



IIST
Indore Institute of
Science & Technology

**Indore Institute of
Science & Technology**

Affiliated to - RGPV (Bhopal) & Approved by - AICTE (New Delhi)



STRATEGIC INSTITUTE DEVELOPMENT PLAN - 2040





VISION - 2040

**To be an institute of excellence
to develop competent graduates to meet the challenges
of the world of work**

MISSION

- 1. To promote academic growth of learners through educational programmes aligned with provisions of the national education policy 2020 at different levels, viz., certificate, undergraduate, post graduate.**
- 2. To integrate research, innovations, digital technology, artificial intelligence, entrepreneurship, and incubation across educational programmes through collaborative efforts with industry, research organizations, and stakeholders.**
- 3. To harness the potential of individuals for career and professional growth.**





GOAL STATEMENTS

1. To get autonomous status from UGC.
2. To offer undergraduate and postgraduate educational programmes to satisfy the needs of the world of work.
3. To review the existing undergraduate and postgraduate programmes to make them relevant to the world of work.
4. To design innovations in educational programme implementation aligned with developments taking place in the world of work.
5. To effectively implement outcome-based education and assessment philosophy across the educational programmes.
6. To integrate the use of information communication technology, digital technology, artificial intelligence, entrepreneurship, research, incubation, professional ethics, constitutional values, universal human values, cross-disciplinary, multi-disciplinary and trans-disciplinary aspects in educational programmes.
7. To design and implement collaborative projects with industry, research organizations, and professional societies.
8. To design and implement projects, events, and activities for improving the quality of life of people.
9. To make the campus vibrant organizing a wide spectrum of academic, cultural, and sports activities throughout the year.
10. To ensure holistic development of the students using student clubs and offering various courses such as skills improvement, SWAYAM and NPTEL, job-oriented, placement-related and value addition.
11. To draw students' profile for harnessing individual potential and developing their competence.
12. To offer training and development programmes for stakeholders aligned with the IIST group of institutions' competence.





GOAL STATEMENTS

13. To collaborate with sister institutions for mutual benefit and collective growth.
14. To enhance the professional growth of individuals associated with the IIST group of institutions.
15. To offer quality services to all stakeholders, including students.
16. To implement the activities aligned with sustainable goals (SDGs)
17. To achieve the set benchmark in research, publication, and patent consultancy at the institute level.
18. To fill up vacant positions of faculty and staff members on a continual basis.
19. To increase publication of research papers, books, book chapters, case studies, and digital learning resources.
20. To apply for receiving grants and guidance from government and non-government agencies.
21. To adapt organizational structure to match the changing requirements of the institute.
22. To adhere to professional ethics in all areas of functioning of the institute.
23. To organize seminars, symposiums, conferences, debates, discussions and events for students, faculty members, and industry persons on various topics of interest.
24. To market the educational programmes and services to stakeholders.





Strengths, Weaknesses, Opportunities, and Threats analysis

1. **NAAC Accredited institute**
2. **Affordable fee**
3. **Focus on wholesome development of students**
4. **Two undergraduate programmes had accreditation for two cycles, and one programme had accreditation once.**
5. **A wide variety of incentives for students – special benefits in fee, skills development, career development**
6. **Mentored by professionals with international experience.**
7. **Policies, systems, and guidelines for quality assurance are in place.**
8. **State-of-the-art infrastructure satisfying regulatory provisions and contributing to the achievement of sustainable development goals.**
9. **Hi tech laboratories**
10. **SMART classrooms**
11. **E-resources**
12. **Exclusive allocation for start-up, entrepreneurship, incubation and research**
13. **Information, communication, technology-enabled campus.**
14. **Institute-managed transportation system.**
15. **Two-decade legacy for offering quality education.**
16. **Student-faculty ratio 1:25.**
17. **High retention of faculty members.**
18. **Professional training and placement cell.**
19. **Strong network with schools.**
20. **Collaboration with premier institutes and industries**





Strengths, Weaknesses, Opportunities, and Threats analysis

Strengths

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Strengths, Weaknesses, Opportunities, and Threats analysis

Challenges

1. Remove initial barriers to collaborate with industry and stakeholders.
2. Financial implications for non-routine projects, events, and activities.
3. Low entry level of students and faculty members for innovation, change and development..





Strengths, Weaknesses, Opportunities, and Threats analysis

Weaknesses

1. Nominal consultancy work.
2. Low focus on research (academic, industrial, and social) work.
3. Slow adaptation of technology in the functioning of the institute.
4. Low utilization of resources (Human potential, infrastructure, digital technology, laboratories, etc.).

Opportunities

1. Obtain the autonomous status to be more relevant to the world of work.
2. Aggressively collaborate with stakeholders for organizing students' projects, industrial visits, internships, and research work.
3. Offer institutional services to industry and stakeholders in areas of core strengths.
4. Encourage faculty members to undertake real-time consultancy on software development, product development, prototype development, system development, capacity building, and the like.
5. Make the campus AI integrated for all academic and research purposes.
6. Offer awareness, educational, motivational and empowerment-related programmes for stakeholders.
7. Collaborate with industry and stakeholders for developing outcome-based learning resources, viz., stories, case studies, anecdotes, incidents, scenarios, and the like.
8. Integrate vocational courses to enhance opportunities for students to become entrepreneurs, incubators, researchers, and change agents.
9. Undertake experimental studies with stakeholders to evolve new models, systems, approaches, tools, techniques, and best practices.





Values At IIST Group of Institutions

We Value

1. Research and innovation
2. Quality and excellence
3. Creativity and teamwork
4. Quality and excellence
5. Openness and transparency
6. Professional and pragmatic approach
7. Power of information and technology
8. Collaboration and experimentation

Major Issues in achieving the missions and vision of IIST

1. Additional funds required for innovation and major change
2. Low entry level of students.
3. Non-availability of faculty and resource persons in emerging and new areas.
4. Low adaptive behaviour of all internal stakeholders.

Stakeholders Analysis

1. Busy with their routine business
2. Unaware of their requirements
3. Unaware of the strengths of the institute
4. Remotely located





VISION REACH STRATEGIES

The IIST group of institutions have designed vision-reach strategies considering vision, mission, goals, SWOC analysis, value analysis, issue analysis, and stakeholders' analysis. Some of the significant strategies are:

1. Offering educational programmes at various levels (certificate, diploma, undergraduate, and postgraduate) through contact and hybrid modes.
2. Contributing to national priority areas, missions, programmes, and schemes related to management education.
3. Offering long term and short-term capacity development programmes at various levels of personnel working in industry, sister institutions, schools and social organizations through contact and hybrid mode.
4. Organising conferences, seminars, symposiums, discussions, debates, and workshops at international, national, regional, and state levels on various issues and challenges in domain-specific and multidisciplinary areas.
5. Facilitating development, refinement, and revision of curricula for different programmes at different levels viz. Undergraduate, Post Graduate, and certificate to university.
6. Participating in the Government of India's innovative missions, MoE schemes, AICTE schemes, and UGC schemes to enhance capacity of the institute.
7. Producing and disseminating innovative print and electronic learning resources like case studies, role plays reports, modules, workbooks, textbooks, and video programmes to enrich the teaching-learning process.
8. Creating and upgrading 'state of the art' infrastructure to facilitate academic, research, consultancy, and supportive activities of the institute.
9. Establishing a recording studio for developing learning resources on the latest and upcoming developments. Providing opportunities to students to showcase their achievements and experiences to the whole world through various modes of reaching out.





VISION REACH STRATEGIES

10. Facilitating effective learning, research, and publication, providing world class library and learning resources utilization centre.
11. Recruiting faculty and staff members as per requirement of educational programmes, research, consultancy, and development.
12. Providing training and development opportunities to faculty and staff members as per the present and future needs of the institute and to satisfy their career growth requirements.
13. Encouraging research publications at the international level using various modes such as journals, conferences, seminars, and textbooks.
14. Offering a wide range of products and services in collaboration with international and national level agencies such as universities, research organizations, industries, and field agencies to meet clients/ beneficiaries' requirements.
15. Generating revenue by providing a wide range of consultancy services such as training, research, design and development, testing, and learning resource development for different international and national clients.
16. Ensuring participation and transparency in the functioning of the institute at all levels through various modes.
17. Implementing quality and procedure manuals to sustain and improve the quality of products and services.
18. Implementing activities to satisfy and delight the students, beneficiaries, clients, and stakeholders.
19. Undertaking various reforms, such as administrative, accounts, purchase, maintenance, and management information system to continuously improve the efficiency of the institutions.
20. Inculcating research culture at student and faculty levels to enhance academic excellence, especially in the areas of national importance, viz., maintaining biodiversity, disaster management, health and hygiene, and renewable energy safety.





VISION REACH STRATEGIES

21. Establishing a mechanism for effective documentation at all levels for timely reporting, record keeping, and quick retrieval of information.
22. Promoting academic culture to enhance the academic image of the institute.
23. Becoming responsive to the beneficiaries and clients to satisfy their academic, research, and development requirements.
24. Marketing the products and services of the institute to achieve various institutional goals.
25. Encouraging faculty members and students to register copyrights and patents.
26. Strengthening ICT and AI infrastructure to reach the masses for awareness, education, training, and research with minimum time and effort.
27. Undertaking academic and administrative audit for assuring quality and continuously improving the performance of systems and processes.
28. Encouraging students, providing recognition for innovative achievements of students, staff, and faculty members.
29. Designing and implementing marketing strategies for brand building and increasing the catchment area.
30. Preparing students for participating in competitive examinations and competitions.
31. Inviting industry to establish chairs in different areas of technology for research, incubation, and innovation.
32. Making the campus smart by adapting to technological development on a sustained basis.
33. Strengthen the activities of professional bodies for students and teachers.





OUR LEGACY

1. NAAC Accredited
2. Two undergraduate programmes had accreditation for two cycle and one programme had accreditation once. The institute had ISO certificate from 2022 to 2025.
3. Continuous participation and achievements of prizes in Smart India Hackathon, conferences, innovation competitions, training programmes, workshops, competitions, and professional society chapters.
4. ICT-enabled campus
5. Alumni are mentoring innovative projects.
6. Implementing outcome-based education.
7. Implementation of Samagra Samutkarsh Yojana comprising of ready professionals for Industry 4.0, encouragement to startups and entrepreneurship, emphasis on communication, physical health, connect with nature, social responsibilities, student forum professional societies, and clubs, encourage students to come out from their comfort zones, merit-based fee structure and financial assistance, know thyself and to be thyself willing to evolve.
8. Students' clubs in multidisciplinary areas like Aero-modelling, Drone club, AI Clubs, Robotic Clubs, and Technical club.
9. Institutional level participation in different activities of IIT Delhi (Virtual Lab) IIT Bombay (e-Yantra lab), IIT Bombay (Spoken tutorial), participation in SWATAM, NPTEL, Micro, Small and Medium Enterprises of Govt. of India, AWS Academy, edX, Coursera, Red Hat Academy, Image Academy.
10. School connect programmes - conducting various activities for school students.
11. Green initiatives through green waves clubs aligned with sustainable development goals.
12. Celebration of Jayanties and national festivals to connect with culture of the country.
13. A wide spectrum of sports and spiritual activities for students and staff members.
14. Collaborative work through memorandum of understanding (MOUs) with industry, professional societies, and stakeholders.

