



# Strategic Management Process of Walchand Institute of Technology, Solapur



## STRENGTHS

- Faculty & Staff Members**
- Qualified and experienced faculty: Doctorate (13%), pursuing Ph.D (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 Curricular 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 40% 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 UG & PG
  - 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 & 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 & 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 organize 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
- Create and expand facilities which has potential for growing consistently over 30 years, sustainable to second millennium
- Explore entire of excellence and interdisciplinary approach
- To business/fundamental and applied research
- Cater the needs of local Industries equality facilities 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 students and placement activities
- Training for competitive examination both to house & external agencies
- Requirement for value added linking programmes for unemployed rural youth of the region.

### CHALLENGES

- Attraction of students to migrate towards metro cities for admissions
- Multinumber of established colleges in the state and Solapur district.
- Self-financed institution, therefore higher fees for technical education leading students to look for alternative admissions.
- Sarvaashraya Institute offers concession in fees to fill their seat at any cost.
- University Affiliated Institute, Rigidity of academic structure and curriculum
- Postter 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