



Shri Gajanan Shikshan Sanstha's

**SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING
SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA**

“Recognized by A.I.C.T.E., New Delhi” Affiliated to Sant Gadge Baba Amravati University, Amravati

“Approved by the D.T.E., M.S. Mumbai”,

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BEST PRACTICES:

The Institute has a good number of unique and constructive practices that have been nurtured with a concrete thought process. Institutional Scholarship Provision, Industry-Academia Connect, Solar Unit, Cleanliness and Hygiene, Spiritual Touch, Rendering Universal Prayer, Anapaan Meditation, Incubation Centre, Electric Vehicles Unit, and Entrepreneurship Development Cell are the core of these practices. We feel that the below mentioned two practices are the best of these:

- I. Institutional Scholarship Provision
- II. Industry- Academia Connect

1) Title of the Practice-I

Institutional Scholarship Support

2) Objectives of the Practice

The Objectives of this practiceare:

To offer financial aid to students facing economic hardships, ensuring that financial limitations do not obstruct their educational aspirations.

To cultivate a culture of achievement and healthy competition among students, inspiring them to excel academically and in various pursuits..

To acknowledge students who showcase remarkable academic accomplishments alongside outstanding achievements in extracurricular pursuits.

To nurture a sense of social responsibility among beneficiaries, and creating a mind-set that places importance on contributing positively to society.

3) The Context:

The motto of our parent organization, Shri Gajanan Maharaj Sansthan, "Sarve Bhavantu Sukhinah" ("May all be happy"), exemplifies this best practice. Our institution has taken proactive steps to establish a mechanism that not only rewards outstanding students but also extends support to those in need. This initiative is carried out through a dedicated scholarship committee, comprised of a central coordinator, members, and a custodian. The scholarship committee is responsible for overseeing various aspects of scholarships and awards, including merit-based scholarships, scholarships from donors, GATE prizes, best project prizes, and more. To facilitate this process, our institute has established a scholarship fund specifically designed to assist deserving students who exhibit merit and dedication in their studies. This fund has been made possible through the generous contributions of well-wishers associated with our institute, who have generously contributed a lump sum to support this cause. The interest accrued from this fund is then channeled to provide scholarships to students who meet the criteria set by the donors. The institution's scholarship approach reflects empathy by helping students facing financial challenges. With a dedicated committee and a scholarship fund, institute is committed to create an



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environment where students succeed and get the support they need. This aligns with our motto "Sarve Bhavantu Sukhinah," promoting the happiness and growth of all students.

4) The Practice

Recognizing the rising financial challenges associated with professional education, the Institute has taken a proactive approach to lighten the financial load for deserving students based on their merit. As a part of our induction program, it is ensured that all students are well-informed about the existence of this committee and its offerings. This information is readily accessible by displaying it on notice boards across the campus. To facilitate this process, the committee accepts applications from students, meticulously verifies their financial circumstances, and provides assistance in the form of scholarships.

Merit-based scholarships are accessible to students who achieve over 65% in university exams. The institute has established a scholarship fund, supported by generous contributions from well-wishers. The accumulated interest from this fund is distributed as scholarships based on criteria set by donors.

To encourage GATE participation, the institute rewards students with valid GATE scores. Recognizing industry-driven projects, prizes are granted to the top two projects in each branch, as recommended by the project evaluation committee of the department.

For economically challenged students, the institute offers waivers for hostel fees and mess charges, following thorough verification and approval from the Management. For promoting sports engagement, the sports department organizes an annual sports week, providing cash prizes to participants who achieve colour coat in sports and cultural activities.

5) Evidence of Success:

The Institutional scholarship support has yielded several positive outcomes for our student community

Increased Retention: The support has led to higher student retention rates, as students are able to continue their studies without the burden of financial constraints.

Enhanced Competitiveness: Through financial assistance, students have been empowered to compete more effectively, both academically and in various technical and professional competitions.

Active Participation in Technical Competitions: The support has resulted in increased participation in technical competitions and activities organized by professional bodies, contributing to students' growth and exposure in their respective fields.

Improved Performance in Cultural Contests: Scholarship assistance has led to improved performances in cultural contests, showcasing the well-rounded development of students beyond academics.



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Enhanced Sports Performance: Students have exhibited better performance in sports and competitive examinations.

Many students who have benefited from the scholarship support have successfully completed their studies and secured placements in reputable companies. Without this support, these students might have faced the possibility of discontinuing their education.

The practice of awarding merit scholarships further strengthens the competitive spirit among students, recognizing their achievements not only in academics but also in extracurricular and co-curricular activities. This approach cultivates a culture of excellence and accomplishment among students. The holistic impact of this support resonates not only in academic pursuits but also in character development and future success

6) Problems Encountered and Resources Required:

Verification of Financial Need: Ensuring accurate and fair assessment of the financial backgrounds of applicants to determine eligibility for assistance.

Continuing Institutional Scholarship Support: Maintaining the continuity and effectiveness of this practice to provide ongoing support.

Motivating Needy Students: Encouraging financially challenged students to persist with their education and take advantage of available assistance

The institution, upholding its long-standing commitment to supporting economically disadvantaged students, has made a strong commitment to provide essential financial aid to deserving students, enabling them to fulfill their aspirations of higher education. This initiative is a collaborative effort involving the staff, alumni, and institutional Management.

This practice acts as a platform to cultivate ethical values among stakeholders, and all involved parties are devoted to its sustainability and genuine operation. The process involves the careful scrutiny of applications received from aspirants seeking aid. The committee overseeing this process includes: Principal, Coordinator, senior faculty member from each department, class counselors, HODs. Through this collaborative and organized approach, the institution ensures that the assistance reaches those who genuinely require it.

The institution successfully upholds its mission of providing support to deserving students through the Institutional Scholarship Support practice, due to the consistent backing and encouragement from the institutional management.



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7) Notes:

Scholarship Data of Last 6 years-

| Sr. No. | Year | No. of Beneficiaries | Total Amount |
|---------|------------|----------------------|--------------|
| 1 | 2016- 2017 | 391 | 12,25,970 |
| 2 | 2017- 2018 | 387 | 13,20,404 |
| 3 | 2018- 2019 | 372 | 14,85,350 |
| 4 | 2019- 2020 | 319 | 12,49,331 |
| 5 | 2020- 2021 | 266 | 5,81,573 |
| 6 | 2021- 2022 | 367 | 17,29,214 |

1) Title of the Practice-II
Industry-Institute Connect.

2) Objectives of the Practice:

The Objectives of this practice are:

Fostering Practical Learning: To provide students with real-world exposure and practical experiences by facilitating internships, industry visits, and collaborative projects.

Aligning Curriculum with Industry Needs: To ensure that academic programs and curriculum match industry requirements, equipping students with skills for employability.

Nurturing Entrepreneurship: To inspire entrepreneurial thinking among students and faculty by providing mentorship, resources, and opportunities to develop innovative startups.

Industry-Focused Events: To organize seminars, workshops, conferences, and industry talks to expose students to current trends, practices, and challenges in the field.

Enhancing Employability: To equip students with skills that align with industry demands, ensuring a smooth transition into careers after graduation.

Strengthening Collaborative Ventures: To establish strong partnerships that foster research collaborations, joint projects, and initiatives that contribute to societal and industry needs.



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Supporting Skill Development: To offer specialized training programs that address specific industry requirements, enhancing the practical capabilities of students.

3) The Context:

The context of the practice "Industry-Institute Connect" lies within the realm of higher education and professional development. This practice revolves around establishing and strengthening collaborations, partnerships, and interactions between academic institutions, such as universities or colleges, and industries. It seeks to bridge the gap between theoretical education and practical application, creating a synergy that benefits students, faculty, industries, and society as a whole.

In a rapidly evolving world, where industries are characterised by technological advancements, changing trends, and complex challenges, the practice aims to ensure that education remains relevant and aligned with the needs of the job market.

Most of the prominent industries that offer higher salary packages do not directly recruit students. Therefore, students need to augment their knowledge and skills. Through internships, students acquire essential skills and offer fresh perspectives on problem-solving, often resulting in eventual employment within the same industry.

By gaining practical experience and exposure during their academic journey, students become better prepared for the job market. They develop skills that make them more employable and ready to contribute effectively in their professional roles.

4) The Practice:

Shri Sant Gajanan Maharaj College of Engineering has created a strong bond between academia and industry. The IQAC cell of the institute consists of industry experts who provide guidance on curriculum development, industry trends, and emerging skill requirements. The Institute fosters partnerships with industries to undertake collaborative research projects. These projects can address real-world challenges, provide opportunities for faculty and students to work on applied research, and create industry-relevant solutions. Industry experts are invited to deliver guest lectures, conduct workshops, or participate in panel discussions. This provides students with exposure to industry perspectives, current practices, and emerging technologies.

Structured internship is developed with industries, allowing students to gain practical experience, apply theoretical knowledge, and develop industry-specific skills. Industry professionals mentor students, providing career guidance, industry insights, and networking opportunities. Regular industry visits are organized to expose students to real-world working environments, production processes, and industry best practices. Students are motivated to undertake industry-driven projects and case studies. This allows students to apply theoretical knowledge to real-world scenarios and enhances their problem-solving and critical-thinking skills. Faculty and students are encouraged to protect their intellectual property through patents or copyrights. Interaction between faculty members and industry professionals is promoted through



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networking events and industry visits. This helps in staying updated with industry trends, fostering collaboration, and identifying opportunities for research projects. The Institute collaborates with industries to develop certification programs or specialized training modules that align with industry requirements and enhance students' employability. Alumni serving in the industry provide internships, job placements, and industry connections to students. Alumni are involved in guest lectures, mentorship programs, and other alumni-led initiatives. The institute facilitates faculty to undergo sabbatical training within industries. The institute actively engages in signing MOUs (Memorandums of Understanding) with diverse industries to foster collaborative relationships and create beneficial partnerships. The institute organizes regular Industry-Institute meets, which serve as dynamic platforms for academia and industries to interact. The Industry-Institute meets facilitate the exchange of knowledge, foster partnerships, and create a path for joint initiatives that benefit students, industries, and society as a whole.

5) Evidence of Success:

Students' active participation and success in industry-related projects, hackathons, and technical competitions indicate that they have gained valuable skills and knowledge that align with real-world industry challenges.

Experiential learning has proven to be a catalyst for enhancing team dynamics, boosting learning aptitudes, and refining soft skills, ultimately nurturing a sense of social responsibility among students.

This practice has played an important role in cultivating a learner-centric environment, fostering the achievement of program outcomes and the achieving graduate attributes

Students' active engagement in research projects and internships has yielded noteworthy results, including publications, placements and the initiation of start-ups

6) Problems Encountered and Resources Required:

Industry Engagement: Ensuring active and sustained engagement from industries requires consistent effort to communicate the benefits and establish strong partnerships.

Student Participation: Encouraging students' active participation in industry-related activities demands motivation, guidance, and mentorship resources.

Curriculum Alignment: Aligning the curriculum with rapidly changing industry needs demands continuous updates, faculty training, and industry insights to maintain relevance.

Financial Support: Supporting student internships, research projects, and skill development initiatives requires funding for stipends, resources, and travel.



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Monitoring and Evaluation: To ensure successful collaborations, it requires a monitoring mechanism, assessment tools, and a feedback loop.

Sustainability: Sustaining long-term partnerships and initiatives requires consistent efforts, regular updates, and a dedicated team.

Entrepreneurial Mindset: Identifying students with entrepreneurial potential and helping them grow and succeed in their ventures.

7) Notes:

The Industry-Institute Connect at SSGMCE has been pivotal in fostering various impactful activities that bridge the gap between education and industry demands. These initiatives encompass a wide spectrum, including internships, placements, project dissertations, and industry-driven guest talks. Workshops and skill-based certifications contribute to skill enhancement, while research and development support encourages innovative exploration. Entrepreneurial endeavors are nurtured, and lab development ensures practical exposure. Industrial visits, and guest faculty further enrich the learning experience. The collaboration extends to syllabus restructuring, aligning education with changing trends. Inaugural addresses, events, and AIM (Academia-Industry Meet) enhance networking. MOUs facilitate partnerships, and sabbatical trainings bring real-world insights. The connection between industry and academia offers guidance and assistance in line with the National Education Policy's principles, enhancing the quality and relevance of education. Through these diverse activities, SSGMCE's commitment to holistic education and its relevance in the industry become evident, preparing students for dynamic professional pathways.



PRINCIPAL

Dr. S.B.Somani

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