

6.5.1: Additional Information

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes visible in terms of Incremental improvements made for the preceding five years with regard to quality and **post third cycle accreditation quality initiatives**

Status of peer team recommendations

| S.No. | Recommendations made | Recommendations fulfilled |
|-------|--|--|
| 1 | Faculties should undertake research projects for which they get funding from funding agencies/organisations within and outside the country. They should try for consultancies also | Revenue generated through consultancy from the academic years 2019-20 to 2023-24 was Rs.56.67 Lakhs. SAGTE sanctioned 26 research projects to the faculty members during the academic years 2019-20 to 2023-24 and the total amount sanctioned was Rs.30.23 Lakhs. Non Govt Research Projects, worth 20 Lakhs were executed by department of computer science Qualified for the interview of DST-FIST PG College Level Project. |
| 2 | Modern assessment and evaluation methods are to be employed | Online assessment is carried out during the covid period. Assessment of the students in MCQ mode has been started. Question banks are prepared. Classroom quizzes are conducted with flickers etc. |
| 3 | Create state of the art outdoor sports infrastructure | Infrastructure for playing cricket, volleyball, basketball etc. was improved.Box cricket has been established. Open gym with 10workstations was established. Basketball court ground level was increased by more than one feet and according net point and Lighting facility was improved. Ground level was increased by a feet to avoid water logging. |
| 4 | College should go for online transactions | Implemented from 2024-25. |
| 5 | Should establish industry–institute linkages for collaborations. | The college has made MOUs with reputed companies and organisations. Around 60 MOUs are made, out of 40 plus MOUs are active. |

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| | | <p>18 MoUs with Industry were signed in the AY 2023-24.</p> <p>Two programmes have been introduced with the partnership of TCS.</p> |
| 6 | Training to teachers in modern 21 st century pedagogy | Training to faculty members has been provided in association with ICT Academy, Eduskills etc. |
| 7 | More faculties should enrol and complete research degree programme | <p>Providing all round support to the faculty who registered for pursuing Research.</p> <p>18 faculty members awarded Ph.D.</p> <p>And 13 Faculty members are pursuing Ph.D.</p> |
| 8 | College may start a department of music and performing arts | <p>Establishment of 'Department of Music and performing Arts' is under study.</p> <p>However, the college is extending lots of encouragement to students to excel in cultural competitions.</p> <p>With special training and support, the college students bagged trophies twice at National level in all the events they participated in a row.</p> |
| 9 | Initiate more contemporary need based skill oriented employment generation programmes and effective soft skill programmes be initiated | <p>Job oriented programmes like</p> <p>B.B.A. (Business Analytics),</p> <p>B.Com. (Business Process Management),</p> <p>B.Sc. (Computer Science with Cognitive System),</p> <p>B.Sc. (Data Science),</p> <p>B.Sc. (Data Analytics),</p> <p>B.Sc.(Artificial Intelligence & Machine Learning),</p> <p>M.Sc. (Computational Data Science),</p> <p>M.B.A. (Business Analytics) had been offered.</p> <p>Certificate course in Hotel Management and Catering Technology started in the year 2023-24.</p> <p>22 Skill Development Courses have been started to facilitate the local students accessible to latest skills that industry needs.</p> |
| 10 | PG programmes in remaining subjects in which they offer UG programmes such as Economics, Statistics, life sciences etc. | Two new programmes, M.B.A. (Business Analytics) and M.Sc. (Computational Data Science) Programmes were offered. |

The IQAC of, P.B. Siddhartha College of Arts & Science has made incremental improvements in both Academic and Extra-curricular areas, continuously enhancing quality by internalizing a culture of excellence and institutionalizing best practices within the Autonomous System to improve academic and administrative performance.

Key initiatives include curriculum development and enhancement by introducing new programs tailored to industry needs, adopting innovative teaching methods through platforms like Google Classroom, Zoom, and other interactive digital tools, and maintaining strict adherence to a 90-day academic calendar to ensure continuous learning and structured assessments. Additionally, the college effectively frames and maps Course Outcomes (COs) and Program Outcomes (POs) to enhance student learning and satisfaction.

Two significant practices institutionalized as a result of IQAC initiatives, during last five years are:

PRACTICE 1: Curriculum Enrichment

Over the years, P.B. Siddhartha College of Arts & Science has made incremental changes to several aspects of its academic and non-academic functioning. It continues to enhance quality through the internalization of a quality culture and the institutionalization of best practices within the Autonomous System, aiming to improve both academic and administrative performance.

Curriculum Development and Enhancement: As a part of IQAC initiation, the process of Curriculum Development and Enhancement is strengthened through the regular conducting of Board of Studies (BoS) meetings each semester, and ratification by Academic council. The Academic Council and Board of studies members are Ex. present and pro Vice-chancellors, professors from reputed universities, domain experts from industry/reputed laboratories, and learned Alumni. Under the guidance of IQAC, these meetings facilitate continuous syllabus updates, integrating new technologies and addressing gaps identified in the job market.

- **Full length project in one semester:** Students of all UG programmes are made compulsory to undertake one semester long internship/ project.
- **Conducting Value-Added Courses for skill development:** As a part of our IQAC initiative, the college has introduced around 50 value-added courses to equip students

with additional skills and knowledge. These courses are designed to complement the core curriculum and provide students with practical skills that are directly relevant to their fields of study.

- **Implementing Blooms Taxonomy:** IQAC initiatives focus on incorporating Bloom's Taxonomy to enhance the cognitive abilities of students, with an emphasis on developing higher-order thinking skills. IQAC initiatives also encompass the effective framing of Course Outcomes (COs) and Program Outcomes (POs), mapping them to enhance student learning and satisfaction. The course outcomes are mapped with programme outcomes and programme specific outcomes. All the outcomes are also identified with knowledge levels. Model Examination Question papers are prepared with blooms taxonomy model suitable for attainment of course/programme outcome under R22(PG) and R23(UG) regulations.
- **Continuing Attainment:**
UGC suggested rubric model is practiced for attainment of programmes. It involves both direct and indirect assessment.

Link:<https://www.pbsiddhartha.ac.in/Programmes.html>

PRACTICE 2: STUDENT LED ACTIVITIES

Student Led Activities are helpful to build Leadership qualities, improve learning skills and promote diversity in decision making, refine professional and ethical standards and become change agents in their workplaces. They pave the way to mould them as self-motivated leaders by organizing student meets by themselves. Apart from the curriculum the students reveal their interests and demonstrate their ability to make meaningful contribution to organize events, maintain commitment and manage their time and priorities by conducting different activities through various clubs. The students are raising funds themselves to organize the meets and activities. The internal audit is also conducted for the expenditure by the college to achieve transparency.

- **Academic Fests**

Each department conducts one or two regional competitions in their domain areas. The coining of names varies with the context (i.e.) Kurukshetra, Magnova, Visleshak, Incando, Econ, Limes, Chemcoloquium, Sintella, Blitzkreig, and Vibhava.

Apart from these activities they conduct exhibitions, conduct intramural competitions on various occasions. According to their choice, they participate in literary, cultural, NCC, NSS, Yoga and sports events. Students of NCC wings organize defense expo. The volunteers of NSS and other students did priceless work in COVID times by offering food in remote places where the old age people can't come outside. Even in Recent floods in Vijayawada, they volunteered to distribute food by themselves and on behalf of government

- **Leadership Development Programs**

As part of the IQAC initiative, leadership development programs are designed to nurture students' leadership potential. These programs equip students with skills like communication, team management, and decision-making, fostering a leadership culture within the institution. Workshops and seminars provide a hands-on experience, helping students take initiative and lead teams effectively. This initiative aligns with the institution's goal of creating future-ready leaders, promoting self-awareness, emotional intelligence, and ethical decision-making, which are critical for both professional success and personal growth.

- **Student Club Activities**

IQAC encourages student participation in club activities to promote holistic development. Various cultural, literary, science and social service clubs allow students to explore their interests beyond academics. These activities help students develop project management, event planning, and communication skills while fostering teamwork and collaboration. The IQAC supports the formation of diverse clubs to engage students in extracurricular activities, encouraging a well-rounded educational experience. This initiative also aims to enhance student satisfaction by providing opportunities for personal growth and creativity, in line with the institution's goals of nurturing well-rounded individuals.

- **Student-Organized Seminars and Conferences**

To foster academic growth and intellectual engagement, IQAC supports student-organized seminars and conferences. These events encourage students to explore contemporary topics, invite guest speakers, and gain hands-on experience in event planning. By facilitating these activities, IQAC helps students build organizational, communication, and leadership skills while expanding their academic knowledge. The initiative also provides a platform for

students to present their research and ideas, enhancing their public speaking abilities and boosting their confidence. Through this, IQAC aims to create a dynamic and stimulating academic environment that promotes continuous learning.

- **Fundraising Events**

Under IQAC initiatives, students are encouraged to take ownership of fundraising events, promoting financial management and accountability. These activities teach students essential skills such as budgeting, marketing, and teamwork while encouraging social responsibility. Whether raising funds for student activities or social causes, students gain valuable experience in managing resources and organizing academic and social events. IQAC ensures that these activities are conducted with transparency and accountability by implementing internal audits for all expenditures. This initiative helps students develop self-reliance, financial acumen, and ethical leadership, contributing to their holistic development.

- **Experiential Learning:**

The institution always promotes hands-on learning experience through projects leads to fostering practical understanding and application of concepts. The

- **Competitions and Hackathons**

IQAC promotes competitions and hackathons as a means to encourage innovation and problem-solving among students. These events challenge students to apply their knowledge in real-world scenarios, fostering critical thinking and teamwork. By organizing and participating in coding contests, business plan competitions, and creative challenges, students gain exposure to industry trends and build practical skills. IQAC supports these activities to enhance students' competitiveness, creativity, and technical expertise. Through this initiative, the college aims to develop industry-ready graduates with the ability to think critically and solve complex problems.

- **Community Outreach Programs**

Community outreach programs, encouraged by IQAC, enable students to engage with social issues and contribute to the betterment of society. These activities include organizing health camps, environmental drives, and awareness campaigns, allowing students to develop a sense

of civic responsibility and empathy. IQAC supports these initiatives as part of its mission to create socially responsible graduates who are aware of societal challenges. By participating in outreach programs, students gain practical experience in project execution while cultivating leadership and ethical values, aligning with the college's vision of holistic development.

- **Cultural and Sports Meets**

IQAC promotes the organization of cultural and sports meets to ensure a balanced development of students. These events encourage participation in various cultural and sporting activities, fostering unity, teamwork, and healthy competition. IQAC ensures that these events are well-structured and inclusive, providing opportunities for all students to showcase their talents. By supporting such meets, IQAC aims to promote physical fitness, creativity, and discipline, contributing to the overall well-being of students. These events also foster a vibrant campus culture, enhancing student satisfaction and engagement.

- **Student Research Projects**

IQAC encourages student-led research projects to foster a research-oriented academic environment. By working on innovative research ideas, students gain hands-on experience in critical thinking, problem-solving, and data analysis. These projects also allow students to collaborate with faculty, enhancing their research capabilities and contributing to academic knowledge. IQAC provides support for research initiatives by facilitating resources and platform to showcase the findings. This initiative helps students develop strong analytical skills, intellectual curiosity, and a sense of academic achievement, aligning with the college's mission to promote inquiry-based learning.

- **Career Development Activities**

IQAC organizes career development activities such as resume-building workshops, mock interviews, and guest lectures to prepare students for the job market. These initiatives equip students with the skills necessary for career success, including professional communication, networking, and job search strategies. By offering career guidance and industry exposure, IQAC ensures that students are well-prepared for their transition from academia to the workforce. This initiative aims to bridge the gap between academic learning and professional requirements, fostering employability and long-term career growth for students.

- **Entrepreneurship Development Programs**

Through entrepreneurship development programs, IQAC aims to instill a spirit of innovation and self-reliance among students. These programs offer workshops, mentorship, and incubation opportunities to help students turn their ideas into viable business ventures. IQAC supports these initiatives by providing resources and industry connections, encouraging students to explore entrepreneurship as a career path. By fostering entrepreneurial skills such as business planning, risk-taking, and financial management, IQAC helps students develop the mindset needed to succeed in today's competitive market, contributing to the economic and entrepreneurial ecosystem. These activities are aligned with IQAC's mission of ensuring continuous improvement and quality enhancement in academic and non-academic areas

All these above activities are visible from the list of activities of departments and activities menu of the college website.

For Academic activities: Ex. <https://www.pbsiddhartha.ac.in/English.html#> - Activities carried out by students of English department are available.

For Extracurricular activities : <https://www.pbsiddhartha.ac.in/ExtraCurricular.html>

Overall, a lot of Incremental improvements were made during the preceding five years with regard to quality and post accreditation quality initiatives. The details are shown below.

Improvements through IQAC initiatives

| Sl. No. | IQAC Initiatives | 2018-19 | 2022-23 |
|---------|--|---------|---------|
| 1 | No. of Programmes | 26 | 29 |
| 2 | No. of New Courses | 487 | 856 |
| 3 | No. of VAD / MOOCs Courses | 19 | 85 |
| 4 | No. of Faculty having Ph.Ds | 21 | 39 |
| 5 | Internships through eduskills platform | 0 | 2012 |
| 6 | No. of Research Centres | 4 | 4 |
| 7 | No. of Research Guides | 9 | 13 |

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| 8 | No. of Research Scholars | 10 | 37 |
| 9 | No. of Research Papers in Scopus | 21 | 225 |
| 10 | No. of Papers Awarded with Cash Incentive | - | 26 |
| 11 | No. of Patents | - | 10 |
| 12 | Collaborations - No. of MoUs | 20 | 59 |
| 13 | No. of Research guides | 9 | 14 |
| 14 | No. of Faculty members completed their Ph.Ds | 4 | 18 |
| 15 | No of faculty pursuing Ph.Ds | 6 | 13 |
| 16 | ISO Audit | Yes | YES |
| 17 | Green Audit | No | YES |
| 18 | Energy Audit | No | YES |
| 19 | Gender Audit | No | YES |
| 20 | AA Audit | Yes | YES |
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