



ESTD: 1917

University College of Engineering (AUTONOMOUS)

OSMANIA UNIVERSITY, HYDERABAD - 500 007



ESTD: 1929

Report of SWOT Analysis

The Process

The present Institutional Development Plan (IDP) of the College was thoroughly discussed and reviewed and accepted the SWOT analysis.

STRENGTHS

1. Highly acclaimed academic institute with excellent track record of 97 years and excellent ambience in a sprawling 100 acres of land
2. First autonomous college in the state with established procedures and processes for quality assurance and facilitating Industry focussed co-teaching, Internships, Minor/Honour programs etc.
3. Qualified, committed and motivated faculty members with more than 90% doctorates.
4. Well established library with remote access facility to e-journals (ONOS), e-textbook and e-learning resources.
5. Best student input- top 1% of 3 lakhs students, opting for this college.
6. Good campus placement record with more than 75 more then percent of students placed every year continuously for the past one decade.
7. Excellent infrastructure with Campus-Wide-Networking (CWN) and wi-fi connectivity to the hostels.
8. Strong Alumni occupying Key positions in reputed industry, R&D houses and academic institutions across the globe.
9. Fully residential campus having accommodation for faculty, staff and students.
10. Increased availability of resources from advanced research labs and remote access facility of Industry standard CAD Tools.
11. Memoranda of Understanding (MOUs)/MoAs with industry, R&D Centers and highly acclaimed academic institutions of repute to provide Industry Internships, Research Projects.
12. Centre for English Language Training (CELT) rendering services to students rural background and the community at large.
13. Prestigious Viswesaraya PhD scheme and QIP Center
14. e-Office
15. Faculty incentive for APC, Patent filing and textbook authoring

WEAKNESSES

1. Inadequate Infrastructure to accommodate the demands and requirements of the students, as more number of rural students are admitted.
2. Maintenance of Buildings
3. Lack of fellowships and scholarships to attract regular research scholars and Non-GATE students to promote research environment.
4. R&D Seed money
5. Low key marketing strategies to build brand image.
6. Contractual employees working for more than 20 years.


PRINCIPAL

OPPORTUNITIES

1. Availability of industry base in Hyderabad - scope for collaboration in respect of staff exchange, student internships, joint consultancy and projects.
2. Introduction of Industry sponsored Certificate Programs, Minor, Honors Programs, One Year Integrated course, dual-degree programmes to encourage PG education.
3. Improving quality of instruction by supplementing with e-learning.
4. Institutionalizing services to community by making use of technology.
5. Transforming research & development into patentable product and Product Development.
6. Utilizing strong alumni network in Institution building
7. Attracting CSR funds
8. Availability of abundant space for vertical and horizontal expansions to meet the infrastructure demands.

THREATS

1. Competition with the vast number of new Universities/Colleges coming up.
2. Non-availability of staff to its full strength resulting in difficulty in maintaining standards and sustaining certain programmes

Strategic Plan

S. No.	Goal	Strategies
1.	Academic Excellence	• Upskilling Programs • Short Term Certificate Programs • Minor/Honours Programs • PG Diploma Programs • Integrated PG Programs • UG Programs • Industry focussed curriculum • Modernization of Labs • Establishing Advanced Labs
1.	Strengthening the Research and Innovation	• Establishment of Institute-Innovation Hub ○ CoEs ○ Skill Development Cell ○ Incubation Cell • Research Organisations and Industry Collaboration ○ MoU/MoA ○ Joint Academic Activities ○ Joint supervising BE, ME and PhD scholars ○ Joint Publications ○ Joint Patents ○ Technology Transfers and Product Development ○ Special PG/PhD Programs
2.	Infrastructure Development	• Construction of New Hostels • Vertical Expansions of Existing Hostels • Vertical Expansion of Department Buildings • Renovation of Iconic Main Building • Renovation of Department Buildings • Career Guidance Cell
3.	Manpower Development	• Faculty Recruitment • Chair Professor, PoP Appointment • Lab Staff

4.	Faculty Centric Policies	• R&D Seed money • Industry Training • Improve the quality of instruction by pedagogy training and using Learning Resources • Offer incentives to the faculty for taking up consultancy • Performance oriented Incentives
5.	Student Centric Policies	• Career Guidance Cell • Mental Wellness Cell • Remedial Classes • Fellowships


 PRINCIPAL
 University Group of Engineering
 Osmania University, Hyderabad
 TELANGANA STATE - 500007.