



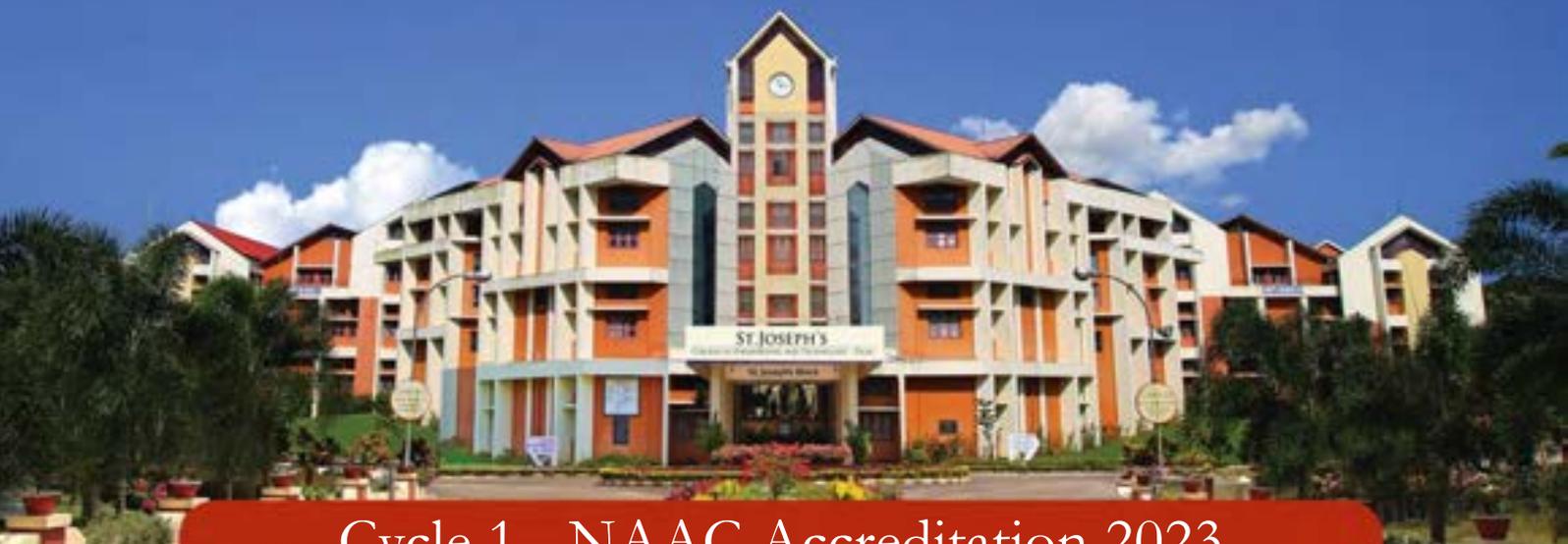
ST. JOSEPH'S

COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -

Choondacherry P.O., Palai, Kottayam Pin 686579, Kerala, India

Phone: +91 4822-239700, 239301, 239302

Email: info@sjcetpalai.ac.in • Website: www.sjcetpalai.ac.in



Cycle 1 - NAAC Accreditation 2023

Criterion - 4

Infrastructure & Learning Resources

4.1.1 The institution has adequate infrastructure and physical facilities for teaching learning: classrooms, laboratories, ICT facilities, cultural activities, gymnasium etc.

Submitted to:



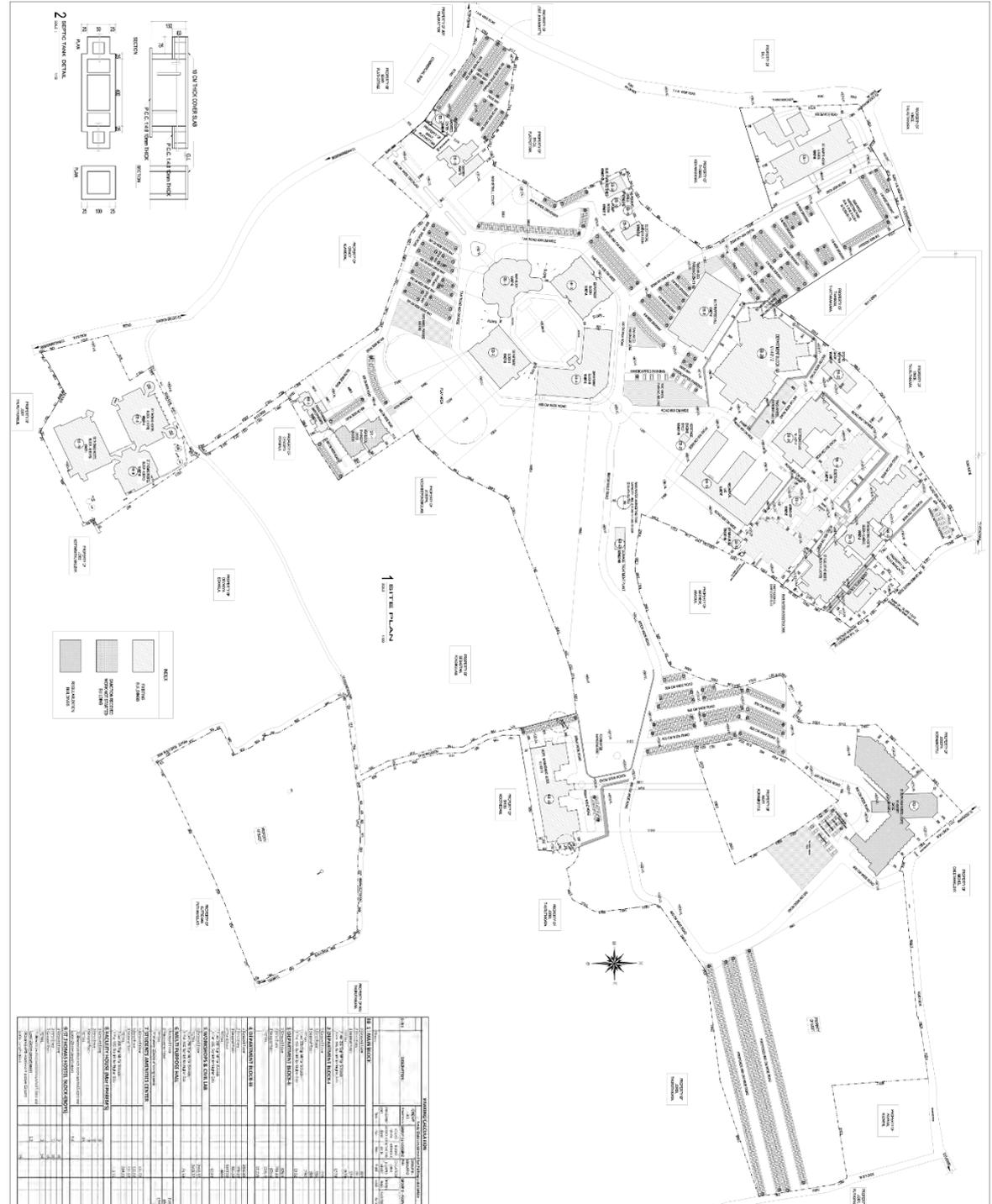
National Assessment and Accreditation Council

Criterion - 4

Infrastructure & Learning Resources

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NO.	DESCRIPTION	UNIT	AREA (SQ FT)	PERCENTAGE	TOTAL AREA (SQ FT)
1	1ST FLOOR	100	100	100	100
2	2ND FLOOR	200	200	200	200
3	3RD FLOOR	300	300	300	300
4	4TH FLOOR	400	400	400	400
5	5TH FLOOR	500	500	500	500
6	6TH FLOOR	600	600	600	600
7	7TH FLOOR	700	700	700	700
8	8TH FLOOR	800	800	800	800
9	9TH FLOOR	900	900	900	900
10	10TH FLOOR	1000	1000	1000	1000
11	11TH FLOOR	1100	1100	1100	1100
12	12TH FLOOR	1200	1200	1200	1200
13	13TH FLOOR	1300	1300	1300	1300
14	14TH FLOOR	1400	1400	1400	1400
15	15TH FLOOR	1500	1500	1500	1500
16	16TH FLOOR	1600	1600	1600	1600
17	17TH FLOOR	1700	1700	1700	1700
18	18TH FLOOR	1800	1800	1800	1800
19	19TH FLOOR	1900	1900	1900	1900
20	20TH FLOOR	2000	2000	2000	2000
21	21ST FLOOR	2100	2100	2100	2100
22	22ND FLOOR	2200	2200	2200	2200
23	23RD FLOOR	2300	2300	2300	2300
24	24TH FLOOR	2400	2400	2400	2400
25	25TH FLOOR	2500	2500	2500	2500
26	26TH FLOOR	2600	2600	2600	2600
27	27TH FLOOR	2700	2700	2700	2700
28	28TH FLOOR	2800	2800	2800	2800
29	29TH FLOOR	2900	2900	2900	2900
30	30TH FLOOR	3000	3000	3000	3000
31	31ST FLOOR	3100	3100	3100	3100
32	32ND FLOOR	3200	3200	3200	3200
33	33RD FLOOR	3300	3300	3300	3300
34	34TH FLOOR	3400	3400	3400	3400
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39	39TH FLOOR	3900	3900	3900	3900
40	40TH FLOOR	4000	4000	4000	4000
41	41ST FLOOR	4100	4100	4100	4100
42	42ND FLOOR	4200	4200	4200	4200
43	43RD FLOOR	4300	4300	4300	4300
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48	48TH FLOOR	4800	4800	4800	4800
49	49TH FLOOR	4900	4900	4900	4900
50	50TH FLOOR	5000	5000	5000	5000

UNIVERSITY OF ARIZONA
HEALTH SCIENCES CENTER
ST. JOSEPH'S COLLEGE OF
TECHNOLOGY/PAEDIATRIAN

ARCHITECTS
UNIVERSITY OF ARIZONA
ARCHITECTS
1601 S. UNIVERSITY AVENUE, SUITE 100
TUCSON, ARIZONA 85724
PHONE: (520) 224-2000
FAX: (520) 224-2001

ST. JOSEPH'S

COLLEGE OF ENGINEERING AND TECHNOLOGY, - PALAI -

Campus Layout

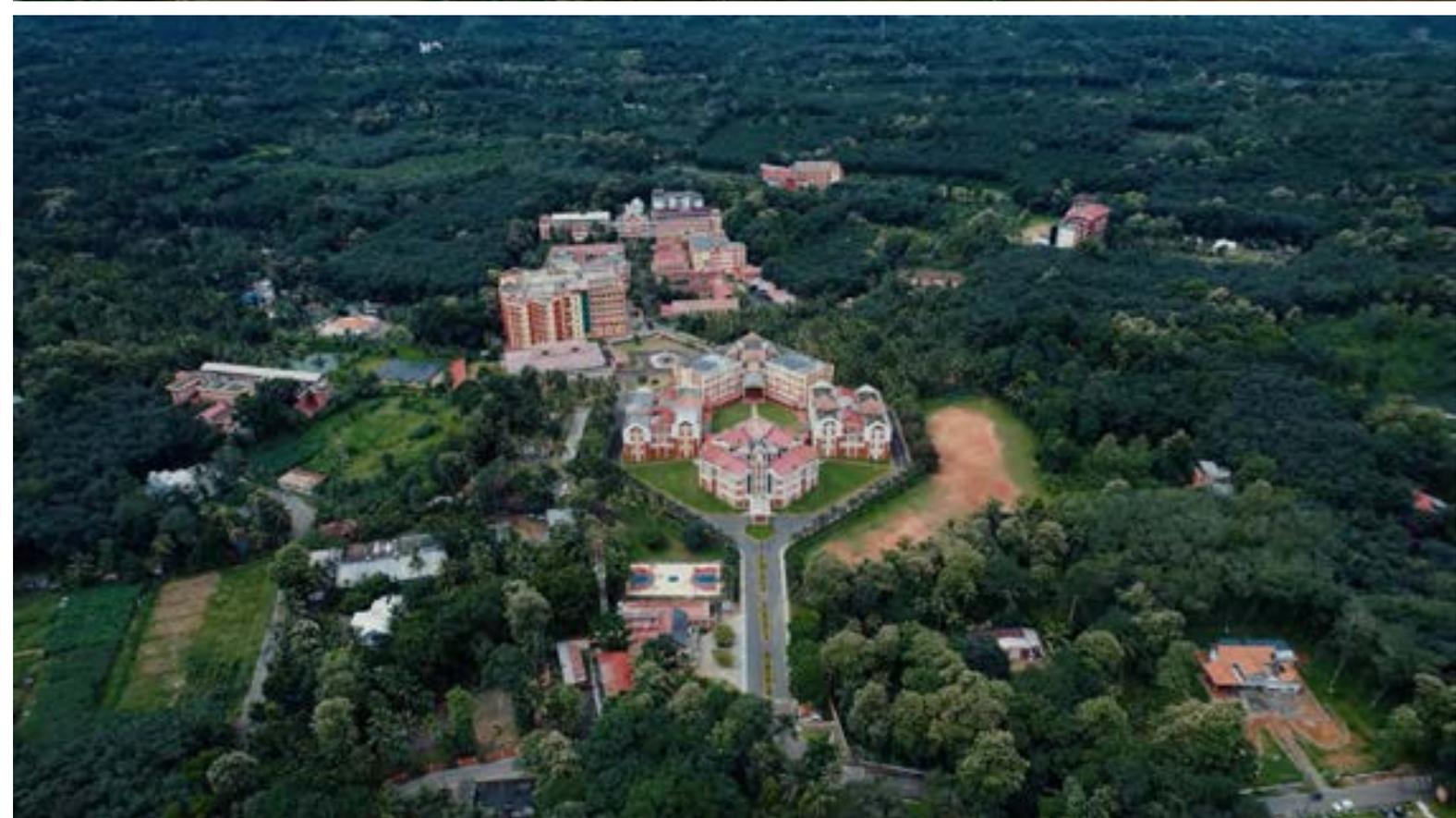


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 - 03 ST. JOHN PAUL BLOCK
 - 04 MOTHER TERESA BLOCK
 - 05 BANK, ATM, BSNL, POST OFFICE
 - 06 FOOD COURT
 - 07 PUMP HOUSE
 - 08 ELECTRICAL SUB STATION
 - 09 ST. MARY'S HOSTEL
 - 10 RAIN WATER HARVESTING POND
 - 11 POLY HOUSE
 - 12 EINSTEIN HALL
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 - 14 METEOROLOGICAL CENTRE
 - 15 ST. FRANCIS BLOCK
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 - 39 400M TRACK & FIELD
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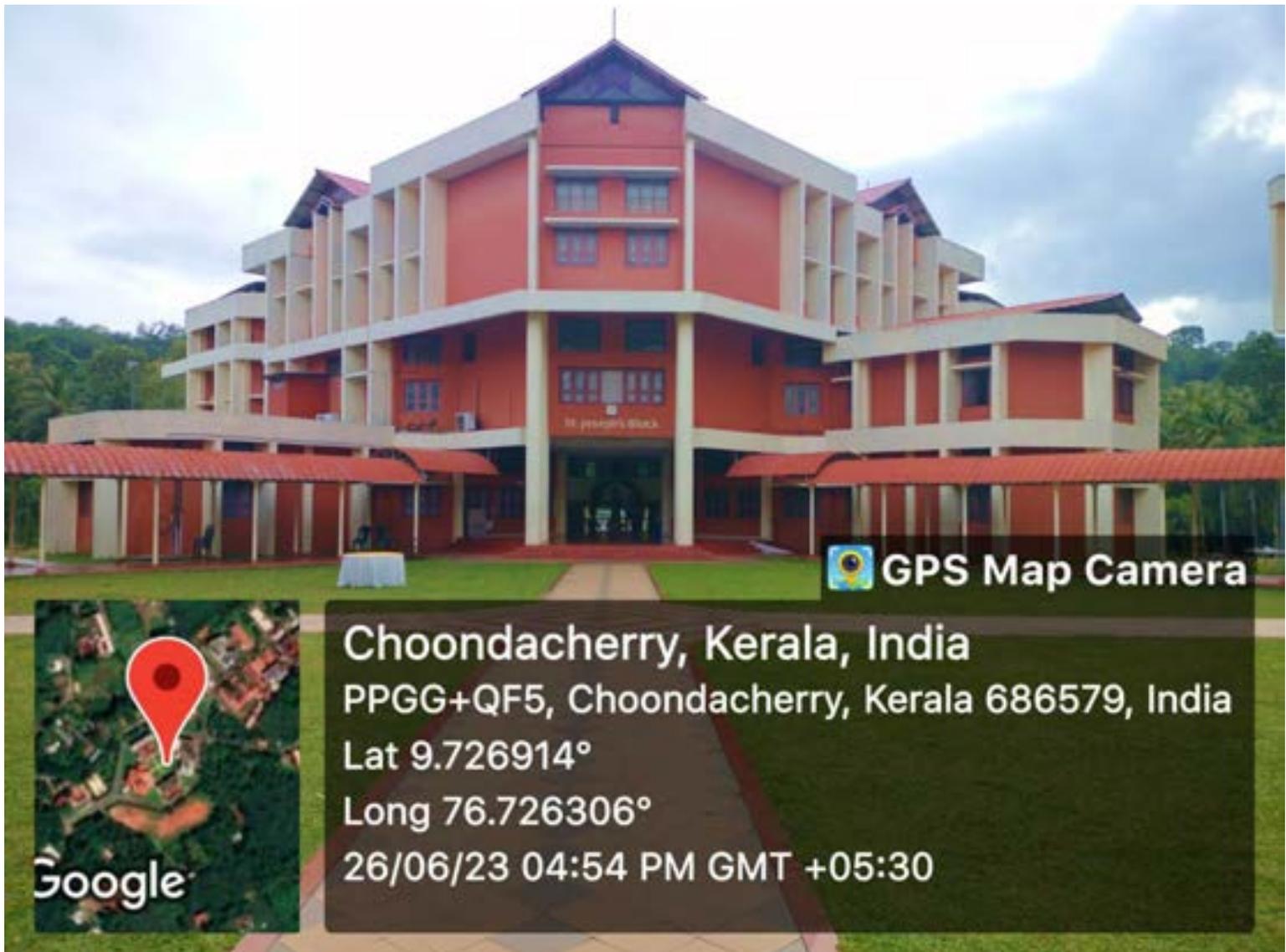
- PRIVATE LAND
- CAR PARKING AREA
- STUDENTS CAR / BIKE PARKING
- WATER SOURCE
- BUS SHELTER
- UTILITY SHED
- RAIN WATER STORAGE
- WATER TANK
- ASPHALT ROAD
- CAMPUS BOUNDARY
- PRIVATE LAND
- COLLEGE CAMPUS





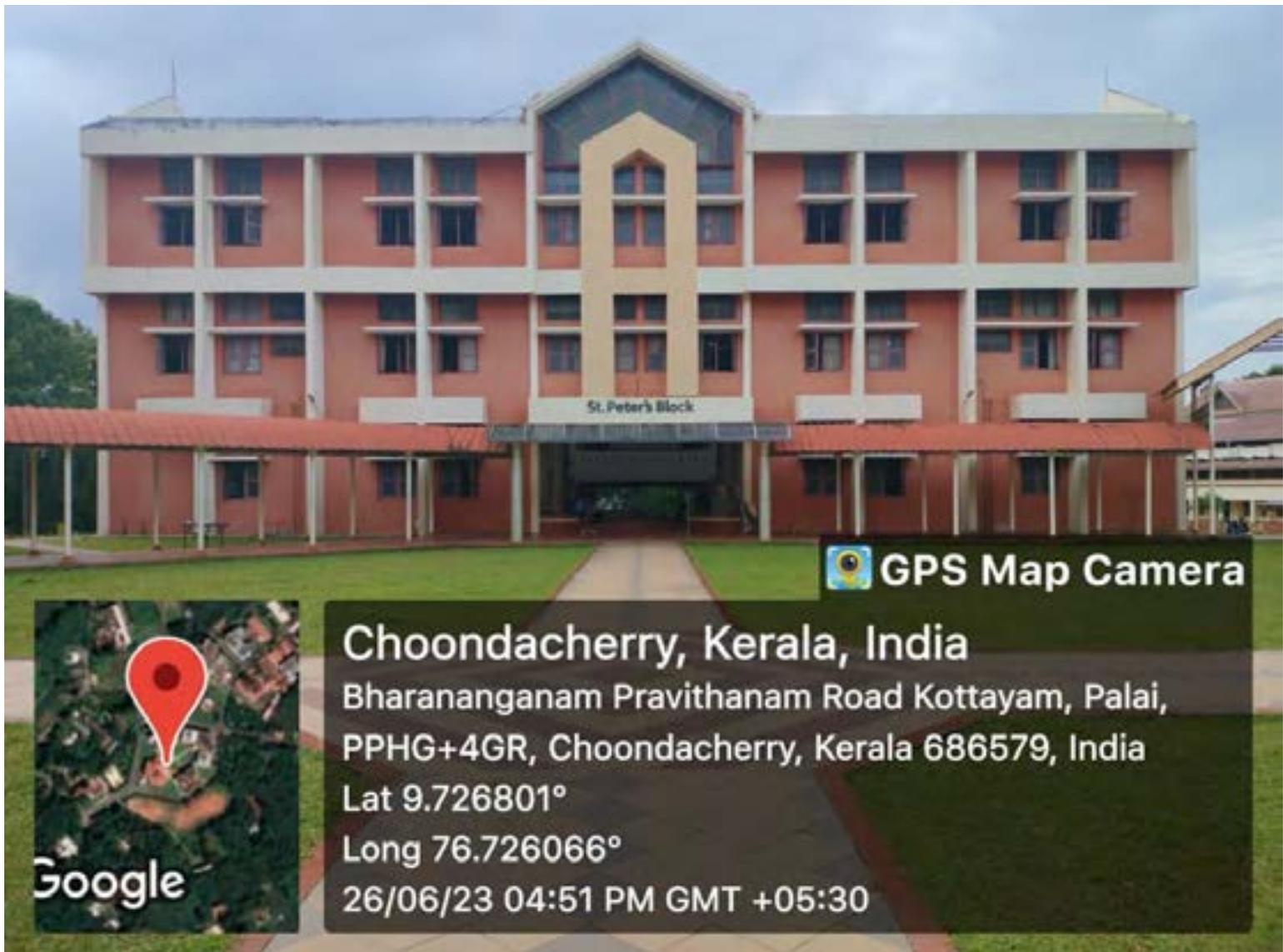
ACADEMIC BLOCKS

St. Joseph's Block



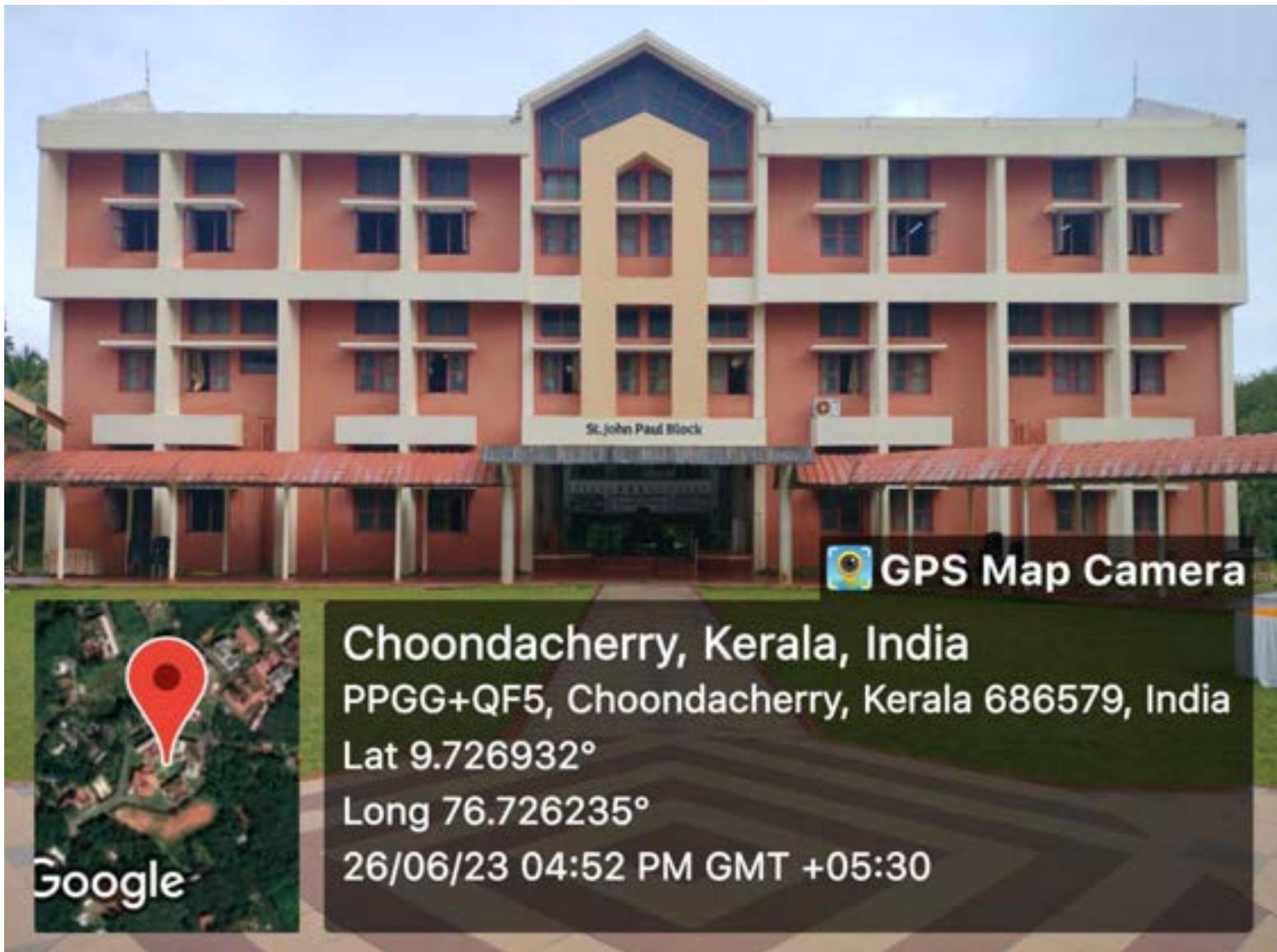
- The St. Joseph block houses the administrative offices and a few first-year classrooms.
- The block includes Department of Science & Humanities and HOD room, Rooms of Chairman, Vice-Chairman, Principal, Vice-Principal, St. Joseph Seminar Hall, IQAC Cell, Board room, Internal and University Exam cells, Central Computing Facility (CCF) & Language Lab, Drawing Hall, Office of PRO, Information office, an ATM, waiting rooms and wash rooms, a visitor's lounge and a prayer hall.

St. Peter's Block



- Classrooms, Faculty rooms, HOD Rooms, few laboratories, separate waiting rooms & wash rooms for gents and ladies for the programs of B. Tech in Electronics & Communication Engineering, B. Tech in Electronics & Computer Engineering, B. Tech in Artificial Intelligence & Data Science and M. Tech in VLSI & Embedded Systems are enclosed in this block.
- One among the classrooms is Smart Classroom designated as Department Seminar Hall.

St. John Paul Block



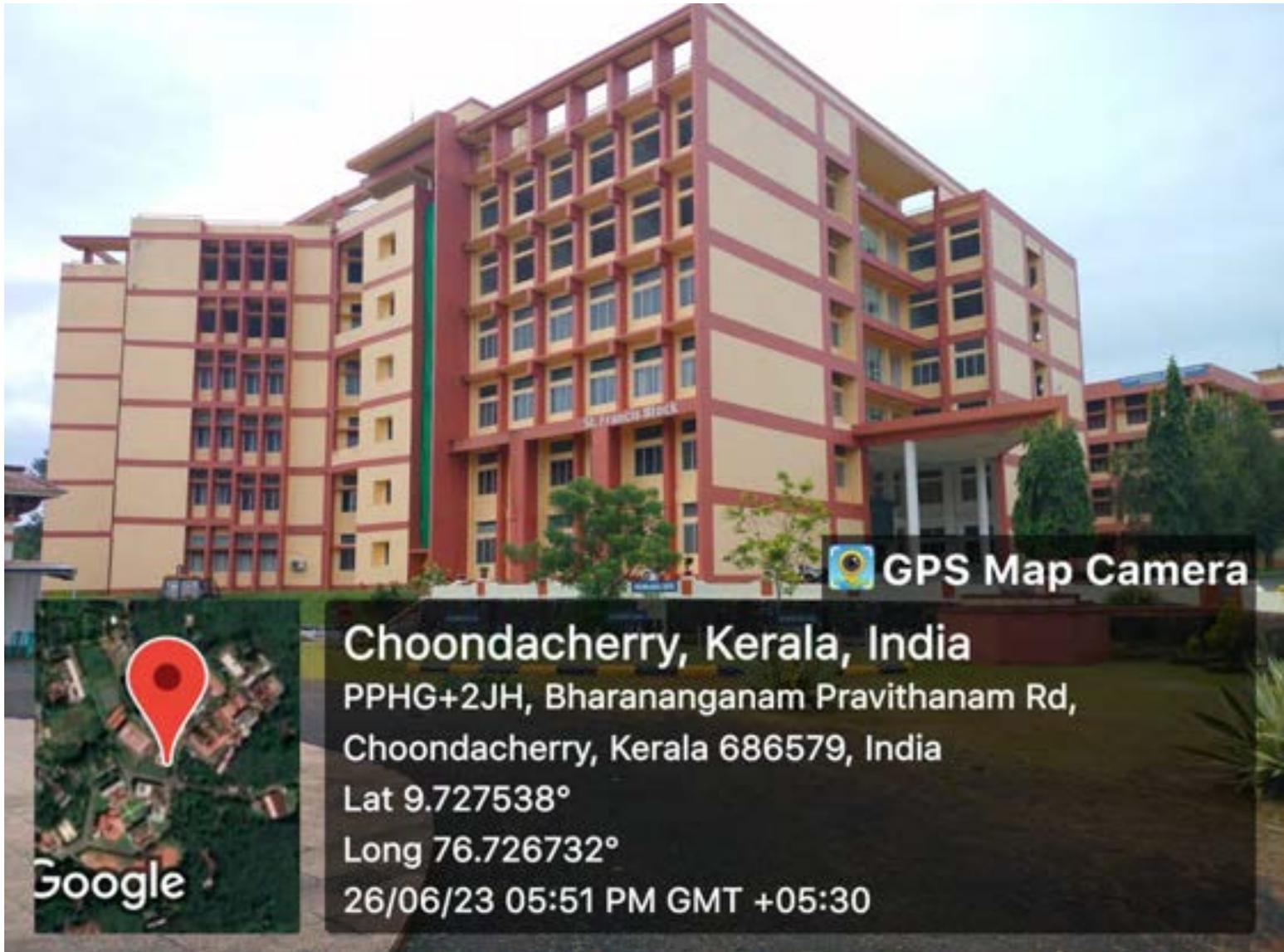
- Classrooms, Faculty rooms, HOD Room, separate waiting rooms & wash rooms for gents and ladies for the programs of B. Tech in Mechanical Engineering and M. Tech in Advanced Manufacturing & Project Management are enclosed in this block.
- St. John Paul block also accommodates Office rooms of Prof. Emeritus, Laboratory Manager, NCC, NSS, Alumni Association (SJCTPAAN) and a Design & Consultancy Hub.
- A Drawing Hall and a Smart Classroom designated as Department Seminar Hall are also included within this block.

Mother Theresa Block



- Classrooms, Faculty rooms, HOD Rooms, separate waiting rooms & wash rooms for gents and ladies for the programs of B. Tech in Computer Science & Engineering, B. Tech in Electrical & Electronics Engineering and M. Tech in Computer Science & Engineering are enclosed in this block.
- Mother Theresa block also accommodates Central Library, Boot Camp, Maker Space, Reprographic Centre, Office rooms of Software Development wing, R&D Centre of Computer Science & Engineering, Counselling room and a 250-seating capacity well-furnished seminar hall.

St. Francis Block



- This six stored building accommodates Classrooms, Faculty rooms, HOD Rooms, separate waiting rooms & wash rooms for gents and ladies for the programs of Master in Computer Application and Master in Business Administration (which is specially designated as St. Joseph's Business School).
- This block also encloses another Canteen, Reprographic Centre & Store, APJAKT University Valuation Camp, aesthetically well-designed centralised air-conditioned Hall having seating capacity of 450, designated as St. Francis Hall.
- Facilities for Placement cell (including offices, GD rooms, Interview rooms etc.), Medicare and Manager's Office are also present.

LABORATORY BLOCKS

Electrical Laboratory Block



- This block encloses all the laboratories under the department of Electrical & Electronics Engineering.

Electronics Laboratory Block



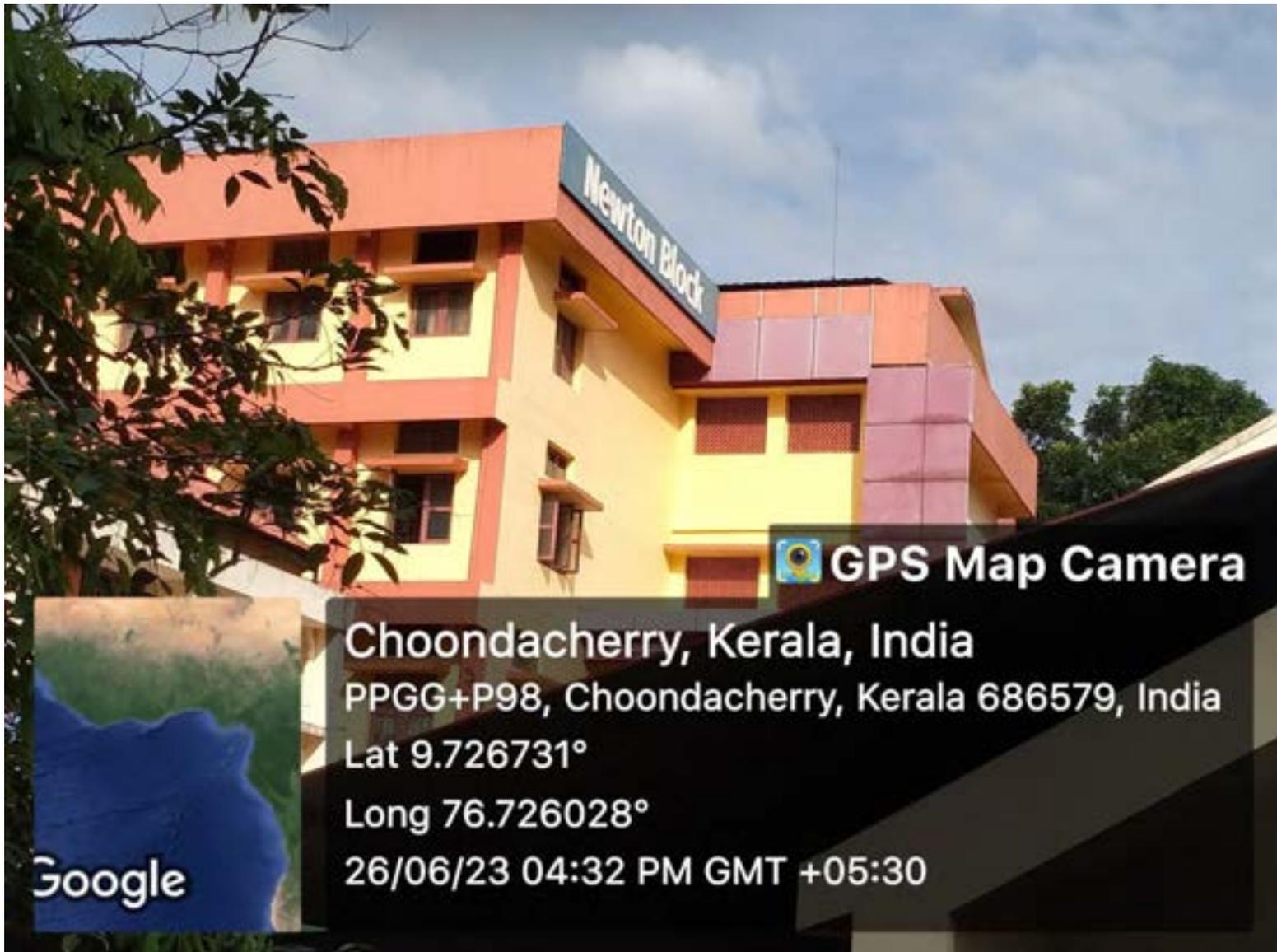
- This block encloses all the laboratories for UG and PG programs under the departments of Electronics & Communication Engineering and Electronics & Instrumentation Engineering.
- Measurement Lab, Heat Transfer Lab, Hydraulics lab annex, Research Lab II and Project Room of Mechanical Engineering Department are also included in this block.
- The ground floor of this block accommodates Gymnasium for Men which is open after academic hours every day.

Mechanical Laboratories Block



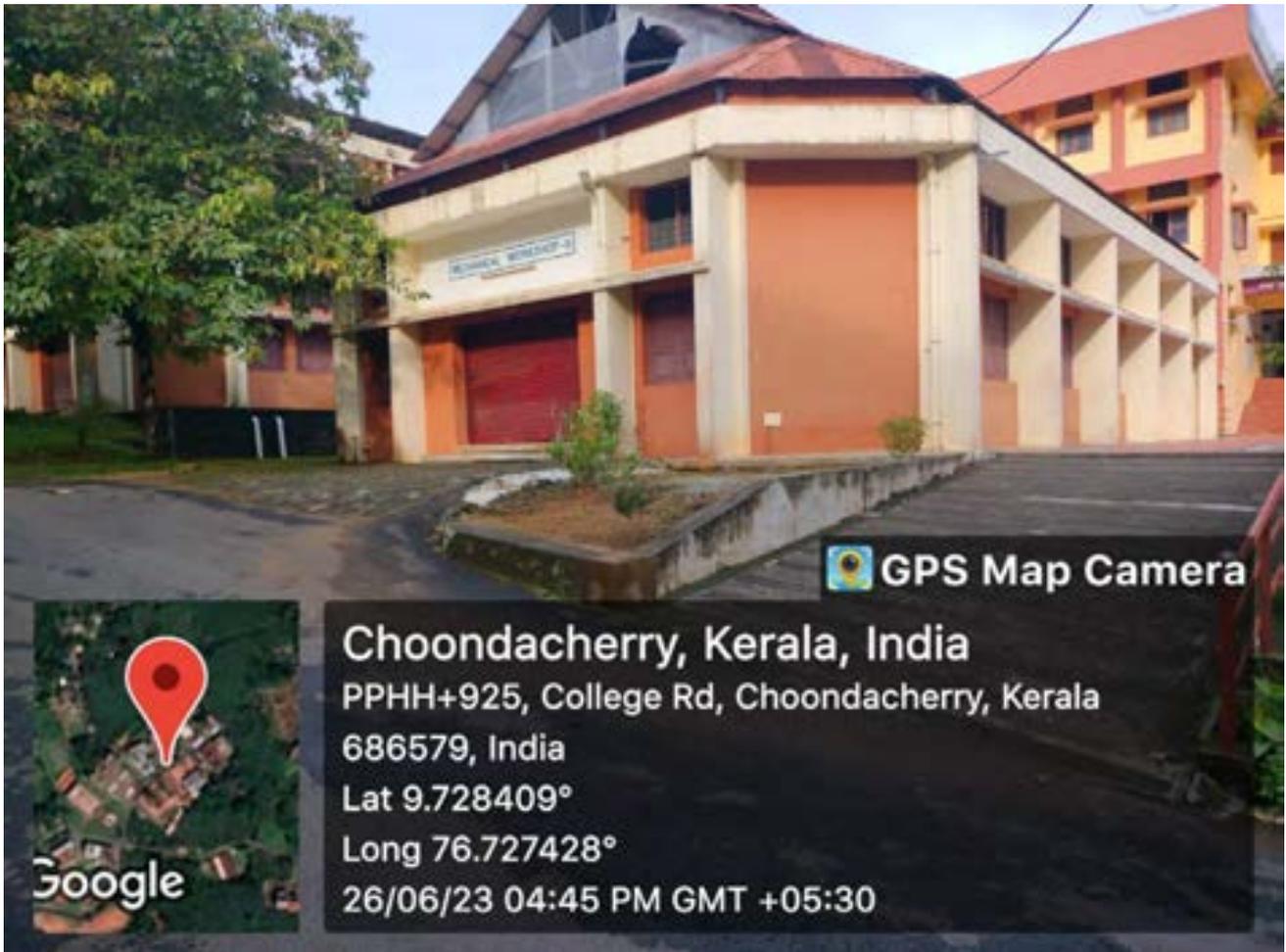
- This is a three-segment block consist of Thermal Engineering Lab, Hydraulics Lab, Strength of Materials Lab, Mechanical Systems lab and Machine Shop. Superior facilities like Computer Numerical Control (CNC) Lathe and Coordinate Measuring Machine (CMM) are also available in this lab complex.

Newton Block



- Newton block accommodates all the Laboratories under the department of Civil Engineering. The classrooms of Civil Engineering department, Faculty rooms and HOD room are accommodated here.
- Industrial & Computational Lab and Research Lab of Mechanical Engineering department is housed in this block.
- The ground floor of Newton block accommodates Heritage Museum of the college.

Workshop



Workshop consist of two segments accommodating all the facilities for the first-year workshop courses of all B. Tech Programs.

CLASSROOMS

Department	Computer Science & Engineering
Name of Room & Room no.	Class Room, 306
Location	Mother Theresa Block
Total Floor Area	69.91 m ²
Additional facility in the described area	Wi-Fi, LCD Projector, CCTV
 <p>Figure 1: Classroom</p>	 <p>Figure 2: Classroom</p>

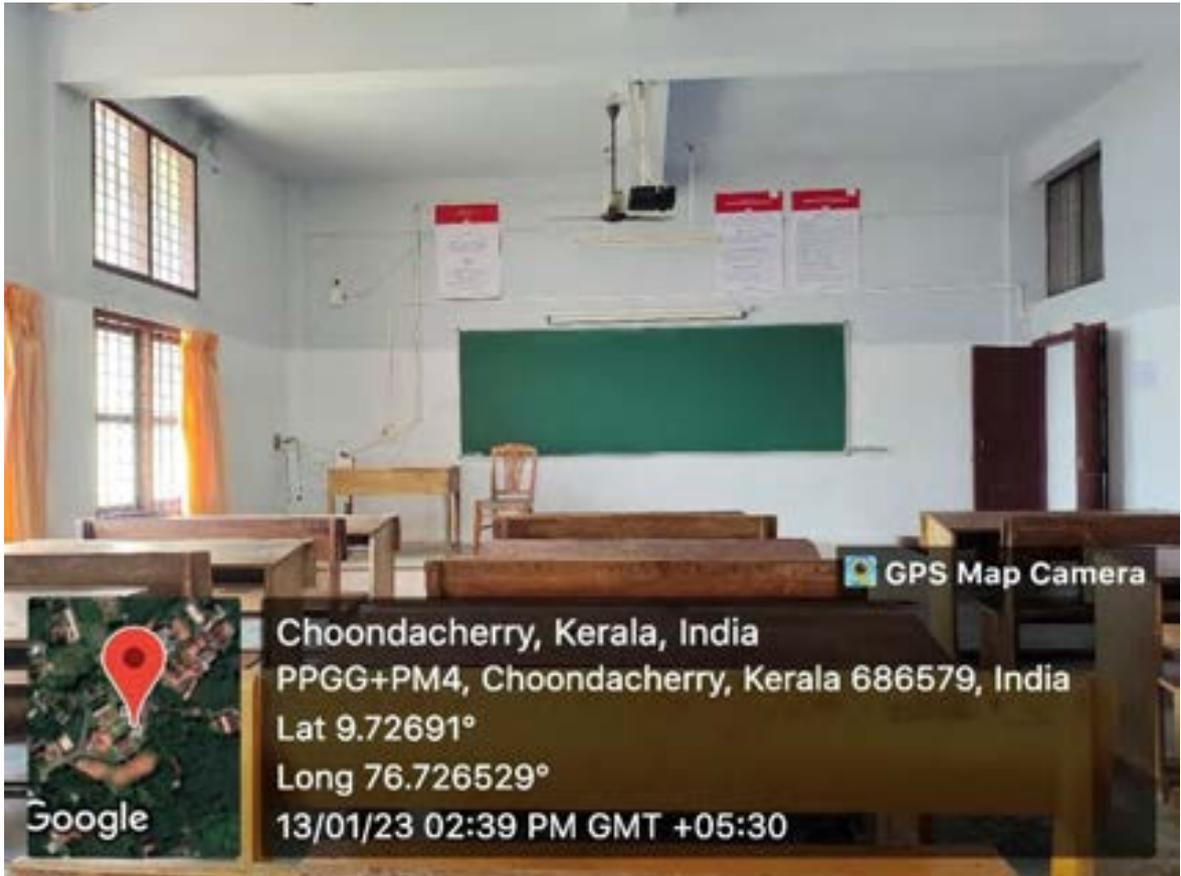


Figure 3: Classroom

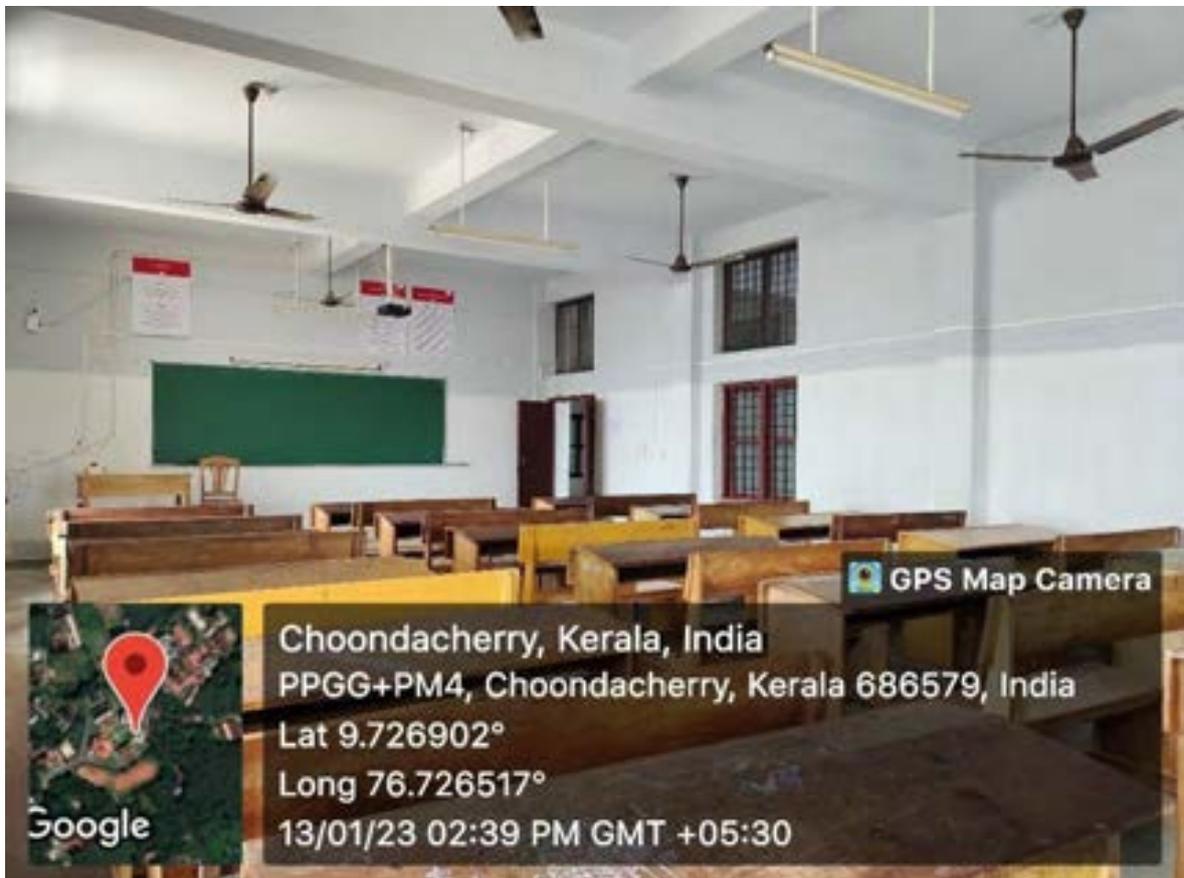


Figure 4: Classroom

Department	Electrical and Electronics Engineering
Name of Room & Room no.	Lecture Hall, 105
Location	Mother Theresa Block, first floor
Total Floor Area	93.33 m ²
Additional Facility in the described area	Wi-Fi, LCD Projector, CCTV



Figure 5: Classroom



Figure 6: Classroom

LABORATORIES

Department	Civil Engineering
Name of the Lab	Concrete Lab (Room No.004)
Location	NEWTON BLOCK
Total floor Area	211.48m ²
The additional facility in the described area	Wi-Fi, LAN, Computer



Figure 1: Concrete Lab

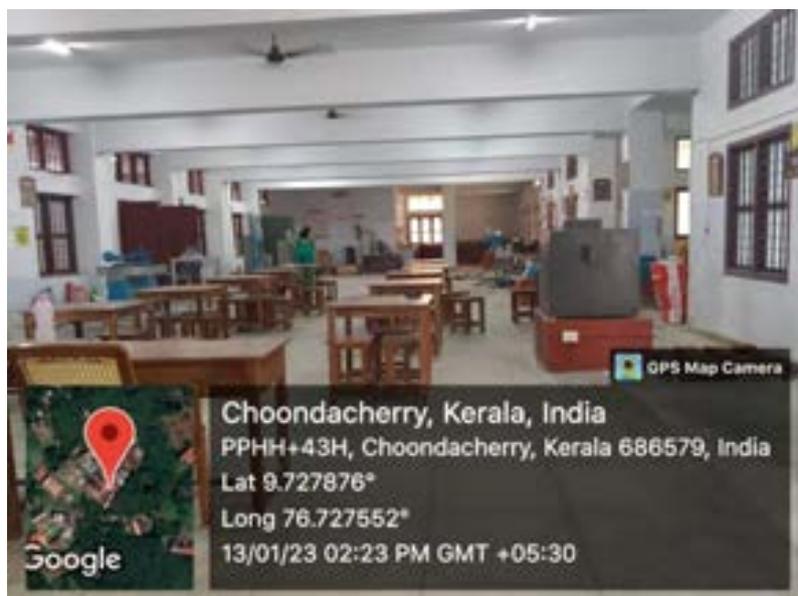


Figure 2: Concrete Lab

Department	Mechanical Engineering
Name of Laboratory	Thermal Engineering Lab (Room No. MLB110)
Location	Mechanical Laboratories
Total Floor Area (m ²)	300 m ²
Additional Facilities in the Area	Wi-Fi, LAN, Computer, Staffroom, Store Room

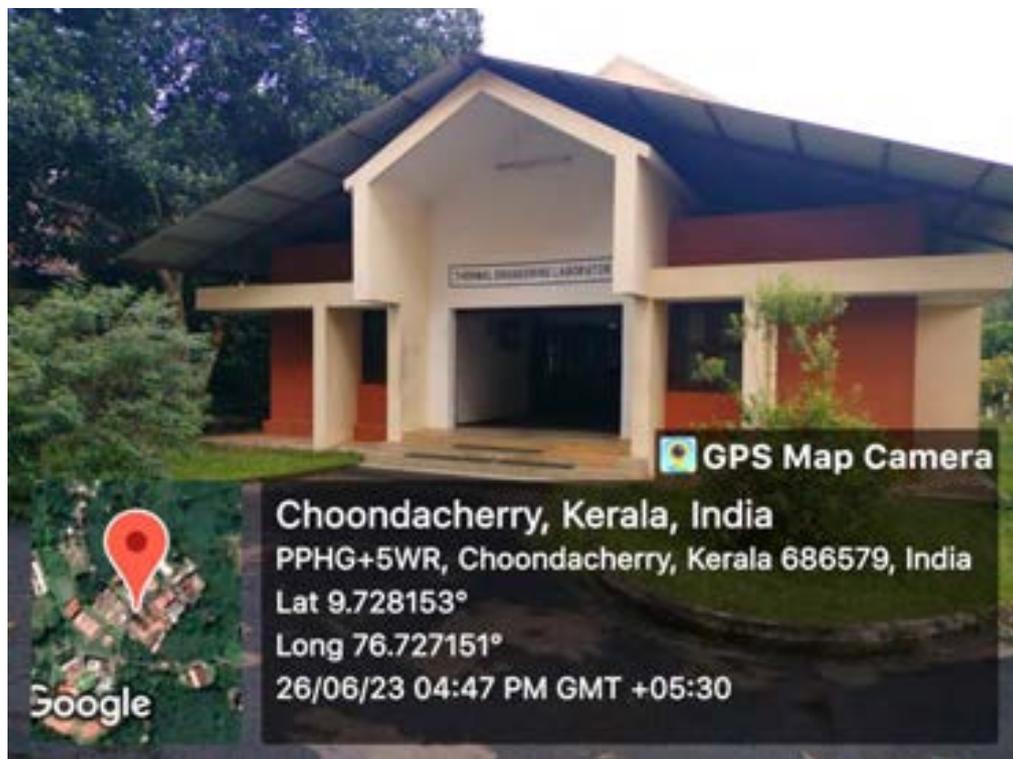


Figure 3: Thermal Engineering Lab



Figure 4: Thermal Engineering Lab

Department	Mechanical Engineering
Name of Laboratory	Machine Shop (Room No. MLB105)
Location	Mechanical Laboratories
Total Floor Area (m ²)	440
Additional Facilities in the Area	Wi-Fi, LAN, Computer, Staffroom, Store Room, Fire Extinguisher, First aid box

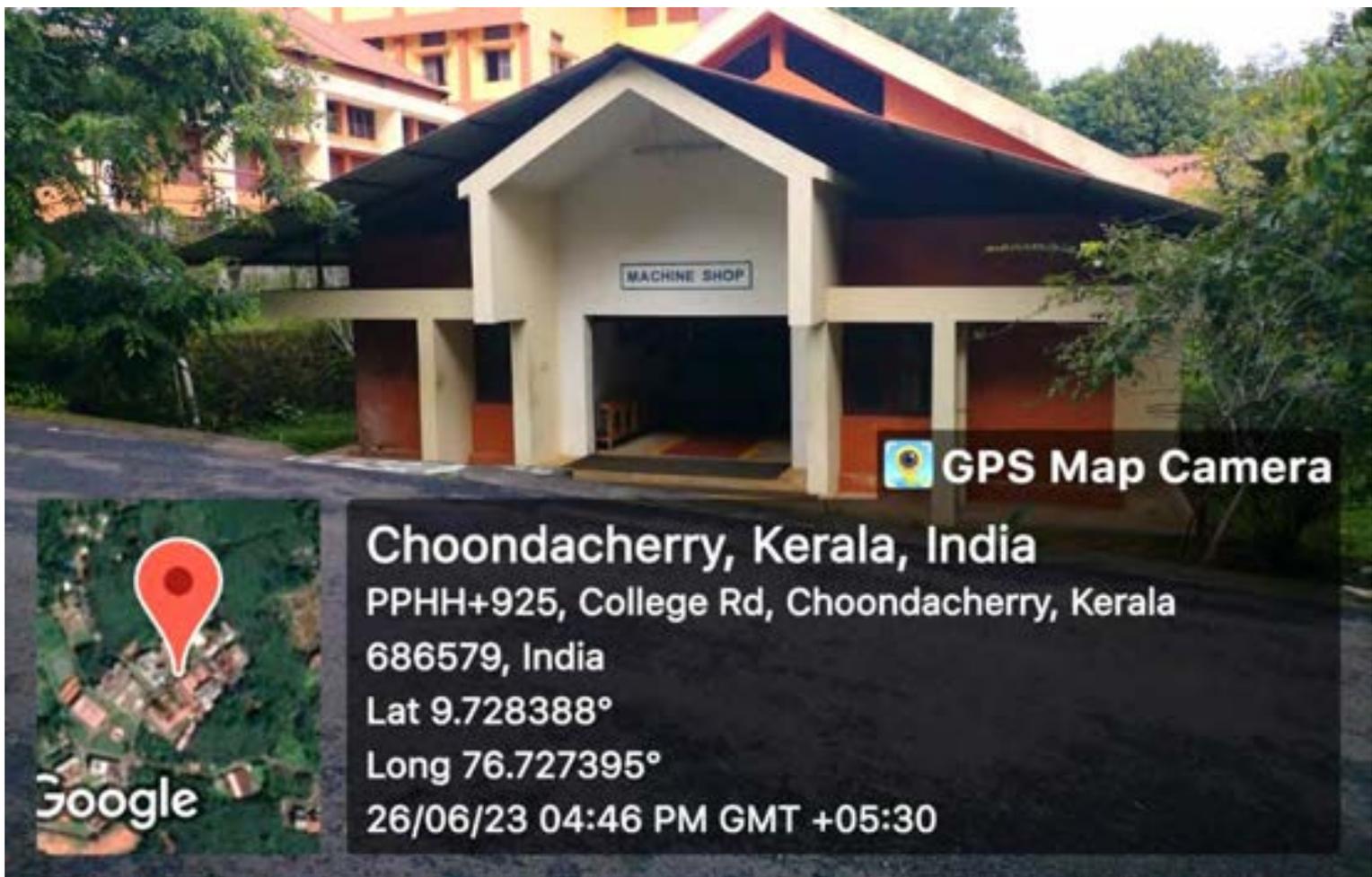


Figure 5: Machine Shop



Figure 6: Machine Shop



Figure 7: (CNC Lathe) Machine Shop

Department	Artificial Intelligence and Data Science
Name of the Lab	Artificial Intelligence and Data Science Lab (Room No. 12)
Location	ECE Lab Block, First Floor
Total floor Area	123.95 m ²
Additional facility in the described area	Wi-Fi, LAN, Interactive Panel (Smart TV-86'), Fire Extinguisher, First aid box



Figure 8: Artificial Intelligence and Data Science Lab

FACULTY, STAFF, OFFICE ROOMS

Department	Electrical and Electronics Engineering
Name of Room & Room No.	HoD Room, 110
Location	Mother Theresa Block, First floor
Total Floor Area	39.19 m ²
Additional Facility in the described area	Wi-Fi, LAN, Computer, Intercom, Washroom

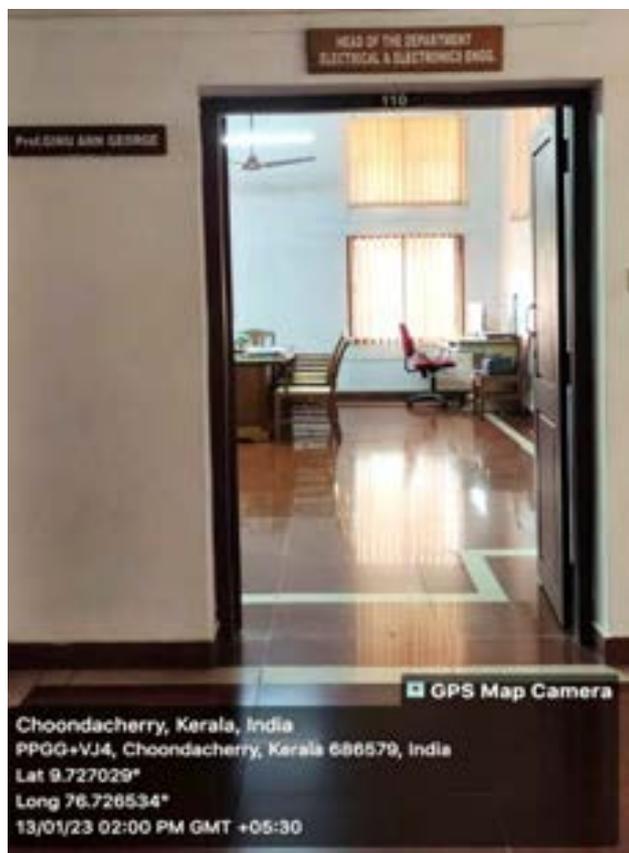


Figure 1: HOD Room



Figure 2: HOD Room

Department	Computer Science & Engineering
Name of Room & Room No.	HOD Room, 111
Location	Mother Theresa Block
Total Floor Area	36.79 m ²
Additional facility in the described area	Wi-Fi, LAN, Computer, Intercom, Washroom



Figure 3: HOD Room



Figure 4: HOD Room

Department	Electronics and Communication Engineering
Name of Room & Room No.	HOD Room, 203
Location	St. Peters Block, First Floor
Total floor Area	117.43 m.
Additional facility in the described area	Wi-Fi, LAN, Computer, Intercom, Washroom

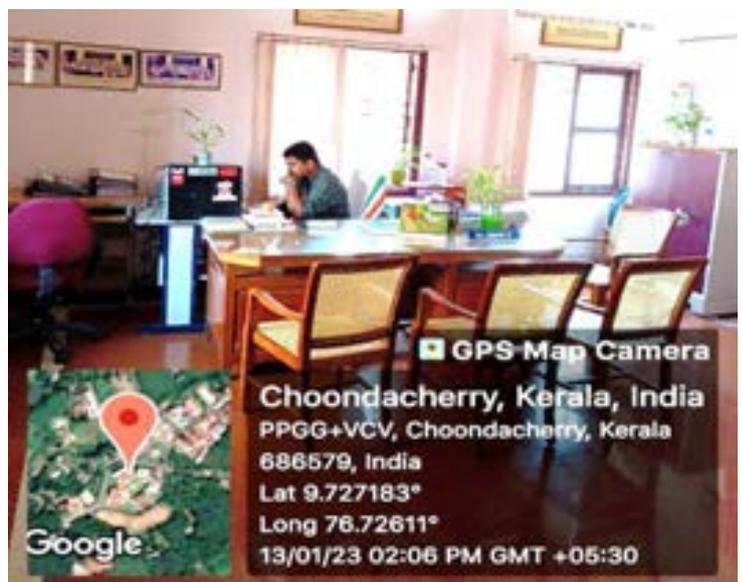
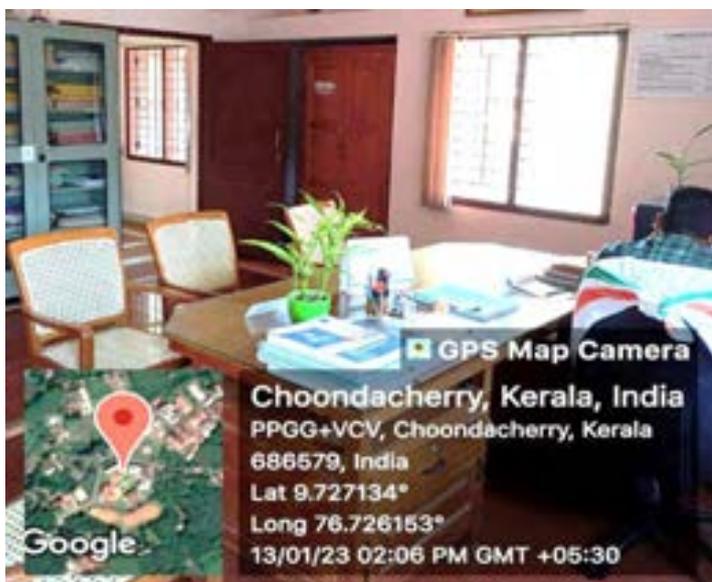


Figure 5: HOD Room

Department	Computer Applications
Name of Room & Room No.	Faculty Room, 114
Location	St. Francis Block, First Floor
Total Floor Area	76.30 m ²
Facility in the described area	Wi-Fi, LAN, Computer, Seven Staff Cubicle & Wash Area with Toilet

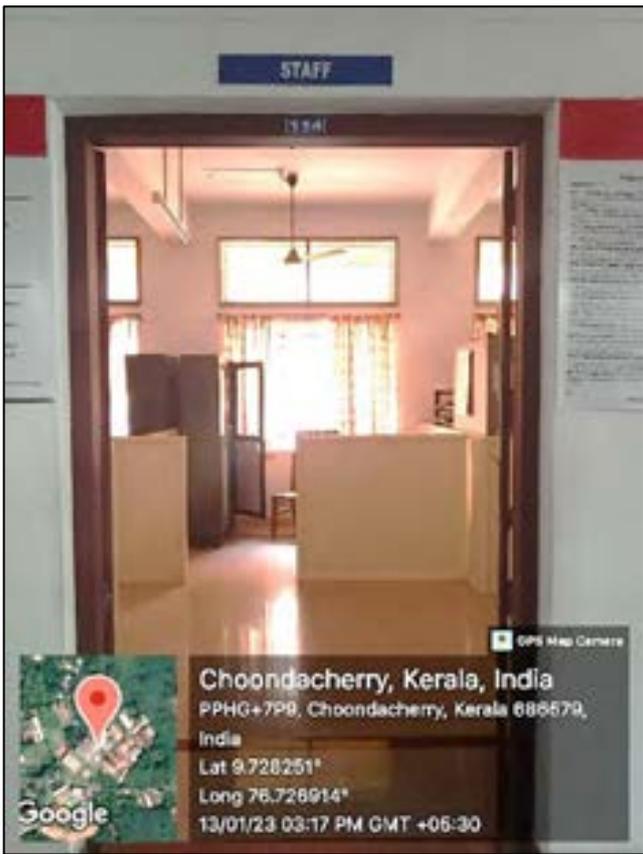


Figure 6: Faculty Room



Figure 7: Faculty Room

Department	Mechanical Engineering
Name of Room & Room No.	Faculty Room 1, 204
Location	St. John Paul Block
Total Floor Area	91 m ²
Additional Facilities in the Area	Wi-Fi, LAN, Computer, Printer, Notice Board, Shelves, Toilet

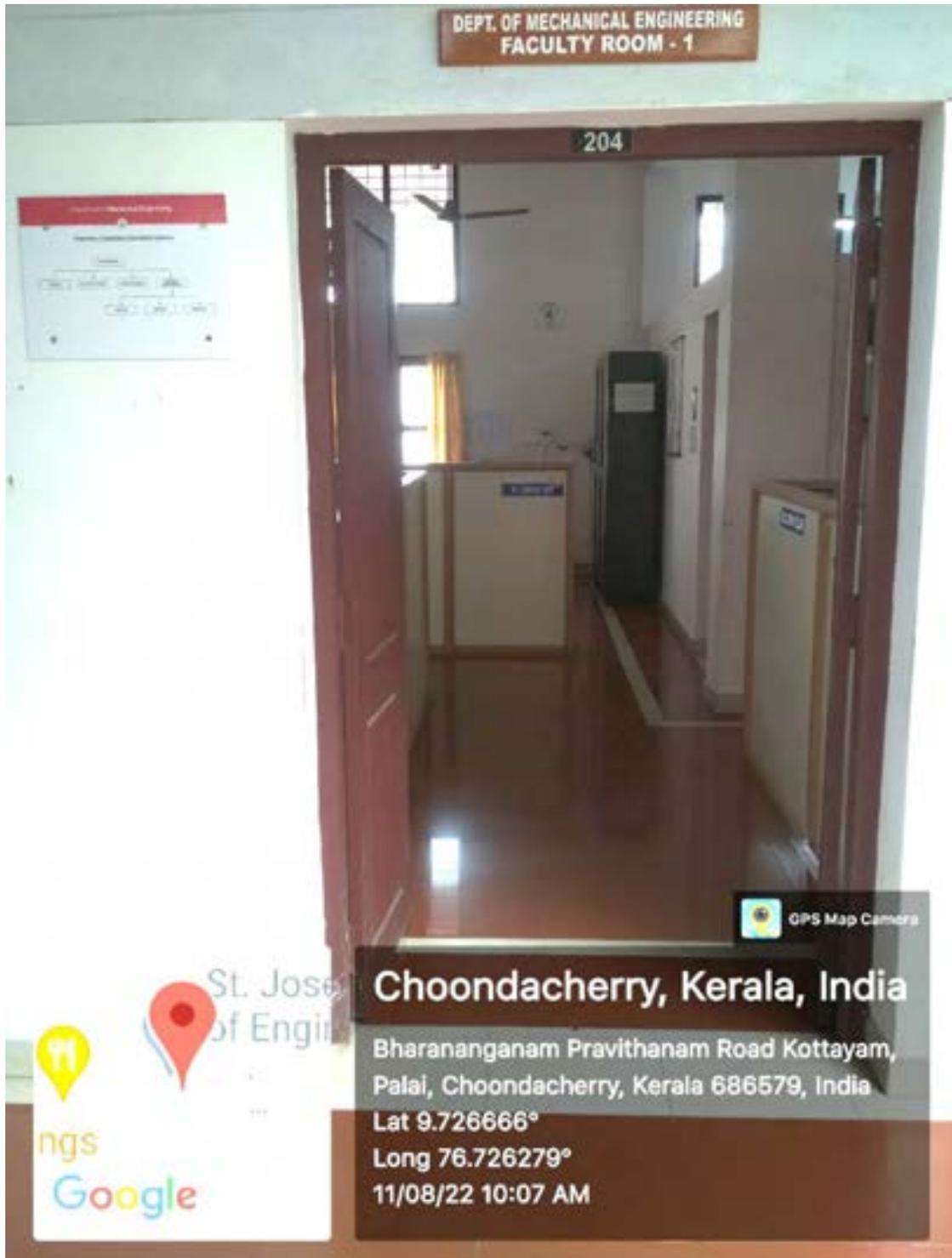


Figure 8: Faculty Room 1

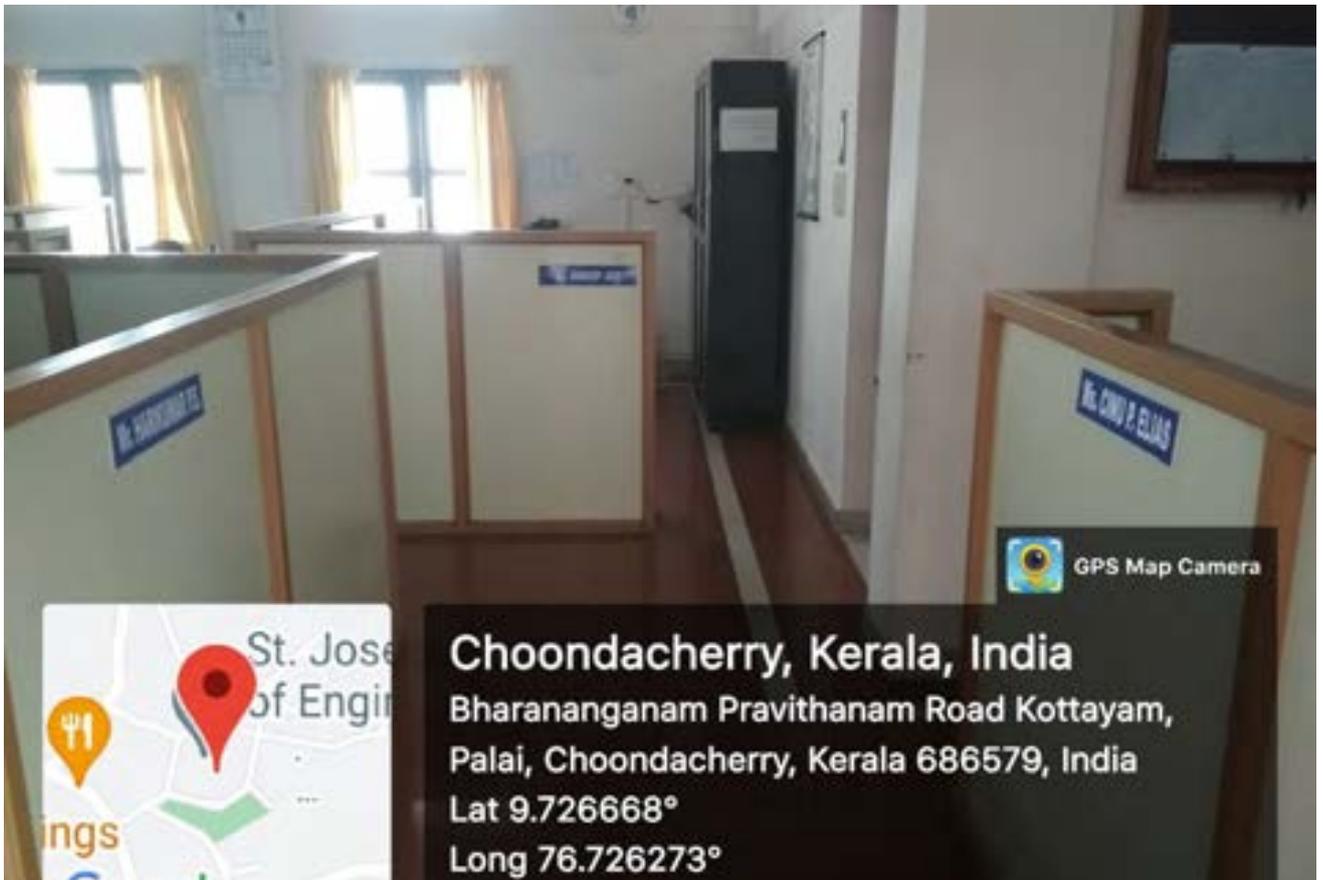


Figure 9: Faculty Room 1

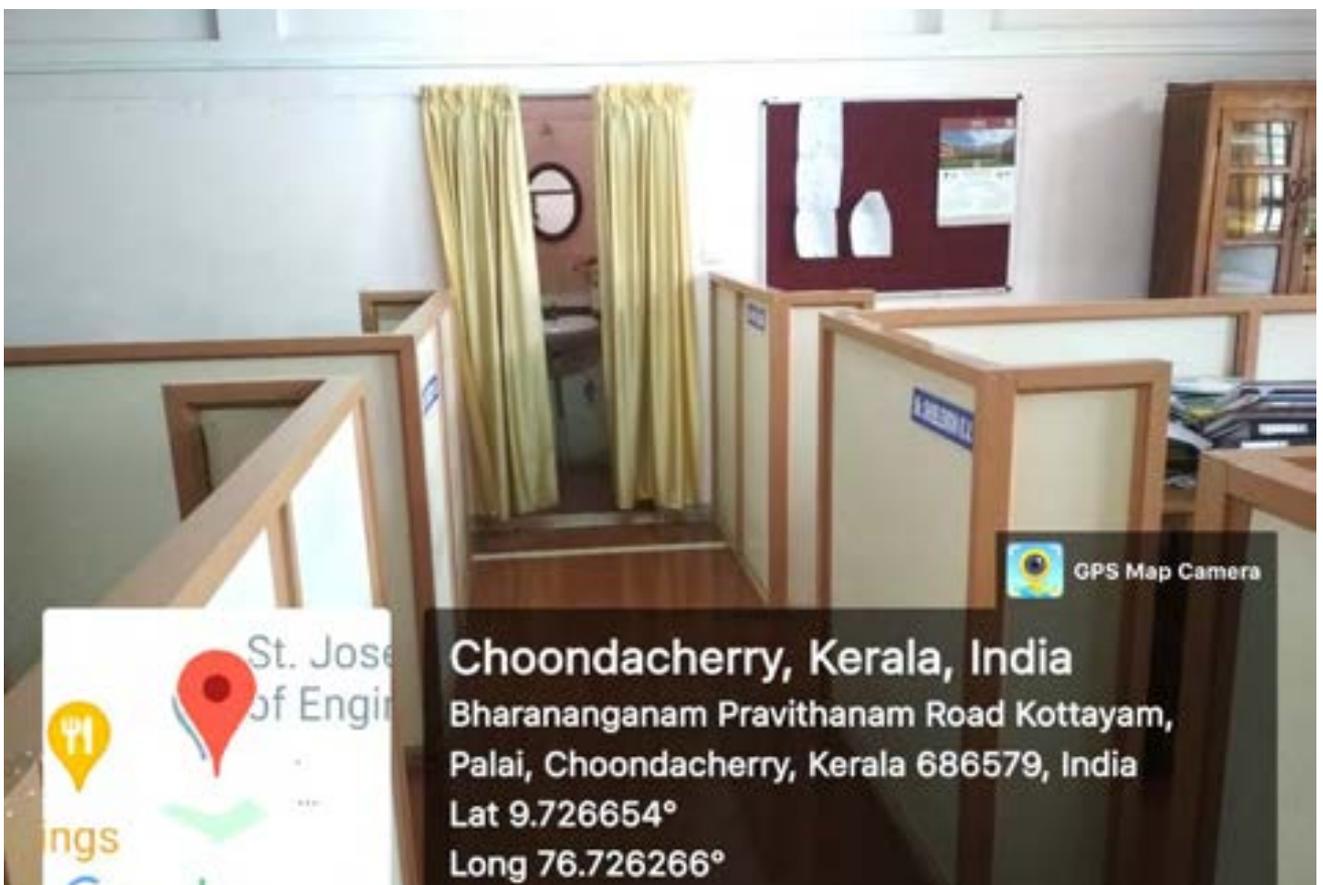


Figure 10: Faculty Room 1

Department	Office
Name of the office	University Exam Cell
Location	St. Joseph's Block, First floor
Total floor area	54.81m ²
Additional Facilities in the Area	Wi-Fi, LAN, Printers, Scanners, Shelves



Figure 11: University Exam Control Room



Figure 12: University Exam Control Room

Department	Office
Name of the Office	Public Relations Officer
Location	St. Joseph's Block, Ground floor
Total floor area	14.76 m ²
Additional Facilities in the Area	Wi-Fi, LAN, Printer, Shelves



Figure 13: Room of Public Relations Officer

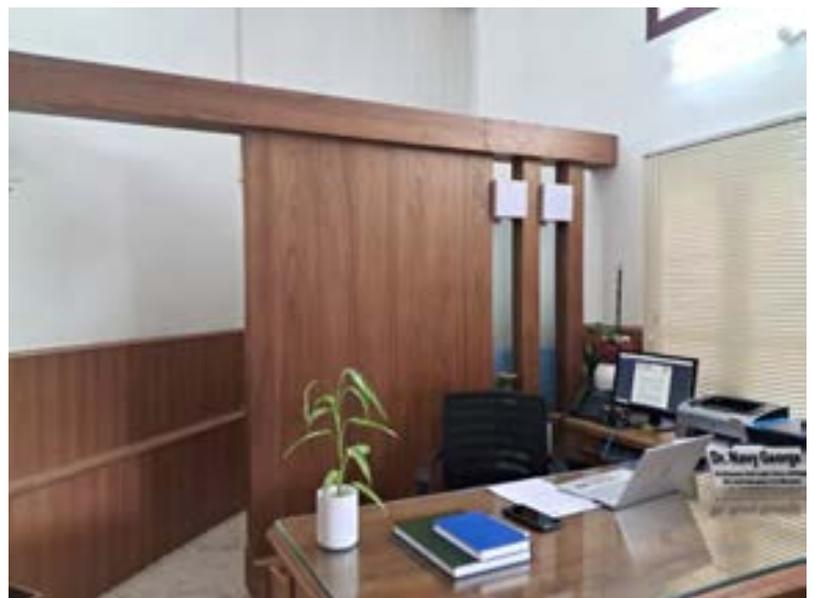


Figure 14: Room of Public Relations Officer

Department	Office
Name of Room & Room no.	Office, 203
Location	St. Joseph's Block, First floor
Total floor area	108 m ²
	
Figure 15: Office	Figure 16: Office

Department	Office
Name of Room & Room no.	Principal's Room, 205
Location	St. Joseph's Block, First floor
Total floor area	39.19 m ²
Additional Facilities in the Area	Wi-Fi, LAN, Printers, Shelves, Restroom, Discussion area
	
Figure 17: Principal's Room	Figure 18: Principal's Room

DEPARTMENT AMENITIES

Department	Civil Engineering
Name of the Amenity	Department Library (Room No.016)
Location	Newton Block
Total floor Area	51.34 m ²
The additional facility in the described area	Wi-Fi, LAN, Computer

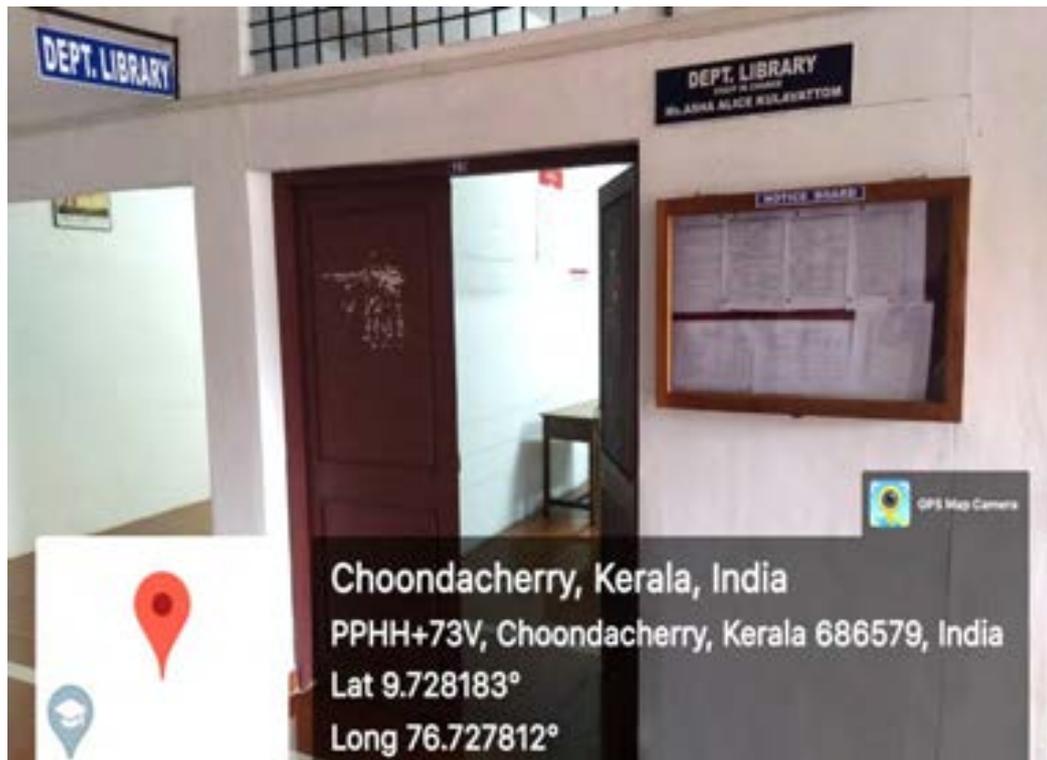


Figure 1: Department Library - Dept. of CE



Figure 2 Department Library - Dept. of CE

Department	Department of Computer Science & Engineering
Name of Amenity	Department Library
Room Number	201
Location	Mother Theresa Block
Total Floor Area	37.45 m ²
Additional facility in the described area	Wi-Fi, LAN, Computer

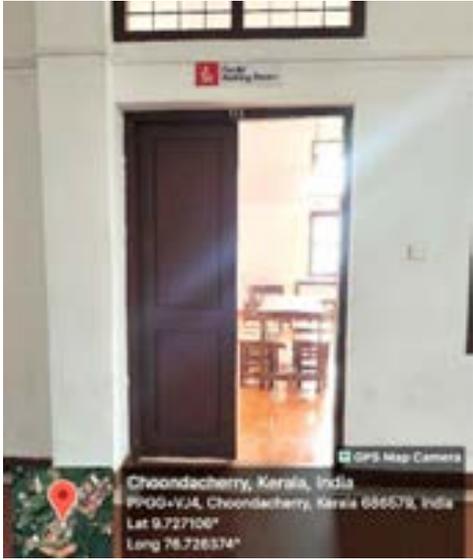


Figure 3: Department Library CSE



Figure 4: Department Library CSE

COMMON AMENITIES

Name of Amenity	Gent's Waiting Room
Room Number	113
Location	Mother Theresa Block
Total Floor Area	45.97 m ²
 <p>Figure 1: Waiting Room (Gents)</p>	 <p>Figure 2: Waiting Room (Gents)</p>

Name of Amenity	Ladies Waiting Room
Room Number	108
Location	Mother Theresa Block
Total Floor Area	45.97 m ²
 <p>Figure 3: Waiting Room (Ladies)</p>	 <p>Figure 4: Waiting Room (Ladies)</p>



Name of Amenity	Ladies Toilet
Room Number	016
Location	St. Francis Block, First Floor
Total Floor Area	28.45 m ²
Additional facility in the described area	Wash Room Area



Figure 5: Ladies' Washroom & Toilet

Name of Amenity	Gent's H. Toilet (For Differentially abled)
Room Number	105
Location	St. Francis Block, First Floor
Total Floor Area	4.05 m ²



Figure 6: Toilet for differently abled (Ladies)

Name of the Amenity	Visitors Lounge
Location	St. Joseph's Block, Ground floor
Total floor area	87.6 m ²



Figure 7: Visitors Lounge

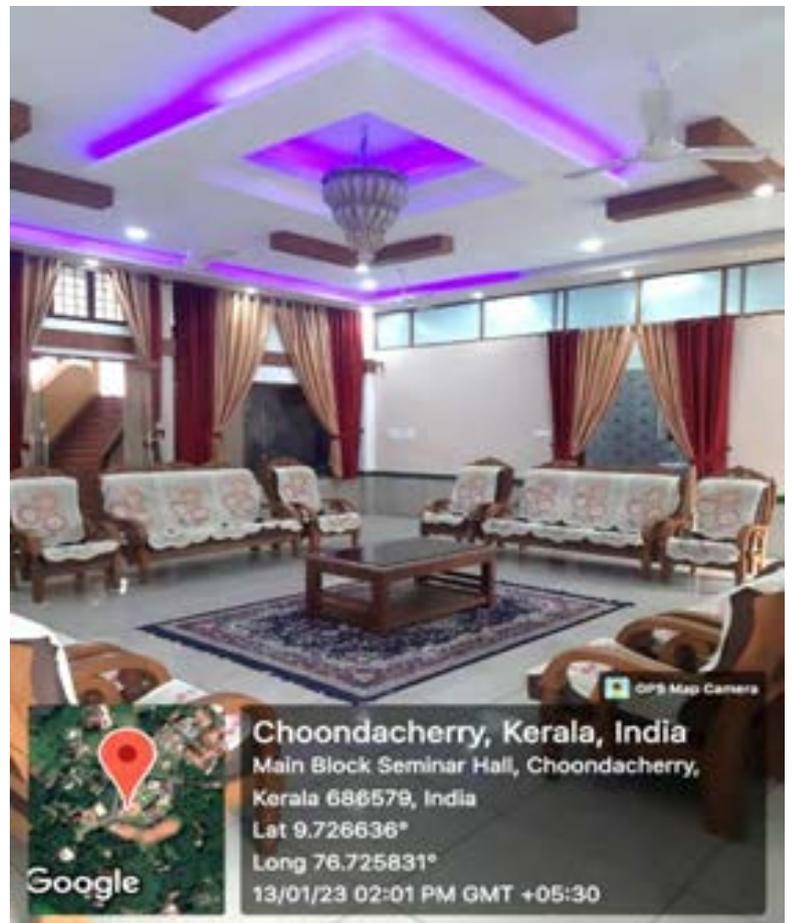


Figure 8: Visitors Lounge

Name of the Amenity	Einstein Hall
Location	Near St. Francis Block
Total floor Area	2250 m ²



Figure 9: Einstein Hall – Multipurpose Building



Figure 10: Einstein Hall – Multipurpose Building

Name of the Amenity	St. Joseph's Seminar Hall
Location	St. Joseph's Block, Second floor
Total floor area	136.84 m ²



Figure 11: St. Joseph's Seminar Hall

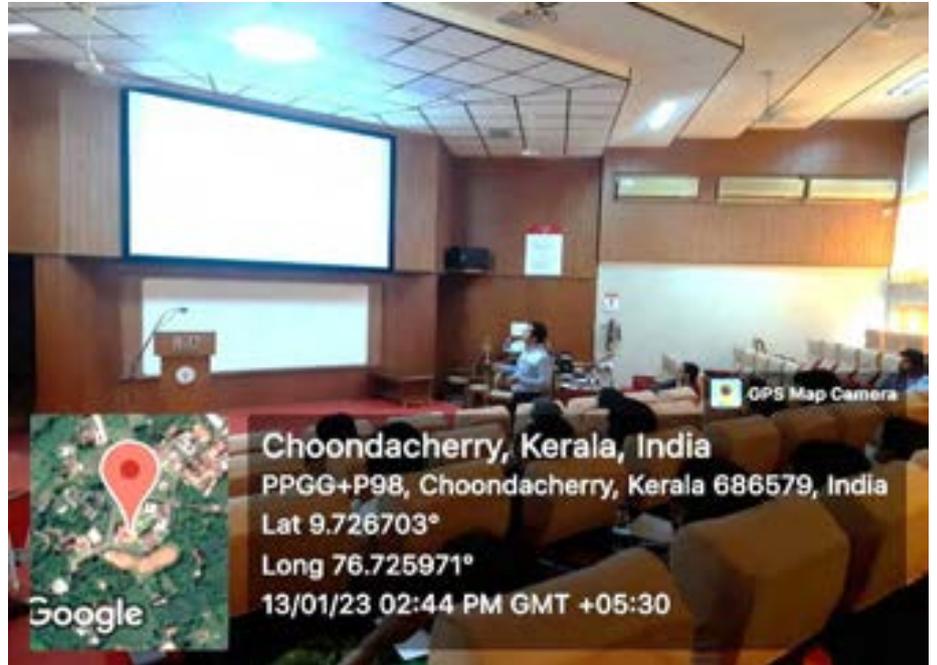


Figure 12: St. Joseph's Seminar Hall

Name of Amenity	MTB Seminar Hall
Room Number	315
Location	Mother Theresa Block (4 th Floor)
Total Floor Area	236.41 m ²

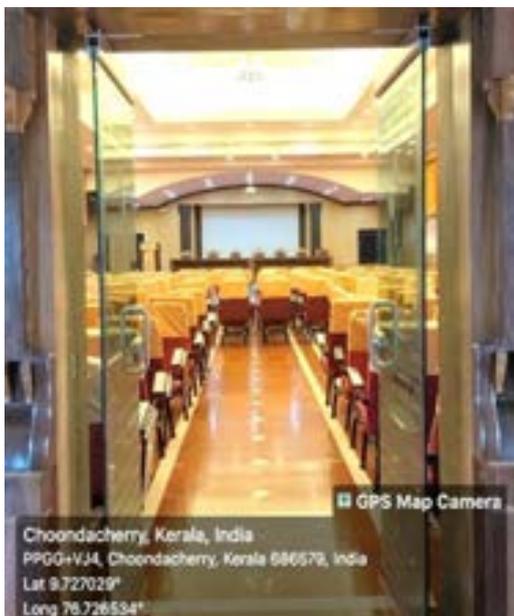


Figure 13: MTB Seminar Hall



Figure 14: MTB Seminar Hall

Name of Amenity	St. Francis Hall
Room Number	009
Location	St. Francis Block, First Floor
Total Floor Area	435 m ²
Additional facility in the described area	<ul style="list-style-type: none"> ➤ 450 comfortable seating capacity with executive chairs ➤ Centralized air conditioning system. ➤ High-speed LAN and Wi-Fi connection. ➤ Projector, TV, Computer, CCTV and High- quality audio facilities.

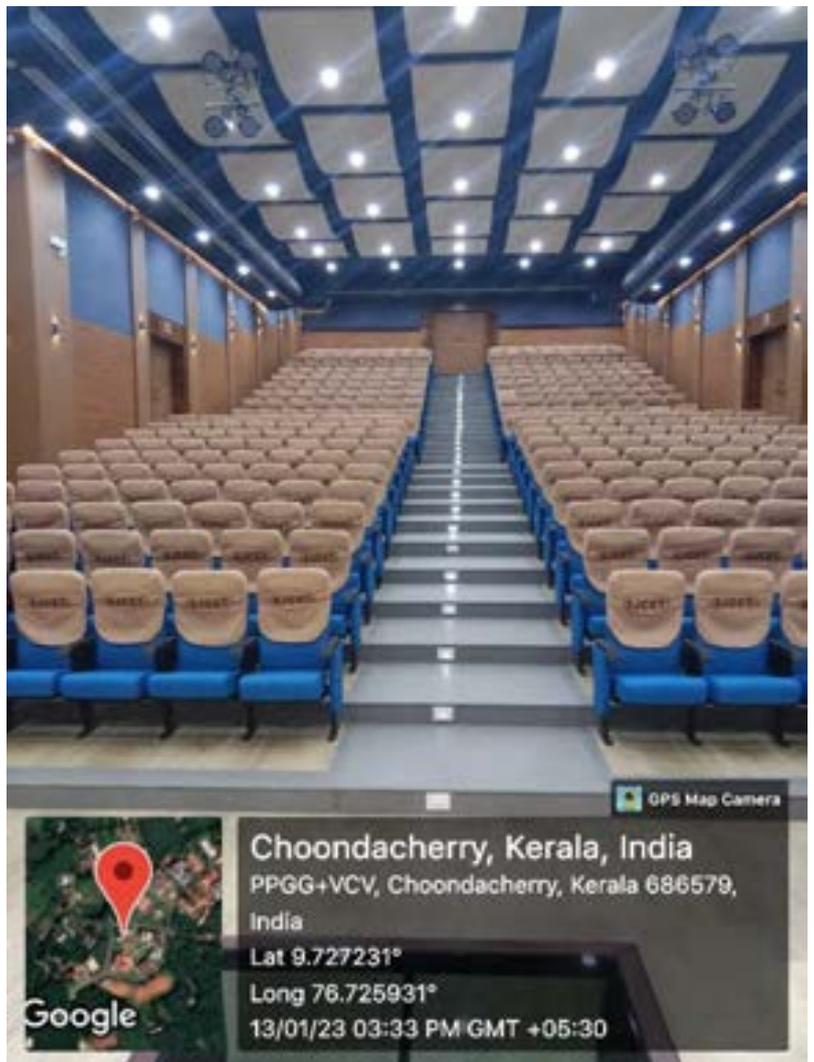


Figure 15: St. Francis Hall

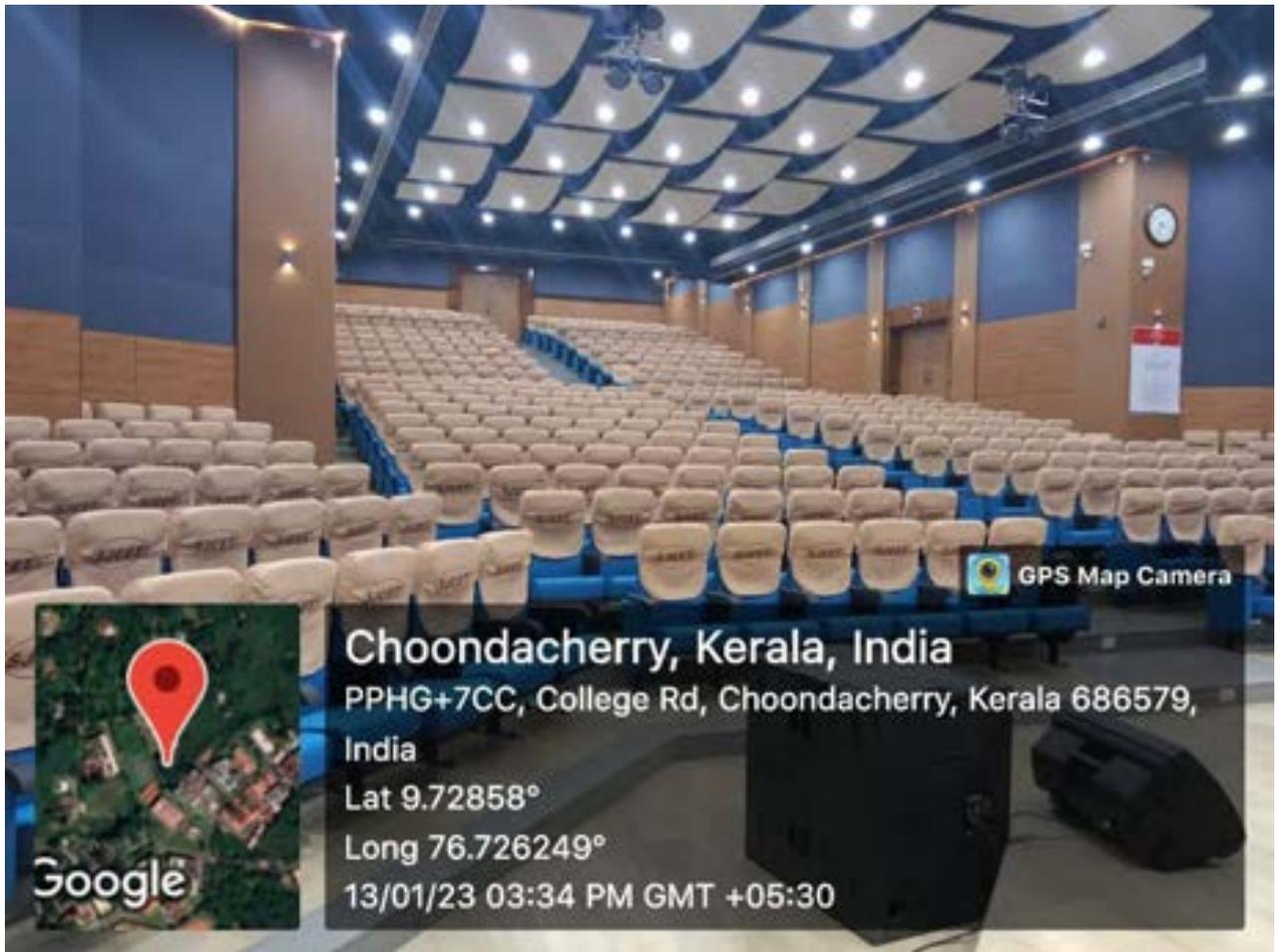


Figure 16: St. Francis Hall

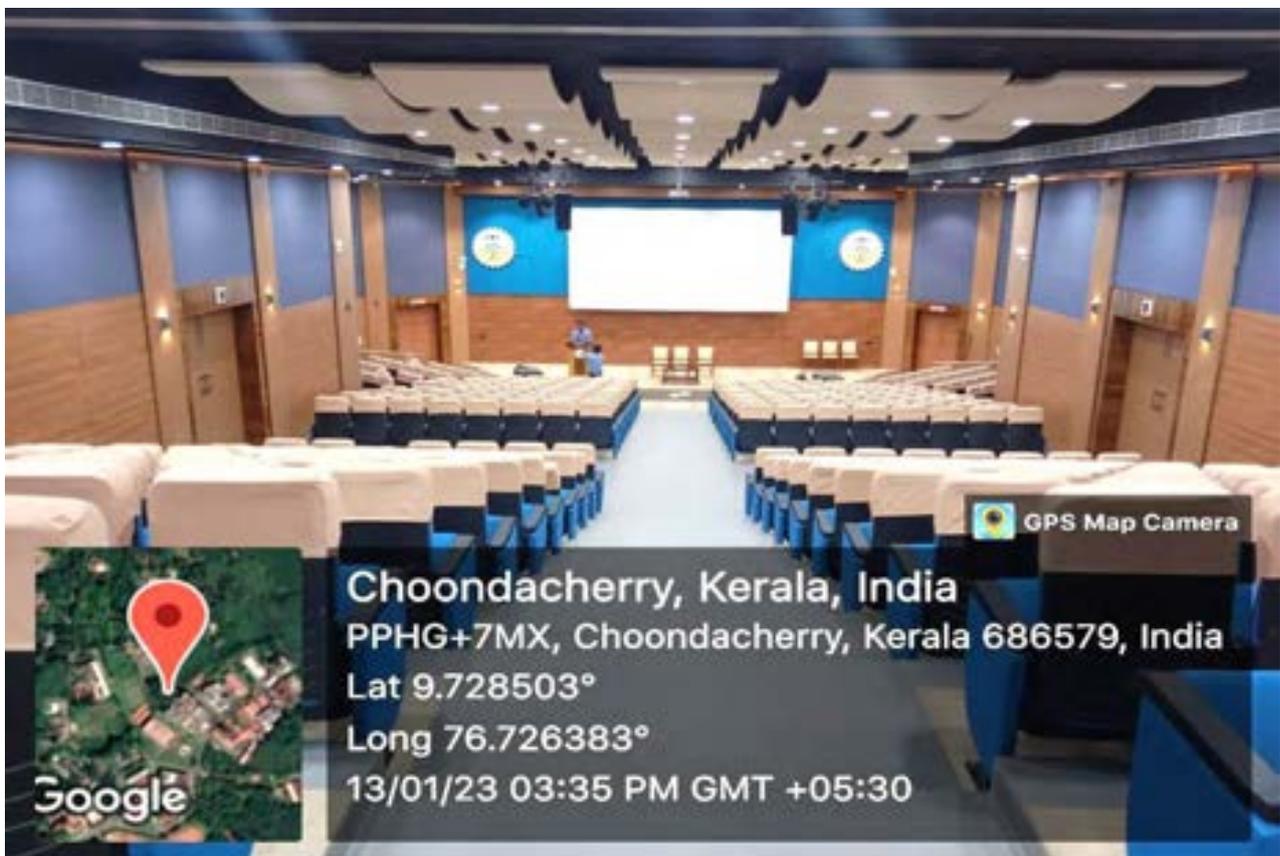


Figure 17: St. Francis Hall

Name of the Amenity	Board Room
Location	St. Joseph's Block, First floor
Total floor area	105.58 m ²

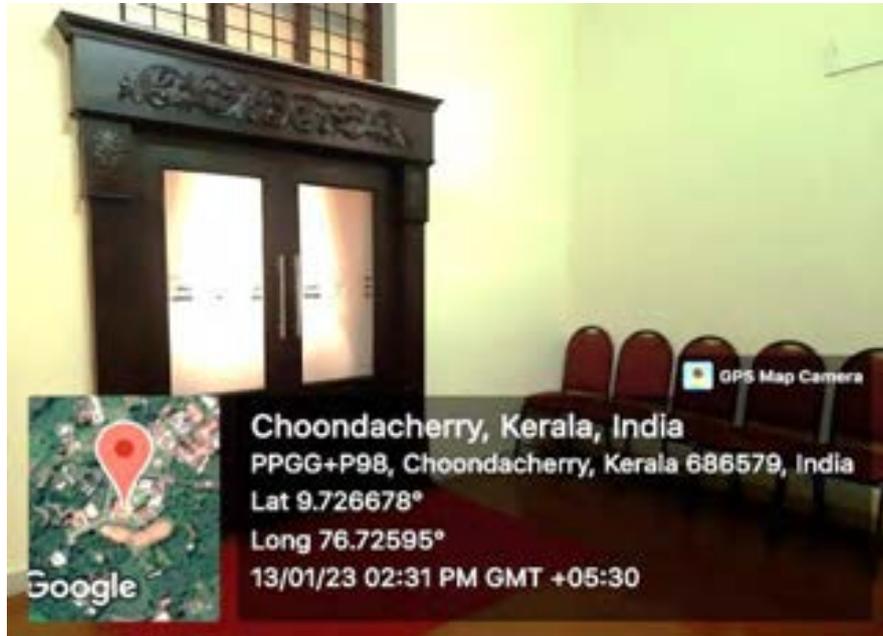


Figure 18: Board Room

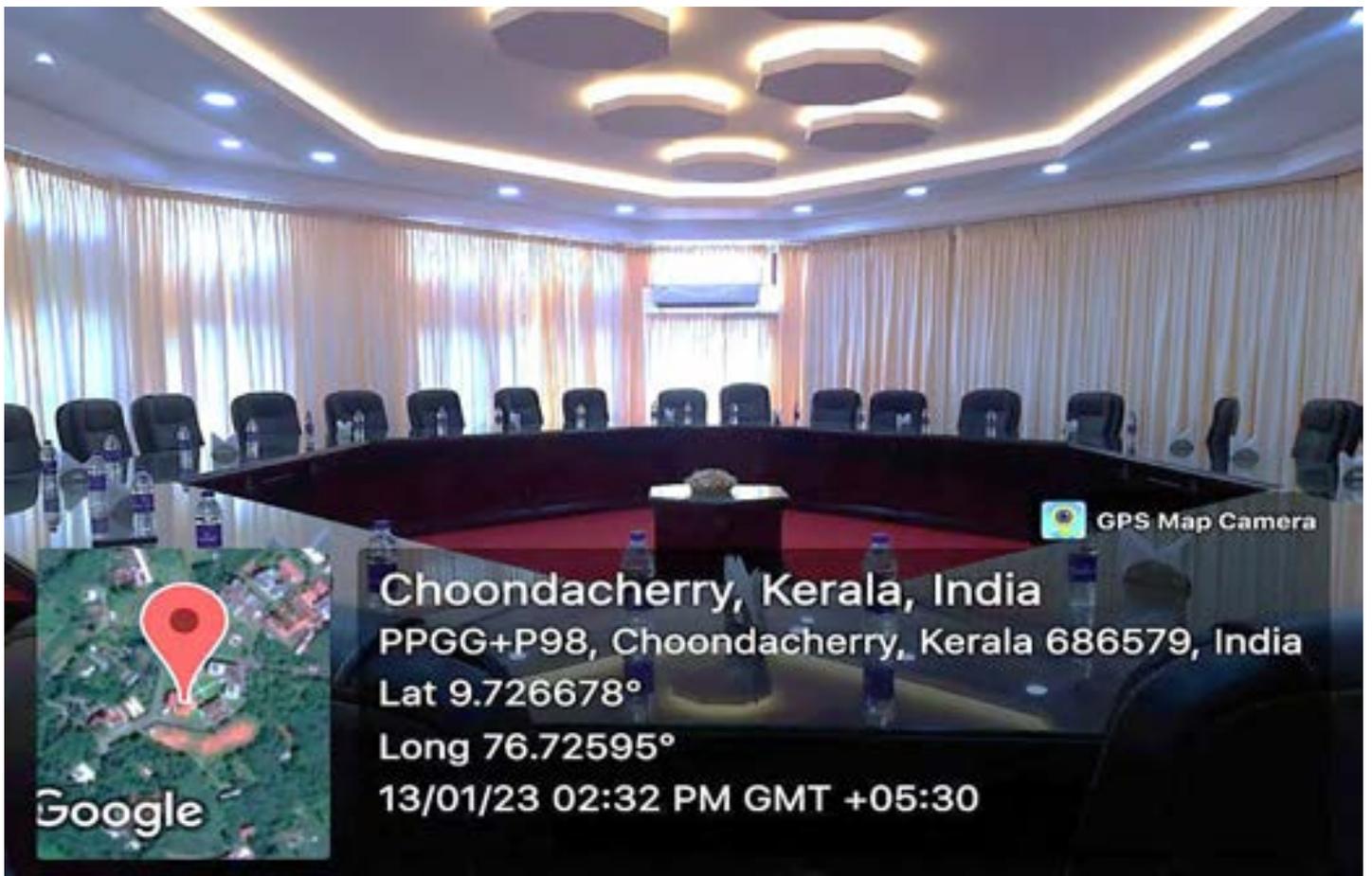


Figure 19: Board Room

Name of the Amenity	Central Computing Facility
Location	St. Joseph's Block, Ground floor
Total floor area	168 m ²



Figure 20: Central Computing Facility (CCF)

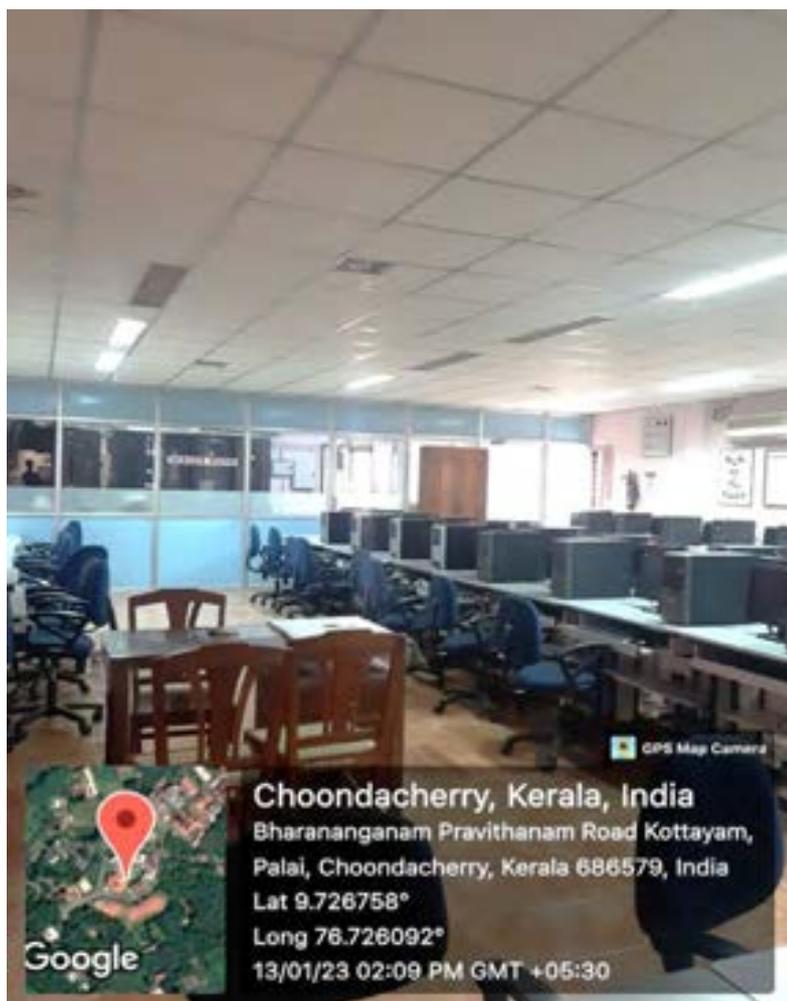


Figure 21: Central Computing Facility (CCF)

Name of Amenity	Library and Information Division
Location	Mother Teresa Block, Ground Floor
Total floor area	1088m ²
Additional facility in the described area	Wi-Fi, LAN, Research Scholars Cubicles, References, Reprographic facility, Washroom

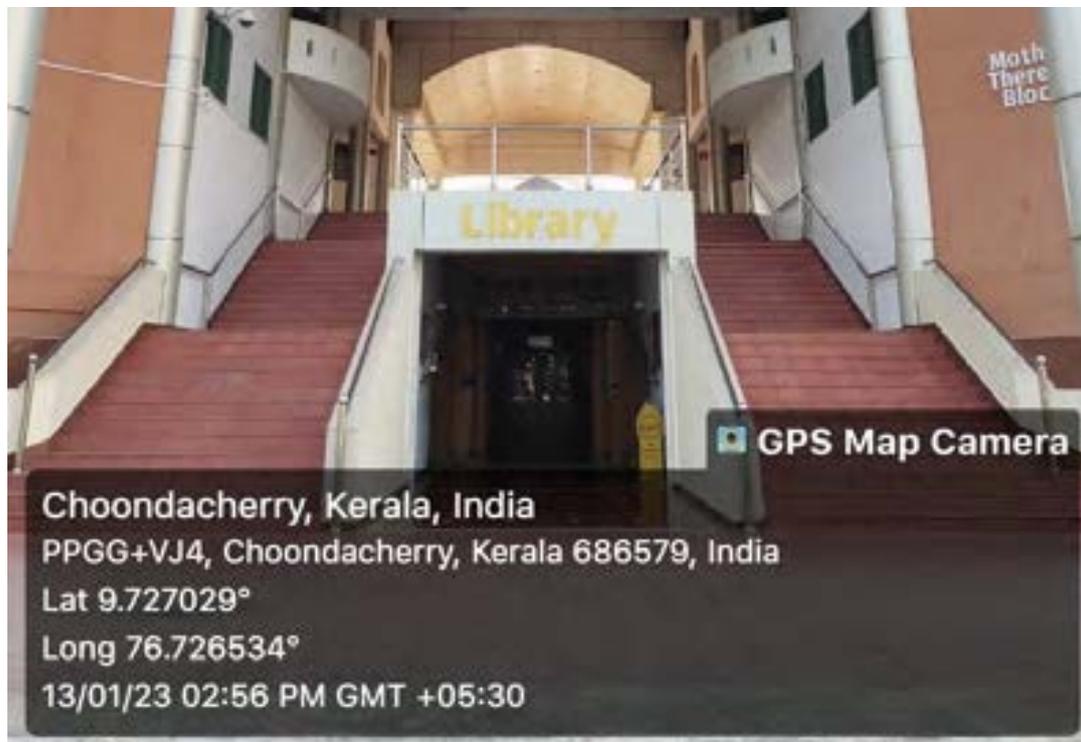


Figure 22: Library and Information Division

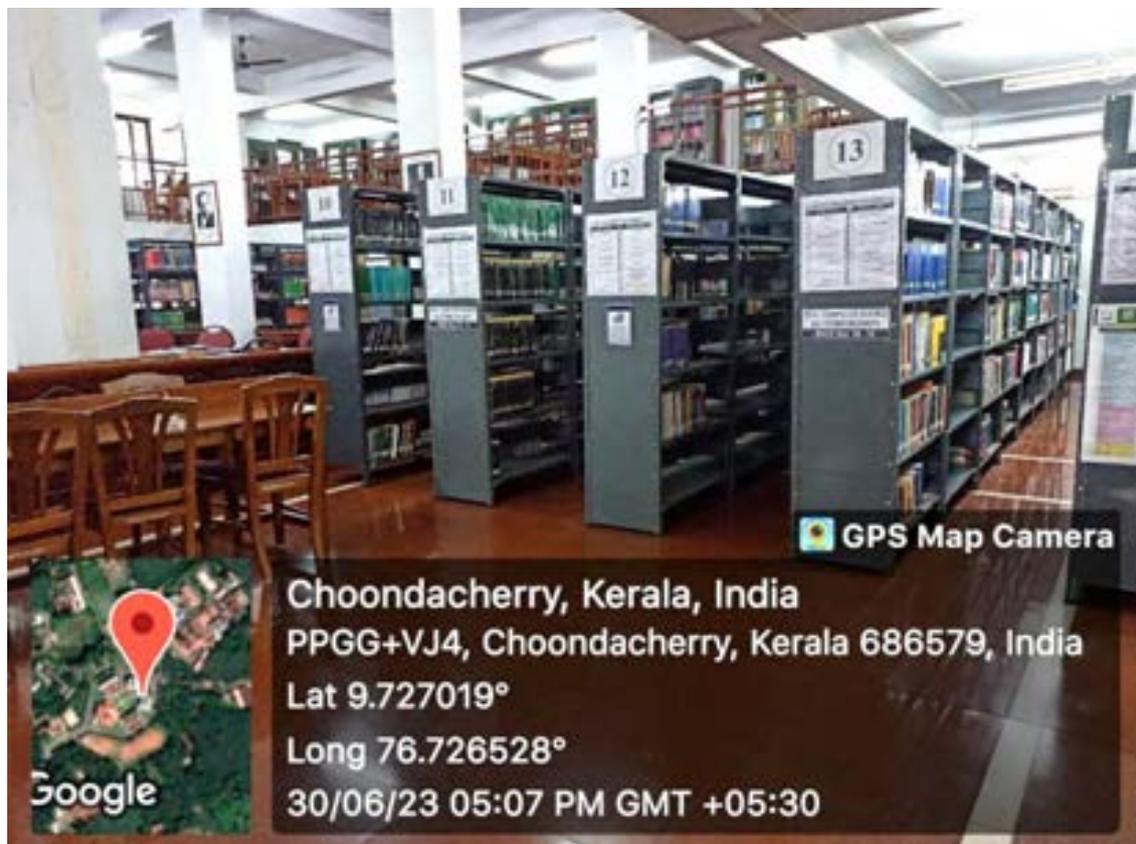


Figure 23: Library and Information Division

Name of Amenity	Boot Camp & Maker Space
Room Number	101,102
Location	Mother Theresa Block Ground Floor
Total Floor Area	164 m ²



Figure 24: Boot Camp & Maker Space

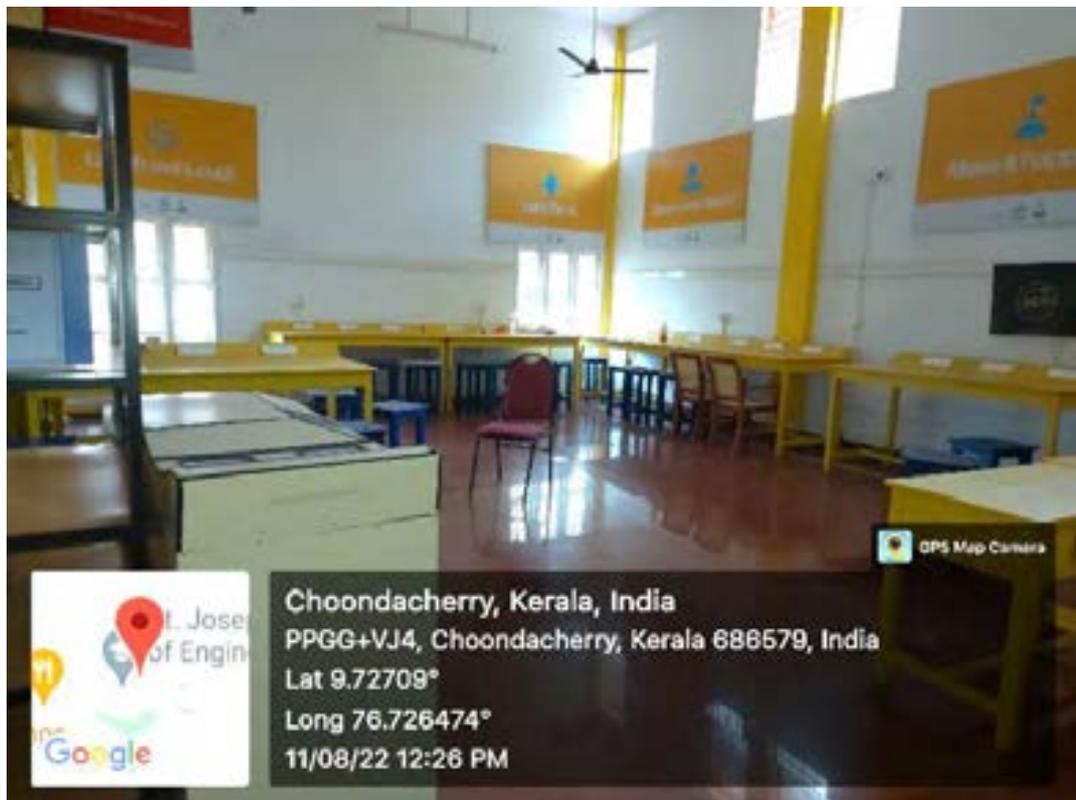


Figure 25: Boot Camp

Name of Amenity	Food Court
Location	Entrance of the campus
Total floor Area	539 m ²



Figure 26: Food Court



Figure 27: Food Court



Figure 28: Food Court

Department	Electronics and Communication Engineering
Name of Amenity	Maintenance Wing (Room No. 09)
Location	Electronics Lab Block (Ground floor)
Total floor Area	15.9 m ²
Additional facility in the described area	Fire Extinguisher, First aid box



Figure 29: Maintenance Wing

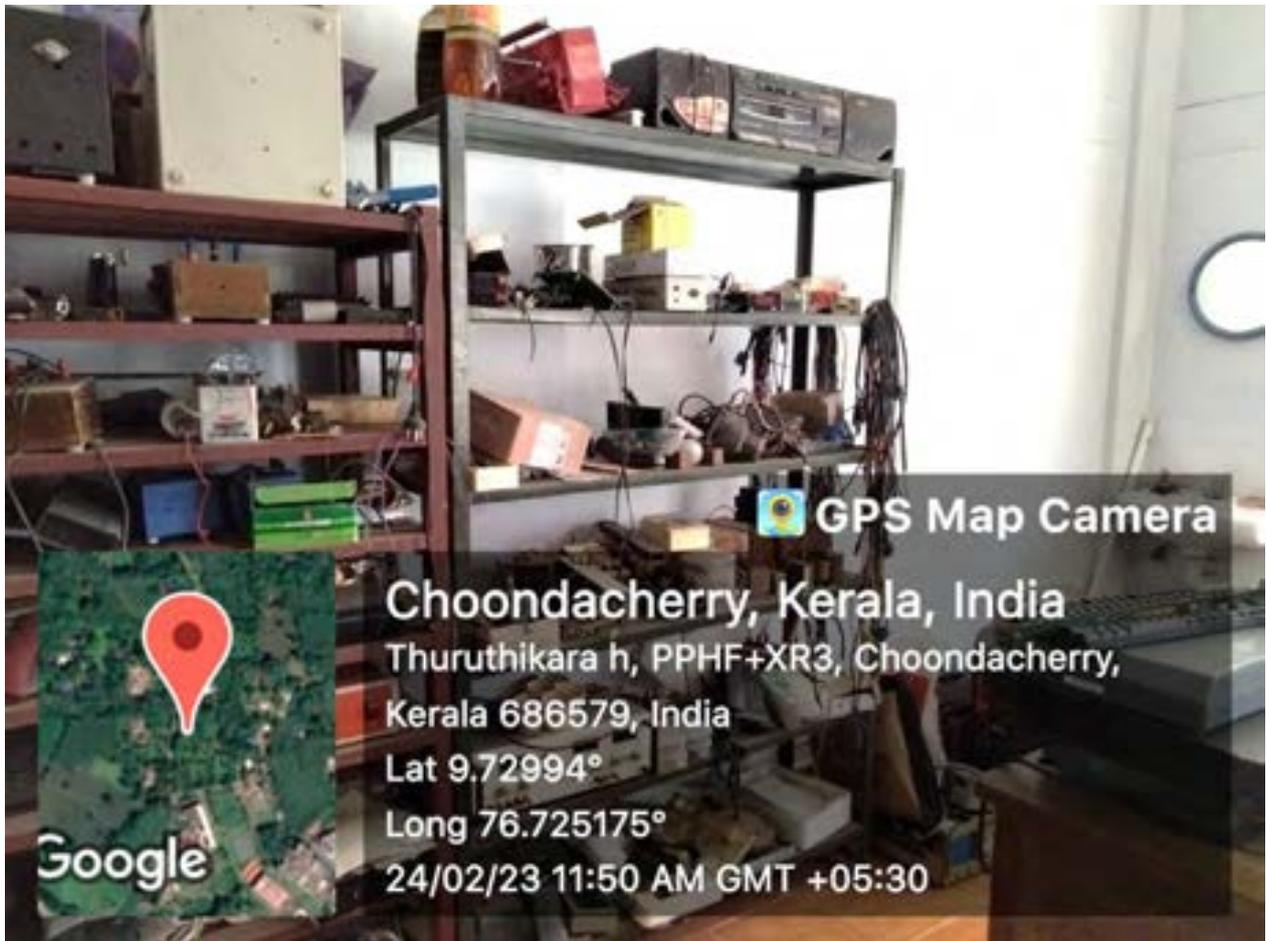


Figure 30: Maintenance Wing

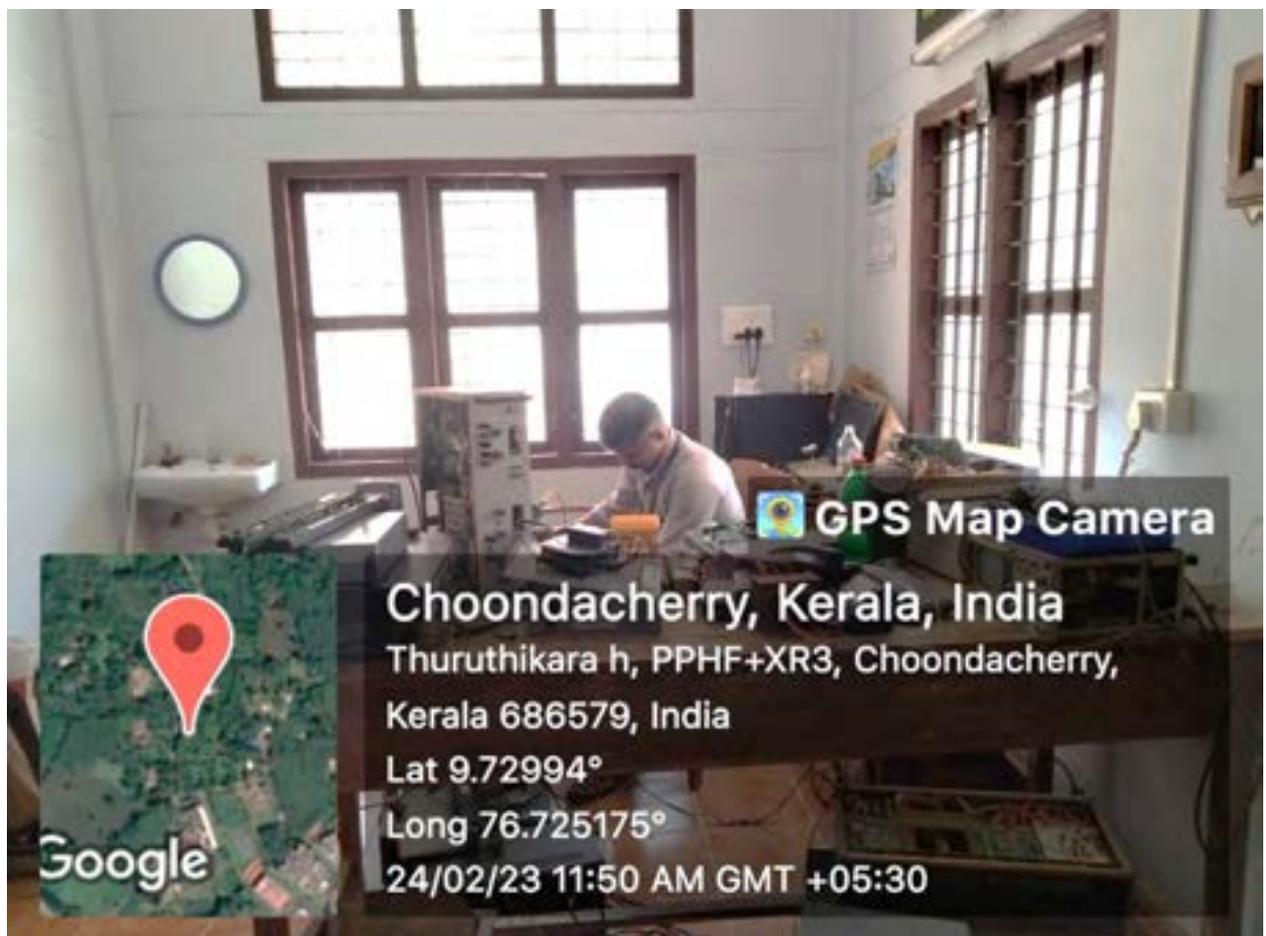


Figure 31: Maintenance Wing

HOSTELS & QUARTERS

Name of the Amenity	St. Thomas Hostel (for Men)
Location	In front of the college
Total floor Area	5662 m ²



Figure 1: St.Thomas Hostel for men

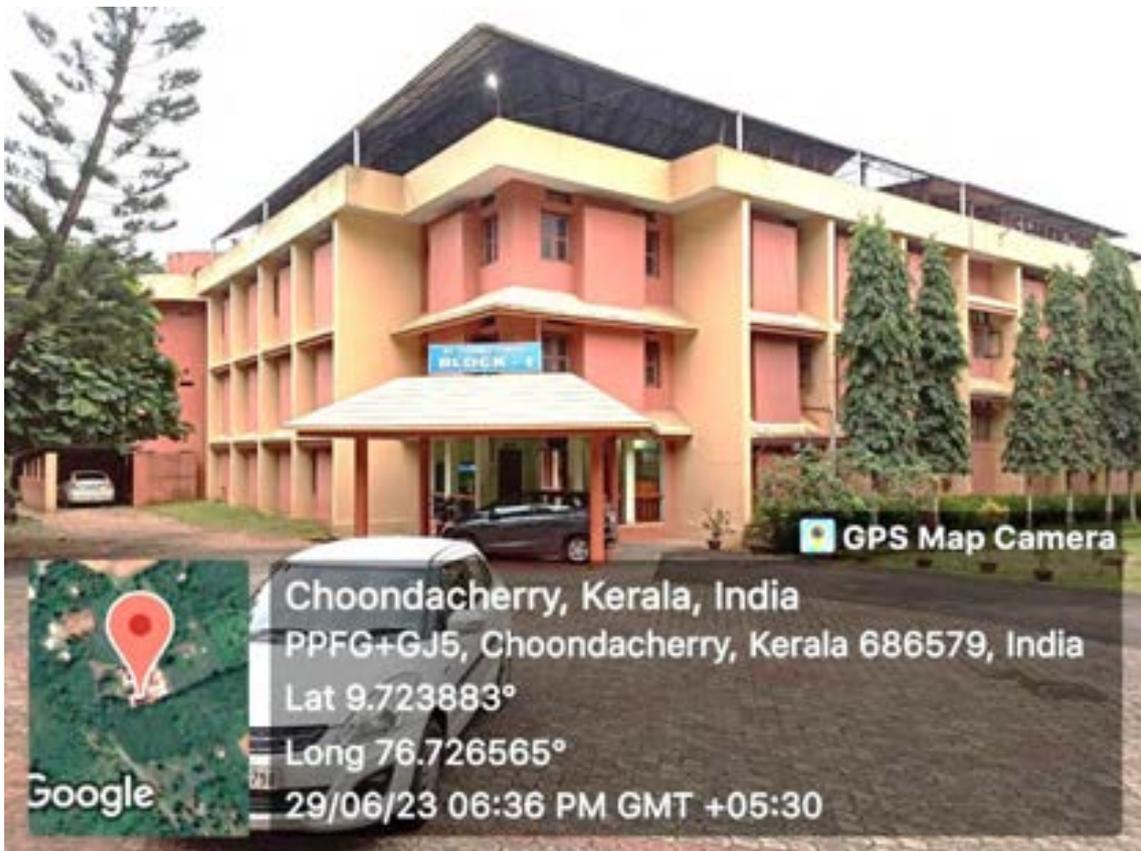


Figure 2: St.Thomas Hostel for men

Name of the Hostel	St. Mary's Hostel for Girls
Location	St. Mary's Hostel for Girls
Total floor Area	3423 m ²



Figure 3: St. Mary's Hostel for Ladies



Figure 4: St. Mary's Hostel for Ladies

Name of Facility	Principal's Quarters
Location	Outside the campus
Total floor Area	220 m ²

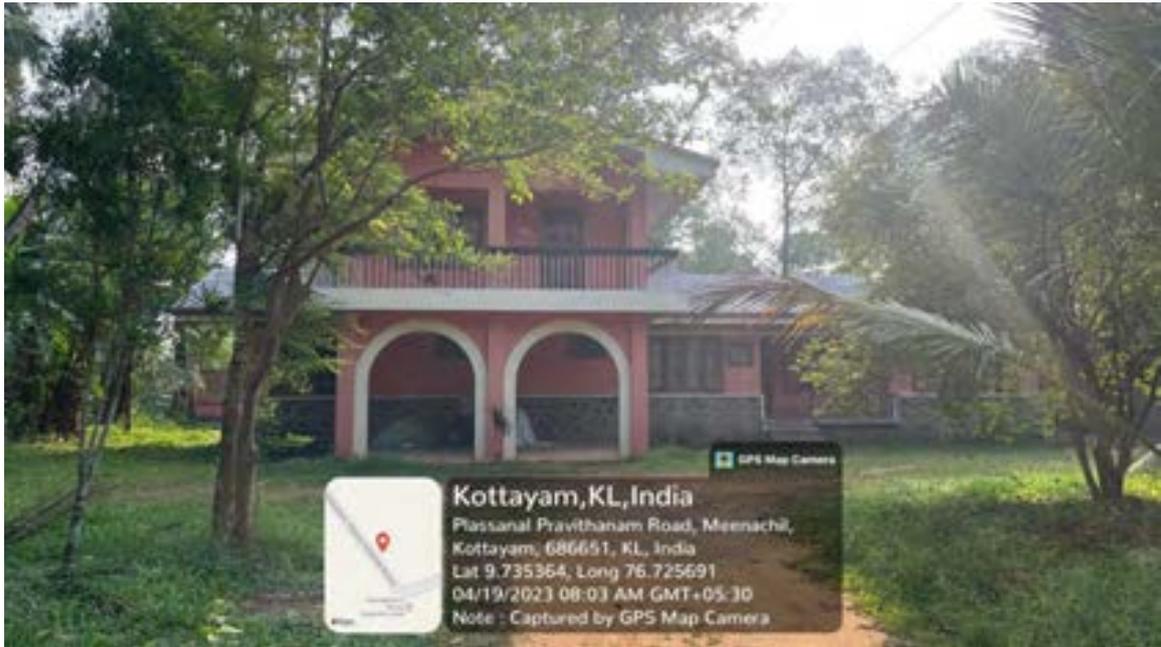


Figure 5: Principal's Quarters

PHYSICAL & MENTAL HEALTH REVIVING PRACTICES/FACILITIES

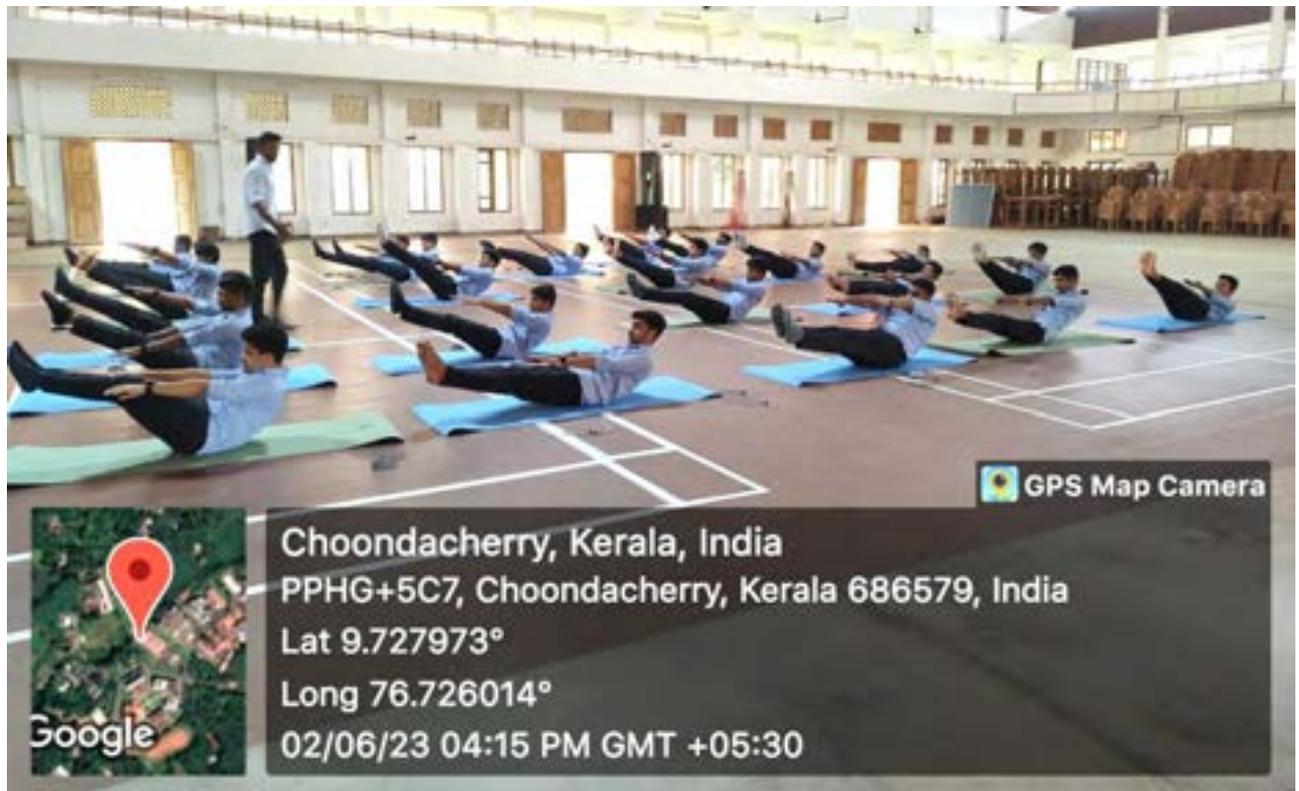


Figure 1: Yoga Practice



Figure 2: Yoga Practice



Figure 3: NCC Parade



Figure 4: Annual Sports



Figure 5: Annual Sports



Figure 6: Annual Arts Festival (SARGAM)



Figure 7: Annual Tech Fest (ASTHRA)



Figure 8: Annual Tech Fest (ASTHRA)

Name of Facility	Football Ground
Location	Inside the campus
Total floor Area	24000 m ²



Figure 9: Football Ground

Name of Facility	Basket ball court
Location	In front of the college
Total floor Area	220 m ²

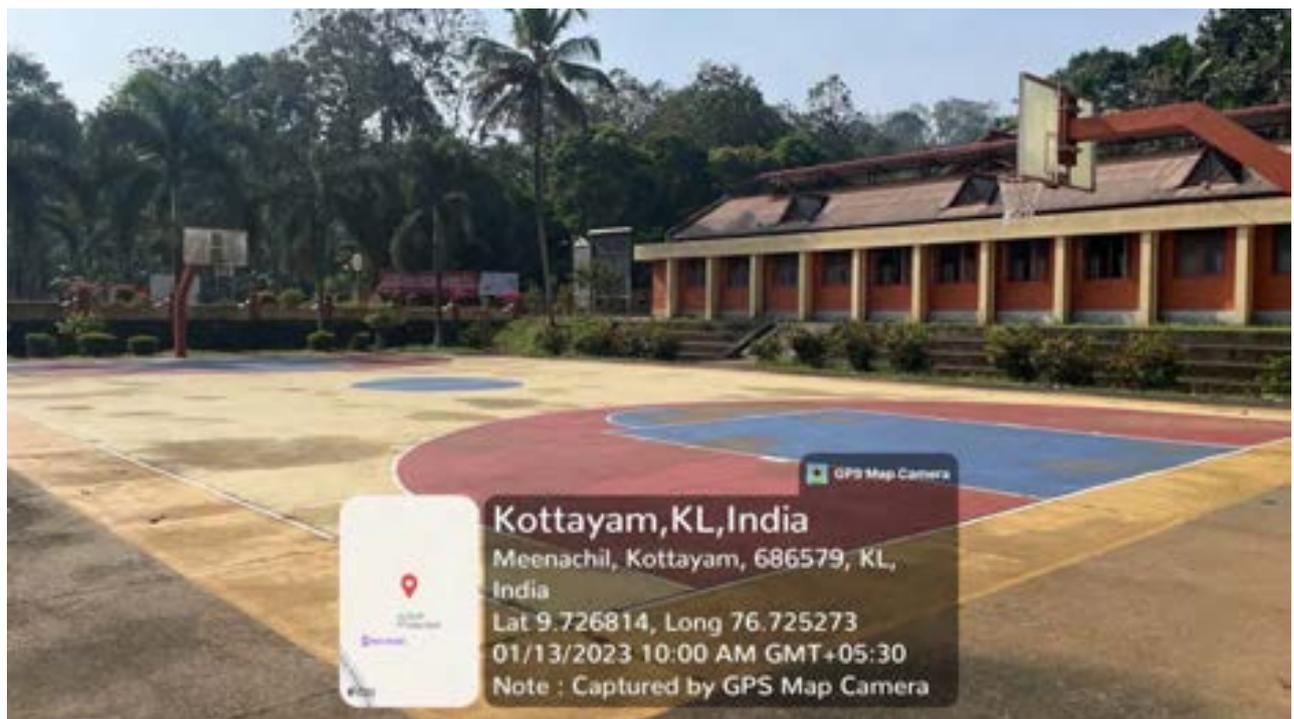


Figure 10: Basket ball court

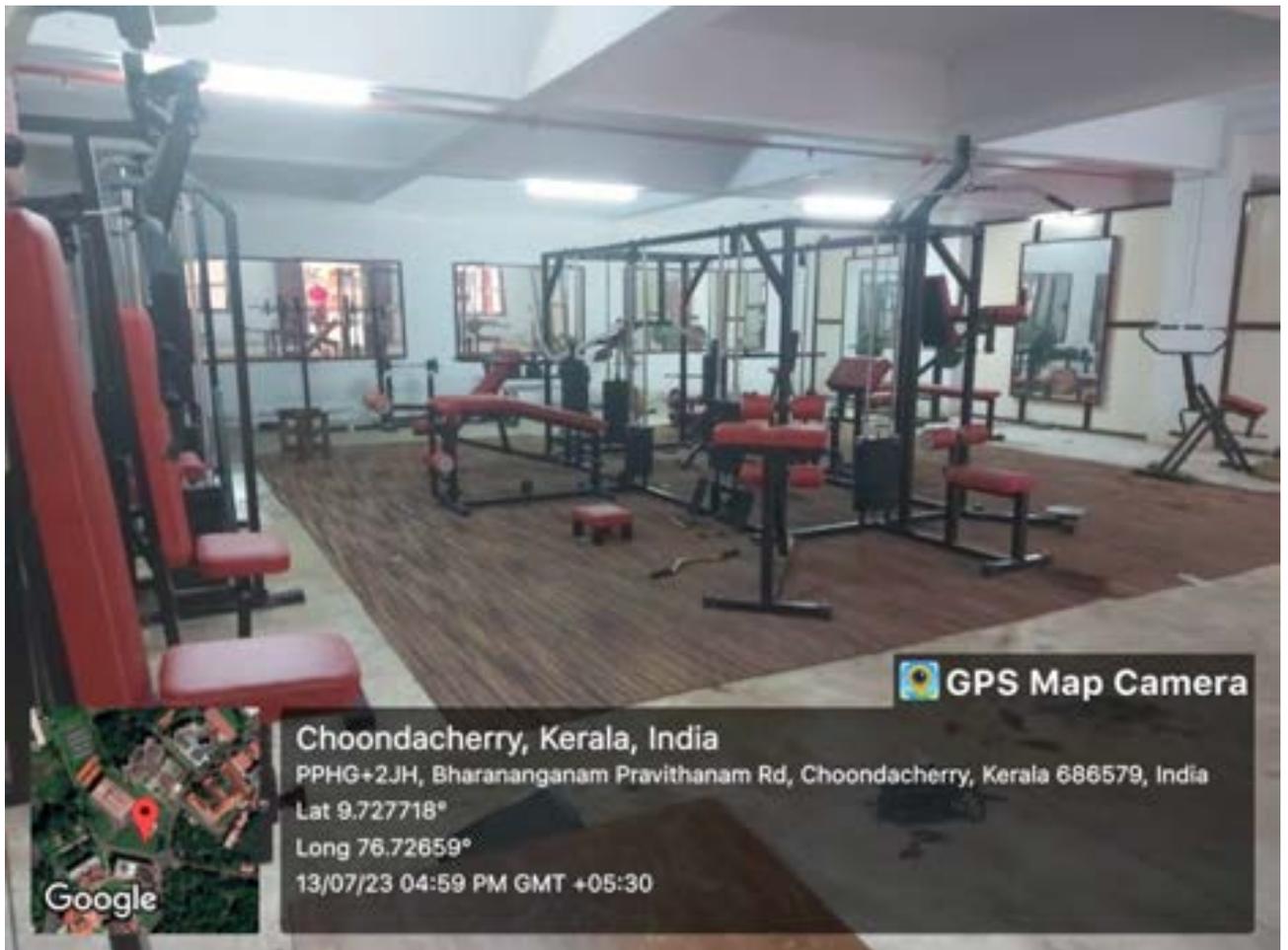


Figure 11: Gymnasium for men

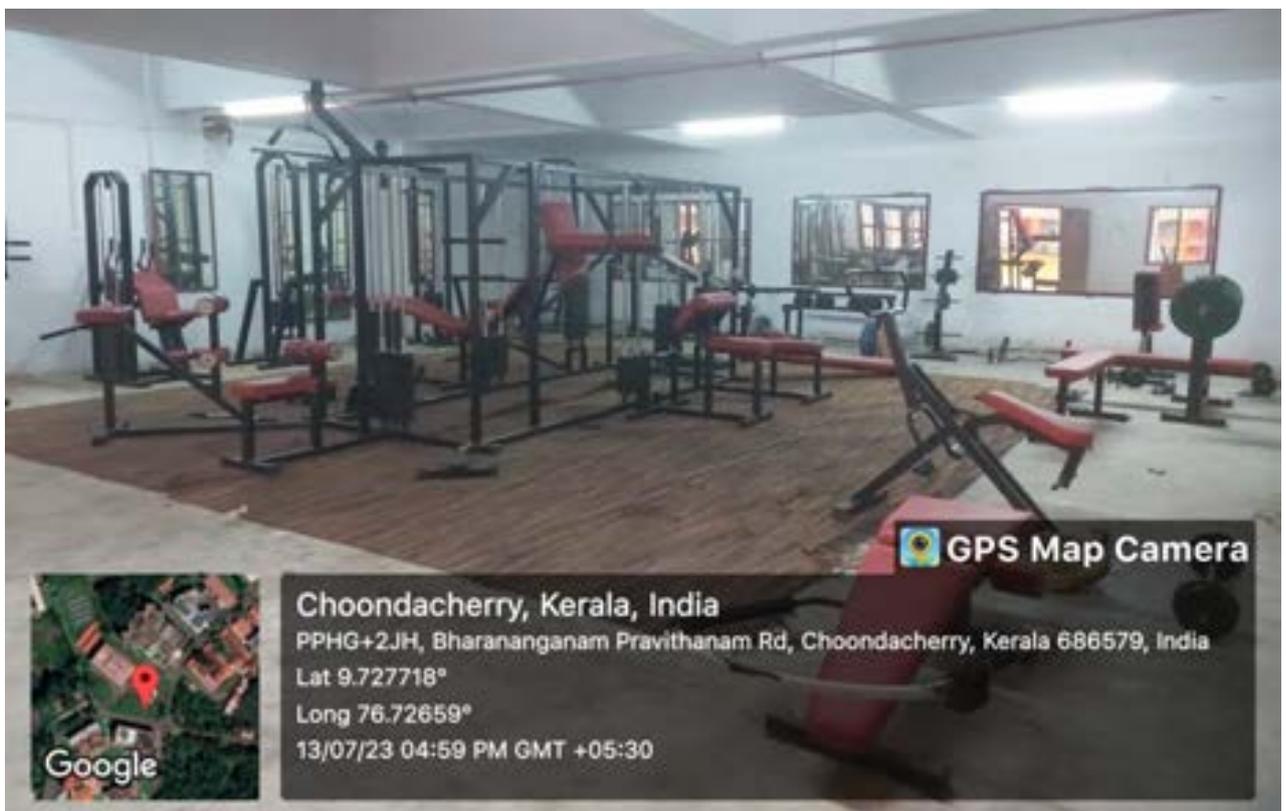


Figure 12: Gymnasium for men



Figure 13: Gymnasium for ladies



Figure 14: Gymnasium for ladies



Figure 15: Medicare

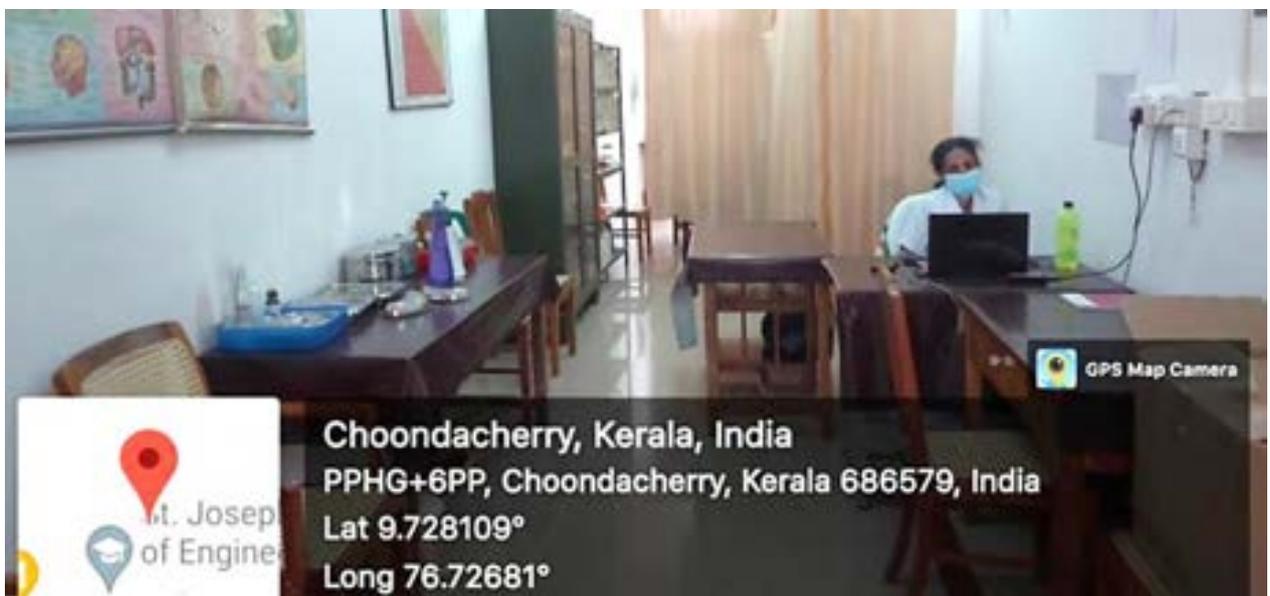


Figure 16: Medicare

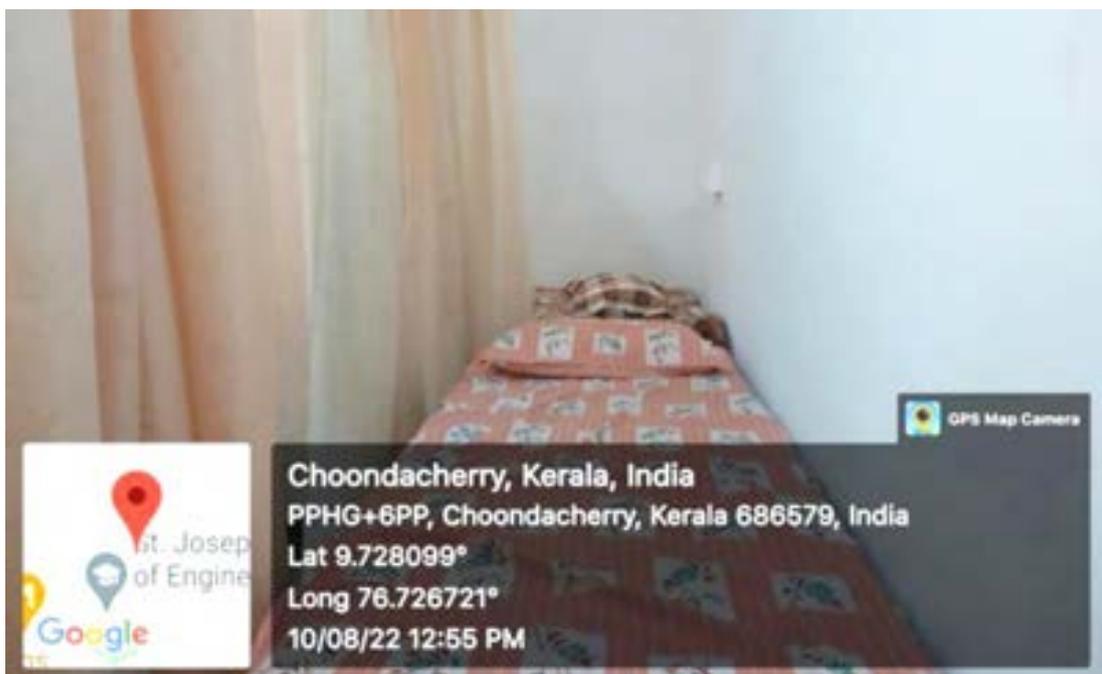


Figure 17: Medicare

OTHER FACILITIES

Name of facility	Post Office
Location	In front of the College
Total floor Area	11.14 m ²



Figure 1: Post Office

Name of Facility	Bank
Location	In front of the college
Total floor Area	204 m ²



Figure 2: Bank

Name of Facility	Parking area Two wheeler
Location	In front of the college
Total floor Area	750 m ²



Figure 3: Vehicle Parking Facility for students (Parking area)

Name of Facility	Heritage Museum
Location	Near Newton Block
Total floor Area	1200 m ²



Figure 4: Heritage Museum



Figure 5: Heritage Museum



Figure 6: Heritage Museum

Name of Facility	Car parking for staff
Location	In front of the college
Total floor Area	6000 m ²



Figure 7: Car parking facility for staff

Name of Facility	11KV Substation and Generator Room
Location	Inside the campus
Total floor Area	102 m ²



Figure 8: 11 KV Substation

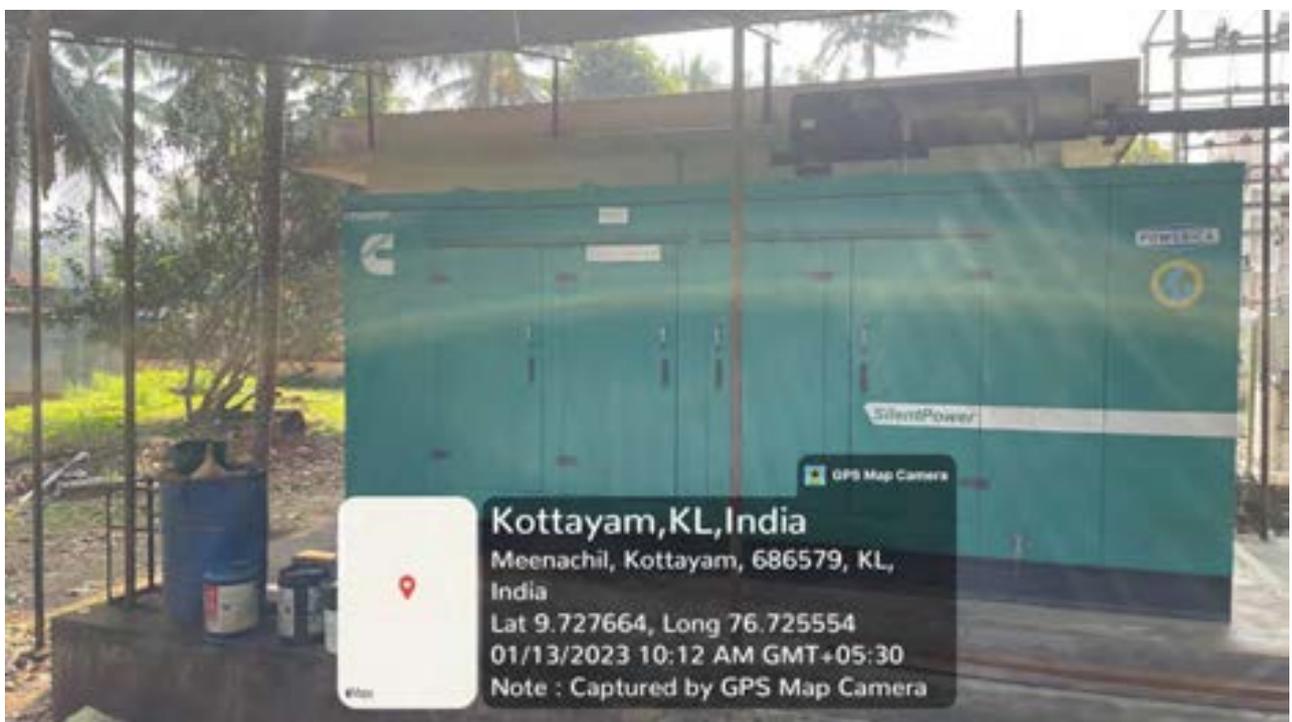


Figure 9: Power backup Generators

Name of Facility	Indoor Planting area
Location	Inside Campus
Total floor Area	52 m ²



Figure 10: Indoor Planting area

Name of Facility	Nakshatra Vanam (Star Forest)
Location	Near to Faculty House
Total floor Area	1500 m ²

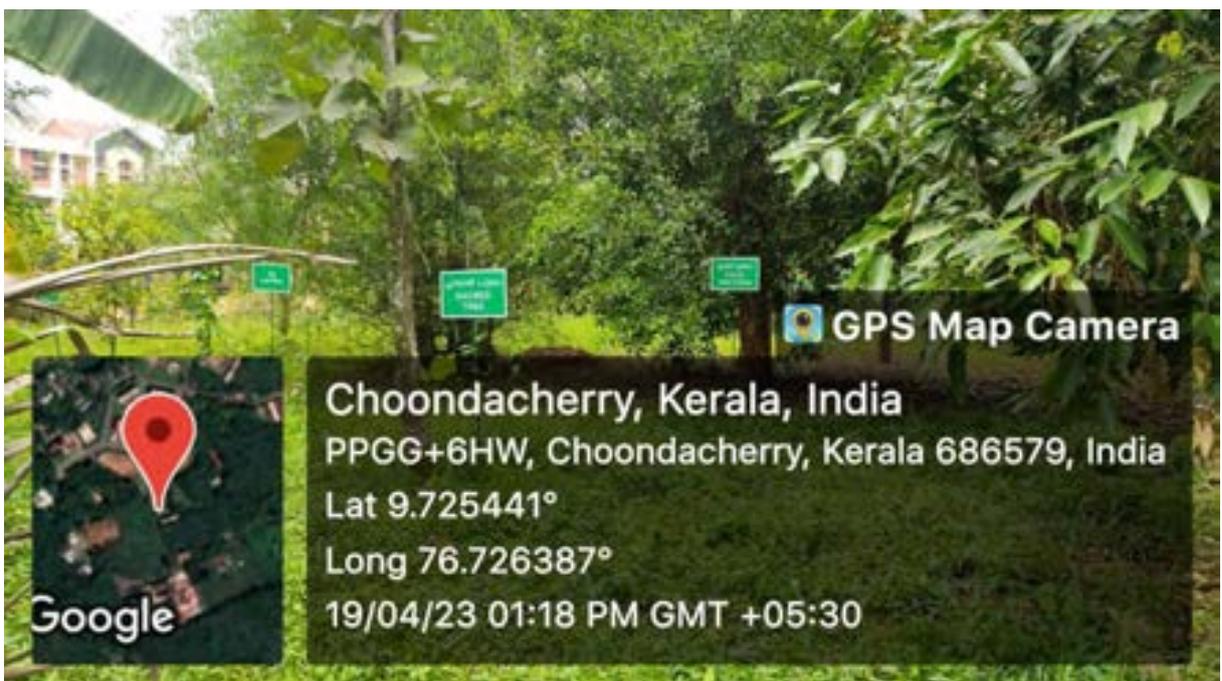


Figure 11: Nakshatra Vanam (Star Forest)

Name of Facility	Madona Cafeteria
Location	Near Mother Theresa Block
Total floor Area	92 m ²



Figure 12: Madona Cafeteria

Name of Facility	Solar Power Station
Location	Near Einstein Hall
Total floor Area	470 m ²



Figure 13: Solar Power Station

Name of Facility	Solar Power Plant-Roof Top
Location	Mother Theresa Block-Terrace



Figure 14: Solar Power Plant (Roof Top)

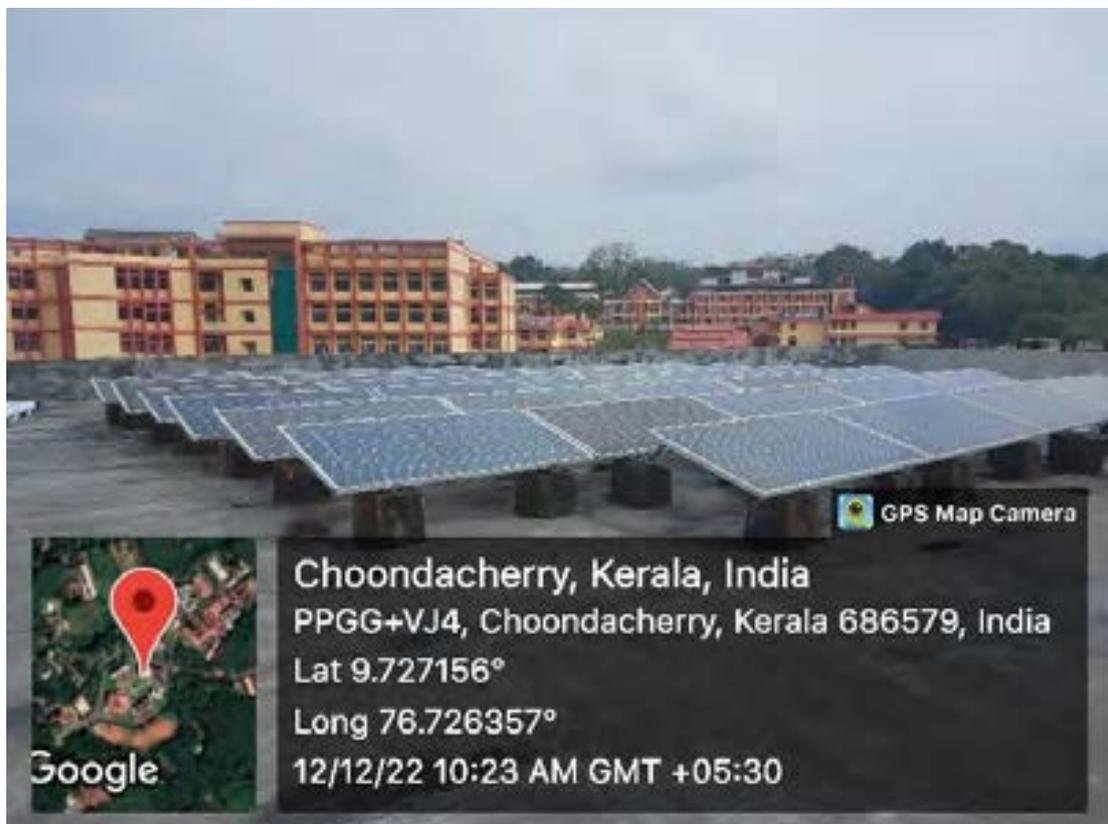


Figure 15: Solar Power Plant (Roof Top)

Name of Facility	Meteorological Centre
Location	Near Einstein Hall
Total floor Area	102 m ²



Figure 16: Meteorological Centre

Name of Facility	Incinerator
Location	St Alphonsa Hostel Road
Total floor Area	158.5 m ²

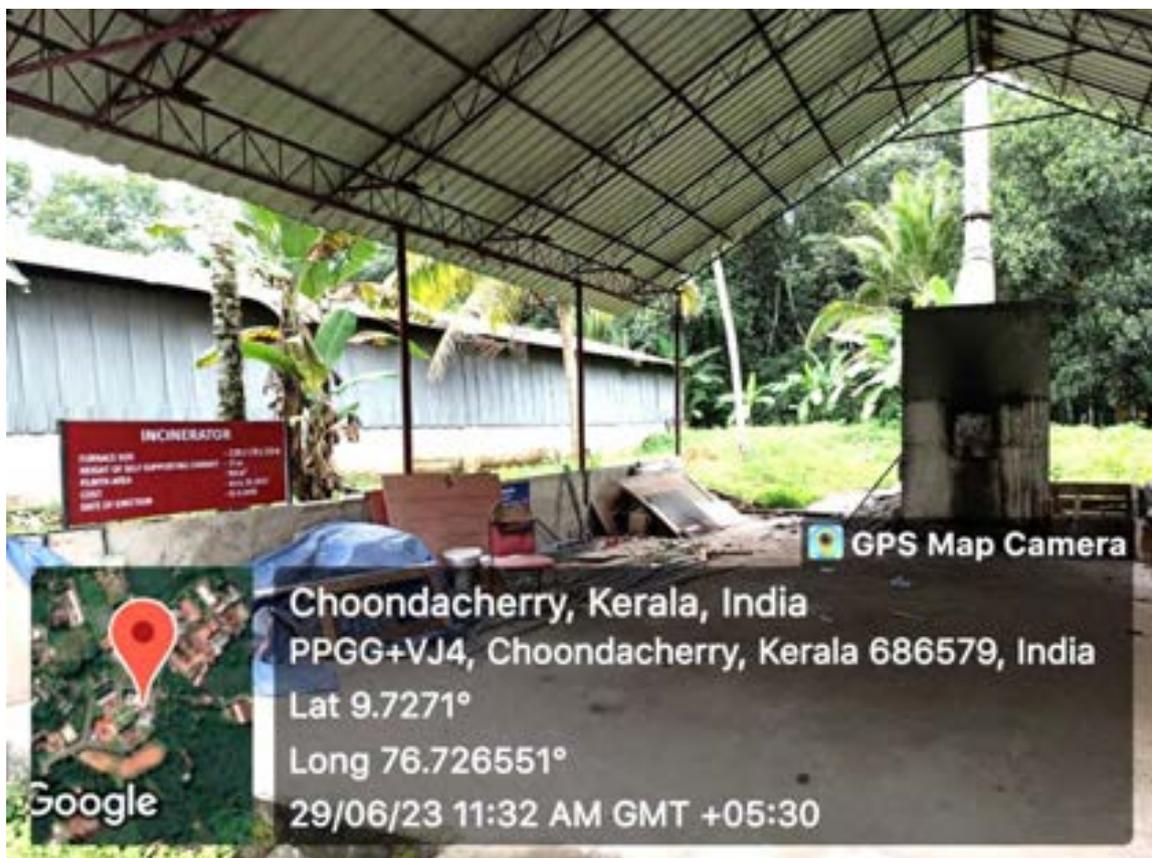


Figure 17: Incinerator

Facility	GSLV Model
Location	Entrance of College



Figure 18: GSLV Model

Name of Facility	Waste Water Treatment Plant
Location	St Alphonsa Hostel Road
Total floor Area	185 m ²



Figure 19: Waste Water Treatment Plant

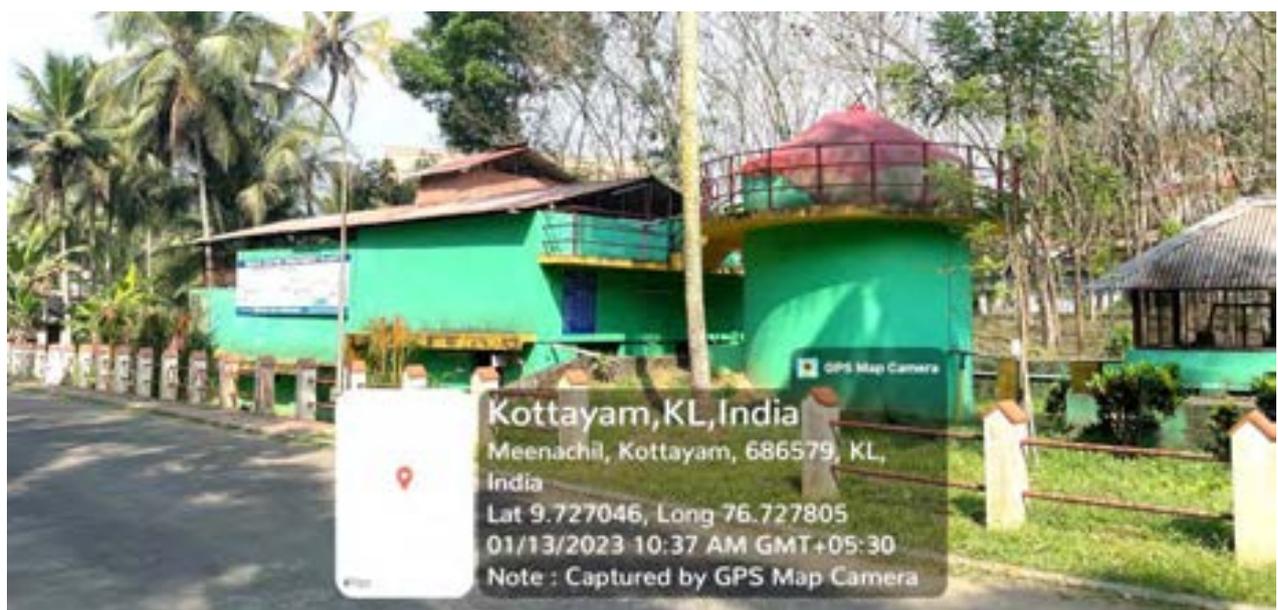


Figure 20: Waste Water Treatment Plant

Name of Facility	College Bus Facility
Number of buses	20



Figure 21: Bus Facility



Figure 22: Bus Facility