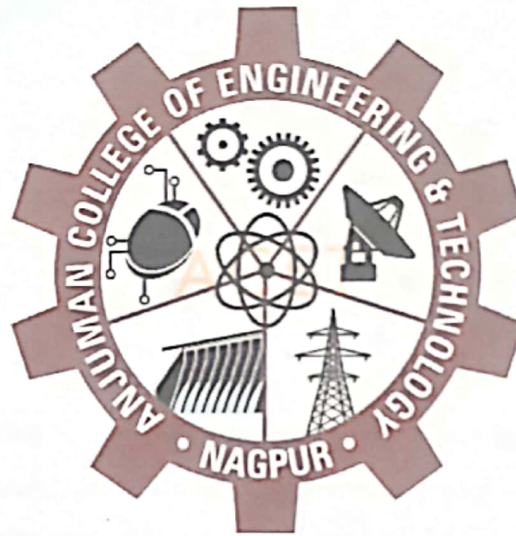


Strategic Planning And Deployment Document



**ANJUMAN COLLEGE OF ENGINEERING & TECHNOLOGY,
NAGPUR**

Accredited with Grade "B++" by NAAC

Mangalwari bazaar road, Sadar, Nagpur-440001
Maharashtra (India)

[Signature] *[Signature]*

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Principal
Anjuman College of Engineering
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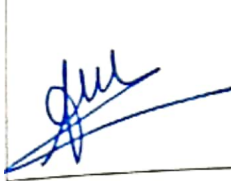
About ACET:

The Anjuman College of Engineering and Technology [A.C.E.T.] is managed by Anjuman Hami-E-Islam, Nagpur. It is a pioneer Educational Trust, serving the cause of education in the region. For well over 135 years. Irrespective of the considerations of the various caste and creeds, it has a widespread reputation in the field of education in Vidarbha and is currently running 20 Educational Institutions. Anjuman Hami- E-Islam started an Engineering College in the academic year 1999-2000 with three branches Mechanical, Electrical, Electronics and Telecommunication, and two more branches viz Computer Science & Engineering and Civil Engineering have been added. Also to meet Industry 4.0 challenges, the Artificial intelligence and Data Science branch was introduced. Slowly and steadily the College has carved a niche for itself and has established itself as a name to be reckoned with providing quality Technical Education at a very affordable

Preface:

For an organization, strategic planning is very essential to accomplish the Vision and Mission, which it dreams of Strategic planning is a continuous process with a specific focus on accomplishing institutional goals in this competitive world. Strategic Planning and deployment document (SPDD) is based on an analysis of current obstacles and future opportunities and envisages the direction toward which the organization should move to achieve its set goals and objectives.

The first part of it addresses the vision, and mission which the institute dreams along with core values. These are defined and guided by the stakeholders through SWOC analysis. After analyzing the internal and external environment, the institutional goals were set up in all possible growth domains through continuous thought processes and discussions with HODs and faculty members. The strategies with action plans were decided to achieve institutional strategic goals. While formulating the strategic plan and deployment document, care is taken to involve all stakeholders to help contribute their part which is vital for the success of every organization. An effort is taken to identify the implementation processes and monitoring by identifying measurable targets in line with the desired outcomes. This will emerge to be the guiding force for ACET to achieve its goal to become an institution of academic Excellence and providing professional skilled young Engineers and managers to society.



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Vision:

To be a center of excellence for developing quality technocrats with moral and social ethics, to face the global challenges for the sustainable development of society.

Mission:

1. To create a conducive academic culture for learning and identifying career goals.
2. To provide quality technical education, research opportunities and imbibe entrepreneurship skills contributing to the socio-economic growth of the Nation.
3. To inculcate values and skills, that will empower our students towards development through technology

Quality Policy:

We are committed to imparting value-added education that would enable us to fulfill the ever-increasing demands of the competitive and target-driven business environment

Core Values:

Aiming for access to education:
We aim to provide quality education in different fields.

Human Touch:
Service of people through quality education for the betterment of community and nation.

Integrity:
Imbibing knowledge to students of all communities, contributing to the socio-economic growth of the nation


Academic Excellence:
We aim to be a center of excellence in engineering and technology, developing the highest level of technocrats.

Challenge- **C**are- **C**hange

We commit our service to people. Take it as a challenge to uplift the students of every community, care for them and aim to bring change.

Encouragement
We encourage critical thinking, qualitative reasoning, effective communication, ethical decision-making, and social responsibility in our students.


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Team spirit:

We inculcate the team spirit of professionalism and moral values among our technocrats aiming their all-round development economically and socially

Objectives:


- To ensure the all-round development of students by providing various co-curricular, extra-curricular, and entrepreneurship skill development opportunities
- To enhance research culture among the faculties and students, by providing the latest research facilities and industry Institute interaction.
- To inculcate moral integrity in students and make them socially responsible good human beings.
- To develop leadership qualities and an ability to work in a team, by encouraging the students to participate in various activities.

SWOC Analysis

Strength:

- Commitment to serving the cause of education and to achieving academic excellence
- Farsighted, Supportive, and Democratic management
- Managed by a Nonprofit Educational trust with a legacy of more than 135 years
- Located in the heart of the city
- Thrust on judicious use of natural resources and recycled material
- Student Centric pedagogy catering the needs of slow learners and fast learners
- Active industry institute interaction
- Reaching to all the sections in general and the underprivileged in particular
- Highly Experienced and equally dedicated Faculty
- One of the best institutions in terms of staff retention having almost 100%staff retention
- More than 75% University approved Teaching staff.
- Corporate trainers for Soft Skills and Aptitude training
- Proven teaching-learning processes
- Avenues for all round development Strong connections with stakeholders
- Effective training interventions in the form of Bridge Courses and Ad On Courses.
- Enjoys the goodwill of all the sections of society.
- 100% of revenue generated is utilized on staff salary and the overall development of the institution. Believes and practices education laced with moral and social ethics
- Earned goodwill and developed a strong rapport with the university,
- D.T.E. and various other official governing bodies
- We have one of the best library meetings all the laid-down standards of modern technical




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education have set up a trend of churning out university-rank holders consistently

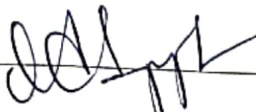
- Rated amongst one of the five best colleges in the region
- Cosmopolitan environment
- Strong community tie-ups through student participation
- State-of-the-art learning resources

Weakness :

- The nonavailability of funds and resources from government sources on time
- A vernacular blend of students Weak entry level of students
- Research activities need to be enhanced
- A mismatch between industry requirements and the university syllabus
- Fewer placement opportunities in mechanical and civil branches as compared to other branches Difficulty in getting consultancy assignment

Institutional Opportunity :

- Proximity to Fast developing industrial belt
- The emergence of Nagpur as a Smart City
- Opportunities for higher education Skill development opportunities under government schemes
- Start up avenues
- Make In India.
- Digital India Mission
- Research and Development


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Institutional Challenge :

- To mold the level of students' input into higher levels.
- The lesser scholastic aptitude of students
- A vernacular blend of students
- Delay in receiving a government scholarship
- To manage and meet the specified standards of modern technical education with limited financial resources
- Shift in student's preference for Engineering over other courses

Strategic Goals

The team of the ACET after several discussions and planning, guided by Mission and Vision of the institute, Quality policy, Core value, Stake holder's expectations, and SWOC analysis have framed the institutional strategic Goals


- Focusing on an effective teaching-learning process.
- Ensuring good Governance.
- Establishing a continuous Internal quality assurance system.
- Concentrate on Industry Interaction and partnership
- Enhancement of Incubation cell.
- Enhancement of Alumni interaction cell and promotion of outreach activities
- Serving the society and community through our Alumni
- Developing physical infrastructure.
- Enhancement of entrepreneurship
- Increase the internal revenue generation
- Provide the financial support to the students
- Availing of the various professional technical membership viz ISTE, ICT.

Quality improvement strategies adopted by the institution

Curriculum Development

The Institute is affiliated to R.T.M. Nagpur University. Faculty members of the Institute take active participation in the design and development of the curriculum. Many faculty members are on board of studies of the University and many are participating in syllabus reframing workshops which are conducted by the university from time to time. Stakeholders' feedback and suggestions on curriculum are taken in every session. Based on this feedback, the suggestion received




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regarding the curriculum is communicated to the university, and Certificate courses, Add-on Programs, Value added Courses are conducted. Effective implementation of the curriculum is ensured by the departmental and central academic committees.

Teaching and Learning

The institute focuses on enhancing learning experiences through student-centric teaching-learning processes.

The following methodologies are adopted

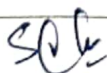
1. Experiential / Field Learning: Through practical conduction, Industrial visits, Internships, and training programs students get practical knowledge and get exposure to the latest technologies.
2. Problem-Solving Learning: Tutorial classes enhance the problem-solving and analytical skills of the students.
3. Collaborative/Participative learning: This includes Group discussion, practical conduction in groups, projects, and case studies. Students interact with each other and share their thoughts/ an experience, which enhances students' learning interests.
4. Use of ICT tools: LMS, Google Classroom, and NPTEL is used.
5. Involving stakeholders in designing a curriculum to prepare a base for the engineering profession

Teaching and Learning methodology-

Departmental Academic Calendar, Lecture plans, Course learning Objectives, and Course Outcomes. Lecture notes, and Updating the library with appropriate books as suggested by the faculty. Modifying the laboratories to cater for the needs of revised syllabus and new technology. Monitoring students' performance through Internal Unit Test-I and II, Improvement test, Assignments, quiz, seminars and projects. Monitoring the teaching process through Online feedback from students . Oral feedback from students in the student council meeting with Head of department and Dean (Academic) and during mentoring sessions. Academic audit by peer committee. Audit of completed syllabus(Monthly) .Result analysis at the end of semester examination. Addressing issues of individual student. Additional classes for slow learners. Personal guidance to students approaching with difficulties mentoring of students to motivate Addressing issues related to course

Examination and Evaluation

Examination and evaluation are done by the affiliating University. Theory examinations and practical/oral examinations are conducted as per the University schedule and rules. The Faculty contributes to the examination work like question paper setting, invigilation of theory examination, examiner and subject experts for paper setting valuation of answer books related to



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university examination. Whereas for internal evaluation, Institute has Centralized Examination and Evaluation System. The examination reforms in the Institute are not merely a technique to improve the evaluation system but to be viewed as an aim at improving the education process itself. Institute fulfills the objectives by 1) Conduction of Continuous Assessment Tests- Two Continuous Assessment Tests per semester are conducted. 2) Transparency in the evaluation system. Question paper is prepared by the faculty members and are moderated by the departmental Moderation Committee. Examination papers are prepared by using Bloom's taxonomy.

Research and Development

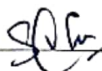
R & D cell constantly motivates the faculty members to prepare and submit R&D proposals to various funding agencies. The institute regularly organizes various research Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices/training programs/sensitization programs by experts drawn from eminent research institutes and industries with a focus on capacity building in terms of research and imbibing research culture among the staff and students. Institute motivates faculty by awarding incentives to the teachers who receive recognition/awards. Potential research collaborators are identified and MoUs are signed with them.

Library, ICT, and Physical Infrastructure / Instrumentation

Fully automated computerized library facility continuing open accessory/one entry one exit system. The library ensures the efficient utilization of the book bank facility by the students. Learning resources such as NPTEL video lectures, National Digital Library (NDL), DELNET, e resources, e-books, and e-journals are available in the library. Computer labs, Computer browsing centers, with internet facilities are accessible to students. All departmental labs are well-equipped and available for students and staff. Campus-wide Networking Wi-Fi. Every department has a separate departmental library for students and staff. Backup power supply which ensures power supply to the campus almost on a 24-hour basis. The institute regularly increases ICT facilities for classrooms, tutorial rooms, and Laboratories. Each faculty is provided a Computer for usage for the interactive teaching-learning process.

Human Resource Management

Faculty are felicitated for their academic achievements. For compensation and benefits of the students and the staff, welfare schemes exist in the institute. The institute uses performance evaluation methods for HR. At the end of every year, a performance evaluation of the staff is done by the head of the department/section. This is used for deciding promotions and increments. Own performance evaluation is done by the faculty and reports are submitted to the Principal. Support for further research in the form of seed money, sponsorship for attending conferences, etc. Laptops and other computational facilities. Insurance for Teaching Support staff



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Industry Interaction / Collaboration

Because of sharing technical resources and expertise, MOUs are signed with companies. Industry Internship programs, industry-designed certification courses, and Industrial training during vacation are made available for the students so that they should not deprive the benefit of industry culture. Orientation programs are conducted for the students and guest lectures by the Industry

Admission of Students

The admission procedure of students is done through a central process conducted by DTE (Directorate of Technical Education) wherein students choose an institute as per their requirement by filling up an online option form. Institute attains high academic standards through continuous improvement in our processes, products & services which is obvious through good results in University examinations. The institute maintains this reputation by adopting strategies like providing quality infrastructure and facilities and maintaining good training and placement track records. Encouraging extracurricular activities like sports and other arts. Maintaining Ragging free environment and the institute conducts admission process awareness programs and counseling sessions for prospective students.


Strategy Implementation and Monitoring

After approval of the Strategic development plan, the next step is its implementation. During implementation, the progress of the strategy shall be measured from time to time. Hence the measurable success indicators are spelled out in the implementation document. The principal along with the other members of IQAC periodically reviews the strategic plan and its deployment.

Responsibility & Accountability for various activities at the institute level

Name of the Committees

- Governing Council
- College Development Committee
- Anti-Ragging Squad
- Anti-Ragging Committee
- Internal Complaints committee
- Women's Cell
- NSS Advisory Committee
- Library Advisory Committee
- Examination Committee
- Departmental Advisory
- Research Committee



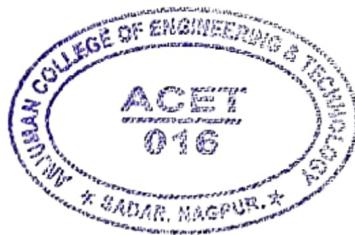

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- Industry Institute Interaction Cell
- Internal Quality Assurance Committee
- Cultural Committee
- Equipment & Computer Furniture Maintenance Committee
- Building Maintenance Committee
- Student Council
- Training and Placement Cell
- Student Grievance Redressed Cell
- House Keeping Committee
- Digital Media Committee

Monitoring Strategic Plan

The implementation of the strategic plan is monitored time to time by the Principal and IQAC coordinator through periodic review. The Departmental heads & committee coordinators prepare the detailed progress report and present it in the review meetings. The benchmarking of quality standards and its monitoring, and evaluation of attainment is carried out by the IQAC independently. The IQAC reports the findings to the principal. With a thorough analysis of outcomes and based on the IQAC report, corrective actions, the need for further processes, and the deployment of resources have been done by the head of the Institute. All these reports are forwarded for further discussions and approval to management & CDC members.





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 Principal

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