ST. ALOYSIUS' COLLEGE

AUTONOMOUS
JABALPUR- 482001
MADHYA PRADESH, INDIA

CRITERION-6

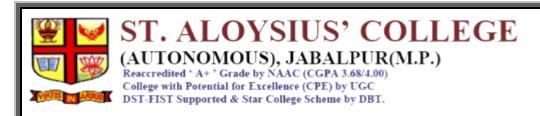## GOVERNANCE, LEADERSHIP AND MANAGEMENT

Key Indicator – 6.5.3

Quality Assurance Initiatives

Metric No.: 6.5.3

AAA Recommendations and ATR

Document Name

AAA Report and Details on Follow-up Actions

AAA Recommendations and ATR

2023-24

Recommendations Across Departments:

1. **Enhancing Research and Publication:**
   o Increase focus on research output and publication in high-impact journals.
   o Encourage interdisciplinary research collaborations.
   o Seek more funding and grants for research projects.
   o Increase student involvement in research activities.
   o Participate in national and international conferences.
2. **Curriculum and Course Offerings:**
   o Introduce more value-added courses and electives in emerging fields.
   o Continuously update the curriculum based on industry trends and feedback.
   o Expand postgraduate programs where applicable.
   o Develop and promote online resources and learning materials.
3. **Industry Collaboration and Internships:**
   o Strengthen ties with industries to offer more internships, live projects, and practical exposure for students.
   o Increase industry partnerships for better placement opportunities.
   o Involve industry experts in curriculum development and guest lectures.
4. **Student and Faculty Development:**
   o Encourage faculty to participate in professional development programs.
   o Increase opportunities for student-led projects and research initiatives.
   o Provide additional resources and support for competitive exams and career development.
   o Promote student and faculty exchange programs with other institutions.
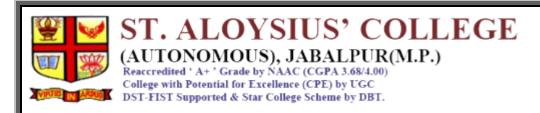5. **Infrastructure and Resources:**
   o Expand and enhance research facilities and laboratories.
   o Improve access to digital resources and online journals in the library.
   o Increase awareness of available resources and support services.
   o Seek funding for infrastructure upgrades and modernization of equipment.
6. **Interdisciplinary and International Collaboration:**
   o Encourage interdisciplinary courses and research across departments.
   o Foster international collaborations for research and student exchange programs.
   o Promote global awareness through international conferences and partnerships.
7. **Student Experience and Engagement:**
   o Increase opportunities for student internships and industry exposure.
   o Enhance the student experience by promoting more extracurricular activities.
   o Develop platforms for continuous feedback from students to improve courses and services.
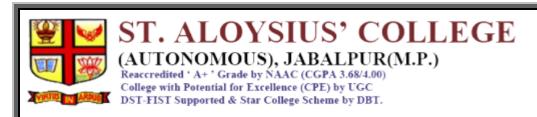
Actions Taken Across Departments:

- **Research and Publication:** Several departments have initiated discussions to increase research collaborations and applied for more national and international grants. Faculty participation in conferences has been increased.
- **Curriculum Updates:** New value-added courses and electives have been introduced, and postgraduate programs are being expanded in some departments.
- **Industry Collaboration:** Strengthened industry ties have led to more internship opportunities and live projects for students. Industry experts have been involved in curriculum development.
- **Infrastructure Development:** Efforts are underway to enhance research facilities and expand digital resource access in the library. Funding for infrastructure upgrades is being sought.
- **Student and Faculty Support:** Additional resources for competitive exams and professional development programs have been provided. New opportunities for student-led projects and interdisciplinary research are being explored.
- **Global and Interdisciplinary Initiatives:** Departments are working on fostering more international collaborations and interdisciplinary research efforts, with plans to introduce new courses that cross traditional departmental boundaries.

2022-23

Recommendations:

1. Expand consultancy services to leverage faculty expertise
2. Increase international collaborations for research and student exchange opportunities
3. Introduce more interdisciplinary courses and programs
4. Enhance digital resources and online learning modules across departments
5. Increase engagement with industry, policy-making bodies, and NGOs for practical exposure
6. Strengthen industry-academic partnerships to keep curricula up-to-date
7. Increase focus on emerging technologies like AI, ML, and cybersecurity in relevant departments
8. Enhance infrastructure with more advanced computing and laboratory resources
9. Develop more industry-specific courses and certifications
10. Strengthen alumni networks to provide mentorship and career guidance
11. Introduce more experiential learning opportunities like live projects and simulations
12. Expand the use of digital archives, online resources, and advanced software tools
13. Encourage more student participation in research projects
14. Develop partnerships with museums, historical societies, and cultural institutions
15. Introduce more global business perspectives and international case studies
16. Enhance the use of data analytics and econometric tools in relevant curricula
17. Integrate advanced technologies like AI for exam proctoring to enhance fairness and efficiency

18. Establish robust question banks for continuous improvement of examination process
19. Expand fitness programs to include more modern activities like yoga and pilates
20. Increase sports scholarships to incentivize student athletes
21. Expand digital repositories to include interactive learning modules and virtual labs
22. Introduce RFID technology in the library to streamline processes
23. Establish dedicated innovation and entrepreneurship cells to support student startups
24. Increase collaborations with international institutions for global exposure

Actions Taken:

1. Implemented NEP 2020 syllabus with innovative projects and internships
2. Established functional MoUs with various industries and institutions
3. Introduced value-added courses to enhance student skills
4. Secured research grants and published in reputed journals
5. Organized workshops, seminars and conferences for faculty development
6. Implemented ICT-enabled pedagogy and experiential learning methods
7. Filed patents on innovative processes and products
8. Provided consultancy services to local industries
9. Implemented semester pattern for UG programs as per NEP guidelines
10. Registered with NAD DigiLocker for digital mark sheet uploading
11. Organized industrial visits and training workshops for students
12. Created startups and developed innovative products through entrepreneurship initiatives
13. Conducted social outreach programs for community engagement

2021-22

Recommendations:

1. Increase collaboration with reputable industries and universities
2. Secure more major research projects
3. Offer corporate consulting services
4. Apply for fellowships and funded research projects
5. Apply for patents
6. Establish Memoranda of Understanding with international universities
7. Increase publications in SCOPUS and Web of Science indexed journals

Actions Taken:

1. Implemented NEP 2020 curriculum for first-year programs
2. Transitioned to blended learning mode using Google Meet platforms
3. Created a cloud repository of 4000+ e-Lectures
4. Provided student support through Google Classroom and cloud-based video archives
5. Offered Value-Added Center courses to enhance student skills

6. Provided scholarships to 773 students from state government and 163 from Aloysius Student Aid Fund
7. Implemented eco-friendly initiatives and awareness programs
8. Developed four prototypes and two novel methodologies through Design & Innovation Center
9. Conducted entrepreneurship programs through Entrepreneurship Cell and IIC
10. Organized gender sensitization programs through Women's cell
11. Adopted five villages for social responsibility initiatives
12. Published 27 international and national research papers, including 6 in Scopus Index and 3 in Web of Sciences
13. Published 39 book chapters
14. Organized 8 webinars (national/international)
15. Granted one patent
16. Published 2 monographs and 3 books
17. Secured one ongoing Major Research Project and one Minor Research Project from ICSSR

2020-21

Recommendations:

1. Increase collaborations with industries and reputed universities to enhance academic and research opportunities.
2. Acquire more major research projects to sustain growth and development.
3. Develop and provide corporate consultancy services to strengthen industry connections and generate additional revenue.
4. Apply for funded research projects and fellowships to boost research output and funding.
5. Increase the number of patent applications to protect intellectual property and showcase innovation.
6. Establish more Memorandums of Understanding (MoUs) with industries for student internships.
7. Focus on publishing research in high-impact journals indexed in SCOPUS and Web of Science to improve academic visibility and reputation.
8. Continue to enhance digital teaching and learning capabilities to maintain educational quality in various scenarios.
9. Expand eco-friendly initiatives across campus operations and curriculum.
10. Further develop entrepreneurship programs and support for student startups.

Action Taken Report:

1. Teaching and Learning:
   o Transformed classrooms into video conference facilities for uninterrupted teaching during the pandemic.
   o Conducted classes using Google Meet platform.

- o Implemented Open Book Examinations for final year UG & PG students as per government directives.
- o Recorded and stored over 4000 e-lectures in a cloud repository.
- o Organized numerous webinars and online tests.

2. Research and Publications:
   - o Faculty published 2 monographs, 4 edited books, 1 self-authored book, 23 international and 39 national research papers/articles, and 47 book chapters.
   - o Filed 2 patents.

3. Rankings and Achievements:
   - o Secured rankings in India Today survey: 66th in Arts, 79th in Commerce, 118th in Science, 108th in BBA, and 121st in BCA.
   - o Students won various awards including Best Speaker in a National Level Debate, USD 3000 in a global case study competition, and medals in national and international sports events.

4. Student Support:
   - o Provided academic skills training to enhance language, writing, problem-solving, and presentation skills.
   - o Awarded 131 college-level scholarships and facilitated 815 state government scholarships.

5. Faculty Development:
   - o Conducted 3 Faculty Development Programs and regular in-house training sessions.
   - o Provided staff training on campus automation software.

6. Eco-friendly Initiatives:
   - o Implemented regular plantation campaigns, waste management awareness programs, and eco-friendly lab practices.
   - o Achieved 100% e-governance to reduce paper waste.

7. Innovation and Entrepreneurship:
   - o Registered 5 companies under the Design and Innovation Center.
   - o Organized various entrepreneurship awareness and training programs.

8. Gender Sensitization:
   - o Conducted multiple programs and courses promoting gender equality and women's empowerment.

9. Institutional Social Responsibility:
   - o Guided 9 colleges aspiring for NAAC accreditation under the Paramarsh scheme.

10. International Collaboration:
    - o Organized a five-day International Student Faculty Exchange program.

2019-20

Recommendations

1. **Increase Industry and University Collaborations**: Enhance ties with reputable industries and universities.

2. **Acquire More Major Research Projects**: Increase the number of significant research projects.
3. **Enhance Public Perception Internationally**: Improve global visibility and reputation.
4. **Obtain Specialized Equipment**: Invest in advanced teaching and research equipment.
5. **Apply for More Patents**: File for additional patents to protect innovations.
6. **Expand MoUs for Internships**: Establish more Memorandums of Understanding (MoUs) with industries for internships.
7. **Strengthen Departmental Research Activities**: Boost research initiatives within departments.

Action Taken

1. **Industry and University Collaborations**: Established partnerships with notable institutions such as Bajaj Finserv and Sophia Girls' College. Conducted a Certificate Course on CPBFI benefiting 74 students.
2. **Research Projects**: Secured one major and three minor research projects from ICSSR. Increased faculty participation in international and national conferences.
3. **Public Perception**: Achieved top rankings in national surveys—ranked as the top college in Madhya Pradesh and among the top ten most admired colleges in India.
4. **Specialized Equipment**: Invested in state-of-the-art equipment to support advanced teaching methods.
5. **Patents**: Filed multiple patents to safeguard technological innovations and research.
6. **MoUs for Internships**: Expanded internship opportunities through new MoUs, including with CMA and Patna Women's College.
7. **Research Activities**: Enhanced research output with additional publications and conferences. Organized seminars and workshops, including a NAAC-sponsored seminar and national conferences on various academic topics.

Additional Achievements

- **Rankings and Recognition**: Recognized by Careers' 360 and The Knowledge Review for excellence in higher education.
- **Star College Scheme**: Awarded by the Department of Biotechnology.
- **Student Achievements**: Students excelled in NCC, sports (e.g., Muskan Kirar's silver medal at the Asian Games), and academic conferences.
- **Green Initiatives**: Implemented eco-friendly practices including waste management, green chemistry, and reduction of paper use through e-Governance.
- **Gender Sensitization**: Conducted programs like Stri Suraksha Samvad and sanitary napkin awareness.
- **Student Mentoring**: Implemented the CARE Program with a mentor-mentee ratio of 1:46.
- **Faculty Development**: Organized 5 Faculty Development Programs and ongoing in-house training.