



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR

Home



2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities

Supporting Documents & Links

Contents

List of Scientific Instruments / Equipments	2
Photographs	6
1- X-Ray diffraction.....	6
2-Vertical Furnace.....	6
3-Horizontal furnace.....	7
4-Rotary evaporator	7
5-Atomic Absorption spectroscopy.....	8
6-FT-IR Spectroscopy	8
7-Atomic Force Microscope	9
8-UV- Visible Spectroscopy	9
9-Surface Area Analyzer	10
10-Potentiostate.....	10
11-Particle Size Analyzer	11
12-UV-Vis Spectrophotometer and Flame Spectrophotometer	11
13-Gas Chromatography	12
14-Disintegration and Sonicator	12
15-Flame Spectrophotometer.....	13
16-High-performance liquid chromatography (HPLC).....	13
17-IR press and Dissolution apparatus	14
18-UV- Vis Spectrophotometer	14
19-RT -PCR thermocycler.....	15
20-High-performance liquid chromatography (HPLC).....	15
21-Gel Documentation and PCR thermocycler.....	16
22-High-performance thin-layer chromatography (HPTLC) and Scanner.....	16
23-UV- Vis Spectrophotometer	17
24-Binocular microscope (400X) with camera attachment	17
25-Vacuum Coating unit model 12A4-D (Hind Hivac system).....	18
26-JASCO FP-8300 spectrofluorometer	18
27-A Keithley IV setup	19
28-Rapid thermal annealing (RTA) set up.....	19
29-Split tube furnaces	20
30-Precision Spin Coater (Model - Deltaspin).....	20

Web Link: [B.K. Birla College of Arts, Science & Commerce, Kalyan \(bkbirlacollegekalyan.com\)](http://B.K. Birla College of Arts, Science & Commerce, Kalyan (bkbirlacollegekalyan.com))

B. K. Birla College Road, Kalyan (West) – 421 304 (M.S.) India

[Go To Top](#)

1

★ E-mail: principal@bkbck.edu.in ★ ☎ : (0251) 2231293 / 2231294 ★ www.bkbck.edu.in ★



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR

Home



2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities

List of Scientific Instruments / Equipments

Sr. No.	Department	Instrument
I	Botany	
1.		Met2 students microscope met2-36A
2.		Met2 microscope met2 33
3.		Hot air oven met2 4011 size 18" x 18" x 18"
4.		Remi centrifuge R-8-C with Rotar R-83 P
5.		Met2 microscope 36A
6.		Centrifuge cooling Remi K70
7.		Centrifuge cooling T.RC 8 Remi
8.		Cooling centrifuge pana set all
9.		Electrode for PH meter Equiptronic
10.		30-61002 transillumination with two UV Talse & 10 x 10 UV transtered window
11.		PH meter digital E9-610 - 0-14 PH with built in electronics.
12.		Metzer microscope (Dissecting) met2-33
13.		Metzer student microscope met 36A
14.		Digital colorimeter 8 filter (Elico)
15.		Microscope 36A
16.		Colorimeter Make E9u
17.		Digital colorimeter UGC CL-157
18.		TLC plate Heater
19.		UV-Vis Sprctrophotometer
20.		Flash Chromatography
II	Biotechnology	
21.		HPTLC Applicator
22.		TLC Visualizer (UV Chamber)
23.		Ele. Weighing Balance (Ohaus)
24.		Ele. Weighing Balance (Essae)
25.		Hot Air Oven
26.		Incubator
27.		PCR Unit (Gel documentation & Thermocycle)
28.		Light Microscope
29.		Cooling Centrifuge
30.		Cooling Microfuge CM-12
31.		Digital colorimeter
32.		Digital PH meter
33.		Electronic Weighing Balance (CB-50) (10 mg & 1 mg)



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR

Home



2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities

Sr. No.	Department	Instrument
34.		Hot Air oven
35.		Incubator
36.		Magnetic Stirrer with hot plate
37.		Microscope with oil immersion lens
38.		Orbital Shaking incubator
39.		Polymerase chain reaction
III	Bioanalytical Sciences	
40.		Hot Air Oven
41.		Centrifuge Machine
42.		pH Meter
43.		Microscope Oil Imm.
44.		Microscope Oil Imm.
45.		Incubator
46.		HPLC System
47.		CO ₂ Incubator
48.		Neon Gas Chromatography with Gas Filter Station, Dual Stage Cylinder Regulators, Cylinders
IV	Chemistry	
49.		Potentiostat
50.		Fourier transform infrared Spectroscopy
51.		UV- Visible Spectroscopy
52.		Atomic Force Microscopy
53.		Probe Sonicator
54.		Surface area analyzer
55.		Particle Size Analyzer
56.		Hall Effect
57.		Incubator
58.		X- ray Diffraction
59.		Furnace
60.		CVD furnace
61.		Hydro press
62.		Overhead Stirrer
63.		Vertical CVD Furnace
64.		Rota Evaporator
65.		Atomic Absorption Spectroscopy



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR

Home



2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities

Sr. No.	Department	Instrument
66.		Remi Heating Plate
67.		Sonicator
68.		XRD
V	Environmental Sciences	
69.		Digital Colorimeter
70.		Atomic Absorption Spectrophotometer
71.		Digital Nephelometer
72.		UV-Vis Spectrophotometer
73.		High Volume Sampler
74.		Hot Air Oven
75.		Electronic Weighing Balance
76.		Muffle Furnance
77.		Flame Photometer
VI	Microbiology	
78.		Laboratory scale Fermentor
79.		UV-Spectrophotometer
80.		Temperature Regulated Shakers (2)
VII	Physics	
81.		Spectrofluorimeter
82.		Keithley I-V measurement set up
83.		Thin film deposition system
84.		Spit Furnace
85.		Rapid Thermal annealing setup
86.		High precision LCR Meter
VIII	Zoology	
87.		Shaker Incubator
88.		CO ₂ incubator
89.		Bacterial Incubators
90.		Conductivity meter
91.		Spectrophotometer EQ -825
92.		Pen Type pH Meter
93.		Monocular microscope
94.		Dissecting Microscope
		Trinocular Stero zoom microscope
		Centrifuge R8C Remi



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR

Home



2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities

Sr. No.	Department	Instrument
95.		Centrifuge R8C Remi laboratory
96.		Balance (Contec)
97.		Balance Bioera model-01
98.		Balance Bioera model-03
99.		Table top deep freezer 200L
100.		Digital pH meter
101.		Digital Colorimeter
102.		UV-Spectrophotometer
103.		Student Microscope
104.		Dissecting Microscope
105.		Digital Microscope
106.		Monocular Microscope
107.		Centrifuge
108.		Calorimeter (7)
109.		Electronic weighing balance (2)
110.		Hot Air oven (3)
111.		Incubator (1)
112.		Laminar Airflow
113.		LCD (3)
114.		Microtome -1
115.		Orbital shaking incubator
116.		pH meter (3)



Principal

B. K. Birla College of Arts, Science
& Commerce (Autonomous), Kalyan.



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR



2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities

Photographs



1- X-Ray diffraction



2-Vertical Furnace



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR

Home



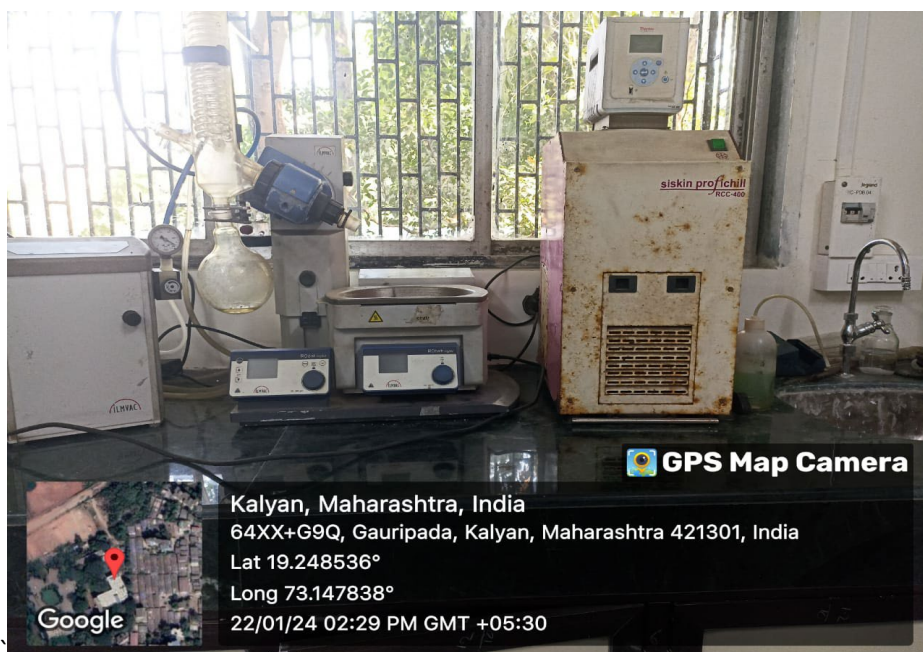
2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities



3-Horizontal furnace



4-Rotary evaporator



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR

Home



2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities



5-Atomic Absorption spectroscopy



6-FT-IR Spectroscopy



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR

Home



2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities



7-Atomic Force Microscope



8-UV- Visible Spectroscopy



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR

Home



2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities



9-Surface Area Analyzer



10-Potentiostat



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR

Home



2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities



11-Particle Size Analyzer



12-UV-Vis Spectrophotometer and Flame Spectrophotometer



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR

Home



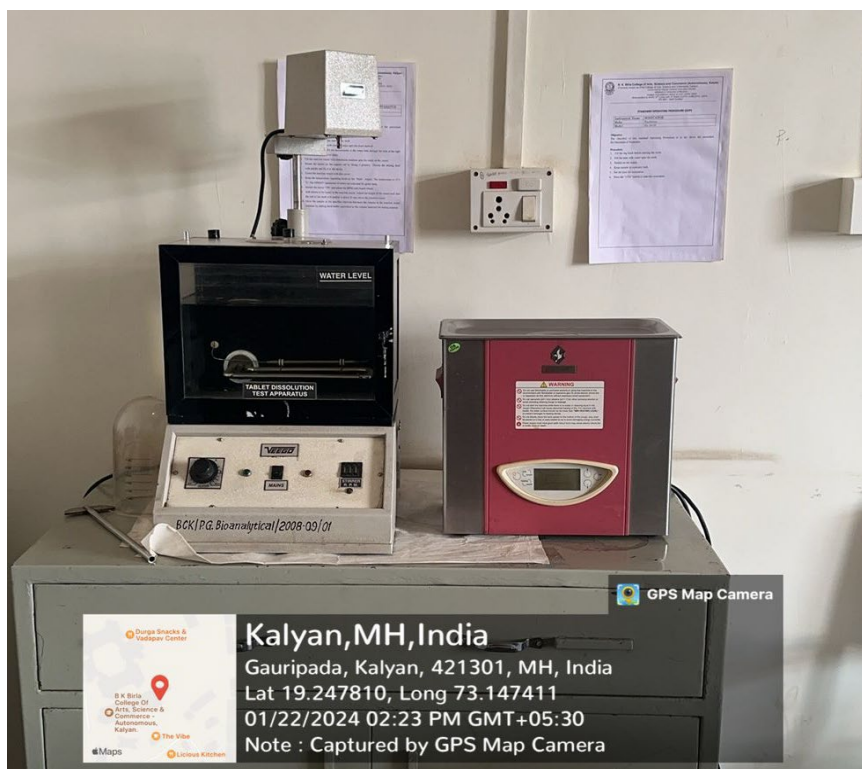
2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities



13-Gas Chromatography



14-Disintegration and Sonicator



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR

Home



2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities



15-Flame Spectrophotometer



16-High-performance liquid chromatography (HPLC)



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR

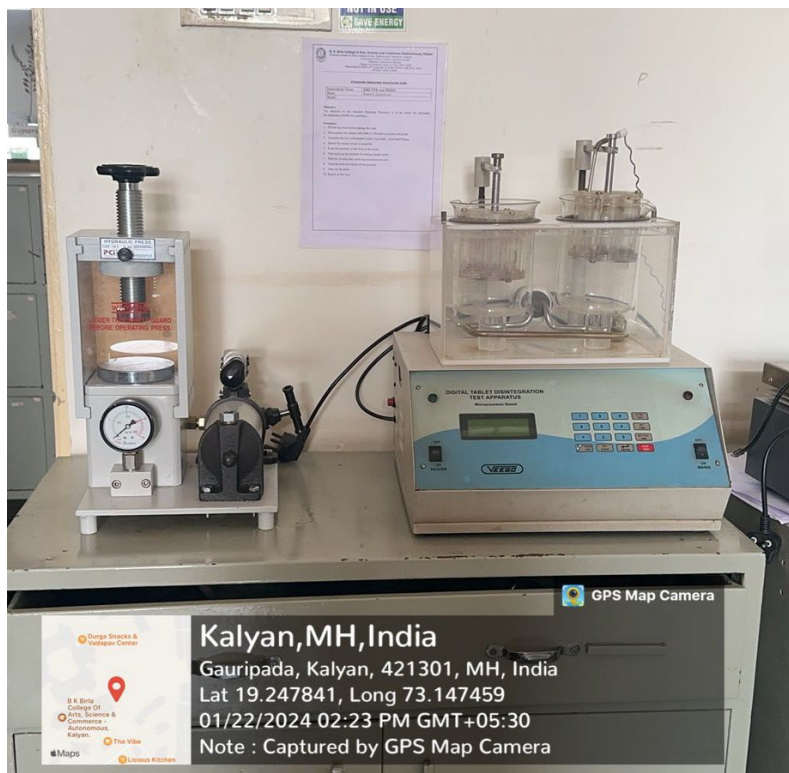
Home



2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities



17-IR press and Dissolution apparatus



18-UV- Vis Spectrophotometer



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR

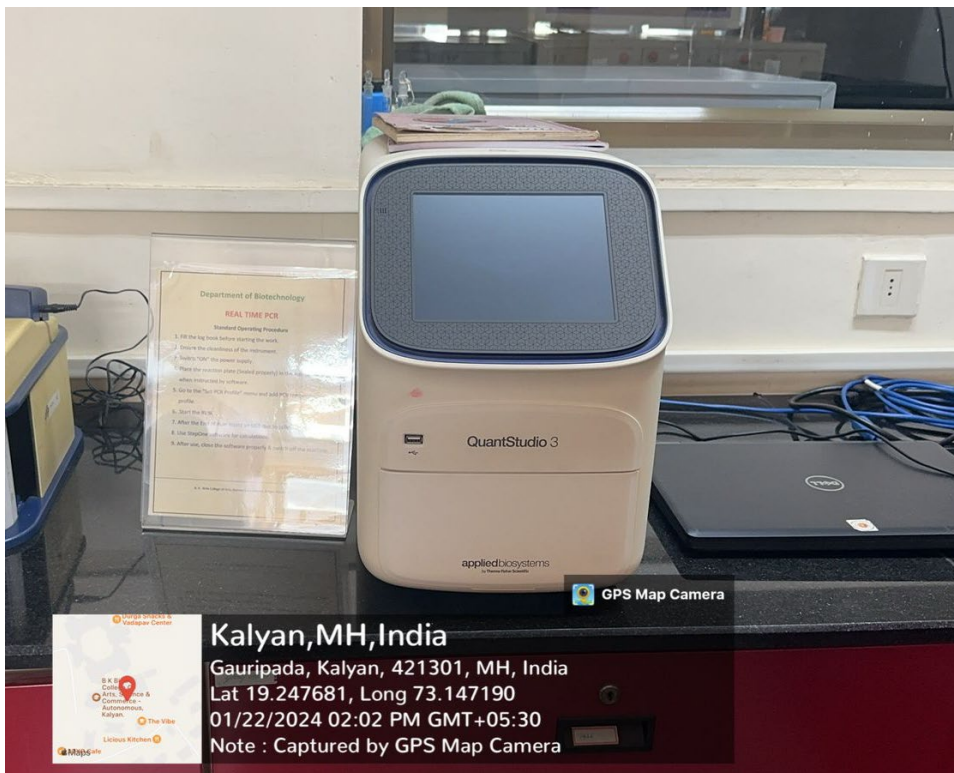
Home



2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities



19-RT-PCR thermocycler



20-High-performance liquid chromatography (HPLC)



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR

Home



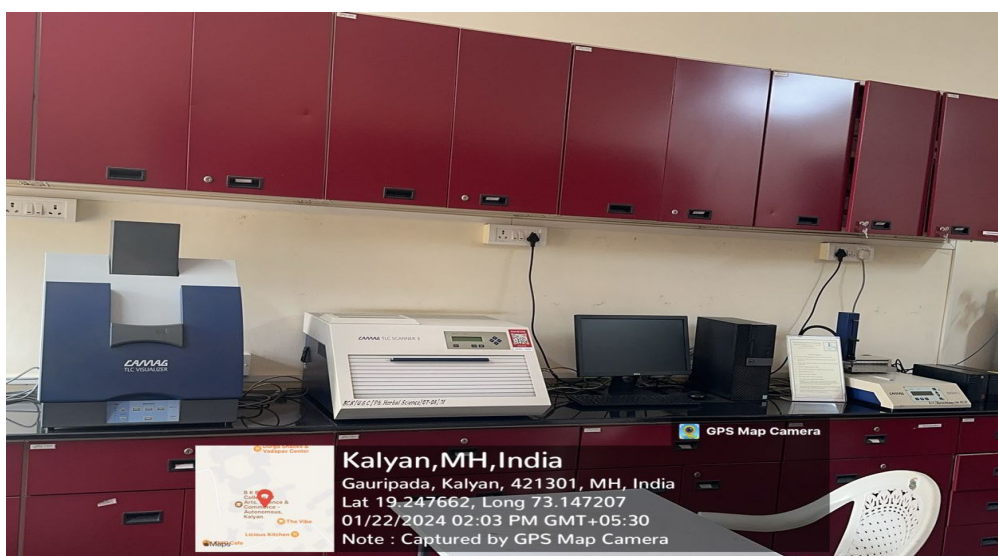
2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities



21-Gel Documentation and PCR thermocycler



22-High-performance thin-layer chromatography (HPTLC) and Scanner



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQR



2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities



23-UV- Vis Spectrophotometer



24-Binocular microscope (400X) with camera attachment



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR

Home



2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities



25-Vacuum Coating unit model 12A4-D (Hind Hivac system)



26-JASCO FP-8300 spectrofluorometer

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities



27-A Keithley IV setup



28-Rapid thermal annealing (RTA) set up



B. K. Birla College of Arts, Science & Commerce, Kalyan (Empowered Autonomous Status)

(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

'College of Excellence' status by UGC (2015 - 2020)

Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024 - 2031)

ISO 9001: 2015 Certified

NAAC AQAR

Home



2023-2024

Criteria IV – Infrastructure and Learning Resources (100)

Key Indicator - 4.1 Physical Facilities



29-Split tube furnaces



30-Precision Spin Coater (Model - Deltaspin)