

**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(AUTONOMOUS),
HYDERABAD-75**

Name of the Department: Biotechnology

Intake: UG: 60 PG: Nil


No. Professors: Nil No. of Assoc. Professors:1

No. of Asst. Professors: 9

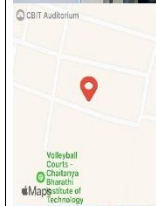
Number of faulty rooms: 10 Single: 10

shared: Nil

Infrastructural Information

<p>S. No1 HoD room: M-101 area: 35.11 inSq mts</p>	<p style="text-align: center;">Sample Photograph</p> 
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1 Classrooms : 4
M-203
M-204
M-205
Tutorial rooms: M-201A

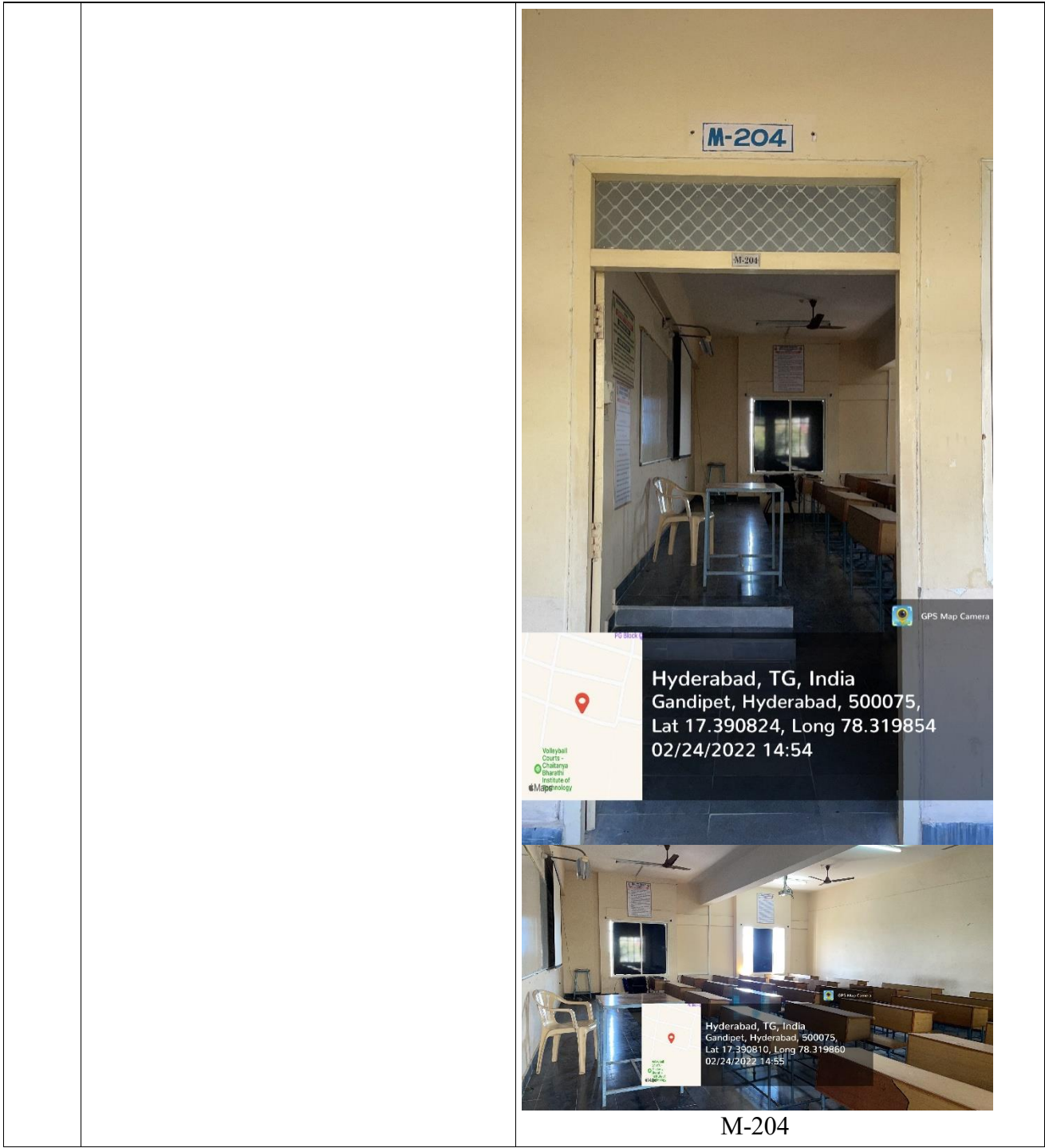


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Gandipet, Hyderabad, 500075,
Lat 17.390883, Long 78.319783
02/24/2022 14:53



Hyderabad, TG, India
Gandipet, Hyderabad, 500075,
Lat 17.390782, Long 78.319750
02/24/2022 14:54

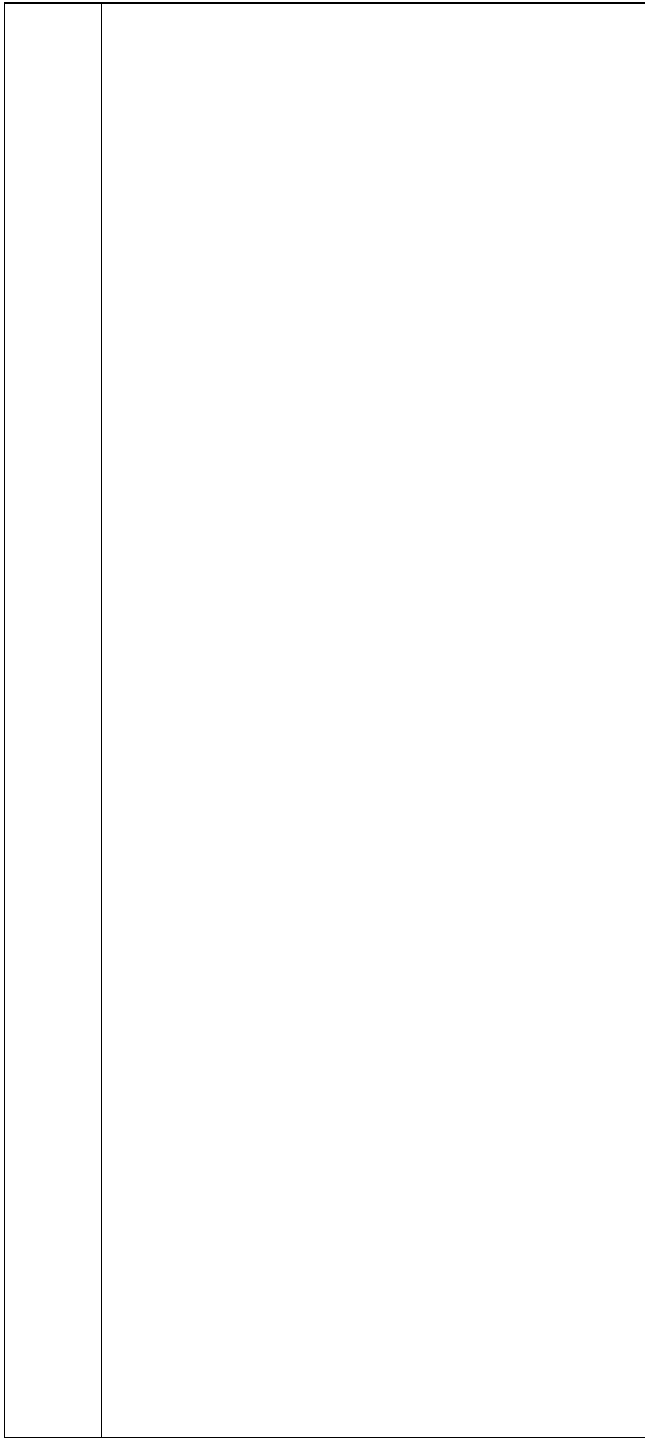
M-203



Hyderabad, TG, India
Gandipet, Hyderabad, 500075,
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M-204

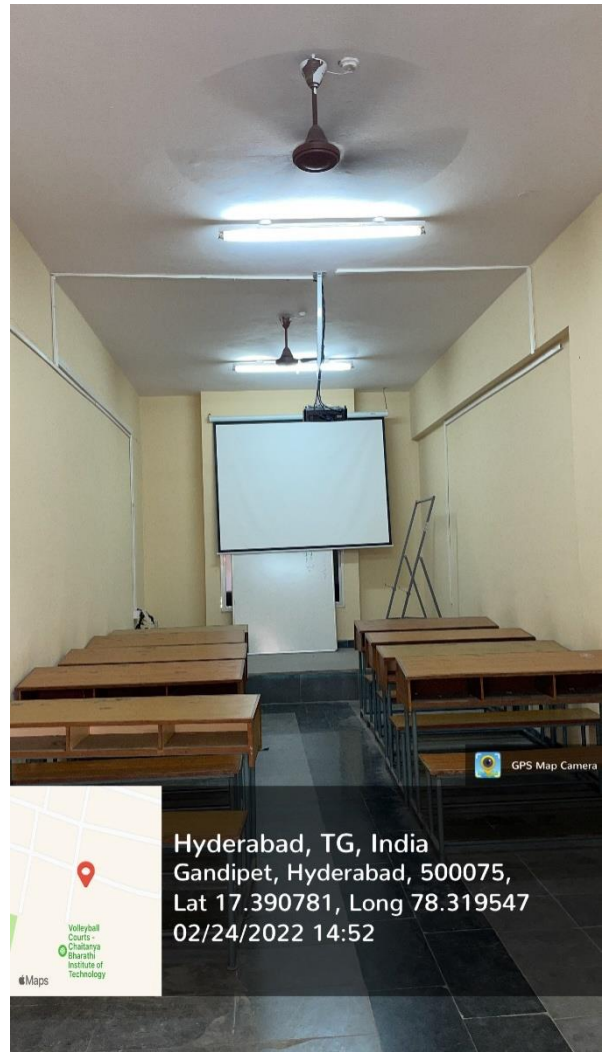


Hyderabad, TG, India
Gandipet, Hyderabad, 500075,
Lat 17.390747, Long 78.319907
02/24/2022 14:57





Hyderabad, TG, India
Gandipet, Hyderabad, 500075,
Lat 17.390621, Long 78.319883
02/24/2022 14:58

M-205



M- 201- A Tutorial Room

<p>2</p>	<p>Seminar hall: 1</p>	 <p>Sample photograph with geo-tagging location</p>
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Laboratory Details		
<p>3</p>	<p>Lab name: 1)Bioinformatics: M-102 Major equipment with Specifications 1.Student PCs 10 no's, 2.UPS (10 KV) a) Make: HP-400G7 b) Date of purchase:28.05.2021 c)Approx. cost etc.: Rs10,14,800 2.UPS (10 KV) a) Make: CONSUL/IGBT-UPS b) Date of purchase: 28.05.2021 c)Approx. cost etc.: Rs1,17,000</p>	<p>Sample photograph with geo-tagging</p> 

		
	<p>2) Genetic Engineering Lab: M-103 Major equipment with Specifications</p> <p>1.Centrifuge Make: Remi Date of purchase:28.11.2007 Approx. cost:Rs1,05,513</p> <p>2.PCR a) Make: EPPENDORF/MASTER CYCLER NEXUS b) Date of purchase:07.07.2021 c) Approx. cost:Rs3,54,000</p> <p>3.Gel Doc a) Make: BIO-RAD/GEL DOC EZ IMAGER b) Date of purchase:27.09.2016 c) Approx. cost: Rs Rs4,59,750</p>	
	<p>3) R&D Lab: M-104 Major equipment with Specifications</p> <p>1.Probe Sonicator a) Make: PCI analytics/PKS-750FL b) Date of purchase:19.09.2021 c) Approx. cost:Rs5,70,790</p> <p>2.UV-VIS Spectrophotometer with software a) Make:ELICO/SL-210 b) Date of purchase:31.10.2019 c) Approx. cost:Rs2,37,000</p> <p>3.Orbital Shaking Incubator a) Make: BIOTECHNICS INDIA/BTI-05A</p>	

b) Date of purchase:24.01.2020
c) Approx. cost:60,000

4.Laminar Air Flow

a) Make: Scientific Sales Corporation
b) Date of purchase:24.01.2020
c)Approx. cost:Rs89,000



4)Bioprocess engineering lab: M-105

Major equipment with Specifications

1.Orbital shaking incubator

a) Make: SICO/SLS-TR-96
b) Date of purchase:01.10.2019
c)Approx. cost: Rs83,647

5) Downstream Processing Lab: M-105

Major equipment with Specifications

1.Rotovap

a) Make:Kshitij R&D Lab Instruments
b) Date of purchase:16.11.2020
c)Approx. cost:Rs1,18,153

2.Packed Bed Reactor

a) Make: SpectrochemInstruments
b) Date of purchase:25.2.2009
c) Approx. cost: Rs1,65,000

3.Fluidized Bed Reactor

a) Make: SpectrochemInstruments
b) Date of purchase:25.2.2009
c)Approx. cost: Rs2,25,000

4.Air lift fermenter

a) Make: Spectrochem Instruments
b) Date of purchase:26.12.2009
c)Approx. cost:Rs2,75,000



6) Instrumentation lab Enzyme technology lab: M-106
Major equipment with Specifications

- 1.Nephelometer**
a) Make: ELICO/CL-52D
b) Date of purchase:31.10.2019
c)Approx. cost: Rs17,475
- 2.Conductivity meter**
a) Make: EI-611
b) Date of purchase:1.10.2019
c)Approx. cost: Rs7,780
- 3.Digital Photo fluorometer**
a) Make: EI-681
b) Date of purchase:20.12.2021
c)Approx. cost: Rs42,574
- 4.Spectrophotometer**
a) Make: EI-305
b) Date of purchase:11.06.2021
c)Approx. cost: Rs1,05,534.48



8) Microbiology lab: M-108
Major equipment with Specifications

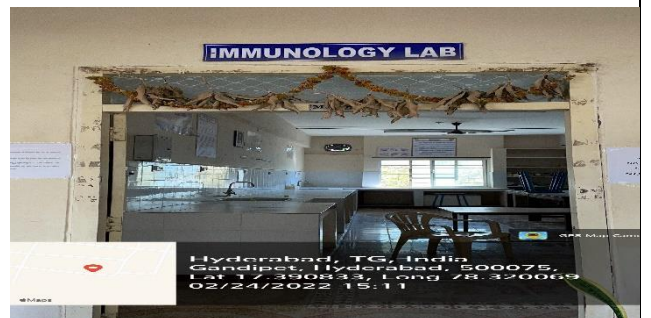
- 1.Autoclave**
a) Make: SISCO
b) Date of purchase:1.10.2019
c)Approx. cost:23107.00
- 2.Compound Microscopes**
a) Make: Magnus
b) Date of purchase:24.01.2020
c)Approx. cost:Rs13000
- 3.Binocular Compound Light Microscope**
a) Make: Magnus -MLX
b) Date of purchase:
c)Approx. cost: Rs38500
- 4.Colony counter**
a) Make: EI-361
b) Date of purchase:26.10.2007
c)Approx. cost:Rs6200
- 5.Laminar Air Flow**
a) Make: Toshiba
b) Date of purchase:17.3.2007
c)Approx. cost: Rs47081
- 6.Hot air Oven**
a) Make: SISCO
b) Date of purchase:26.10.2007



c) Approx. cost: Rs24610
7.Orbital shaking incubator
a) Make: REMI/ RIS 24BL
b) Date of purchase:2.2.2009
c) Approx. cost:Rs93000



9) Immunology lab: M-109
Major equipment with Specifications
1.Hot Plate
a) Make: SISCO
b) Date of purchase:26.10.2007
c) Approx. cost: Rs5800



10) Biochemistry lab:M-110

Major equipment with Specifications

1.Colorimeter

- a) Make: ELICO/CL-223
- b) Date of purchase:31.10.2019
- c)Approx. cost: Rs10,425

2. Water Bath

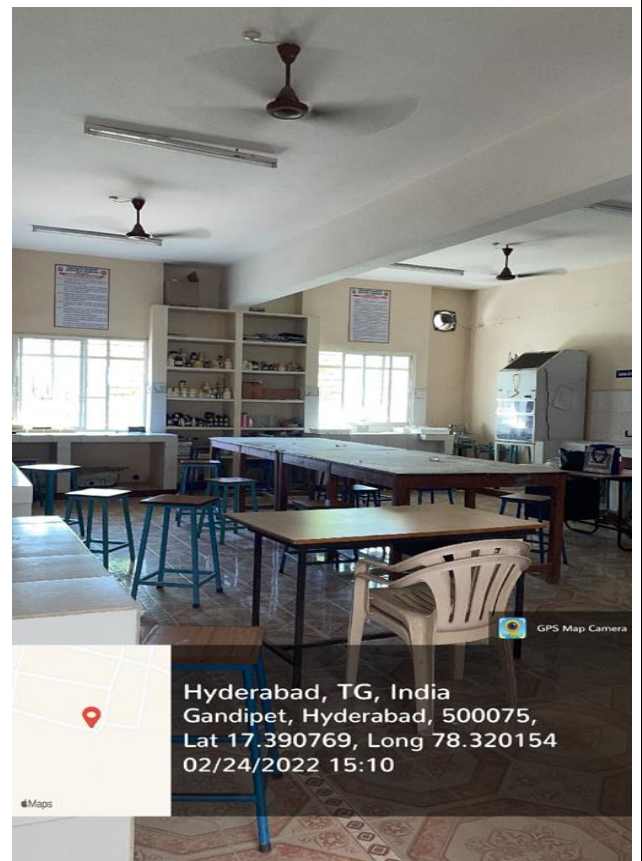
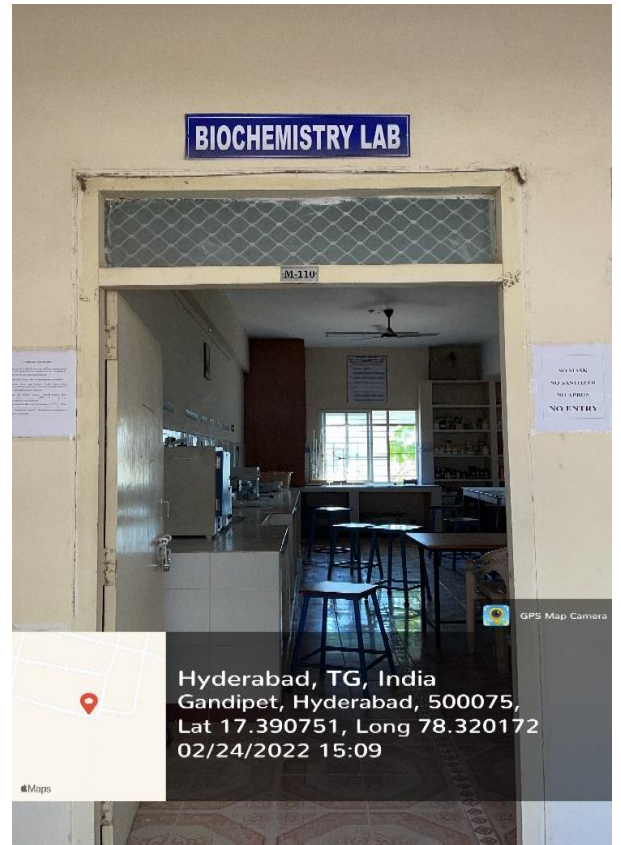
- a) Make: SISCO
- b) Date of purchase:11.06.2021
- c)Approx. cost: Rs7,768

3.Magnetic Stirrer

- a) Make: LABRON
- b) Date of purchase:9.7.2021
- c)Approx. cost: Rs7,723

4.Ph meter

- a) Make: DIGISUN
- b) Date of purchase:28.06.2021
- c)Approx. cost: Rs 6,165.5



11) Tissue culture lab: M-207

Major equipment with Specifications

1. Digital weighing Balance

a) Make:

b) Date of purchase: 8.7.2009

c) Approx. cost: Rs1,02,000

2) Benchtop Orbital shaking Incubator

a) Make: SARTORIUS/BT-224S

b) Date of purchase: 12.12.2007

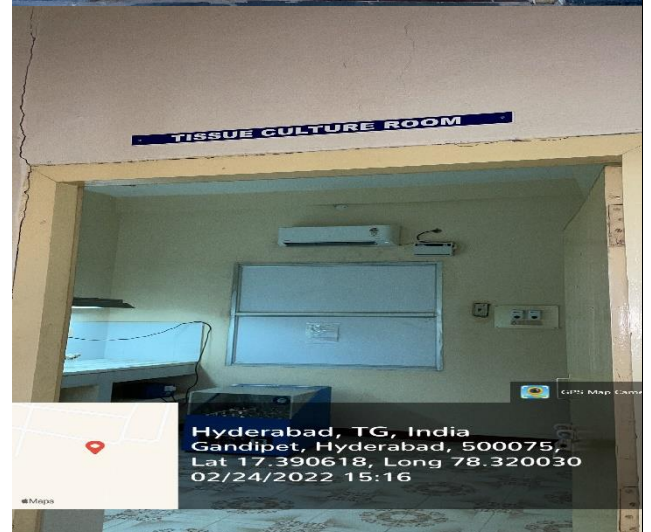
c) Approx. cost: Rs89,385


3) Inverted LED Microscope including Mac CAM DC-5

a) Make: OLYMPUS/CKX-53

b) Date of purchase: 14.07.21

c) Approx. cost: Rs4,16,499.00



4n	Computer Centre Facilities: Bioinformatics Lab	
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Average percentage of expenditure for infrastructure augmentation excluding salary during the last five years (INR in Lakhs)

Response:

Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
Rs15,54,566	Rs1,37,225	Rs16,15,047	Rs5,08,895	Rs3,36,433

AMC cost if any: - Nil

URL at institute website:

<https://drive.google.com/file/d/1yanWGg8hKr56hqdxW8KNNdpYKtTt-1gm/view?usp=sharing>

A 2-5 minutes sample video covering all the class rooms, seminar halls, labs, faculty rooms and other departmental infrastructural facilities with clear voice.

Name of the infrastructure in-charge: Dr C.Obula Reddy

Head of the Department

Date:22-08-2022