



**7.2.1 (QIM): Best Practices**

**Best Practice II**

**Developing Campus Adequacy**

The college remains committed to provide best of the infrastructure-physical, digital and green, to excel in teaching-learning process and holistic development.

**Objectives**

- To upgrade the physical infrastructure classroom, laboratories, library, Sports, Gymkhana, Student Support Services, etc.
- To enhance ICT enabled digital infrastructure through implementation of ERP, data security, automation, digital integration through ILMS and CCTV surveillance.
- To undertake green initiatives and to create awareness for green campus, green library, UNSDG's, sustainable campus by using renewable energy (solar panels), effective water/wastewater treatment and solid waste disposal methods

**Context**

College initiated a comprehensive physical, digital and green infrastructure to develop adequacy for provision of ambience, technology and green cover to promote sustainability.

**The Practice**

College plans and allocates the required budget and other resources for the development and maintenance of the tangible facilities. Classrooms and laboratory facilities are equipped with the necessary audio-visual teaching aids. The college houses a seminar hall, an open auditorium Sports and Gymkhana, parking space. The library includes collaborative learning space, Green Reading Room, well-stocked Books, Book-Port facility, etc.

▪ **Physical Infrastructure**

- Campus security- security personnel, 338 CCTV cameras, 88 Fire Extinguishers, automated tripod turnstile gates, visitors' management system
- Support facilities- Canteen, potable water treatment plant and water coolers, housekeeping, clean and well-maintained washrooms and toilets.

- **Digital Infrastructure-** Microsoft 365 licensed tools, cloud-based ERP System, Wi-Fi/LAN (300MBPS), projectors, Smart boards with digital podiums, interactive panels, hybrid classrooms, etc.



- **Green Infrastructure-** Tree-plantation drives, maintenance of the green campus (green houses, biodiversity park, vegetable garden), Solar panels (ongrid and offgrid), AC's with sensors and signages for conservation of energy, Sanitary padcare bins for recycling, Management of water, wastewater, rainwater harvesting, canteen waste(bio-gas), biomedical waste and plastic waste, solid waste (vermicomposting/bio composting), paper, etc.

Evidence of success

	Physical	Digital	Green
1	Construction of a new G+3 building, covering 55,000 sq. ft.,	Integration of Microsoft 365 licences	Installed solar panels and energy-saving devices
2	34 smart classrooms.	300MBPS (200+100) lease line for internet connectivity	A 300 KLD-STP, 20 KLD-ETP to treat wastewater
3	952 systems (Desktops/laptops)	Installation of 338 CCTV cameras	Four scientifically designed Rainwater Harvesting Systems
4	Green Reading Room, Gazebo and Giant Chess Board	ADMI, RESO Software and MasterSoft ERP System.	Three vermi-composting pits and a biocomposting unit
5	various labs like IOT and Robotics lab, Animation Lab, E-yantra lab.	Cloud-based Libsys10 ILMS and LSDiscovery services.	49.53% of green cover. Minimizing the paper waste and reducing approximately 365tonnes/yr CO <sub>2</sub> e of carbon emissions
6	Construction of MPower Cell	Computers upgraded with recent hardware and software	Plastic waste collection drive. Two benches received from recycled plastic



# B. K. Birla College of Arts, Science & Commerce, Kalyan

**Empowered Autonomous Status (2023 - 2032)**

(Conducted by Kalyan Citizens' Education Society)

Affiliated to University of Mumbai

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

Reaccredited by NAAC (3<sup>rd</sup> Cycle) with 'A' Grade (CGPA - 3.58) (2014 - 2023)

ISO 9001: 2015 Certified

NAAC SSR

Cycle IV

2018-2023

Problems encountered and resources required.

- Additional infrastructure
- Effective utilization of physical and digital resources.
- Funding from government agencies

## Notes

The college has enhanced its physical and digital infrastructure while undertaking green initiatives reflecting the institution's commitment to providing innovative developmental ecosystems for all stakeholders.



Principal

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