



सत्यमेव जयते

Institutional Development Plan

Bahauddin Government Science College Junagadh



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Dear fellow academicians,

It gives immense pleasure to present the Institutional Development Plan (IDP) of Bahauddin Government Science College, Junagadh, Gujarat—a strategic roadmap reflecting our unwavering commitment to academic excellence, research innovation, and nation-building, fully aligned with the National Education Policy (NEP) 2020, UGC, and NAAC guidelines. I'd like to quote a subhashita:

विद्या ददाति विनयं विनयाद् याति पात्रताम् । पात्रत्वात् धनमाप्नोति धनाद् धर्मं ततः सुखम् ॥

“Knowledge bestows humility, humility leads to worthiness.

Worthiness brings wealth, wealth enables righteousness, and thence true happiness”

Established in 1901 and steeped in a legacy of scientific service on this spiritually enriched land, our College stands at the intersection of tradition and transformation. Amidst rapid global changes and emerging challenges, this IDP fosters a future-ready ecosystem that cultivates intellectual curiosity, ethical values, global competence, and social responsibility among students and faculty.

Guided by our Vision 2030—to emerge as a leading science education and research hub—and our Mission to deliver multidisciplinary education, promote innovation, enhance employability, and ensure sustainable growth, this document emphasizes key pillars like outcome-based learning, digital transformation, research centres, and green initiatives, benchmarked against global best practices. It strengthens industry linkages, community engagement, and inclusivity to translate knowledge into tangible societal impact.

I extend heartfelt gratitude to faculty, staff, students, and academic leaders for their insightful contributions and dedication in crafting this living document. Let us unite with passion, purpose, and perseverance to elevate Bahauddin Government Science College as an inspiration of excellence and a vital force in India's higher education journey.

Dr. R. P. Bhatt

Principal

Bahauddin Government Science College-

Junagadh

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1. EXECUTIVE SUMMARY

Legacy of Excellence: Institutional Profile

Bahauddin College, Junagadh, Gujarat—originally established in 1901 by visionary minister (Vazir) Sri Bahauddinbhai of the erstwhile Sorath state—stands as Saurashtra's oldest and most valued science institution, representing over 125 years of unwavering commitment to science education. Evolving from its foundational years, in 1983, it separated to become a dedicated science college. Throughout its journey, it earned affiliations with four prestigious universities: first Bombay University during colonial times, then Gujarat University post-independence, followed by Saurashtra University, and currently Bhakta Kavi Narsinh Mehta University—each phase marking milestones in academic growth and regional impact. Uniquely, it remains Gujarat's sole government college offering B.Sc. in Forensic Science alongside core programs in Physics, Chemistry, Mathematics, Botany, and Zoology, nurturing talent from diverse rural and urban areas.

Its achievements include a strong tradition of producing quality students, many of whom have gone on to become eminent professionals in various government and private fields. The college has been recognised with multiple honours reflecting sustained excellence, including best overall performance in Saptadhara activities, academic & administrative audit and NAAC preparation (by Education Department, Government of Gujarat) (2014), best outstanding performance in National Voting Day celebrations (by Government of Gujarat) (2014), All-India Rank 77 in NIRF (by Ministry of Human Resource Development, Government of India) (2017), state awards for excellence in NET/SLET and research (by Government of Gujarat) (2018), and a 4-star rating under the Gujarat State Institutional Rating Framework (GSIRF) (by Knowledge Consortium of Gujarat under the aegis of Education Department, Government of Gujarat) (2024). The teachers are highly qualified—hold Ph.D. and NET/SET qualifications—and also active in various research fields. College has well-equipped laboratories, a rich library, digital classrooms, a sports facilities, and hostel facilities. Students from diverse backgrounds find equal opportunities here. Active NCC and NSS units build discipline, leadership, and community service skills. These programs promote national integration, social responsibility and encourages sports and cultural activities.

Inclusive Culture and Vibrant Ecosystem

Attending 800–1100 students each year from Saurashtra's widespread regions, the college fosters inclusivity through lively sports, cultural events, and social outreach. This century-old

institution blends modern teaching with cultural values, supporting NEP 2020's multidisciplinary goals to elevate Saurashtra's science legacy globally. Aligned with NEP 2020, the ecosystem is evolving to support flexible learning pathways, allowing students to explore science through a multidisciplinary lens including Indian Knowledge Systems (IKS).

Vision

To provide infrastructural facilities and to create a conducive educational environment to pursue higher education in the science stream for the students of this remote and developing area of the state, with an aim to bring them into the mainstream, and foster the development of science, technology, research, and a value-oriented society.

Mission

Keeping in mind the vision and the purpose and thereby provide higher education in science to the students of this area and with these aids bring them into the main stream of the development and thereby develop the society for futuristic overall development process. Also provide higher education which comprehensively includes the traditional and value base system associated with higher education. By this mission provide thrust in the development of the nation and maintain the texture of age old values of our culture and tradition.

Strategic goals

Over the decade ahead, Bahauddin Science College aspires to evolve into a premier hub for academic brilliance, ground-breaking research, and societal impact. This IDP harmoniously integrates NEP 2020, SDGs, NCrf, and ABC frameworks, unfolding across three strategic phases:

Short-term Goals

- **Academic Excellence:** Achieve a five-star ranking in GSIRF and prepare for an A+ grade in NAAC accreditation.
- **Autonomy:** Develop the college to be selected by the UGC and state government for academic and administrative autonomy.
- **Curriculum & Industry:** Introduce courses based on regional needs and develop strong relations with start-up industries, institutes, and society.
- **Skill Development:** Promote NEP-based skill-oriented education and arrange

national/international conferences.

- **Student Support:** Conduct expert lecture series for integrated personality development and provide training for competitive exams like GPSC, UPSC, JAM, and NET.

Long-term Goals

- **National Ranking:** Perform at a level that places the institute in the **top 200 in NIRF**.
- **Research & Development:** Provide a top-class environment for education and research and develop MoUs with premier institutions.
- **State Leadership:** To become the leading Government College in Gujarat state.
- **Holistic Development:** Ensure the all-round development of students to make them responsible citizens and future innovators/entrepreneurs.

Core Values

The institution operates under the motto: "*विद्यार्थीनी प्रतिभामां प्रतिभानुं निर्माणां करोतु*" (Building talent within the student's persona). Its core values include:

- **Discipline, Dedication, and Determination:** Embracing the spirit of Sadhana, where persistent effort and mental focus are the keys to mastering scientific knowledge.
- **Integrity and Transparency:** Guided by the Vedic principle of "सत्यमेव जयते" (Truth alone triumphs), upholding absolute honesty in research, ethics, and character.
- **Work as Worship:** Practicing Karma Yoga, where the pursuit of excellence in the laboratory and classroom is treated as a sacred duty and an offering to society.
- **Team Spirit:** Rooted in the philosophy of "Vasudhaiva Kutumbakam" and "Saha Nau Vavatu", fostering a collaborative environment where we progress and flourish together.
- **Ethical Innovation:** Balancing modern scientific advancement with ancient Sanskaras, ensuring that technology serves humanity while respecting the laws of nature (Prakriti).

2. INSTITUTIONAL PROFILE

| | |
|--|--|
| Year of Establishment | 1901 |
| Type of Institution | Government |
| Affiliations | Bhakta Kavi Narsinh Mehta University (BKNMU), Junagadh |
| Recognition & Accreditation | <ul style="list-style-type: none"> • Recognized under 2(f) and 12(B) of the UGC Act • Four Star in GSIRF |
| Programs Offered | B.Sc. in Botany, Chemistry, Mathematics, Physics, Zoology, and Forensic Science |
| Website | https://bahauddinscience.edu.in/ |
| MoU | 14 |

Faculty and Staff Strength:

| Category | Numbers |
|-----------------------------------|-----------|
| Principal | 01 |
| Permanent Teaching Faculty | 38 |
| Associate Professors | 08 |
| Assistant Professors | 30 |
| PhD-Qualified Faculty | 26 |
| NET/SET-Qualified Faculty | 22 |
| PhD Supervisors | 08 |
| Non-Teaching Staff | 11 |

Student Demographic:

| Program | Total no. of Students (First, Second and Third Year-2026) | Curriculum |
|-------------------------------|--|-----------------|
| B.Sc. Botany | 132 | NEP 2020 |
| B.Sc. Chemistry | 330 | NEP 2020 |
| B.Sc. Mathematics | 63 | NEP 2020 |
| B.Sc. Physics | 60 | NEP 2020 |
| B.Sc. Zoology | 147 | NEP 2020 |
| B.Sc. Forensic Science | 94 | NEP 2020 |
| Total | 826 | |

3. SWOC ANALYSIS

Strengths

- **125-years Educational Heritage:** Continuous academic excellence and social credibility spanning over a century; deep institutional memory and alumni network.
- **High Faculty Qualification:** Faculty hold PhD/NET/SET qualifications with extensive teaching experience, demonstrating strong teaching and research potential, and mentoring capability.
- **Academic Offerings:** Offering all basic sciences program with Forensic Science (the only program of its kind in Gujarat) attracting interdisciplinary learners and gaining professional recognition.
- **Strong CBCS Implementation:** 100% CBCS-based curriculum; alignment with NEP 2020 flexibility and national standards
- **Equitable Access and Social Commitment:** Institute commitment to social equity, as evidenced by a student body predominantly composed of SC, ST, and OBC candidates from rural backgrounds, many of whom are first-generation learners supported through extensive government scholarship programs.
- **Excellent Student Outcomes:** Achieved high qualifying rates with the majority of students progressing to higher education and numerous students qualifying for competitive exams, reflecting strong teaching effectiveness.
- **Modern Infrastructure:** Most classrooms feature ICT-enabled teaching facilities, well-equipped laboratories with advanced instrumentation, enriched library system and secure campus environment with WiFi connectivity and CCTV.
- **NSS and NCC Excellence:** Considerable student participation in social service and discipline training, fostering strong community engagement and civic responsibility.
- **Top Ranking:** Rank 77 in top 100 colleges nationally (2017); four star GSIRF (2024).
- **Green Campus Commitment:** Solar panels, RO water purification, waste management systems; environmental sustainability integrated into campus operations.

Weaknesses

- **Language Barriers for Rural Students:** Students from rural backgrounds face English communication challenges with limited formal remedial language support programs.

- **Narrow Skill Development Programs:** Few add-on, certificate, or vocational courses limit employment pathways and skill-based integration for science graduates.
- **Need for Enhanced Industrial Linkages:** While academic research has improved, formal partnerships with high-end industries for student internships, consultancies, and "lab-to-market" initiatives are still in the developmental phase.
- **Absence of Postgraduate Programs:** No M.Sc. or research degree programs limits research culture development
- **Limited Research Output:** Publications remain below national benchmarks despite improved infrastructure, indicating need for enhanced research funding, grant acquisition, and publication incentives.
- **Nascent Incubation & Startup Culture:** While research facilities exist, a dedicated formal framework for a business incubator or a "Startup Hub" to convert student projects into commercial ventures is not yet fully matured.

Opportunities

- **NEP 2020 Implementation:** Four-year UG programs, multidisciplinary choices, flexible learning pathways, outcome-based education, experiential learning—significant curriculum expansion opportunities.
- **National Credit Framework (NCrF) and Academic Bank of Credits (ABC):** Credit mobility, student flexibility, migration opportunities; positioning as hub for credit recognition.
- **Research Funding Ecosystems:** Anusandhan National Research Foundation (ANRF), DBT-funded research projects, innovation grants, UGC-CARE grants, PMUSHA schemes for infrastructure enhancement
- **Strategic Collaborations:** MOUs with national/international universities, research institutes, and industry partners for co-research, student exchange.
- **Startup Ecosystem Development:** Strategic alignment with Skill India, Make in India, and Startup India missions through certificate programs, internships, incubation centres, and innovation cells, positioning the college as a regional entrepreneurship hub for graduate youth.

- **Industry Partnerships:** Internships, live projects, curriculum co-design with industry; bridge gap between academic learning and professional expectations.

Challenges

- **Faculty Transfers and Shortages:** Frequent faculty transfers in public interest creates instability in academic leadership and disrupt long-term research mentorship.
- **Communication Skills Enhancement:** Need to improve English communication skills among students from diverse linguistic backgrounds to meet global standards.
- **Research Development Gap:** Building research culture from grassroots level with limited mentorship, funding, and institutional research ecosystem; competing against better-resourced institutions.
- **Curriculum Constraints:** University-prescribed syllabus limits autonomy for innovation and slows response to industry and market demands.
- **Limited Industry Partnerships:** Insufficient corporate funding and industry linkages for laboratories, projects, scholarships, and collaborative initiatives.

4. VISION, MISSION AND CORE VALUES 2025-30

Vision 2030

Become an inspiration of academic excellence and innovation in science education, providing transformative learning experiences to students from all backgrounds, fostering scientific temperament and socially responsible global citizens.

By 2030, Bahauddin Government Science College will be recognized as:

- A centre of academic excellence and research innovation in regional India
- A leader in NEP 2020 implementation with flexible, multidisciplinary, outcome-based programs
- A platform for student entrepreneurship, skill development, and career excellence
- An institution where faculty are empowered researchers, mentors, and knowledge creators
- A sustainable green campus with zero environmental footprint and social responsibility

Mission 2030

Bahauddin Government Science College commits to:

- **Impart High-Quality, Value-Based Science Education:** Integrating traditional Indian knowledge systems with modern scientific practices; fostering curiosity, critical thinking, and scientific temperament.
- **Create a Conducive Learning Environment:** Developing state-of-the-art ICT-enabled, inclusive infrastructure that is accessible to all, regardless of socio-economic background or ability.
- **Develop Employability and Entrepreneurial Skills:** Partnering with industry for internships, live projects, skill development, and startup ecosystem support.
- **Ensure Equitable Access:** Prioritizing underrepresented, marginalized, and rural students; providing scholarships, mentorship, and support services for successful progression.
- **Foster Research Culture:** Supporting faculty research through dedicated funding, facilities, mentorship networks, and student engagement in research-led teaching.

- **Promote Environmental Sustainability and Gender Equality:** Advancing Sustainable Development Goals through green campus initiatives, environmental consciousness, and gender-sensitive institutional practices.
- **Strengthen Community Engagement:** Active involvement in local development through NSS, NCC, extension activities, and public outreach programs.
- **Build Strategic Collaborations:** Building partnerships with academic institutions, government agencies, industry, and international bodies for knowledge exchange and mutual growth.

Core Values

Bahauddin Government Science College's institutional decisions and culture are guided by:

- **Integrity:** Ethical conduct, transparency, accountability, and honesty in all academic, research, and administrative endeavours.
- **Excellence:** Academic and research excellence through continuous improvement, innovation, and adherence to quality standards.
- **Inclusivity:** Equitable access for all students, regardless of caste, creed, gender, or socio-economic background; non-discriminatory, welcoming environment.
- **Innovation:** Creative thinking, research-led inquiry, and adaptation to emerging challenges and opportunities.
- **Sustainability:** Environmental responsibility, social equity, and long-term institutional viability aligned with SDGs.
- **Community Service:** Active engagement in local development, public welfare, and knowledge dissemination for societal benefit.
- **Academic Freedom:** Intellectual inquiry, critical thinking, and independent research protected from external bias or restriction.

5. STRATEGIC GOALS AND OBJECTIVES

Short-Term Goals (2025-2027)

- Implement NEP 2020 framework: four-year UG programs
- Establish 5 add-on certificate programs aligned with skill development
- Achieve NAAC A+ grade in next accreditation cycle
- Enhance digital infrastructure: 100% WiFi coverage, LMS implementation
- Launch industry partnerships: 5 MOUs for internships, joint projects
- Establish Research and Innovation Cell with dedicated funding
- Introduce remedial English communication program for all students
- Enhance library: E-journals, online databases

5.2 Medium-Term Goals (2027-2030)

- Increase research output: 10+ publications in peer-reviewed journals annually
- Establish Research and Incubation Center for startup support
- Develop 5+ certificate and skill-based courses across departments
- Achieve good GSIRF/NIRF rank
- Establish national collaborations: 5+ MOUs with national institutions
- Enhance infrastructure: New classrooms/labs, renewable energy systems
- Implement comprehensive mentorship program for all students

5.3 Long-Term Goals (2030+)

- Attain NAAC A++ accreditation; achieve five star in GSIRF ranking
- Establish status of College with Potential for Excellence (CPE)
- Develop comprehensive four year UG honors and honors with research
- Generate 50+ publications and patents from faculty/students
- Develop sustainable green campus with net-zero carbon footprint
- Achieve 90% higher education outcome for graduates
- Build industry-academia-community partnership ecosystem
- Position as regional hub for science education innovation

6. KEY FOCUS AREAS

- **Academic Excellence**
 - Full implementation of the **NEP 2020** framework across all science disciplines.
 - Achieving a **five-star GSIRF ranking** and securing an **A+ grade in NAAC** accreditation.
 - Transitioning towards **academic and administrative autonomy**.
- **Research and Innovation**
 - Developing a robust research ecosystem to increase **peer-reviewed publication output** and grant acquisition.
 - Establishing **MoUs with premier research institutions** to facilitate faculty and student exchange.
 - Establishing a dedicated **Innovation Cell** to foster a grassroots research culture.
- **Faculty Development**
 - Organizing **national and international conferences** to enhance pedagogical and technical skills.
 - Supporting faculty in becoming **recognized Ph.D. supervisors** and obtaining research grants.
 - Encouraging participation in advanced training for **integrated personality development** and scientific mentorship.
- **Infrastructure Development**
 - Upgrading laboratory facilities to support advanced research and **Forensic Science** specializations.
 - Expanding physical space to accommodate future **UG programs**.
 - Modernizing classrooms into **ICT-enabled smart learning spaces**.
- **Industry Collaboration**
 - Developing strong ties with **start-up industries** and regional scientific sectors for student internships.
 - Co-designing short-term **skill-oriented certificate courses** to meet current market demands.
 - Securing corporate partnerships for **live projects** and laboratory enhancements.

- **Student Support and Employability**
 - Providing specialized training for competitive exams such as **GPSC, UPSC, JAM, and NET**.
 - Enhancing **English communication skills** and professional etiquette for rural students.
 - Operating a **Placement Cell** to bridge the gap between academic learning and professional employment.

- **Digital Transformation**
 - Full integration of the **Academic Bank of Credits (ABC)** for seamless student credit mobility.
 - Implementing a digital tracking mechanism for the **Institutional Development Plan** progress.
 - Expanding access to digital libraries and international scientific databases.

- **Start-up and Entrepreneurship Ecosystem**
 - Aligning with **Skill India and Start-up India** missions to create a campus incubation centre.
 - Mentoring students to convert scientific projects into viable commercial ventures.

- **Promotion of Knowledge of India**
 - Integrating **traditional Indian values** (Sadhana, Satya, Karma Yoga) into the core scientific curriculum.
 - Fostering a sense of **environmental stewardship** based on the Vedic respect for Nature (*Prakriti*).

7. ACTION PLAN / IMPLEMENTATION STRATEGY

1. Academic Excellence & NEP 2020 operationalization

- **Strategic Objective:** Fully transition to a multidisciplinary, credit-based curriculum with multiple entry/exit points.
- **Current Status (Baseline 2025):**
 - 100% NEP 2020 Implementation: Successfully transitioned all undergraduate programs to the NEP framework.
 - 100% ABC Enrolment: All students are currently registered with individual Academic Bank of Credits (ABC) accounts.
- **Activities:**
 - Mapping all courses to the National Credit Framework (NCrF) and Academic Bank of Credits (ABC).
 - Launching vocational and value-added certificate courses.
- **Responsible Person/Department:** Principal and HODs of all Departments.
- **Timeline:** Short-term (2025–27): Initial NCrF rollout, activation of credit transfer systems and first-cycle implementation of "Exit" certifications for students.
- **Estimated Budget:** Supported by Education Department, Government of Gujarat and PMUSHA grant.
- **Key performance indicators:** 100% student enrolment in the ABC platform; percentage of successful credit transfers processed via the ABC portal.
- **Review Interval:** Quarterly review by the Internal Quality Assurance Cell (IQAC).

2. Digital Transformation & Infrastructure Modernization

- **Strategic Objective:** Achieve 100% digital governance and green campus.
- **Activities:**
 - Expanding campus-wide high-speed WiFi and AI-enabled Learning Management Systems (LMS).
 - Scaling the existing Solar Power Systems to meet 100% of campus energy needs and sustainable water management protocols.
 - Transitioning to a paperless office environment through an Integrated Enterprise Resource Planning (ERP) system.
- **Responsible Person/Department:** Principal, HODs of all Departments, ICT Coordinator and Infrastructure Committee.

- **Timeline:** Short-term (2025–27): 100% digital classrooms and green campus certification.
- **Estimated Budget:** Supported by Education Department, Government of Gujarat and PMUSHA grant.
- **Key performance indicators:** Campus carbon footprint reduction; student-to-computer ratio; LMS usage statistics.
- **Review Interval:** Annual review by the Infrastructure Committee and Internal Quality Assurance Cell (IQAC).

3. Research, Innovation & Entrepreneurship

- **Strategic Objective:** Establish the college as a regional hub for basic science research.
- **Activities:**
 - Setting up a dedicated Research & Innovation Cell and an Incubation Centre.
 - Hosting annual National Conferences and workshops.
- **Responsible Person/Department:** Principal, HODs of all Departments and Research Committee.
- **Timeline: Mid-term (2027–30):** Establishment of Research & Innovation Cell and an Incubation Centre and 5+ industry MOUs.
- **Estimated Budget:** Supported by Education Department, Government of Gujarat and PMUSHA grant.
- **Key performance indicators:** Number of published papers and patents; total research funding secured; number of student trained in Incubation Centre.
- **Review Interval:** Annual review by the Research Committee and IQAC.

4. Sports Infrastructure Development Plan (2025–2030)

4.1 Multipurpose Indoor Stadium

- **Strategic Objective:** To provide a state-of-the-art, all-weather facility dedicated to the physical well-being and recreational needs of students and faculty.
- **Activities:**
 - Constructing a separate indoor stadium on existing seminar hall.
 - Installing specialized high-friction, shock-absorbent flooring for Badminton, Table Tennis, and Yoga.
 - Integrating secondary facilities: Fitness Centre (Gymnasium), first-aid facilities.

- **Responsible Person/Department:** Principal, HODs of all Departments, sport committee, Infrastructure Committee and Sport Coordinator.
- **Timeline:** Mid-term (2027–2030) completion of structural work, internal flooring and equipment installation.
- **KPIs:** Average number of students and staff utilizing the facility per day, annual feedback score from students and faculty regarding new facility and accessibility; percentage of female students and staff actively participating in indoor wellness activities.
- **Review Interval:** Annual review by the Internal Quality Assurance Cell (IQAC) and sport committee

4.2. Outdoor Sports Grounds (Volleyball & Basketball)

- **Strategic Objective:** To modernize existing open grounds into standardized, high-quality outdoor courts for Volleyball & Basketball court
- **Activities:**
 - Upgrading existing ground into standard size Volleyball & Basketball court
- **Responsible Person/Department:** Principal, sport committee, Infrastructure Committee and Sport Coordinator.
- **Timeline:** *Short-term (2025–2027)* for court levelling, surfacing, and installation of necessary facilities for Volleyball & Basketball court
- **KPIs:** Percentage increase in students and staff using the courts for daily recreation and fitness.
- **Review Interval:** Annual review by the Internal Quality Assurance Cell (IQAC) and sport committee.

8. MONITORING AND EVALUATION

8.1 Mechanism for Tracking Progress

- The college will define specific Key Performance Indicators (KPIs) for each strategic priority area to accurately track progress and measurable outcomes.
- College will establish clear benchmarks and targets for these KPIs, aligning them with NAAC standards, government norms, and our long-term institutional goals.
- A comprehensive system for collecting, analyzing, and reporting data will be implemented to ensure that all administrative decision-making is informed and held to the highest standards of accountability.

8.2 Mid-term Review and Feedback Loop

- Comprehensive Assessment: The College will conduct annual reviews of the Institutional Development Plan (IDP) to systematically assess achievements, address implementation challenges, and document lessons learned.
- Feedback: We will collect feedback from students, faculty, and staff through structured surveys, focus groups, and consultative meetings to evaluate the real-world effectiveness of our initiatives.
- Corrective Feedback Loop: If KPIs fall behind schedule, the IDP Steering Committee will issue "Strategic Adjustment Notes" to the relevant departments to realign resources and activities.
- Strategic Refinement: The Principal and IQAC will use these review findings to identify areas for improvement, reallocate government grants and resources effectively, and refine action plans for each upcoming academic year.

8.3 Stakeholder Involvement

- Participatory Governance: The College will ensure a decentralized approach to implementation, where faculty, students, and administrative staff act as active partners in achieving the IDP milestones.
- Structured Consultation: We will establish regular meets with alumni and local industries to ensure that our certificate courses and research initiatives remain aligned with societal needs.
- Transparency and Reporting: The administration will share periodic progress updates with the Education Department (Government of Gujarat) to foster a sense of transparency.

9. RISK MANAGEMENT

Identification of Key Risks

- **Administrative Timelines:** Potential shifts in the scheduling of infrastructure projects due to the centralized nature of government procurement and grant disbursement processes.
- **Human Resource Fluctuations:** Challenges arising from faculty vacancies or the transfer of experienced staff members to other institutions, which may impact the continuity of specialized certificate programs.
- **System Integration:** The technical transition period required to synchronize our 100% student registration status with the centralized Academic Bank of Credits (ABC) and credit transfer platforms.
- **Infrastructure Maintenance:** Ensuring the long-term upkeep of new facilities, such as the indoor stadium and outdoor courts, within the allocated annual maintenance budgets.

Mitigation Strategies

- **Proactive Liaison:** The College will maintain consistent communication with the Education Department (Government of Gujarat) and authorities to ensure timely updates on grant status and system activations.
- **Internal Faculty Optimization:** To mitigate the impact of staff transfers or vacancies, we will implement a knowledge-sharing model where existing faculty members are cross-trained in NEP 2020 administrative and academic protocols.
- **Phased Resource Management:** We will prioritize the use of available PM-USHA and state grants for the most critical foundational needs, ensuring that projects like the digital classrooms and sports surfacing proceed in manageable phases.
- **Academic Planning:** While the centralized credit transfer systems are finalizing, the college will focus on strengthening internal academic records by enriching the curriculum through value-added and vocational courses.
- **Sustainability of Facilities:** To preserve our grounds and stadium, the Infrastructure Committee will develop a strict internal usage and maintenance schedule to maximize the lifespan of the equipment and surfaces.

10. BUDGET AND FINANCIAL PLAN

10.1 Detailed Financial Requirements

The financial roadmap for 2025–2030 is supported by a strong current capital base, allowing for the following:

- **Infrastructural Modernization:** Utilizing significant state and central grants for the renovation of main building, construction of the Indoor Stadium, the construction of Basketball and Volleyball courts, and the modernization of existing laboratory structures.
- **Academic & Digital Upgradation:** Allocating funds for 100% digital classrooms, library automation, and the implementation of a comprehensive Learning Management System (LMS) under Adarsh Mahavidhyalaya Grant by KCG, Government of Gujarat.
- **Research & Extension:** Dedicated funding for the Research & Innovation Cell to support faculty publications, student projects, and community outreach.

10.2 Current Funding & Sources

As a Government College, we have specialized institutional grants:

- **PM-USHA Grant (₹5 Crores):** A substantial grant received under the Pradhan Mantri Uchchar Shiksha Abhiyan for the holistic strengthening of the college's infrastructure and academic facilities.
- **Adarsh Mahavidhyalay Grant (₹1.5 Crores):** Funding specifically allocated under the Model College (Adarsh Mahavidhyalay) Scheme to elevate institutional standards to a premier level.
- **KCG Research Grant (₹5 Lakhs):** A specialized grant from the Knowledge Consortium of Gujarat (KCG) dedicated to fostering a culture of Research, Innovation, and Extension.
- **State Education Department:** Regular budgetary support for operational expenses and non-plan expenditures from the Government of Gujarat.

10.3 Sustainability Plan


To ensure these grants translate into decade-long excellence, the college will follow this sustainability model:

- **Cost Efficiency via Green Energy:** Continuing to use the existing Solar Power System to reduce electricity bills, thereby freeing up internal funds for the maintenance of new facilities.

- **Strict Asset Management:** The Infrastructure Committee will oversee the procurement and maintenance of high-value items to ensure they remain functional for long period.
- **Phased Grant Utilization:** We will execute projects in a prioritized manner, ensuring the ₹6.55 Crores in current grants are utilized effectively to meet the Short-term (2025–2027) goals of the IDP.
- **Audit & Transparency:** All expenditures will be subject to regular government audits and review by the IQAC to ensure maximum impact and accountability.

This Institutional Development Plan (2025–2035) for Bahauddin Government Science College is a commitment to excellence. By blending our 123-year-old heritage we are prepared to transform into a global science hub. Guided by transparency, supported by the Government of Gujarat and India, and inspired by the timeless wisdom of our scriptures, Bahauddin Government Science College will continue to be the "eye of science" for generations to come.




PRINCIPAL
BAHAUDDIN SCIENCE COLLEGE
JUNAGADH.