

Department of Biotechnology

Report on Infrastructural Details of the Department: For the AY2017-18

A) Class rooms/Tutorial rooms/Drawing Halls/Laboratories/Department Library/ HoD
Office /Faculty rooms/seminar halls/waiting halls etc.

S. No	Description	Hall/Room Numbers	Area (inSq mts)
1.	Class Room	M-203	69.14
2.	Class Room	M-204	69.14
3.	Class Room	M-205	69.14
4.	Drawing Hall	--	--
5.	Bioinformatics Lab	M-102	70.98
6.	Genetic Engineering Lab	M-103	70.98
7.	Bioprocess engineering lab/Downstream processing lab	M-105	70.98
8.	Instrumentation lab/Enzyme technology lab	M-106	70.98
9.	Store room	M-107	32.58
10.	Microbiology lab	M-108	70.98
11	Immunology lab	M-109	70.98
12	Biochemistry lab	M-110	70.98
13	Tissue culture lab	M-207	139.94
14	Department Library	M-202	34.74
15	HOD Room	M-101	35.11
16	Faculty Room	M-103	11.55

17	Faculty Room	M-105	11.55
18	Faculty Room	M-106	11.55
19	Faculty Room	M-108	11.55
20	Faculty Room	M-109	11.55
21	Faculty Room	M-110	11.55
22	Faculty Room	M-202	34.74

b) Number of LCD Projectors/Digital Boards available in class rooms/seminar Halls/

Laboratories :4

- 1) No. of LCD Projectors/Digital Boards in class rooms – 03
- 2) No. of LCD Projectors/Digital Boards in seminar Halls – 01
- 3) No. of LCD Projectors/Digital Boards in Laboratories – Nil

c) Information on any other Teaching Aids:

Overhead Projectors Available : 4

Department of Biotechnology

Report on Infrastructural Details of the Department: For the AY2018-19

B) Class rooms/Tutorial rooms/Drawing Halls/Laboratories/Department Library/ HoD
Office /Faculty rooms/seminar halls/waiting halls etc.

S. No	Description	Hall/Room Numbers	Area (inSq mts)
1.	Class Room	M-203	69.14
2.	Class Room	M-204	69.14
3.	Class Room	M-205	69.14
4.	Tutorial room/Tutorial Room	M-201A	32.58
5.	Drawing Hall	--	--
6.	Bioinformatics Lab	M-102	70.98
7.	Genetic Engineering Lab	M-103	70.98
8.	Bioprocess engineering lab/Downstream processing lab	M-105	70.98
9.	Instrumentation lab/Enzyme technology lab	M-106	70.98
10.	Store room	M-107	32.58
11.	Microbiology lab	M-108	70.98
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13.	Biochemistry lab	M-110	70.98
14.	Tissue culture lab	M-207	139.94
15.	Department Library	M-202	34.74
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17.	Faculty Room	M-103	11.55
18.	Faculty Room	M-105	11.55
19.	Faculty Room	M-106	11.55
20.	Faculty Room	M-108	11.55
21.	Faculty Room	M-109	11.55
22.	Faculty Room	M-110	11.55
23.	Faculty Room	M-202	34.74

d) Number of LCD Projectors/Digital Boards available in class rooms/seminar Halls/

Laboratories :4

- 1) No. of LCD Projectors/Digital Boards in class rooms – 03
 - 2) No. of LCD Projectors/Digital Boards in Tutorial class room – Nil
 - 3) No. of LCD Projectors/Digital Boards in seminar Halls – 01
 - 4) No. of LCD Projectors/Digital Boards in Laboratories – Nil
- e) Information on any other Teaching Aids:
- Overhead Projectors Available : 4

Department of Biotechnology

Report on Infrastructural Details of the Department: For the AY2019-20

C) Class rooms/Tutorial rooms/Drawing Halls/Laboratories/Department Library/ HoD
Office /Faculty rooms/seminar halls/waiting halls etc.

S. No	Description	Hall/Room Numbers	Area (inSq mts)
1.	Class Room	M-203	69.14
2.	Class Room	M-204	69.14
3.	Class Room	M-205	69.14
4.	Tutorial room/Tutorial Room	M-201A	32.58
5.	Drawing Hall	--	--
6.	Bioinformatics Lab	M-102	70.98
7.	Genetic Engineering Lab	M-103	70.98
8.	R&D Lab	M-104	32.58
9.	Bioprocess engineering lab/Downstream processing lab	M-105	70.98
10.	Instrumentation lab/Enzyme technology lab	M-106	70.98
11.	Store room	M-107	32.58
12.	Microbiology lab	M-108	70.98
13.	Immunology lab	M-109	70.98
14.	Biochemistry lab	M-110	70.98
15.	Tissue culture lab	M-207	139.94
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20.	Faculty Room	M-106	11.55
21.	Faculty Room	M-108	11.55
22.	Faculty Room	M-109	11.55
23.	Faculty Room	M-110	11.55
24.	Faculty Room	M-202	34.74

f) Number of LCD Projectors/Digital Boards available in class rooms/seminar Halls/

Laboratories :4

- 1) No. of LCD Projectors/Digital Boards in class rooms – 03
- 2) No. of LCD Projectors/Digital Boards in Tutorial class room – Nil
- 3) No. of LCD Projectors/Digital Boards in seminar Halls – 01
- 4) No. of LCD Projectors/Digital Boards in Laboratories – Nil

g) Information on any other Teaching Aids: Nil

Department of Biotechnology

Report on Infrastructural Details of the Department: For the AY2020-21

D) Class rooms/Tutorial rooms/Drawing Halls/Laboratories/Department Library/ HoD
Office /Faculty rooms/seminar halls/waiting halls etc.

S. No	Description	Hall/Room Numbers	Area (inSq mts)
1.	Class Room	M-203	69.14
2.	Class Room	M-204	69.14
3.	Class Room	M-205	69.14
4.	Tutorial room/Tutorial Room	M-201A	32.58
5.	Drawing Hall	--	--
6.	Bioinformatics Lab	M-102	70.98
7.	Genetic Engineering Lab	M-103	70.98
8.	R&D Lab	M-104	32.58
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20.	Faculty Room	M-106	11.55
21.	Faculty Room	M-108	11.55
22.	Faculty Room	M-109	11.55
23.	Faculty Room	M-110	11.55
24.	Faculty Room	M-202	34.74

h) Number of LCD Projectors/Digital Boards available in class rooms/seminar Halls/

Laboratories :6

- 1) No. of LCD Projectors/Digital Boards in class rooms – 03
- 2) No. of LCD Projectors/Digital Boards in Tutorial class room – 01
- 3) No. of LCD Projectors/Digital Boards in seminar Halls – 01
- 4) No. of LCD Projectors/Digital Boards in Laboratories –01

i) Information on any other Teaching Aids: Nil

Department of Biotechnology

Report on Infrastructural Details of the Department: For the AY2021-22

E) Class rooms/Tutorial rooms/Drawing Halls/Laboratories/Department Library/ HoD
Office /Faculty rooms/seminar halls/waiting halls etc.

S. No	Description	Hall/Room Numbers	Area (inSq mts)
1.	Class Room	M-203	69.14
2.	Class Room	M-204	69.14
3.	Class Room	M-205	69.14
4.	Tutorial room/Tutorial Room	M-201A	32.58
5.	Drawing Hall	--	--
6.	Bioinformatics Lab	M-102	70.98
7.	Genetic Engineering Lab	M-103	70.98
8.	R&D Lab	M-104	32.58
9.	Bioprocess engineering lab/Downstream processing lab	M-105	70.98
10.	Instrumentation lab/Enzyme technology lab	M-106	70.98
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12.	Microbiology lab	M-108	70.98
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19.	Faculty Room	M-105	11.55
20.	Faculty Room	M-106	11.55
21.	Faculty Room	M-108	11.55
22.	Faculty Room	M-109	11.55
23.	Faculty Room	M-110	11.55
24.	Faculty Room	M-202	34.74

j) Number of LCD Projectors/Digital Boards available in class rooms/seminar Halls/

Laboratories :6

1) No. of LCD Projectors/Digital Boards in class rooms – 03

2) No. of LCD Projectors/Digital Boards in Tutorial class room – 01

3) No. of LCD Projectors/Digital Boards in seminar Halls – 01

4) No. of LCD Projectors/Digital Boards in Laboratories – 01

k) Information on any other Teaching Aids: Nil

**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

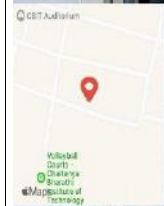
Number of faulty rooms: 10 Single: 10

shared: Nil

Infrastructural Information

S. No1	HoD room: M-101 area: 35.11 inSq mts	<p style="text-align: center;">Sample Photograph</p>  <p style="text-align: center;">Gandipet, Telangana, India 98R9+9XG, Kokapet, Gandipet, Telangana 500075, India Lat 17.39093° Long 78.319852° 24/02/22 02:38 PM</p>
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1 Classrooms : 4
M-203
M-204
M-205
Tutorial rooms: M-201A

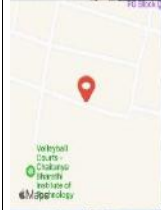
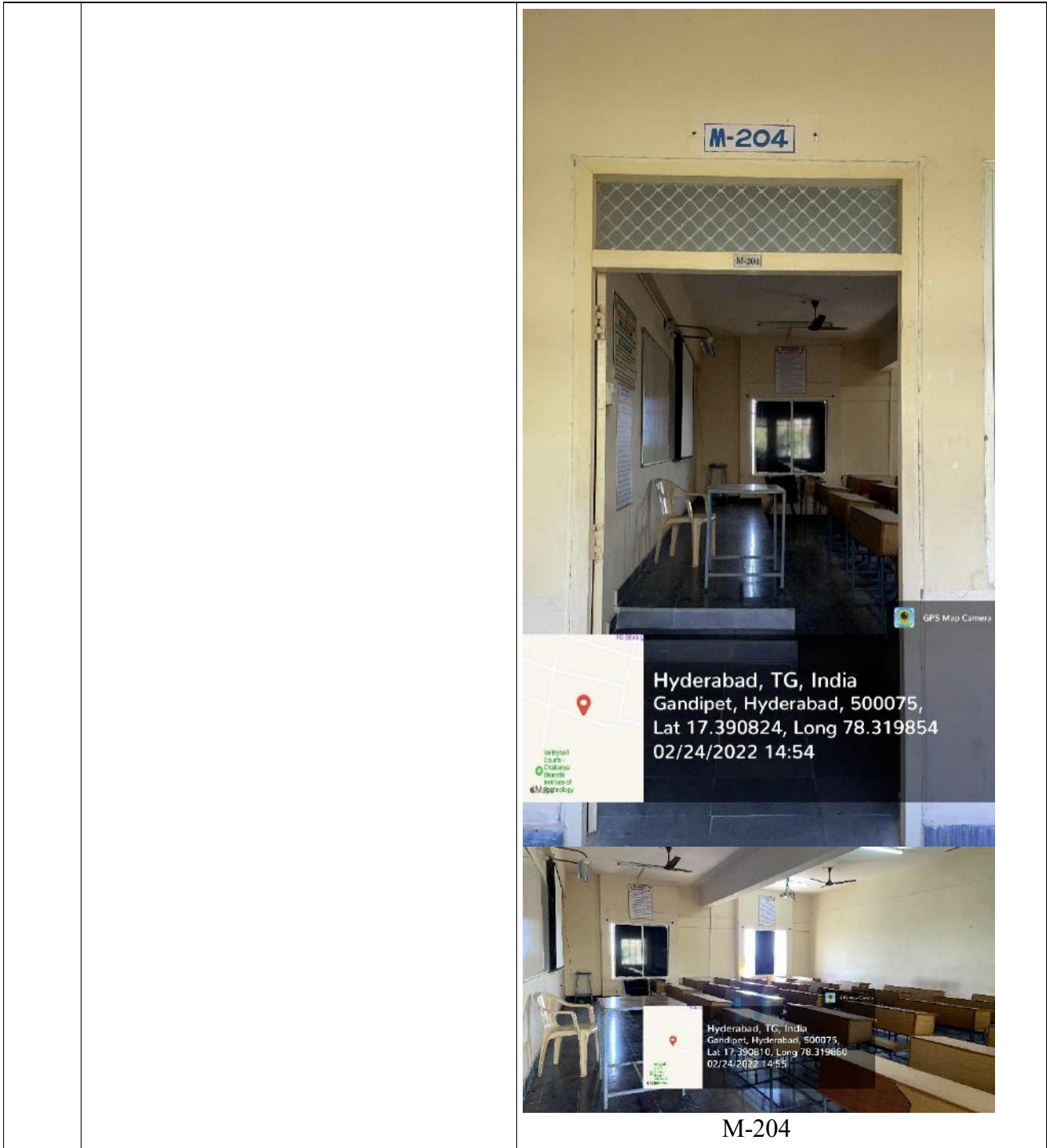


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02/24/2022 14:53



Hyderabad, TG, India
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02/24/2022 14:54

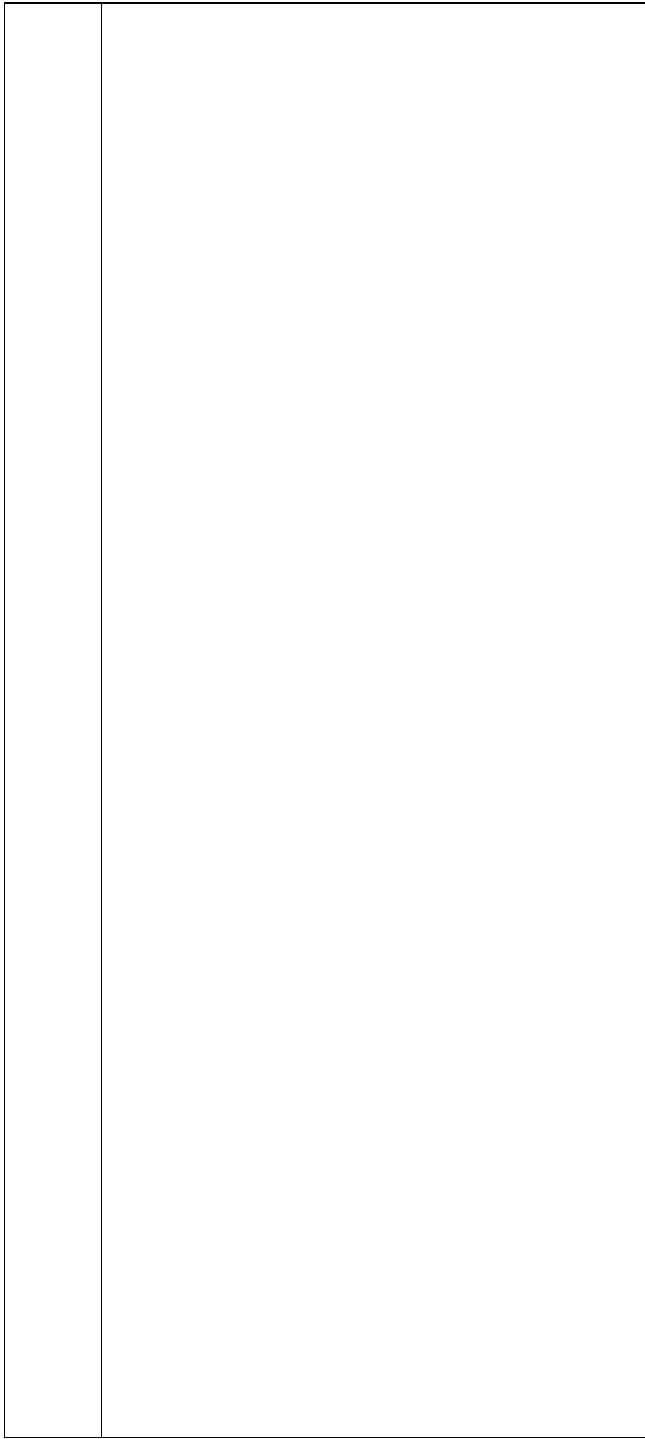
M-203



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Gandipet, Hyderabad, 500075,
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M-204

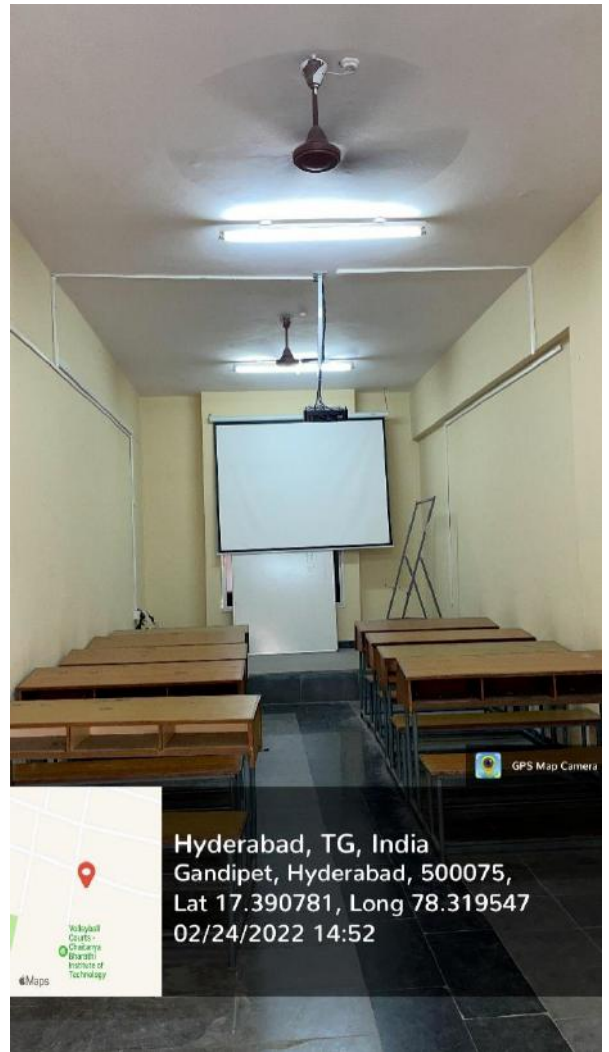


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Gandipet, Hyderabad, 500075,
Lat 17.390747, Long 78.319907
02/24/2022 14:57





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

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

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

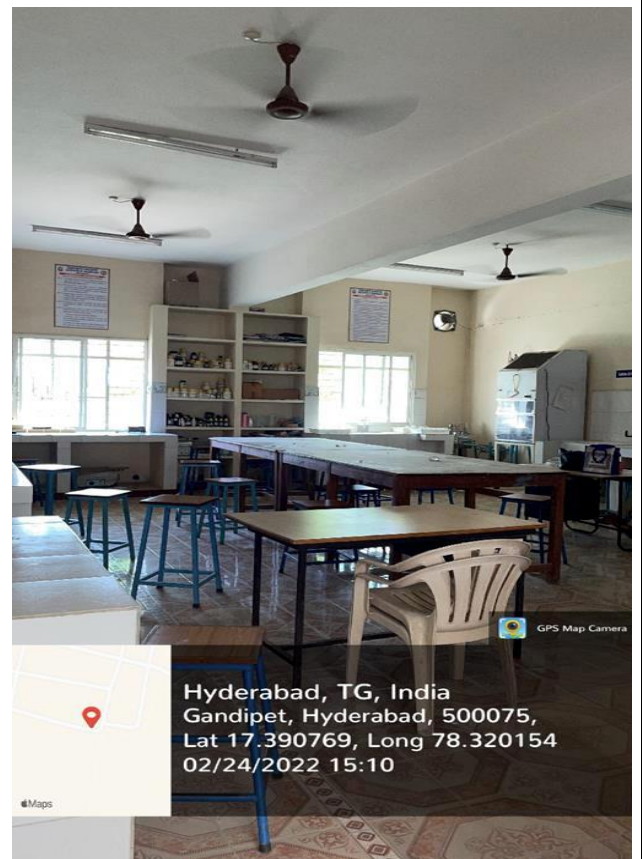
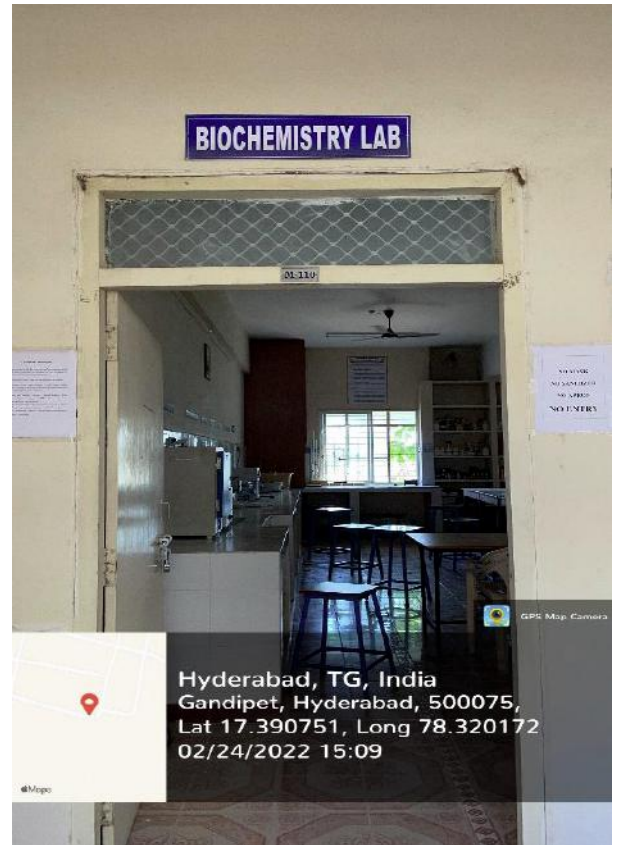
- a) Make: SISCO
- b) Date of purchase:11.06.2021
- c)Approx. cost: Rs7,768

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

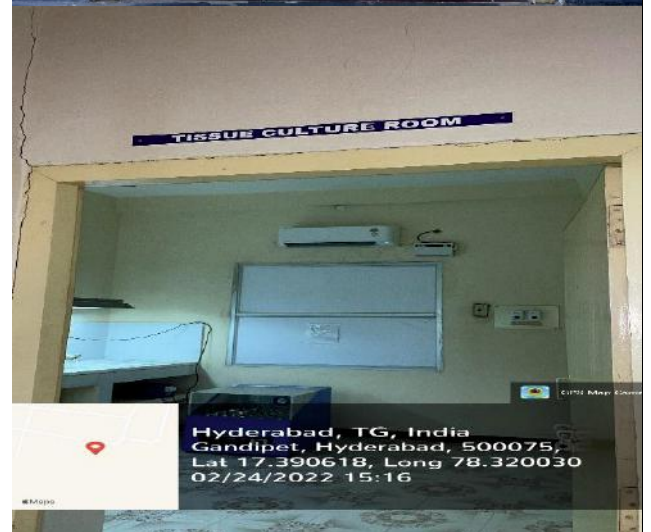
c) Approx. cost: Rs89,385


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