

M. S. P. Mandal's

Shivchatrapati College, Aurangabad

Report On



LANDSCAPING AT THE COLLEGE CAMPUS



Jawa
Principal
Shivchatrapati College,
Aurangabad

Report on LANDSCAPING AT THE COLLEGE CAMPUS

Introduction:

Campus greenery and beautification is essential as it provides freshness and enthusiastic environment in the minds of students and staff.


Institute has a campus developments and beautification committee constituting Dr. Rajmane S. D., Dr. Shimple L. R., Mrs. Megha Shewale, Mr. Pandurang Thengde and Mr. Ghadge U. A.

The committee looks after the development of college and providing beauty to the college campus through planting trees and plants at the campus.

Healthy plants increase fertility of the soil.

The institute has planted flowering and ornamental trees and plants. The institute has planted maximum tree and plants in a minimum area.





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LIST OF PROMINENT PLANTS IN CAMPUS

Sr. No.	Botanical Name	Common Name	Number of plants / trees
1	<i>Acalypha wilkesiana</i>	Copperleaf	6
2	<i>Alstonia scholaris</i>	Saptaparni	12
3	<i>Alternanthera bettzickiana</i>	Green Hedge	2
4	<i>Annona squamosa</i>	Sitafal	3
5	<i>Bryophyllum pinnatum</i>	Panphuti	4
6	<i>Azadirachta indica</i>	Neem	9
7	<i>Canna indica</i>	Indian shot	8
8	<i>Catharanthus</i>	Sadafuli	3
9	<i>Codiaeum variegatum</i>	Croton	3
10	<i>Combretum indicum</i>	Madhumalti	1
11	<i>Hymenocallis littoralis</i>	Spider lily	1
12	<i>Cynodon dactylon</i>	Harali	
13	<i>Cycas circinalis</i>	Cycas	4
14	<i>Dalbergia sissoo</i>	Shisham	2
15	<i>Duranta erecta</i>	Neelkanth	
17	<i>Ficus microcarpa</i>	Kamarup	1
18	<i>Ficus racemosa</i>	Umbar	2
19	<i>Gliricidia sepium</i>	Giripuspa	2
20	<i>Ixora coccinea</i>	Rugmini	2
21	<i>Leucaena leucocephala</i>	Subabul	2
22	<i>Mangifera indica</i>	Mango	11
23	<i>Ocimum tenuiflorum</i>	Tulsi	10
24	<i>Peltophorum pterocarpum</i>	Sonmohar	1
25	<i>Phoenix dactylifera</i>	Date palm	1
26	<i>Plumeria alba</i>	Lal chafa	1




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27	Saraca asoca	Ashoka	19
28	Ravenala madagascariensis	Travellers tree	4
29	Arecaceae	Palm tree	9
30	Senna siamea	Kasode	1
31	Spathodea campanulata	Pichkari	3
32	Syzygium cumini	Jambul	2
33	Terminalia catappa	Desi badam	3
34	Tamarindus indica	Chinch	3
35	Aloe vera	Korphad	4
36	Argyrea nervosa	Samudra sokh	1
37	Caesalpinia Pulcherrima (L) Sw.	Shankhasur	02
38	Citrus limon	Lemon	01
39	Curcuma longa L.	Turmeric	01
40	Ficus religiosa L.	Pimpal	01
41	Hibiscus rosa-sinensis L.	Jaswand	04
42	Morus alba L.	Tutri(Tuti)	01
43	Punica granatum L.	Pomegranate (Dalimb)	01
44	Terminalia bellirica	Baheda	01
45	Terminalia arjuan	Arjun	01
46	Terminalia chebula Retz.	Hirada	01
47	Tradescantia spathacea	ChotaRoheo	02
48	Thunbergia erecta T. Anderson	(MeyeniaErecta Mini)	01
49	ChrysopogonzizanioidesL. Roberty	ValaGavat	
50	Tectona grandis L.	Teak (Sagwan Tree)	01
51	Drypetesroxburghiihurus	Putranjiva	01
52	Mimusopselengi	Maulsari (Bakul)	01
53	Hamelia patens jacq	Chota Hamelia	01



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54	<i>Murraya koenigii</i>	Kadipatta	01
55	<i>Mimosa pudica</i> Linn	Lajalu	01
56	<i>Justicia adhatoda</i> L.	Malabar nut (Adulsa)	01
57	<i>Nerium indicum</i>	Kaner	01
58	<i>Lawsoniainermis</i> L.	Henna	01
59	<i>Phoenix roebelenii</i>	Pigmy date palm	01
60	<i>Phyllanthus emblica</i>	Gooseberry	01
61	<i>Araucaria Columnaris</i>	Christmas Tree	01
62	<i>Hydrilla</i>	Hydrilla	01
63	<i>Zamioculcas</i>	Zuzu Plant	02
64	<i>Abutilon ranadei</i>	Ghanti Ful	04
65	<i>Russelia equisetiformis</i>	Firecracker Plant	
66	<i>Mirabilis Jalapa</i>	Four O Clock	02
67	<i>Tagetes</i>	Zendu	10
68	<i>Barleria Prionitis</i>	Katekuranti	15
69	<i>clitoria ternatea</i>	Gokarna	15
70	<i>Polianthes Tuberosa</i>	Nishighandha	03
71	<i>Portulaca Grandiflora</i>	Moss Rose	04
72	<i>Plumbago zeylanica</i>	Chitrak	10
73	<i>Thuja occidentalis</i>	Thuja	02
74	<i>Lagerstroemia speciosa</i>	Taman	01
75	Rose	Gulab	15
76	<i>Plumeria</i>	Chafa	02
77	<i>Callistemon</i>	Bottle Brush	02
78	<i>Euphorbia pulcherrima</i> Klotzsch	Poinsettia	01
79	<i>Casuarina equisetifolia</i> L	Saru Plant	01
80	<i>Ficus elastica</i> Roxb. ex. Hornem	Rubber Plant	01
81	<i>Allamanda Cathartica</i> L	Yellow allamanda	



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82	Hymenocallis Littoralis Jacq	Beach spider lily	06
83	Cymbopogon Schoenanthus Spreng	Lemongrass	02
84	Mentha piperita L	Peppermint	01
85	Cuphea hyssopifolia Kunth	Cuphea	05
86	Asparagus racemosus wild	Shatavari	01
87	Zea mays L.	Maka	04
88	Cajanus Cajan L.	Tur	01
89	Gardeniajasminoides J. elis	Cape jasmiin	01
90	Plectranthus amboinicus spreng	Maxican mint	01
91	Allium vineale L.	Wild garlic	01
92	Acorus calamus L	Wehand	01
93	Plectranthus barbatus Andrews	Pashanbhede	01
94	Acorus calamus	Wekhand	01
95	Madhuca longifolia	Pasahambhede	01
96	Dieffenbachia	Drumbcane	02
97	Euphorbia milii	christplant	02
98	Dracaena Reflexa	Plemele	01
99	Dypsis lutescens	Canepalm	04
100	Dracaena draco	Red Dragon Tree	03
101	Colossian Esculementa Schott	Elephant Ear	03



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Practice at the institution:

Landscaping with tree and plants is a key component of ecosystem. It helps to convert solar energy into the biomass and different forms in the food chains. It also helps in nitrogen fixation in the soil and involved in regulation of various biogeochemical cycles, e.g., water, carbon, nitrogen and thus affects soil development generally contributing to a more productive soil. Plants produce oxygen which is essential life on the earth's surface.

Deep soils on unconsolidated materials show slow rates of degradation and loss of their biomass production potential. Landscaping with tree and plants helps to influence energy balance at the earth's surface and within the atmospheric boundary layer.

Landscaping provides direct and indirect benefits like watershed protection, socioeconomic products and services for humans.


Landscaping gives spiritual and cultural experiences to people.

Soil and vegetation survey data from the campus indicate that the percentage plant cover was greatly affected by the soil depth in the various dimensions.

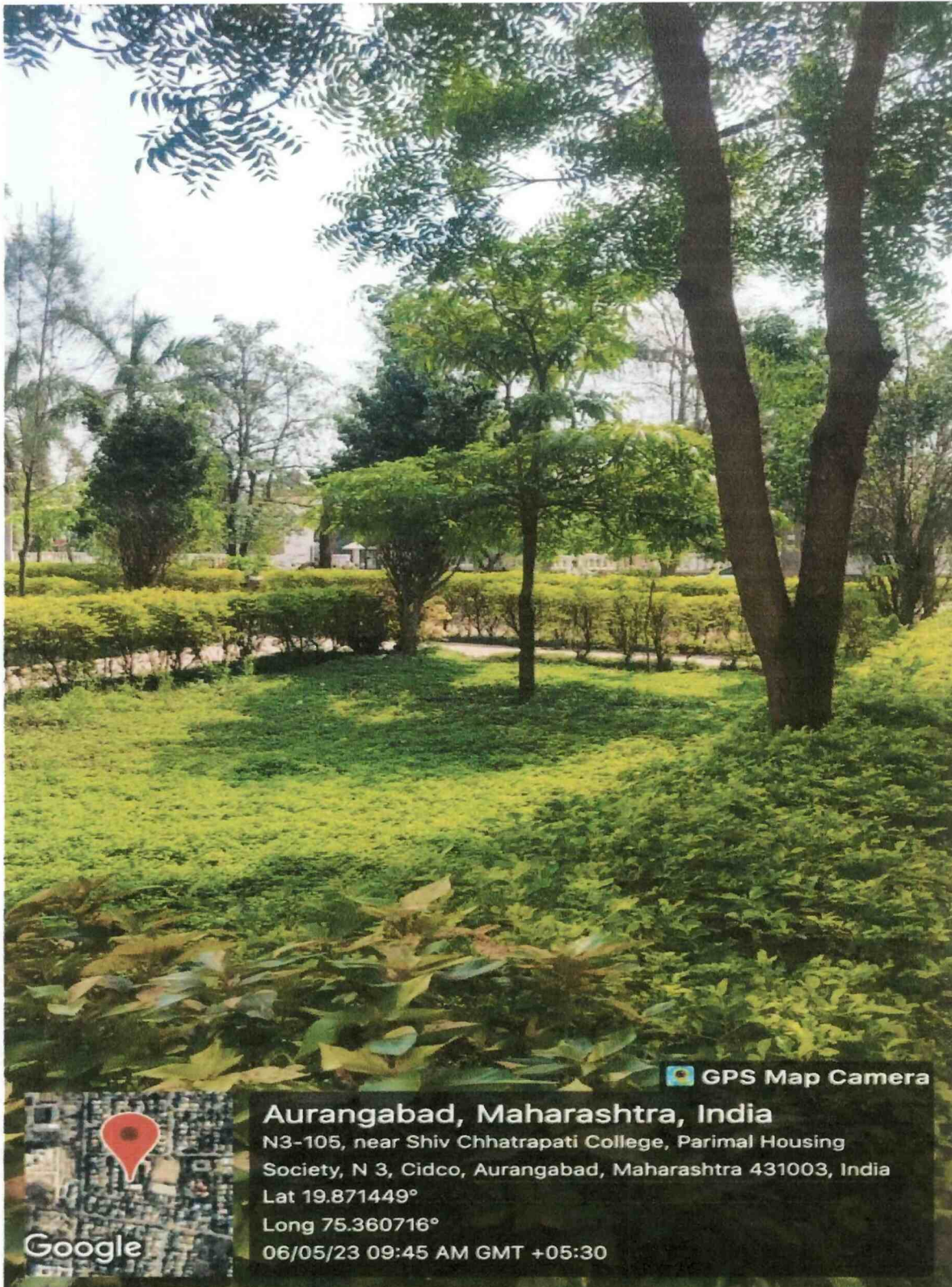
Vegetation cover increased with increasing soil depth and decreasing longevity of drought. Soil erosion measurements conducted various regions showed that soil erosion rates for bare soils ranged from 0 to 3720 g m⁻² h⁻¹, while the densely vegetated soils show controlled runoff and erosion. Critical landscape design gets maximum use of limited area and protects and restores native vegetation.

M. S. P. Mandal's Shivchhatrapati College, Aurangabad has a green campus landscaped with trees & plants.

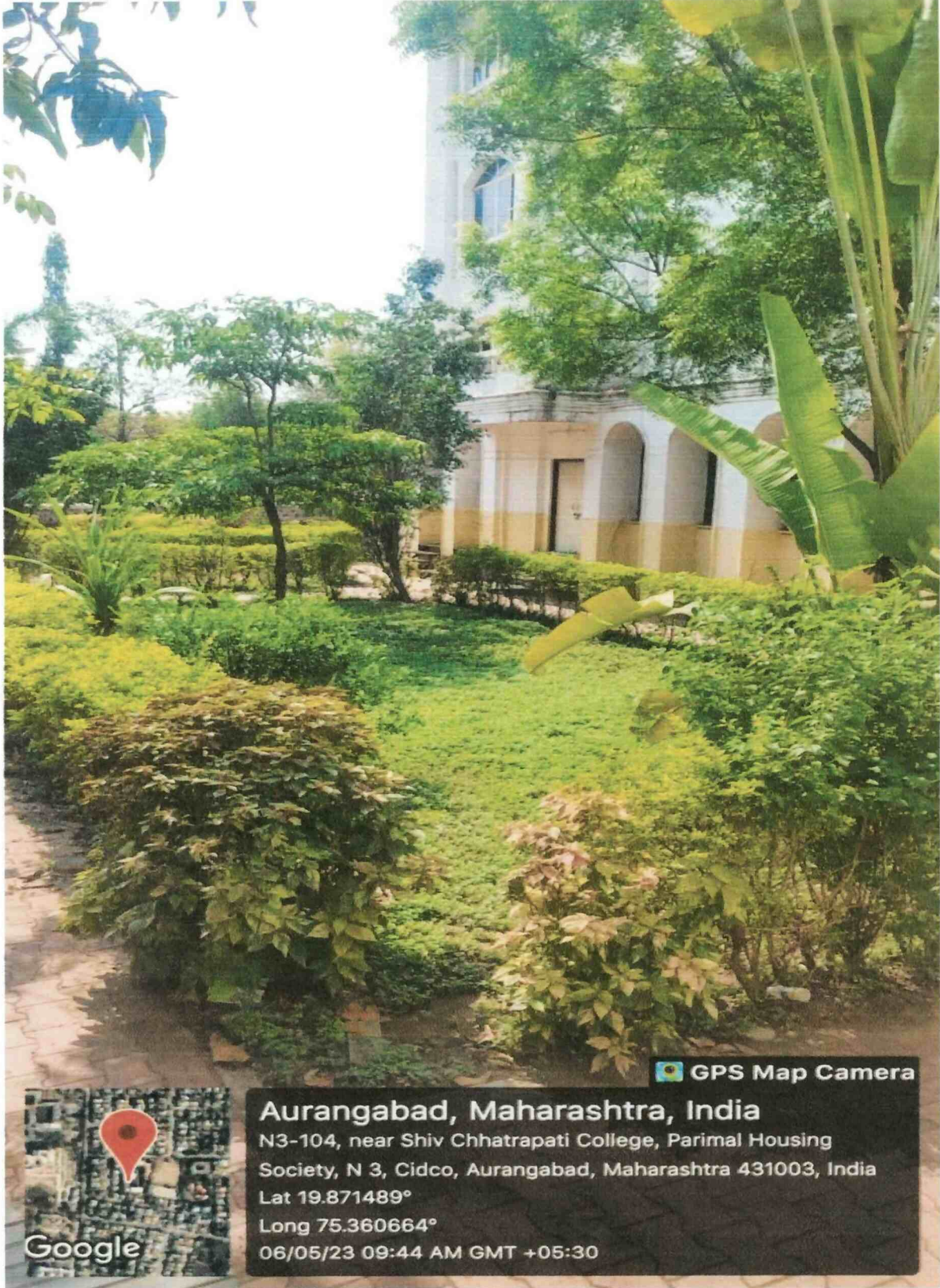



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Photographs:



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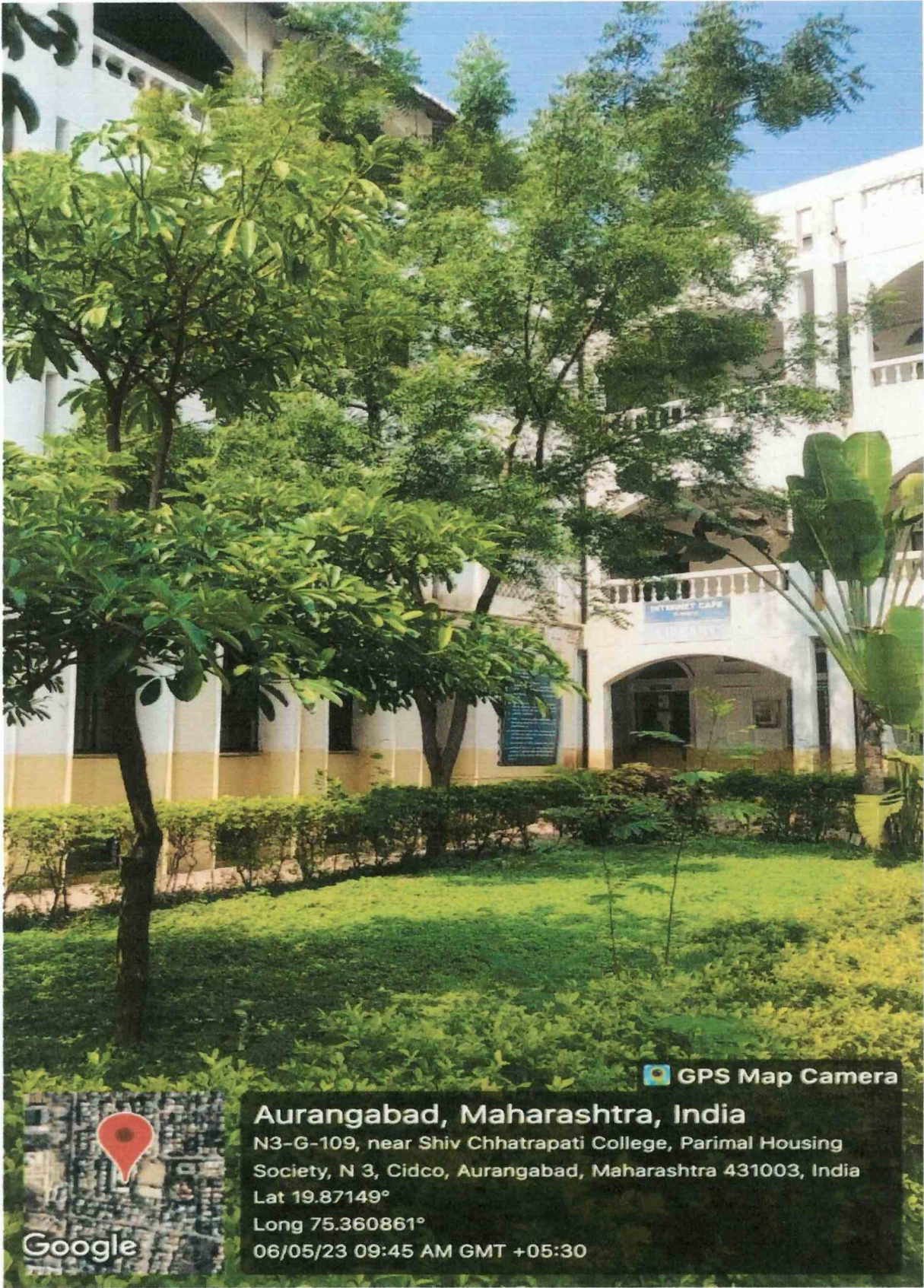
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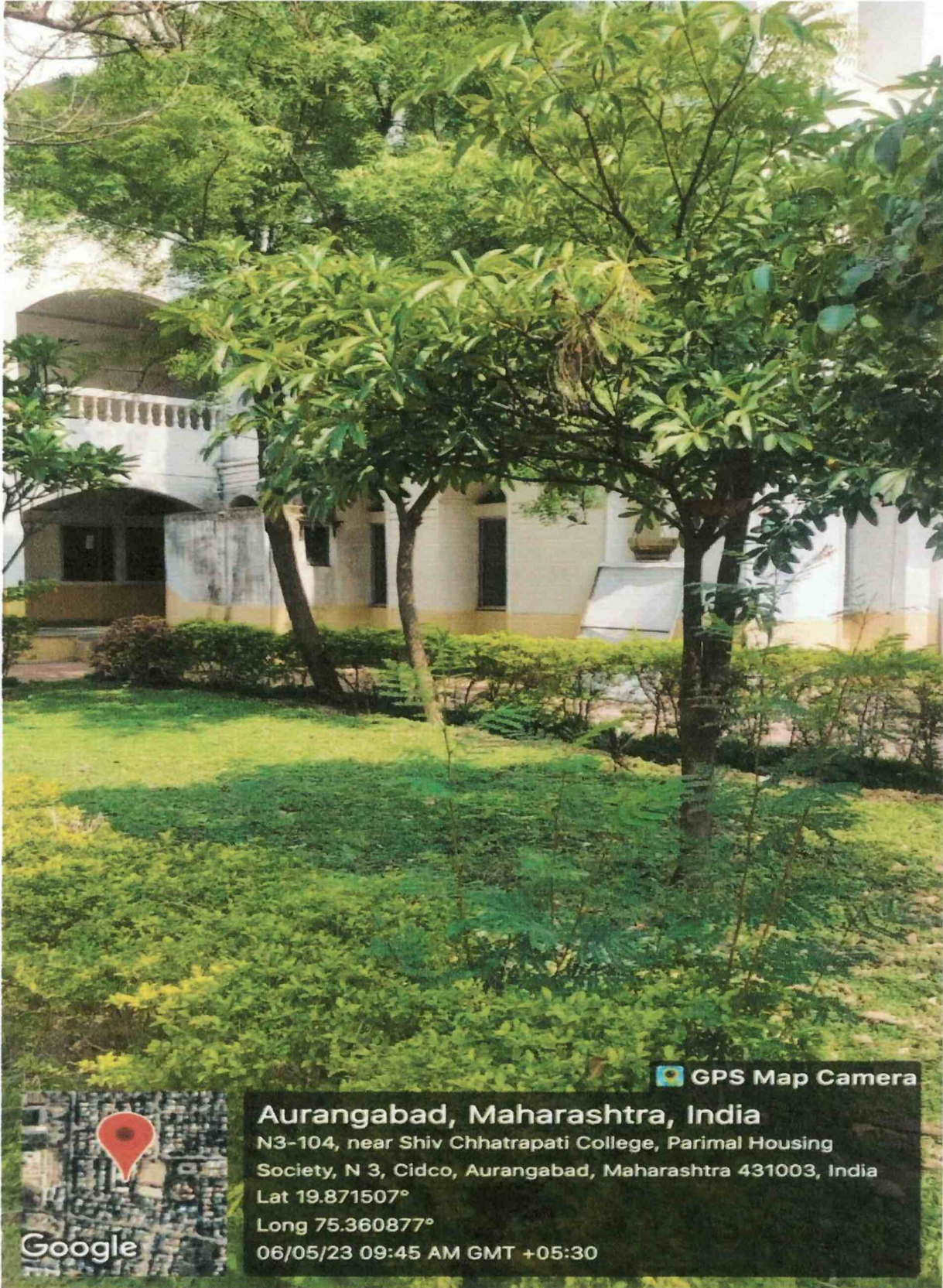
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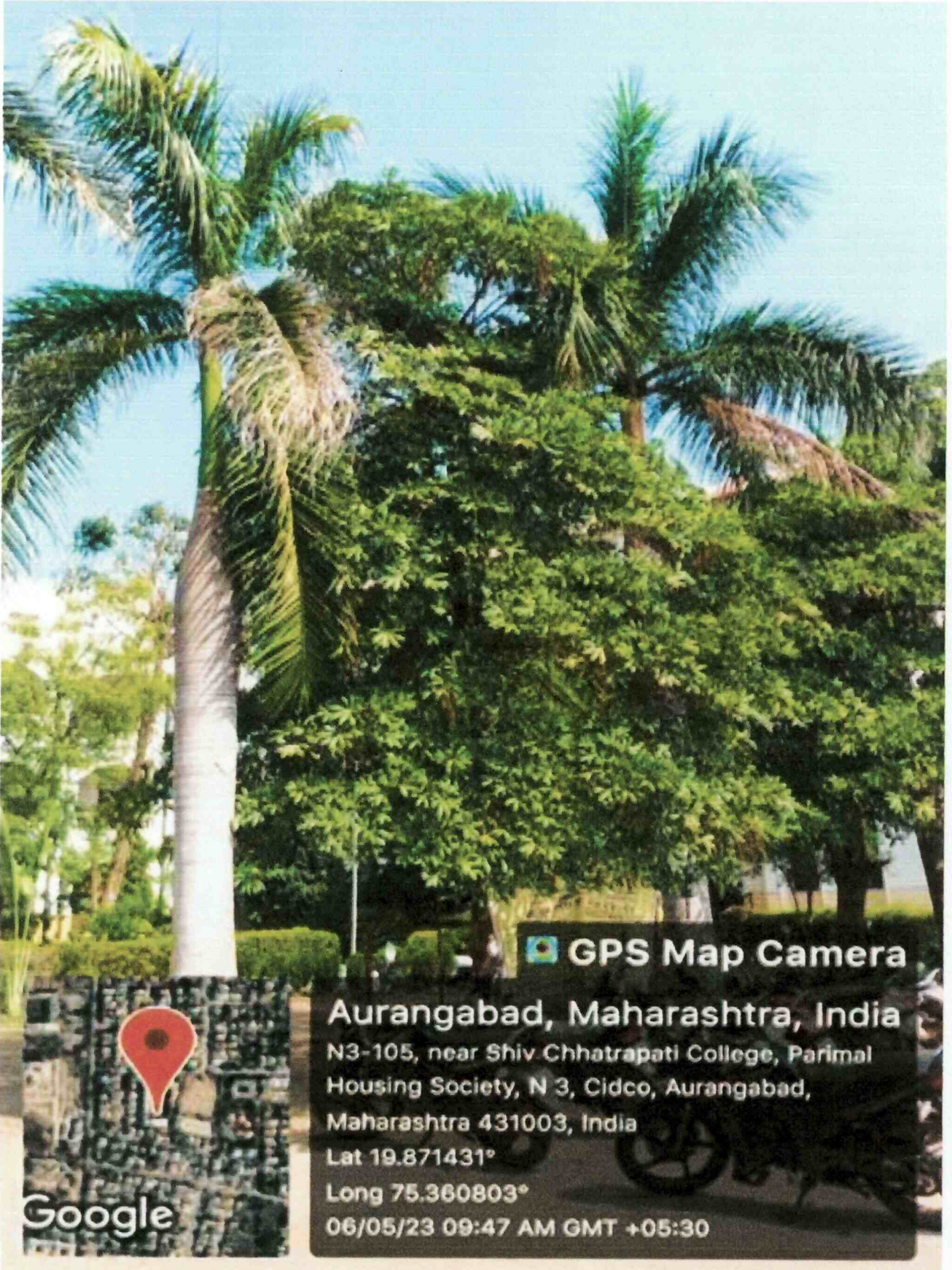
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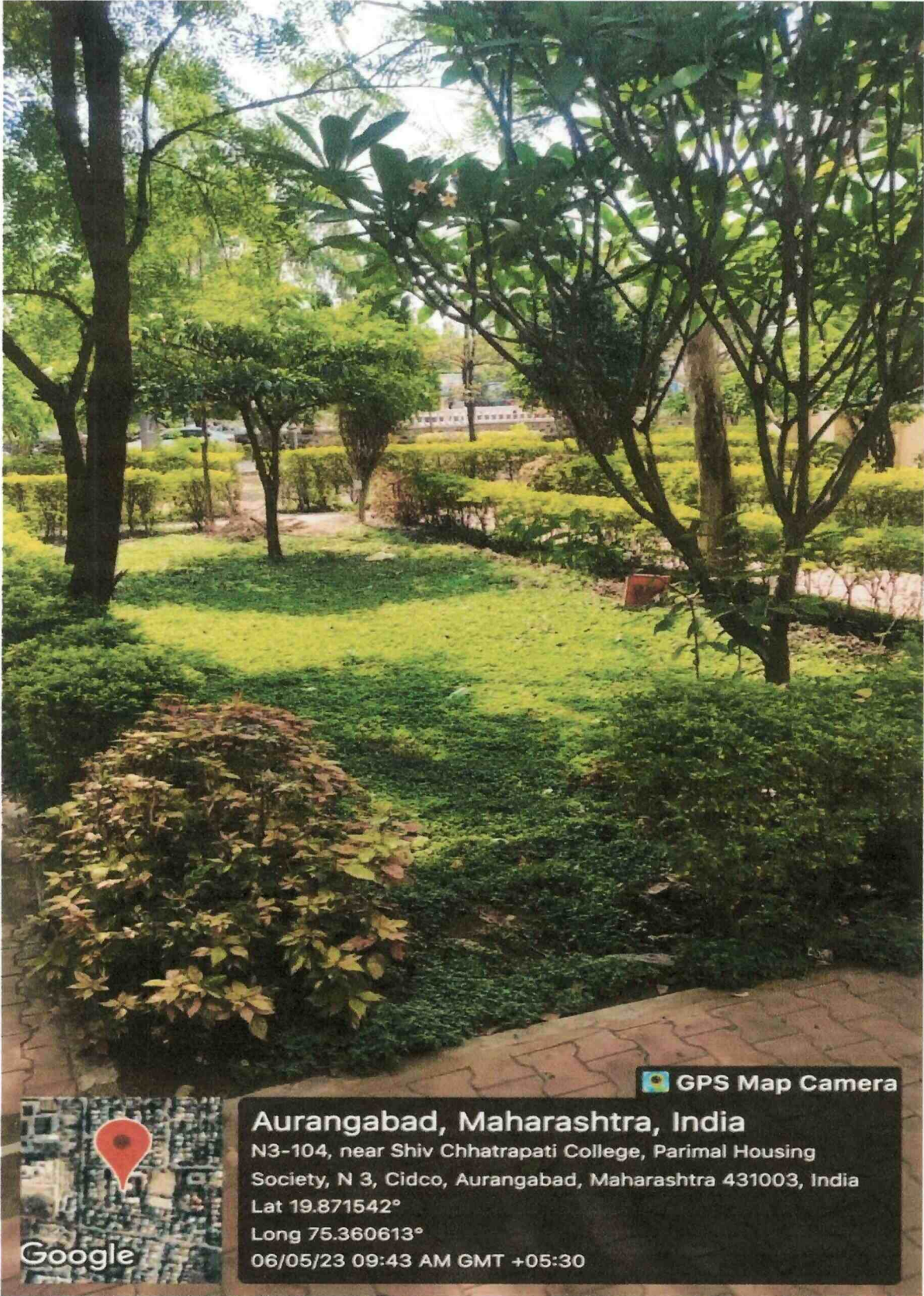
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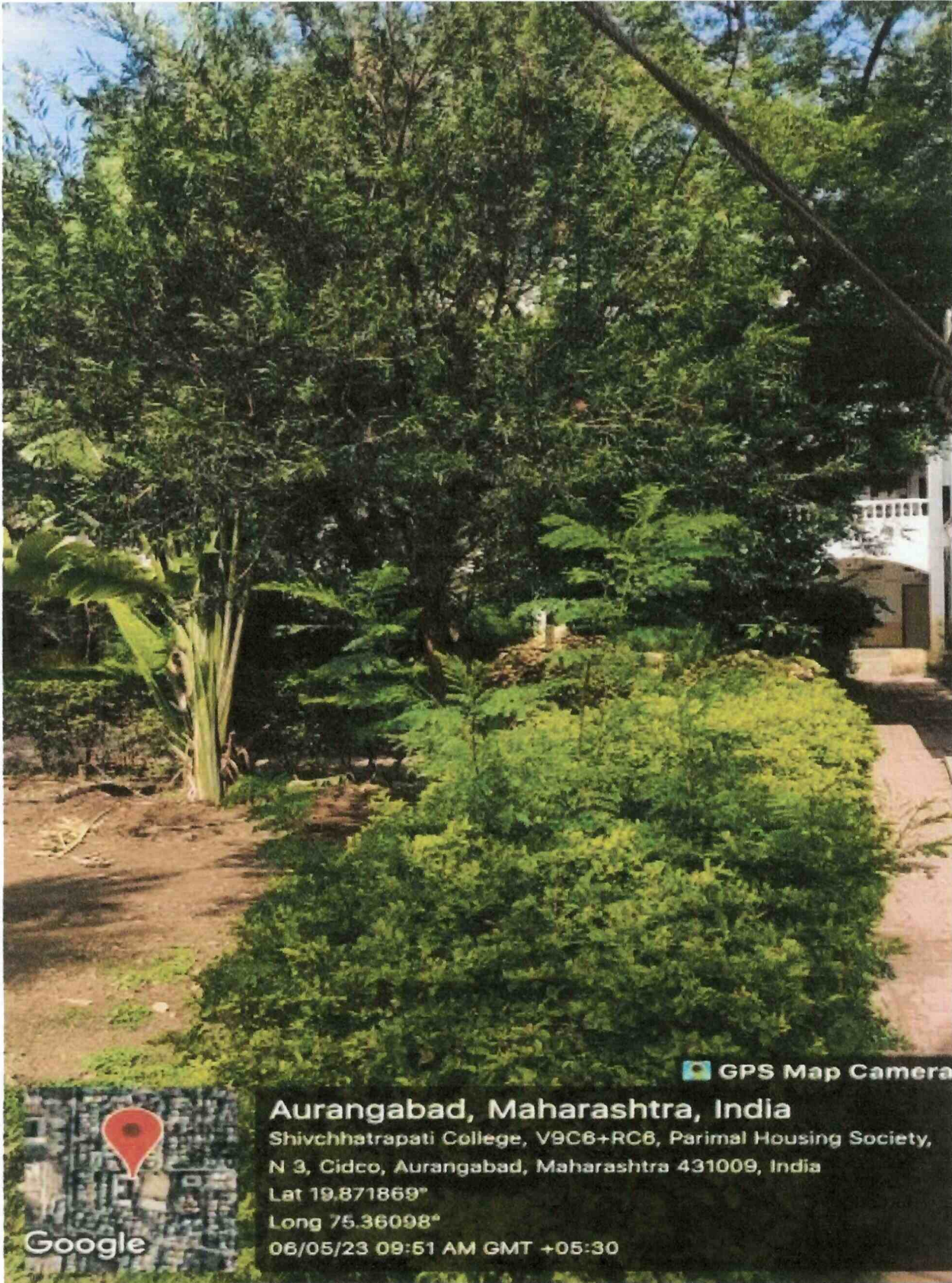
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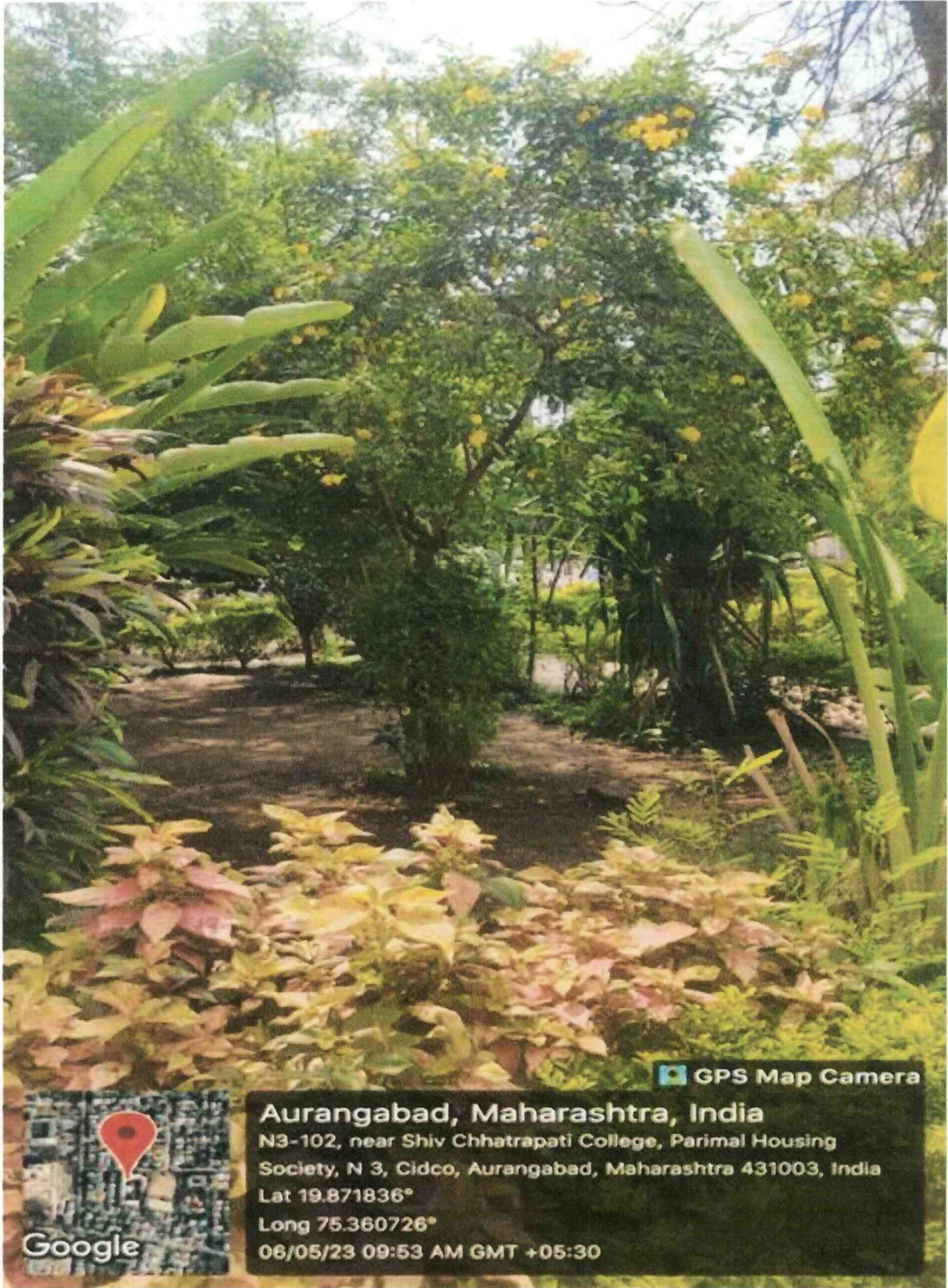
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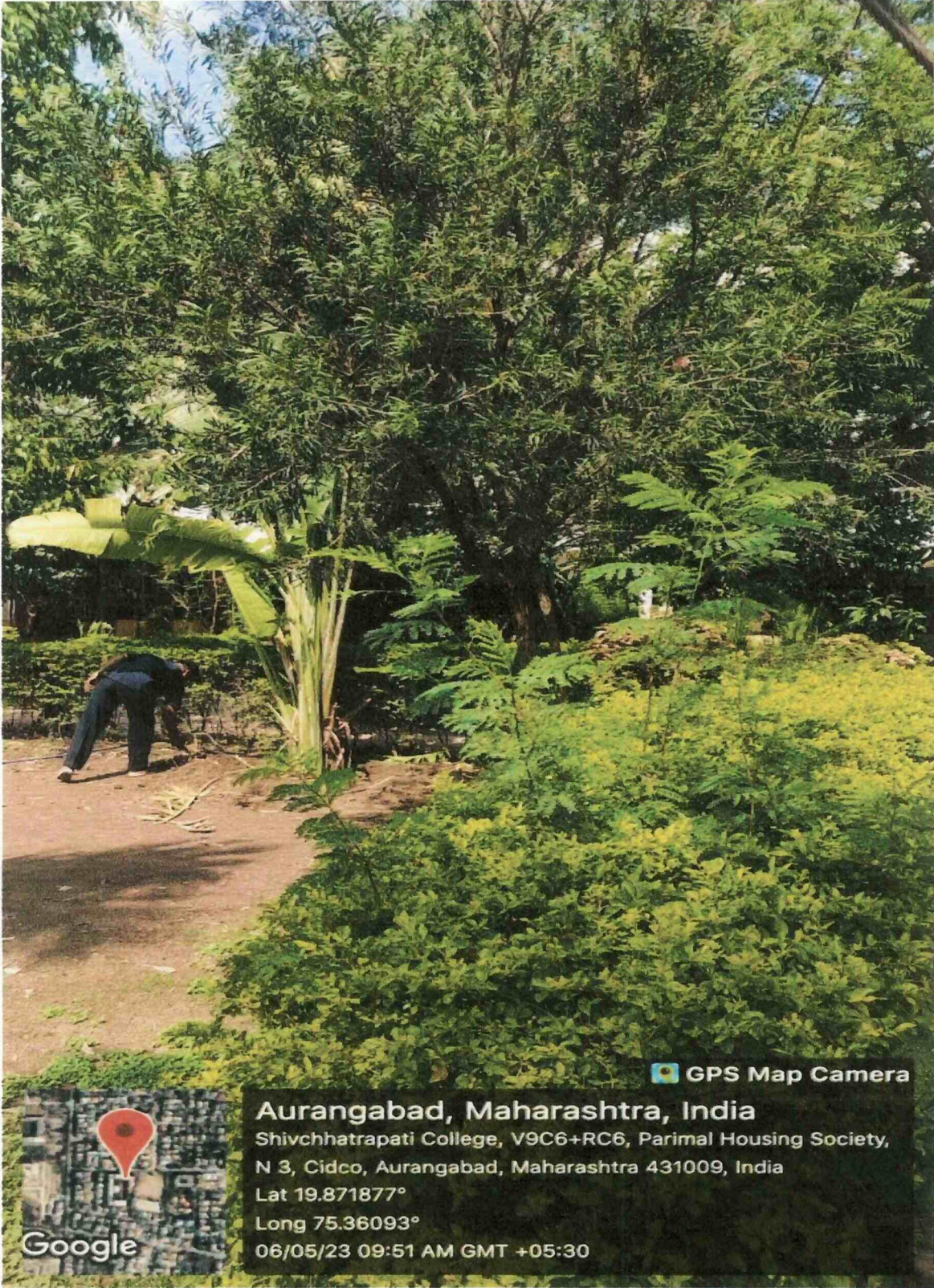
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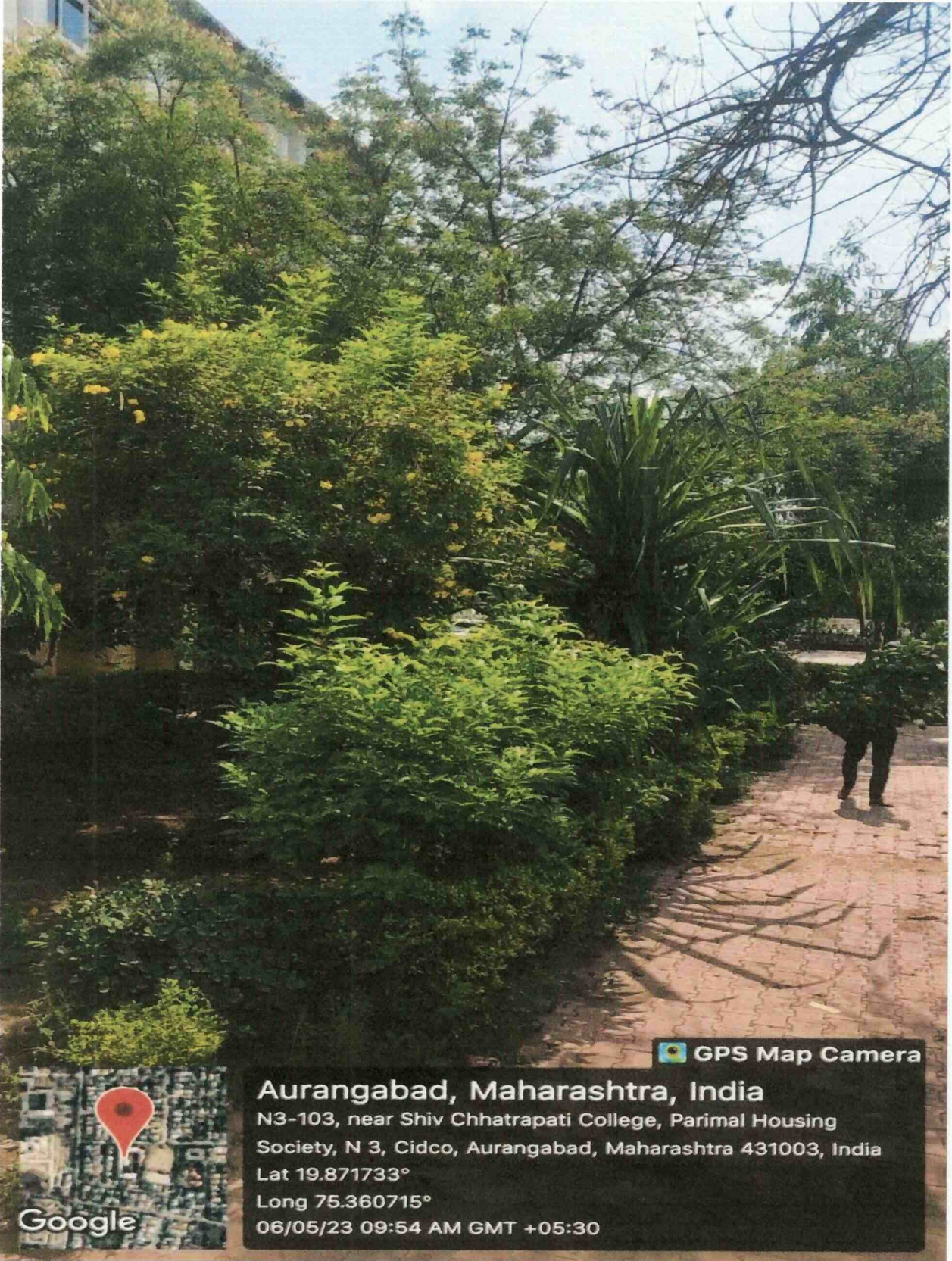
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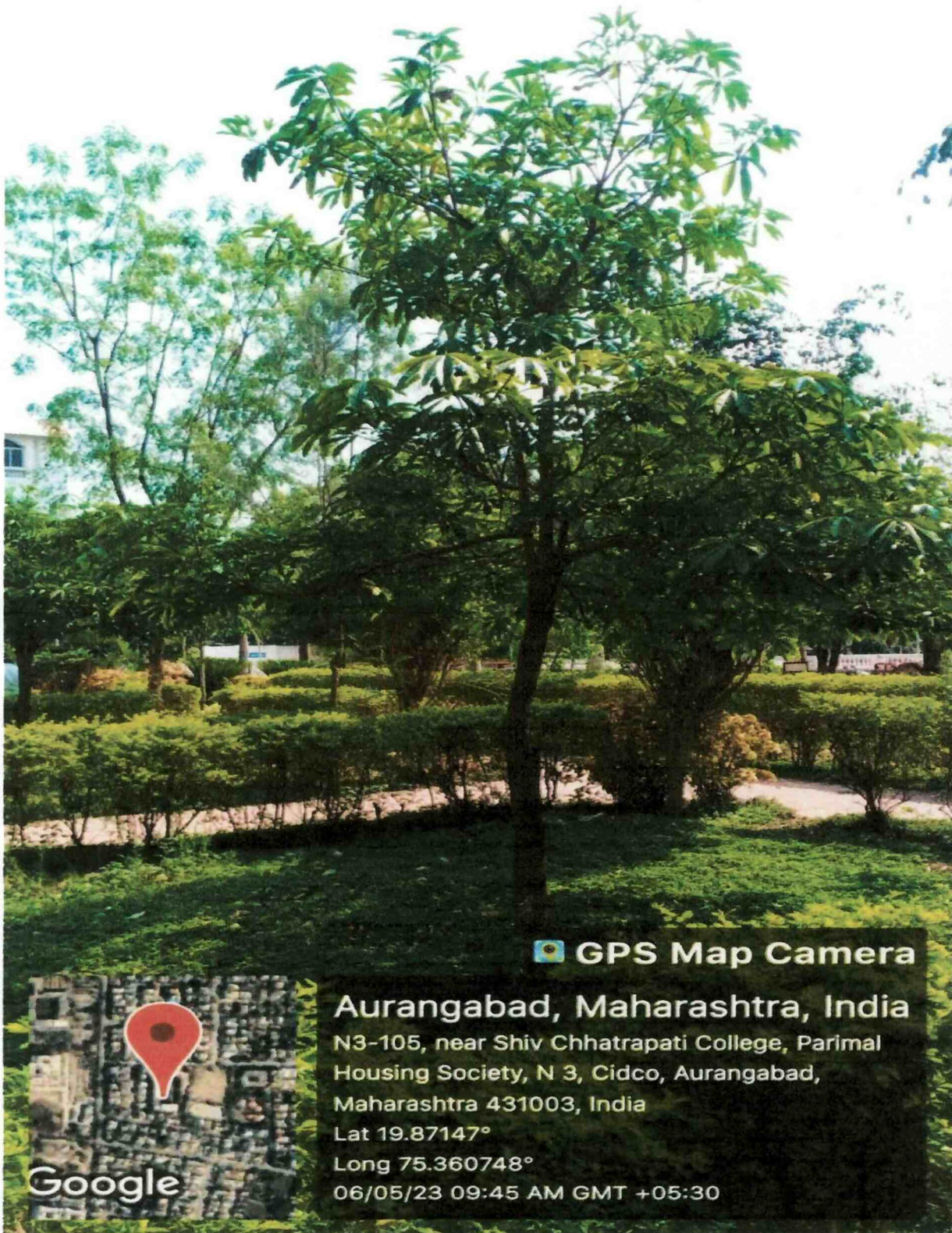
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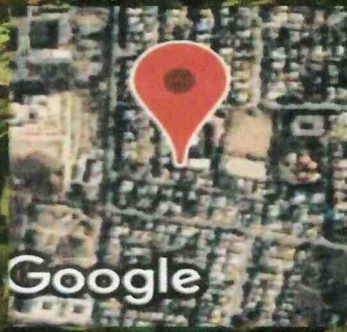
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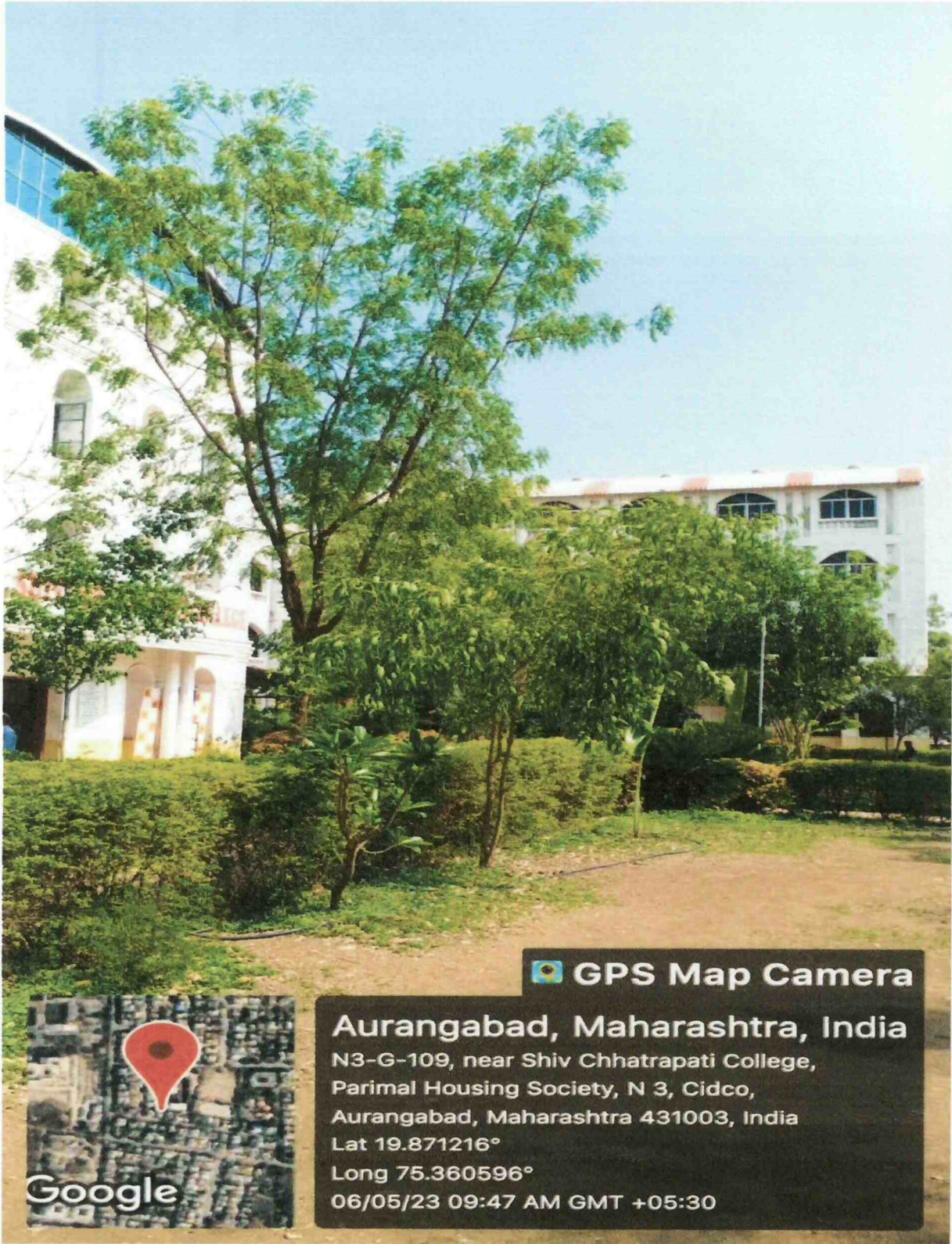
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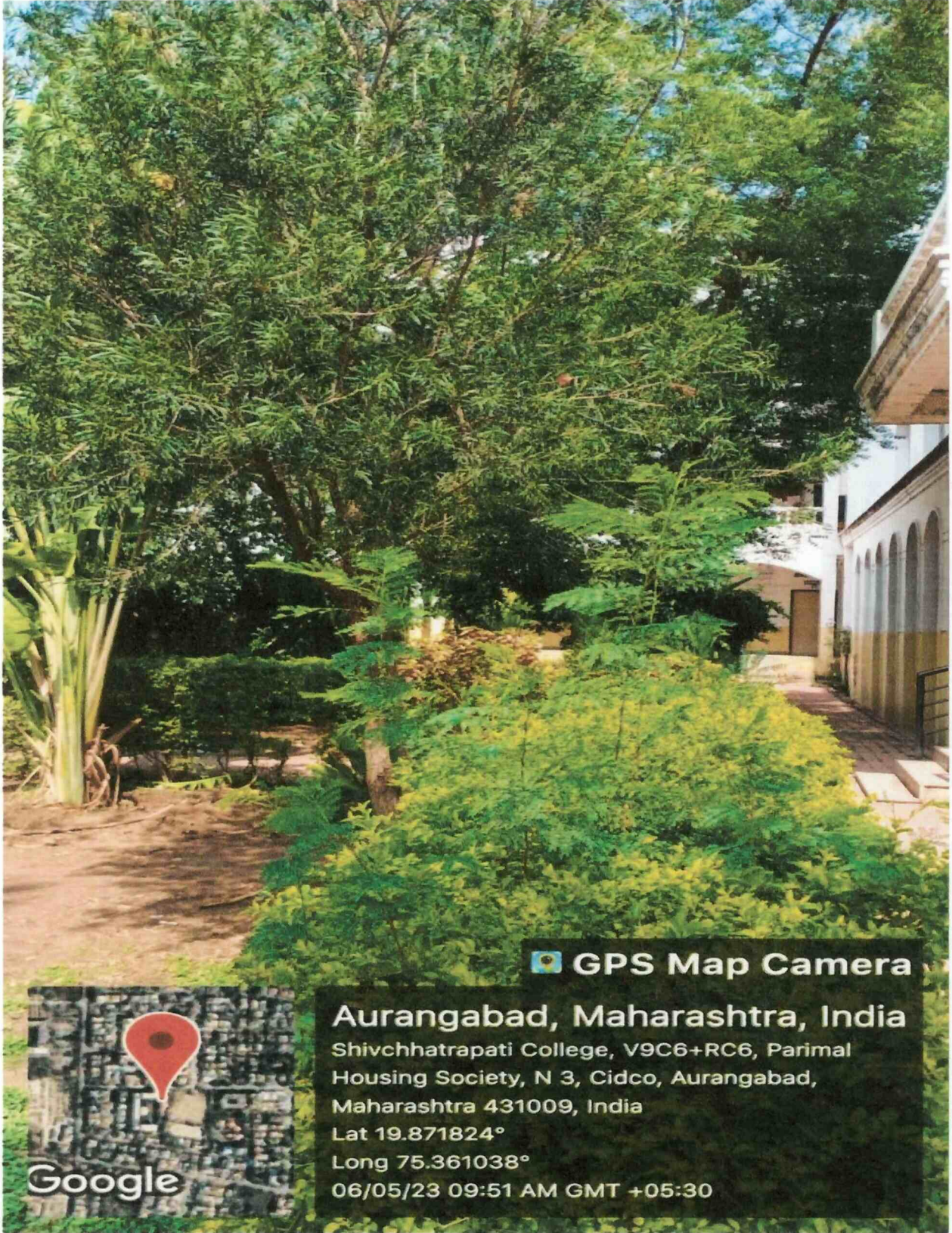
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