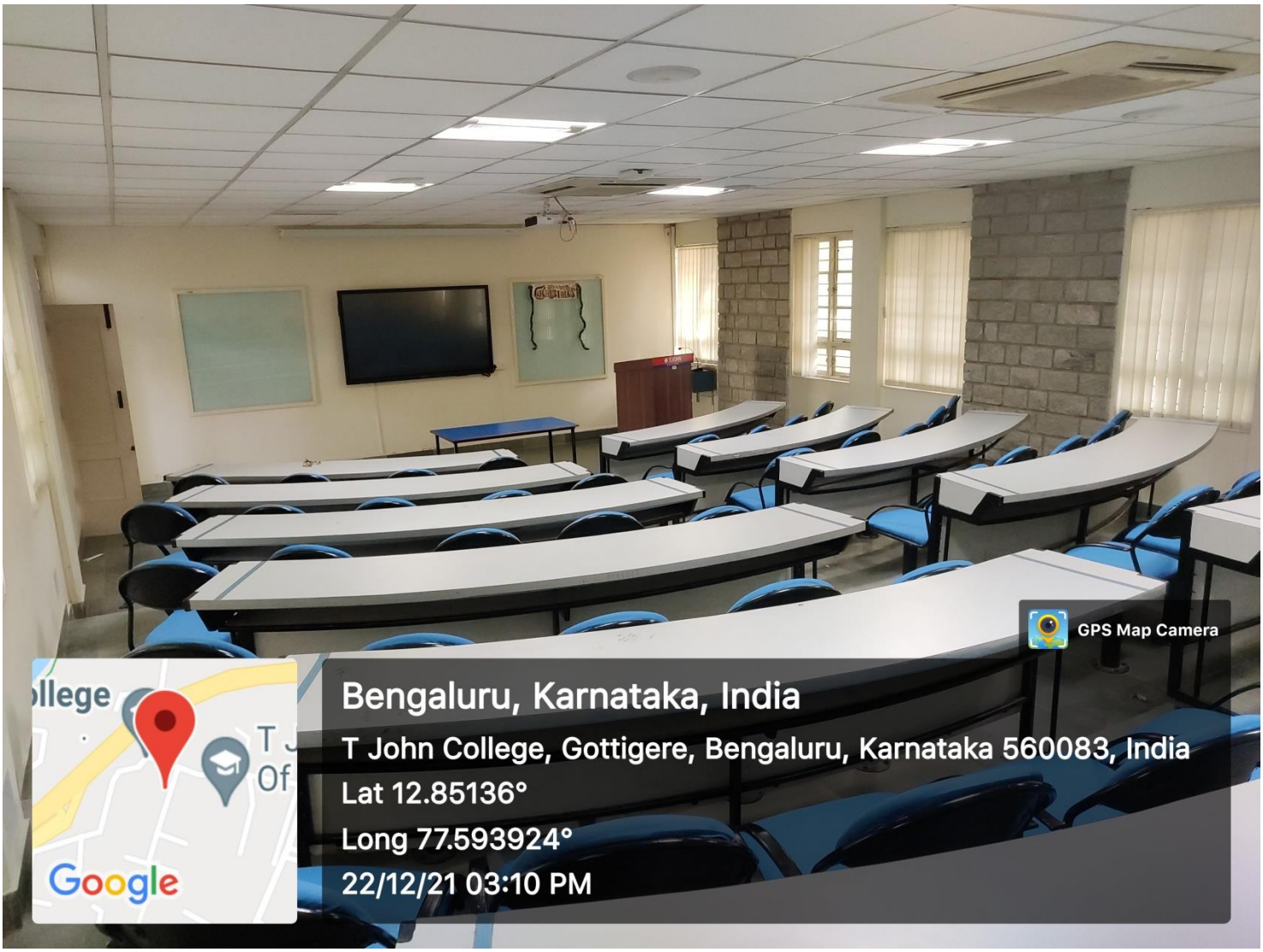
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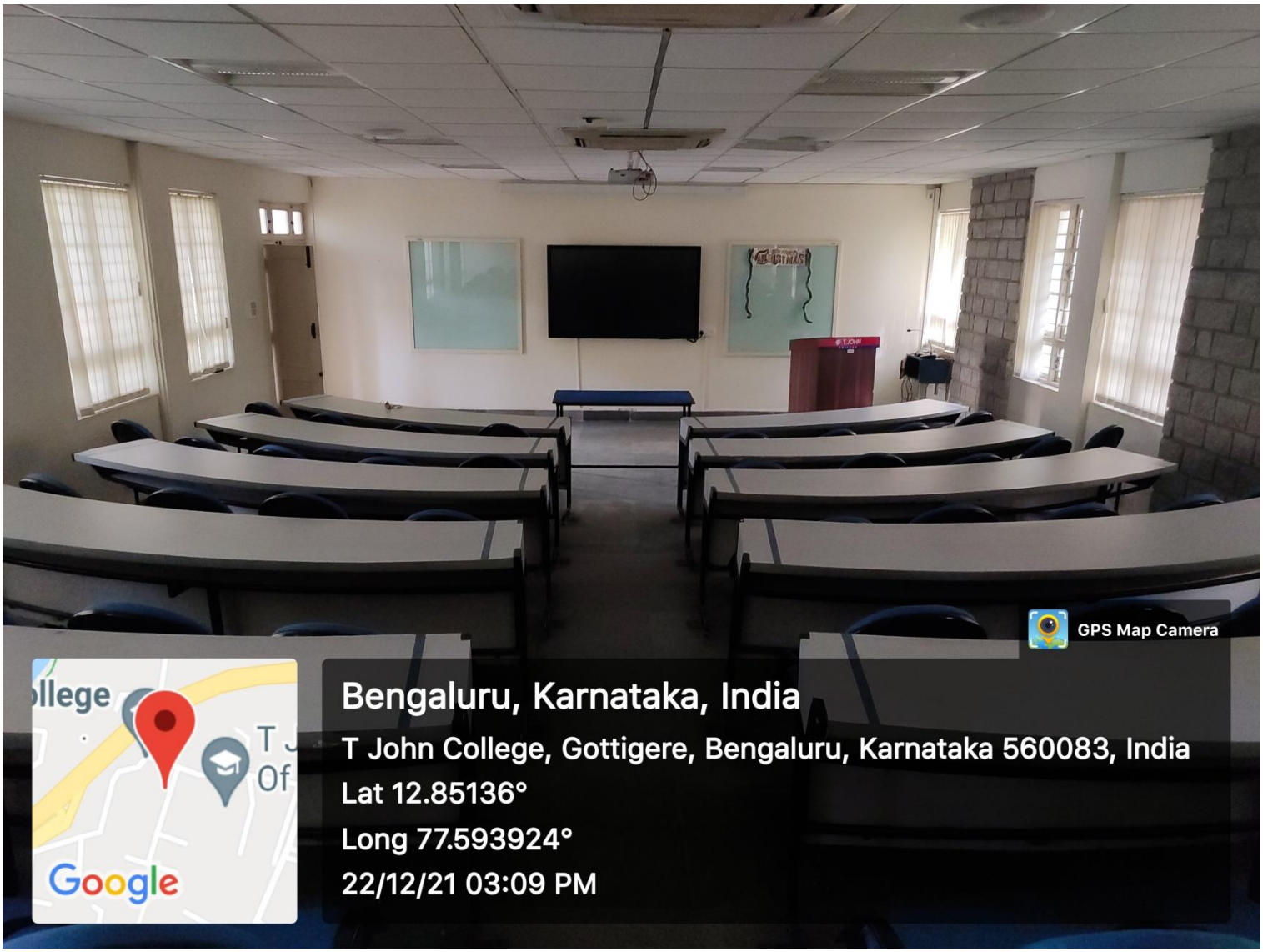
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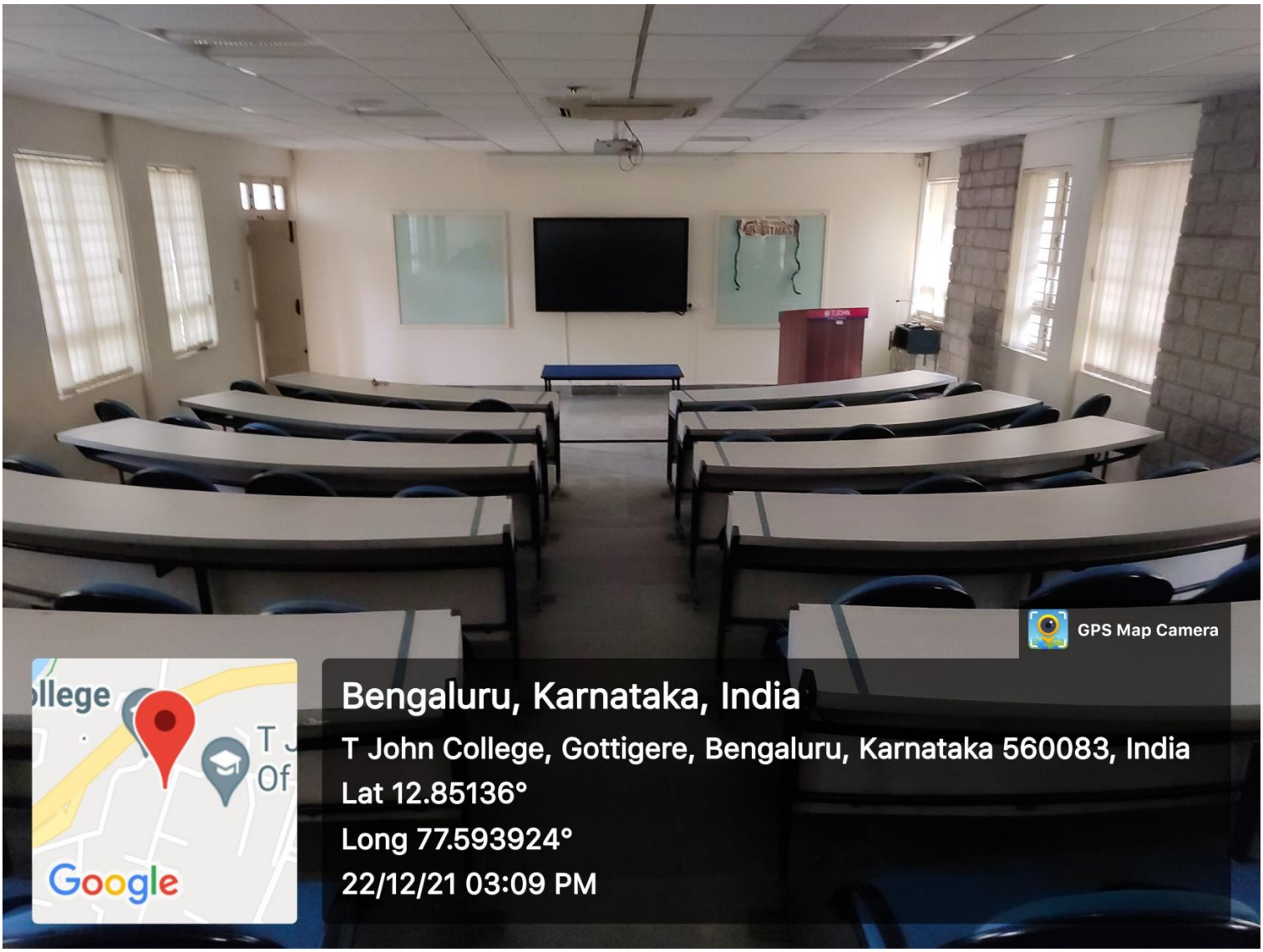
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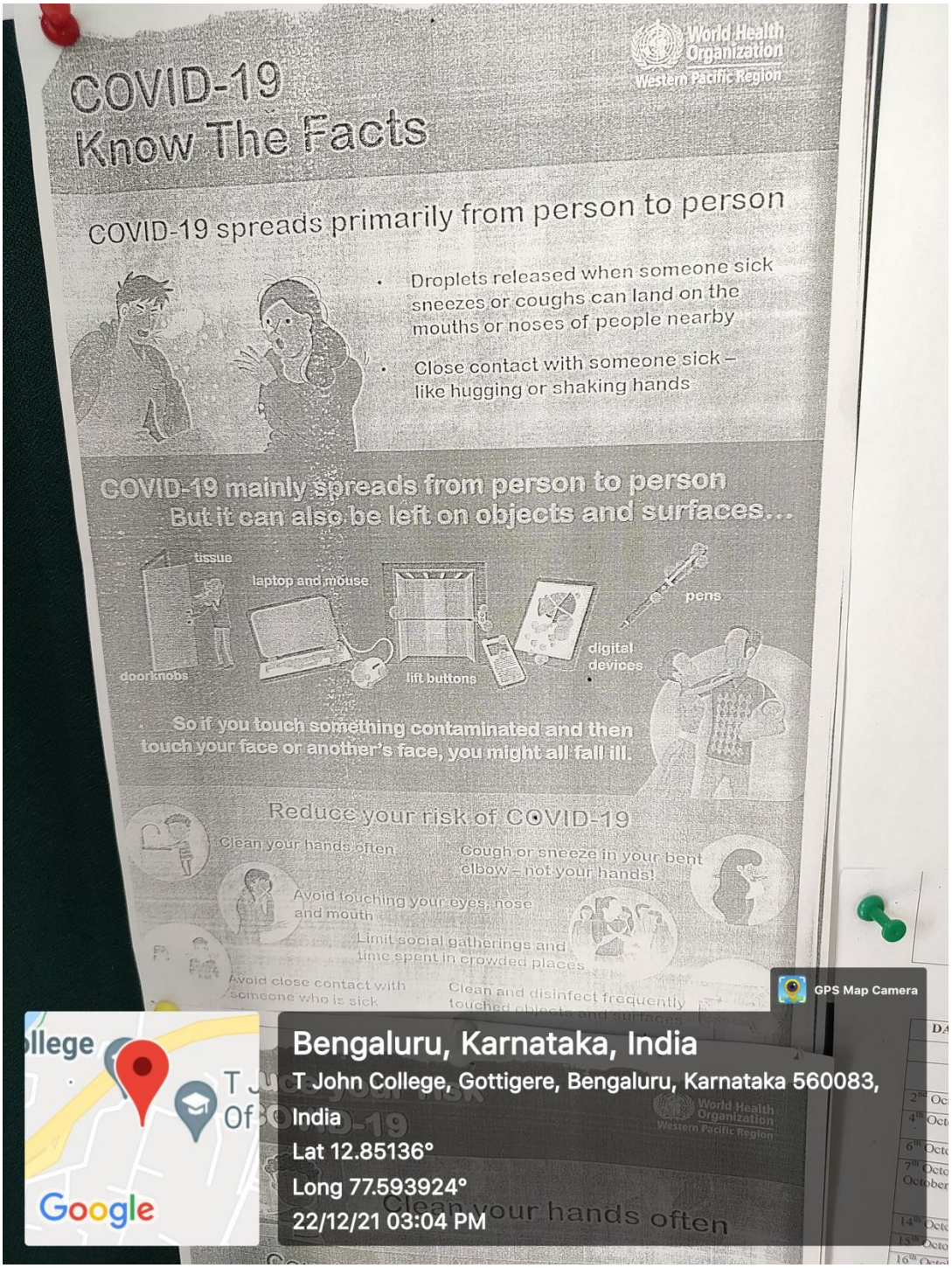
COVID-19
Know The Facts
World Health Organization
Western Pacific Region
COVID-19 spreads primarily from person to person
Droplets released when someone sick sneezes or coughs can land on the mouths or noses of people nearby
Close contact with someone sick – like hugging or shaking hands
COVID-19 mainly spreads from person to person
But it can also be left on objects and surfaces...
tissue
laptop and mouse
pens
doorknobs
lift buttons
digital devices
So if you touch something contaminated and then touch your face or another's face, you might all fall ill.
Reduce your risk of COVID-19
Clean your hands often
Cough or sneeze in your bent elbow – not your hands!
Avoid touching your eyes, nose and mouth
Limit social gatherings and time spent in crowded places
Avoid close contact with someone who is sick
Clean and disinfect frequently
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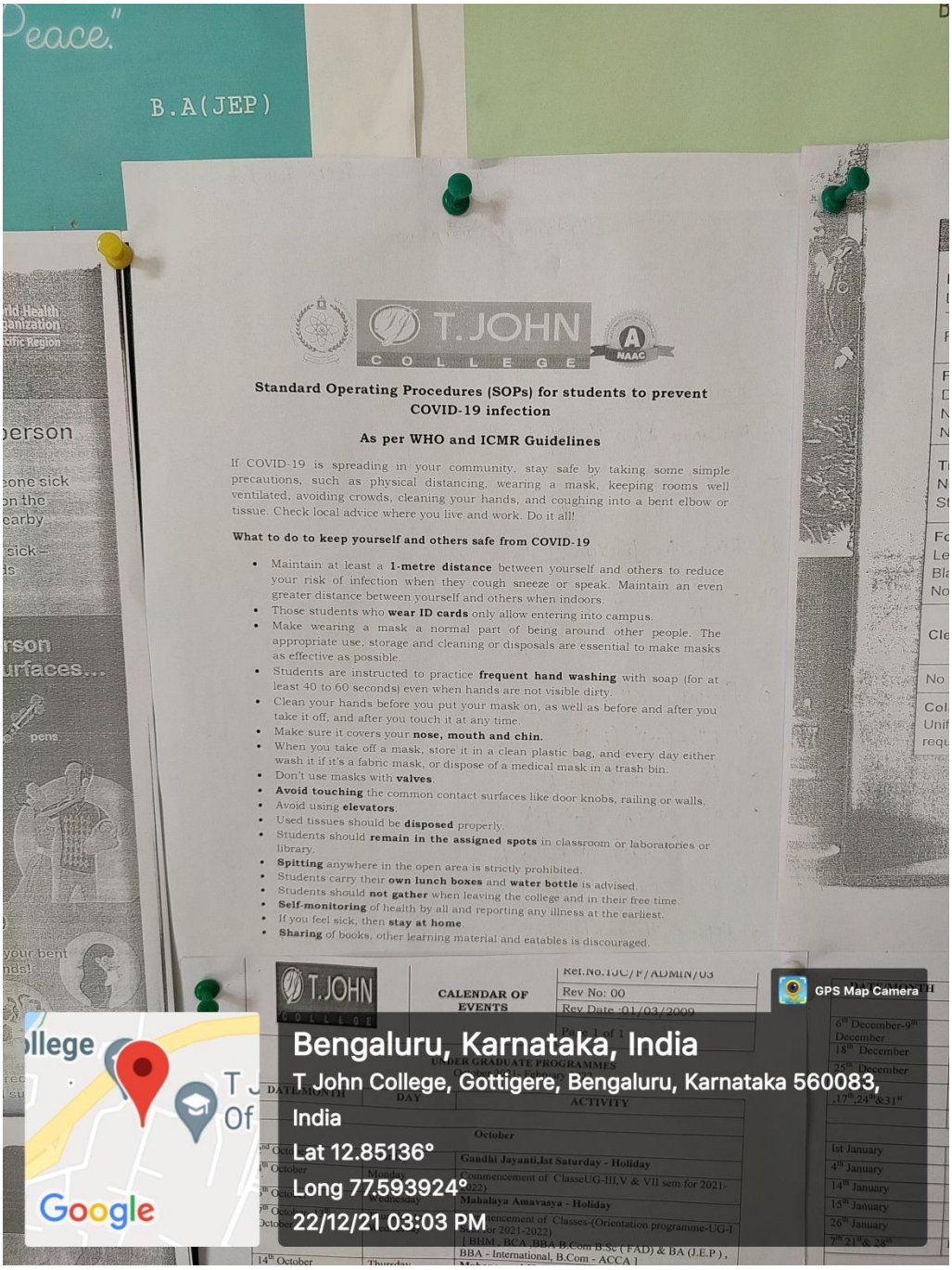
B.A(JEP)
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NAAC
Standard Operating Procedures (SOPs) for students to prevent COVID-19 infection
As per WHO and ICMR Guidelines
If COVID-19 is spreading in your community, stay safe by taking some simple precautions, such as physical distancing, wearing a mask, keeping rooms well ventilated, avoiding crowds, cleaning your hands, and coughing into a bent elbow or tissue. Check local advice where you live and work. Do it all!
What to do to keep yourself and others safe from COVID-19
Maintain at least a 1-metre distance between yourself and others to reduce your risk of infection when they cough sneeze or speak. Maintain an even greater distance between yourself and others when indoors.
Those students who wear ID cards only allow entering into campus.
Make wearing a mask a normal part of being around other people. The appropriate use, storage and cleaning or disposals are essential to make masks as effective as possible.
Students are instructed to practice frequent hand washing with soap (for at least 40 to 60 seconds) even when hands are not visible dirty.
Clean your hands before you put your mask on, as well as before and after you take it off, and after you touch it at any time.
Make sure it covers your nose, mouth and chin.
When you take off a mask, store it in a clean plastic bag, and every day either wash it if it's a fabric mask, or dispose of a medical mask in a trash bin.
Don't use masks with valves.
Avoid touching the common contact surfaces like door knobs, railing or walls.
Avoid using elevators.
Used tissues should be disposed properly.
Students should remain in the assigned spots in classroom or laboratories or library.
Spitting anywhere in the open area is strictly prohibited.
Students carry their own lunch boxes and water bottle is advised.
Students should not gather when leaving the college and in their free time.
Self-monitoring of health by all and reporting any illness at the earliest.
If you feel sick, then stay at home.
Sharing of books, other learning material and eatables is discouraged.
T.JOHN COLLEGE
CALENDAR OF EVENTS
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Rev Date :01/03/2009
UNDER GRADUATE PROGRAMMES
DATE
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October
Gandhi Jayanti,Ist Saturday - Holiday
Mahalaya Amavasya - Holiday
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