



# **Vasavi College of Engineering (Autonomous)**

**(Sponsored by VASAVI ACADEMY OF EDUCATION)**  
**(Affiliated to Osmania University, Hyderabad, Approved by A.I.C.T.E.)**  
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# **Strategic Plan 2015-2020**



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## **SWOC ANALYSIS**

### **STRENGTHS:**

- Focused Vision & Mission.
- Well developed infrastructure.
- Qualified and experienced faculty & staff.
- Quality of students admitted.
- Good academic culture, ambience and working environment leading to high students and faculty satisfaction.
- Management supports faculty qualifications upgradation and good academic practices.
- The administrative and management policies & controls are well established and operate effectively. Standard procedures, policies and practices are in place.
- Campus placements are strong and career counselling for students is well organized and structured.
- Students are given awards and rewards for merit achievement.
- Proctorial system with regular monitoring of attendance of students and their performance in examinations.
- Reputation and prestige of the college is rated high by students for its overall training, holistic development and academic results & placements.
- Institute location-accessible to all the Stakeholders.

### **WEAKNESSES:**

- Less number of faculty with Ph.D.
- R & D and consultancy activities are limited and research culture needs to be strengthened.
- Absence of comprehensive Academic ERP System.
- Industry-Institute interaction.

**OPPORTUNITIES:**

- Autonomy would enable the Institute to address the shortcomings under affiliation system.
- Leveraging locational advantage to network with institutes of higher learning, industry and research organisations for consultancy, collaborative R & D Projects, sponsored research, academic interaction, student internships etc.
- Use its alumni base for institutional growth.
- More research funding opportunities.
- Ph.D Programmes offered by many public and private universities.

**CHALLENGES:**

- Establishment of higher educational institutions, Private and Deemed Universities can cause unequal competition.
- Quality of student intake in certain departments due to change in preferences.
- Change in mindset towards R&D.
- Presence of mediocre journal publishers.
- Tough competition in research funding opportunities.
- Availability of quality faculty interested in teaching.
- As tuition fee is regulated, resource base could be affected.



## **VISION**

“Striving for a symbiosis of technological excellence and human values.”

## **MISSION**

“To arm young brains with competitive technology and nurture holistic development of the individuals for a better tomorrow.”

## **Targets & Strategies**

### **Key Words@VISION**

- Technological excellence
- Human values

### **Key Words@MISSION**

- Competitive technology
- Holistic development

**Key Target Areas (KTAs) derived from Vision & Mission :**

1. Facilitating high-quality knowledge.
2. Development of competencies and skills.
3. Enabling to handle the technological challenges.
4. Fostering human values and all-round development.
5. Training to excel as practitioners and entrepreneurs.

## **TARGETS & STRATEGIES**

### **Strategies to achieve Vision & Mission :**

Strategy#1: To establish better academic practices and procedures.

Strategy#2: To be a choice for good quality students and competent faculty.

Strategy#3: To produce technically competent and ethically strong graduates.

Strategy#4: To encourage Research & Consultancy.

Strategy#5: To develop a smart campus.

### **Strategy#1: To establish better academic practices and procedures.**

#### **TASKS:**

##### **1.1 Revision of curriculum & academic regulations:**

- Introduction of more lab courses.
- Introduction of more number of professional electives.
- Introduction of open electives.
- Introduction of industry supported electives.
- Introduction of online courses.
- Introduction of Mini Projects.
- Provision for Industry internships.
- Introduction of Skill Development Courses.
- Introduction of structured co-curricular and extra-curricular activities.
- Introduction of courses on life skills.
- Introduction of courses to promote entrepreneurial skills.

## **1.2 Revision of examination regulations & procedures:**

- More emphasis on continuous learning and assessment.
- Introduction of Bloom's Taxonomy in learning and assessment.
- Examination reforms.
- Early declaration of results on completion of exams.

## **1.3 Introduction of best practices:**

- Improving course delivery to meet learning and assessment levels of Bloom's Taxonomy.
- Implementation of Outcome Based Education (OBE).
- Introduction of Full Semester Internship.

## **1.4 MoUs with industries and research institutions for:**

- Consultancy.
- Research.
- Faculty training.

## **1.5 Self and Collaborative Learning Initiatives:**

- Online certification courses.
- In-house internships.
- Peer Group Learning.



**Strategy#2 : To be a choice for good quality students and competent faculty.**

**TASKS :**

**Students :**

2.1 Introduction of academic scholarships for best performers from 1<sup>st</sup> year onwards.

2.2 Introduction of cash incentives for best GATE scores.

2.3 Increasing the "Branding":

- Informative Brochure.
- Establishment of "Media Cell".

**Faculty :**

2.4 "Awards" to faculty for overall contribution.

2.5 Recruitment of competent faculty from institutions of repute.

**Other Stakeholders :**

2.6 Setting up of IQAC to review & monitor activities of the campus.

2.7 Obtaining NAAC accreditation.

2.8 Obtaining NBA re-accreditation.

**Strategy#3: To produce technically competent and ethically strong graduates.**

**TASKS :**

- 3.1 Strengthening of Professional societies and club activities.
- 3.2 Introduction of Skill Development Courses from 2<sup>nd</sup> year onwards.
- 3.3 Introduction of courses on life skills.
- 3.4 Introduction of structured co-curricular and extra-curricular activities.
- 3.5 Encourage students to participate in Games, Sports and cultural activities.
- 3.6 Introduction of courses to promote entrepreneurial skills.
- 3.7 Introduction of Technical Skills training during 3<sup>rd</sup> year.
- 3.8 Introduction of online courses.
- 3.9 Introduction of "Student Portfolio" and "ELITE" score cards.
- 3.10 Introduction of industry oriented Add-on courses.
- 3.11 Encourage participation of students in voluntary and extension activities.

**Strategy#4: To encourage Research & Consultancy.**

**TASKS :**

- 4.1 Constitution of Research Advisory Board with external resource persons.
- 4.2 Monitoring the progress of the faculty pursuing Doctoral programme.
- 4.3 Training programmes on writing research papers.
- 4.4 Awareness programmes on funding agencies.
- 4.5 Training programmes on writing proposals.
- 4.6 Encourage faculty to publish papers.
- 4.7 Encourage faculty with Ph.D to submit project proposals for funding.
- 4.8 Financial support for research publications.
- 4.9 Establish Centres of Excellence with industry collaboration.
- 4.10 Accelerating the research@ Research Groups.

**Strategy#5: To develop a smart campus.**

**TASKS :**

5.1 Comprehensive ERP System.

5.2 Provision of Wi-Fi Hotspots.

5.3 Desktop facility for faculty.

5.4 Introduction of Bio-Metric Attendance for staff.

5.5 Establishment of Campus Surveillance System.

5.6 Introduction of Energy conservation systems.