



Strategic Management Process of Walchand Institute of Technology, Solapur



STRENGTHS

- Faculty & Staff Members**
- Qualified and experienced faculty: Doctorates (13%), pursuing PhD (19%)
 - Expertise in multidisciplinary knowledge areas
 - Faculty adopts ICT and blended teaching-learning process
 - Student centric functioning including mentoring and counselling
 - Faculty representation in BOS/Academic council and participation for Curriculum Design, Development & implementation of Affiliating University
 - Good number of faculty research publications in International Journals & Conferences
 - Rendering consultancy services enhancing industry-institute interaction and revenue
 - Gender diversity: More than 35 % of faculty are women, more than 40% students are girls
 - Faculty & Staff members are competent and trained for skill enhancement.
 - Average working experience of staff is more than 11 years
- Students & Alumni**
- Advanced learners have demonstrated potential through projects and various competitive examinations for higher education and professional career
 - Highest number of University ranks for all programmes
 - Good campus placement, achievements in various activities through awards
 - Alumni spread across the globe with more than 600 entrepreneurs
- Curriculum & Infrastructure**
- Well-equipped infrastructure and educational learning resources
 - Periodic review and revision of curriculum in accordance with industrial needs
 - well-established examination and evaluation processes for both ISE & ESE
 - State of the art laboratories with research facilities
 - Adequate Campus amenities and Wi-Fi along with ICT Facilities
 - Good library facility with adequate volumes and titles along with journals
 - Gymkhana with all facilities and play ground
 - Good residential facilities for boys and girls

WEAKNESS

- Awards & Recognition**
- Need to enter in to more MOUs for increasing industry-institute interaction
 - Need to increase fundamental and applied research
- Faculty & Staff Members**
- More faculty members need qualification up gradation and get acquainted with latest technology
 - Need to focus on quality publications, patent filing and explore commercial potential.
 - Consultancy services need to extend for all types of industries
- Students & Alumni**
- Enhance number of students opting for higher education with counselling and training
 - Need to increase placements in core companies
 - Need to increase alumni interaction and strengthen alumni association through proper networking
- Curriculum & Infrastructure**
- Since self-financed institution, limited resources available for development of the laboratory
 - University affiliated college, restriction on academic flexibility

VISION

To produce young, globally competent Graduates/Post-Graduates/Doctoral Engineers with an aptitude for leadership and research, to face the challenges of modernization and globalization courageously who will be instrumental for overall growth of the society

MISSION

- To impart quality Technical Education in accordance with the needs of the society through various academic programs.
- To foster learning process & provide proper ambience for motivating students for creating awareness to excel in the ever expanding field of science & technology.
- To enhance career opportunities for students through exposure to industries & research institutions
- To strive for excellence by encouraging independent critical thinking, creativity & discipline
- To create awareness for engineering ethics & human values for instilling moral, social values & loyalty & respect towards society & its heritage

STRATEGIC OBJECTIVES

- To develop a heterogeneous environment for research and development
- To upgrade the classrooms to digital classrooms with net connectivity
- To increase the number of e-resources to be provided to enhance research.
- To increase the number of faculty members with Ph.D.
- To strengthen the departments recognized as research centres with latest equipment and computational facilities.
- To increase the number of research scholars in each research centre
- To provide sustainable solutions to various engineering problems with special reference to local conditions and various issues of societal development.
- To provide skilled employee in an industry-relevant technology.
- To guide students with career counselling for professional courses
- To create awareness and assist society in various national programs and fundamental rights
- To inculcate sense of responsibilities and respect towards society amongst youth and encourage social welfare in the students.
- To provide training to faculty on state-of-art technologies to make them capable of providing Engineering solutions to the local community and society through consultancy.
- Faculty deputations to industry for research and training
- To organize executive meets regularly and nourish good relationship with industrialists
- To motivate faculty to take up industry sponsored R&D projects
- To organise tailor made program as per the requirement of industry.

KEY ACTIVITIES

- Enhance heterogeneous environment for research and development
- up gradation in qualification and enhancement of skill of faculty
- Enhance teaching-aids and effective teaching.
- Encourage to create material for effective learning
- Encourage for research publications
- Library digitalization
- Finance Mobilization
- Upgrade classroom infrastructure through adoption of state of the art educational technologies
- Promote student entrepreneurship
- Strengthening and Establishing Laboratories
- Modernising Conference Hall
- Management capacity building
- Initiate Institutional reforms
- student guidance and counselling
- Alumni bonding
- Green campus
- Energy Efficiency Initiatives like solar plant
- Update curriculum
- Faculty Development Program
- Campus training and placement
- Industrial projects, Industry training
- Project base learning, NPTEL programs Hackathon
- Society need base projects
- Self learning subjects
- Virtual lab
- E-studio, E-submission, E-assessment
- Blended education
- Internet , Wi-Fi , MOODLE Communication Facilities
- Industry sponsored lab, Funded labs
- Employability skills
- Industry Electives and training to faculty and students

SWOC ANALYSIS

OPPORTUNITIES

- To acquire status of an Autonomous institution
- Oldest and reputed institution which has potential for growing consistently over 34 years, opportunity to expand multi-fold
- Explore centre of excellence and interdisciplinary approach
- To increase fundamental and applied research
- Cater the needs of local industries especially textiles and contribute to the growth of Solapur and making Solapur as a smart city
- To enter in to more MOUs for increasing industry-institute interaction
- To explore alumni involvement in academic and placement activities
- Training for competitive examination both in-house & external agencies
- Requirement for value added training programmes for unemployed rural youth of the region.

CHALLENGES

- Attraction of students to migrate towards metro cities for admissions
- Mushrooming of engineering colleges in the state and Solapur district.
- Self-financed institution, therefore higher fees for technical education leading students to look for alternative admissions.
- Surrounding institutes offers concession in fees to fill their seat at any cost.
- University Affiliated institute, Rigidity of academic structure and curriculum
- Faster fourth industrial revolution leading to rapid change in technology (Industry 4.0)
- Industrial recession and growth cycle

QUALITY POLICY

To empower Faculty and Students by subscribing to Total Quality Management (TQM) and by adopting dynamically improving teaching-learning process in the field of Science and Technology to become a force to be reckoned with