Strategic Management Process of Walchand Institute of Technology

STRENGTHS

Faculty & Staff Members

- · Qualified and experienced faculty: Doctorates (13%), pursuing PhD (19%) Expertise in multidisciplinary knowledge
- · Faculty adopts ICT and blended teachinglearning 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 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
- · Good residential facilities for boys and

OPPPORTUNITIES

Oldest and reputed institution which has potential for

Explore centre of excellence and interdisciplinary

contribute to the growth of Solapur and making Solapur

To explore alumni involvement in academic and

placement activities
Training for competitive examination both in-house &

Requirement for value added training programmes for

unemployed rural youth of the region

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

SWOC ANALYSIS

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
- To foster learning process & to 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 & to appreciate the rights of others & respect towards society & its heritage
- To help the students to implement their acquired Engineering knowledge for society & community development, thus enhancing a strong sense of social responsibility & accountability
- To reach to the community through various outreach programs to include the scientific technological spirit among all
- To promote and provide a framework to meet campus sustainability goals & mitigate climate change
- To help in nation building through a pool of dedicated, disciplined, intellectual & integrated manpower

CHALLENGES

- · Attraction of students to migrate towards metro cities for admissions growing consistently over 34 years, opportunity to expand multi-fold
 - 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 feet 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.

STRATEGIC OBJECTIVES

- develop a heterogeneous environment for research and develonment
- To assimilate and disseminate
- 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 such as: digital India, Gender equity, Swachh Bharat Abhivaan, voters registration & awareness.
- To inculcate sense of responsibilities and respect towards society amongst youth through blood donations, yoga training sessions etc and encourage social welfare in the students.
- · To provide training to faculty of Maharashtra and Karnataka on stateof-art technologies to make them capable of providing Engineering solutions to the local community and society through consultancy.
- Faculty deputations to industry for research/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 programmes 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 digitization
- 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 · Project-based learning, NPTEL
- programs, Hackathon
- · Society need based projects
- · Self learning subjects
- Virtual lab
- · E-studio, E-submission, F-assessment
- · Blended education
- Internet, Wi-Fi, MOODLE **Communication Facilities**
- · Industry sponsored lab, Funded labs
- Employability skills
- · Industry Electives and training to faculty and students