



PERSPECTIVE PLANNING

**SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)**

Sree Sainath Nagar, Tirupati – 517 102.

Objective-1: Establish as a premiere Technical University

- Strategy-1:** Study of evolving trends in higher education in general and Engineering Education in specific to create niche process and programs
- Strategy-2:** Preparation of Detailed Project Report (DPR)/Action Plan/Strategic Vision Plan and Implementation Plan
- Strategy-3:** Generate Corpus Fund and other Operational Funds for effective implementation
- Strategy-4:** Start cutting edge and demand-driven post graduate and doctoral programs
- Strategy-5:** Recruit faculty of expertise for teaching, training and research
- Strategy-5:** Promote multi-disciplinary academic culture among students with flexible systems
- Strategy-6:** Obtain accreditation for quality by national and international agencies and organizations
- Strategy-7:** Expand interaction with industry and community through partnerships and Memoranda of Understanding
- Strategy-8:** Enhance Local, Regional and National outreach.
- Strategy-9:** Emphasize on intellectual leadership, transparency, values and accountability.
- Process:** Institutional preparation for applying to Deemed University status shall be through brainstorming at all academic and administrative levels, interaction with peers and review of proposal from experts
- Outcome:** A Degree Granting University with the purpose of contributing to national development delivering quality outcomes in teaching, learning and research shall be set-up in backward region of Rayalaseema of India.



Objective # 1

Establish as a premiere
Technical University

Process:

Institutional preparation for applying to Deemed University status shall be through brainstorming at all academic and administrative levels, interaction with peers and review of proposal from experts

Outcome:

A Degree Granting University with the purpose of contributing to national development delivering quality outcomes in teaching, learning and research shall be set-up in backward region of Rayalaseema of India



Objective-2: Starting a National Vocational Training Center

Strategy-1: Overview of Industry and trades associated

Strategy-2: Market study and Cost Benefit Analysis

Strategy-3: Preparing a Holistic business plan

Strategy-4: Generating financial resources for setting-up

Strategy-5: Formulation of contemporary curriculum

Strategy-6: Creating modern learning and computing resources

Strategy-7: Establishing laboratories and workshops for training in trades offered

Strategy-8: Offering demand driven trades and vocational training

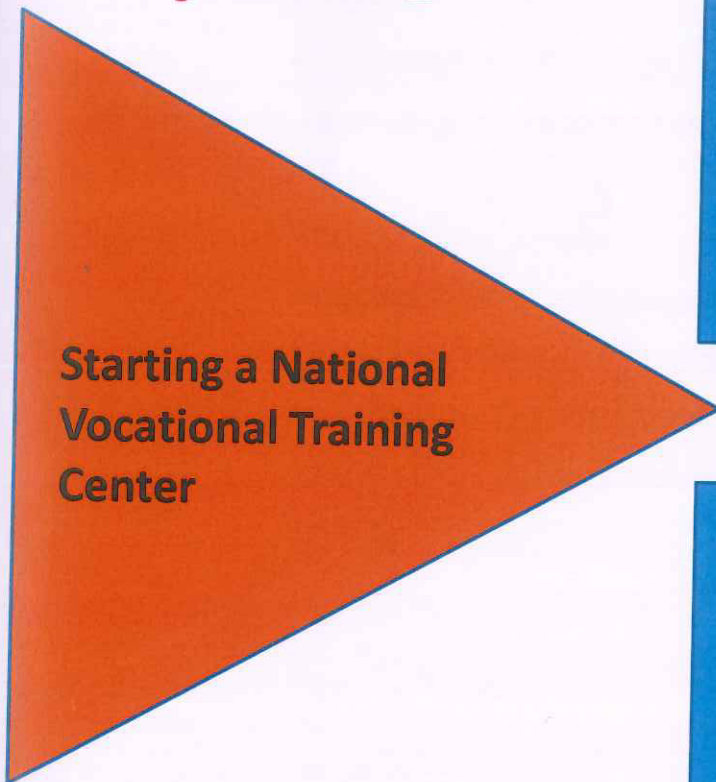
Strategy-9: Creating a network of industry partners and advisors for student training and placements

Process: Thorough market study on demand of vocational courses, creating infrastructure for it and partnering with industry for training and placements

Outcome: The Institution shall produce the skilled manpower to meet the regional and national demands



Objective # 2



Process:

Thorough market study on demand of vocational courses, creating infrastructure for it and partnering with industry for training and placements

Outcome:

The Institution shall produce the skilled manpower to meet the regional and national demands



Objective-3: International accreditation by ABET

Strategy-1: Conducting the Readiness Review

Strategy-2: Submitting the Request for Evaluation

Strategy-3: Complete and submit the Self-Study Report with the following important items

- Purpose (Mission Statement) & Set Goals (Timeline)
- Program Educational Objectives & Student Outcomes
- Design & Conduct Assessments
- Assessment Findings

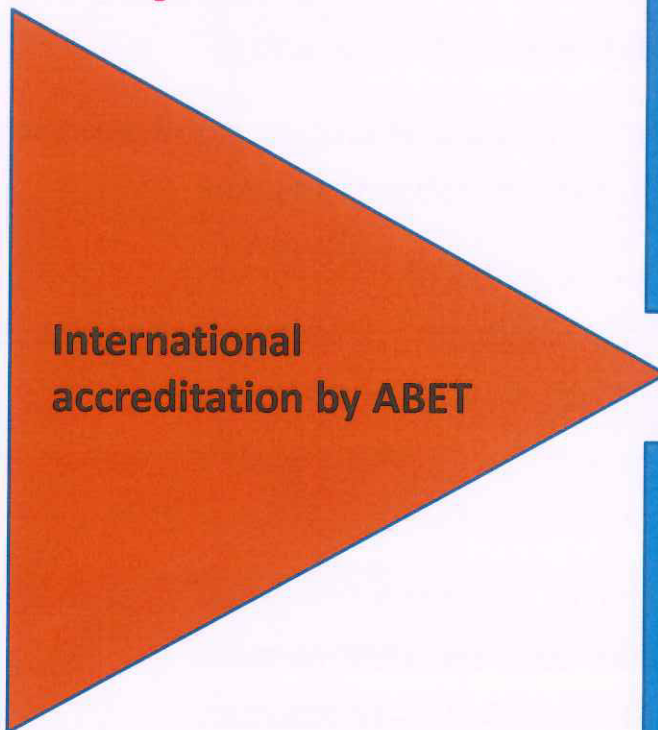
Strategy-4: Institutional preparedness for on-site visit

Process: Institutional preparation through brainstorming at all academic and administrative levels, interaction with peers and review of proposal from experts

Outcome: Continuous Quality Improvement (CQI) and value of brand for stakeholder academic and research endeavors



Objective # 3



Process:

Institutional preparation through brainstorming at all academic and administrative levels, interaction with peers and review of proposal from experts

Outcome:

Continuous Quality Improvement (CQI) and value of brand for stakeholder academic and research endeavors



Objective-4: Infrastructure development for future development

Strategy-1: Developing laboratories with high end equipment and software for faculty and student research

Strategy-2: Establishing industry sponsored labs especially in trending areas of Technology for student and faculty research and consultancy

Strategy-3: Starting tinkering labs for student innovation

Strategy-4: Setting-up Center for Incubation and Entrepreneurship to promote faculty and student start-ups

Strategy-5: Developing Media Centre for creating digital content of lectures to offer courses through MOOCs created by the faculty

Strategy-6: Developing Studios for hosting national and international events such as TED and endowment lecture series

Process: Consulting experts in Architecture and Construction for ergonomically designed modern infrastructure to meet instructional, training, research and innovation, consultancy needs.

Outcome: Ambient modern infrastructure for bettering student learning outcomes and quality of other institutional outcomes.



Objective # 4



Process:

Consulting experts in Architecture and Construction for ergonomically designed modern infrastructure to meet instructional, training, research and innovation, consultancy needs

Outcome:

Ambient modern infrastructure for bettering student learning outcomes and quality of other institutional outcomes



Objective-5: Fully flexible credit system

Bringing academic reforms through regulations to give maximum flexibility to students giving

Strategy-1: Providing Choice selection of

- Courses in each semester
- Timings / time slots in the selection of courses
- selection of number of courses per semester
- Timetable and Academic Plan

Strategy-2: Curriculum with balance of courses from engineering, science, humanities and management courses for attaining all graduate attributes

Strategy-3: Large offerings of inter-disciplinary courses

Strategy-4: Helping slow learners to perform better by offering common core courses in all semesters

Strategy-5: Opportunity for research at undergraduate level leaning to lot of experiential learning

Strategy-6: Provision for Major / Minor / Honors degree

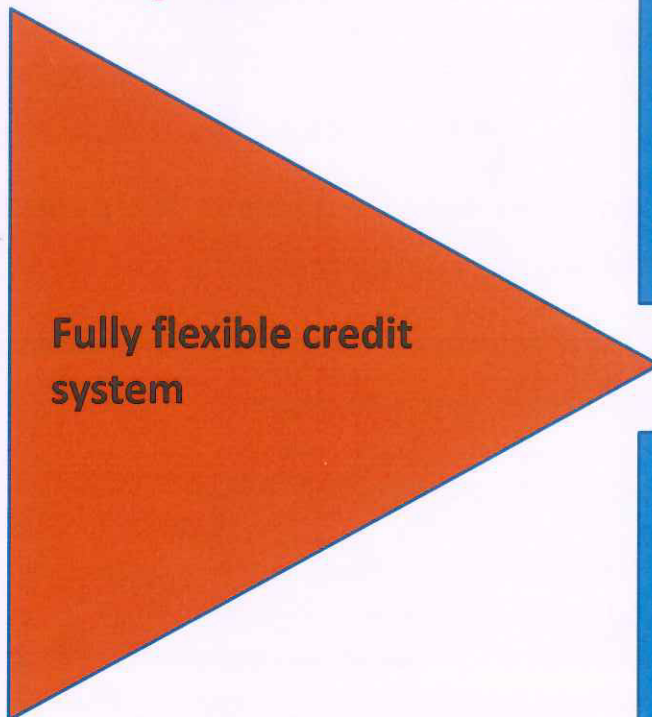
Strategy-7: Opportunity for selecting the branch at the end of first year of B. Tech

Process: Institutional preparation through brainstorming at all academic and administrative levels, interaction with peers and review of proposal from experts

Outcome: Successful engineers are produced meeting all the program educational objectives



Objective # 5



Process:

Institutional preparation through brainstorming at all academic and administrative levels, interaction with peers and review of proposal from experts

Outcome:

Successful engineers are produced meeting all the program educational objectives



Objective-6: Creating Centers of Excellence in research

Strategy-1: Recruiting teachers with experience from Industry and national Institutes/research centers with established success in research

Strategy-2: Creating inter-disciplinary research groups for prospective applied research

Strategy-3: Equipping laboratories with relevant modern equipment, software and library resources to suit advanced needs of research.

Strategy-4: Forging alliances with prominent research groups for collaborative work

Strategy-5: Seeking external research funding from private and public agencies in focused frontier areas

Strategy-6: Inviting professionals from industry as adjunct faculty to undertake and mentor research

Process: Agile recruitment methods, networking with industry and pioneering institutions and creating the culture of research and innovation through engagement and infrastructure

Outcomes: New knowledge, Intellectual Property Rights (IPR), collaborations, external funding and internal revenue generation (IRG)



Objective # 6



**Creating Centers of
Excellence in research**

Process:

Agile recruitment methods, networking with industry and pioneering institutions and creating the culture of research and innovation through engagement and infrastructure

Outcome:

New knowledge, Intellectual Property Rights (IPR), collaborations, external funding and internal revenue generation (IRG)



Objective-7: Collaborations for faculty and student development

Strategy-1: Interacting with foreign universities/National premiere institutions for curriculum development and implementation

Strategy-2: Memoranda of understanding with foreign universities/National premiere institutions for faculty and student development

Strategy-3: Collaborating with foreign universities/National premiere institutions in research and development activities

Strategy-4: Starting Joint Educational Programs with foreign universities/National premiere institutions and Industry

Strategy-5: Tie-up with industry for setting-up of advanced laboratories on campus

Process: Networking with foreign universities/National premiere institutions and industry, market study of programs and courses

Outcome: International experience to students and faculty, industry readiness and multidisciplinary and multicultural ecosystem



Objective # 7



Process:

Networking with international institutions and industry, market study of programs and courses

Outcome:

International experience to students and faculty, industry readiness and multidisciplinary and multicultural ecosystem



Objective-8: Institutional social responsibility for community development

Strategy-1: Utilizing the extension units of the College to organize literacy, sanitation, digital fundamentals, health, and environment awareness activities for transforming rural hamlets into smart villages

Strategy-2: Starting student and Faculty voluntary units for community support and development activities

Strategy-3: Adopting neighborhood villages to support and enhance their socio, economic, education, cultural and political aptitude

Strategy-4: Creating basic facilities in the College neighborhood for the benefit of the general public

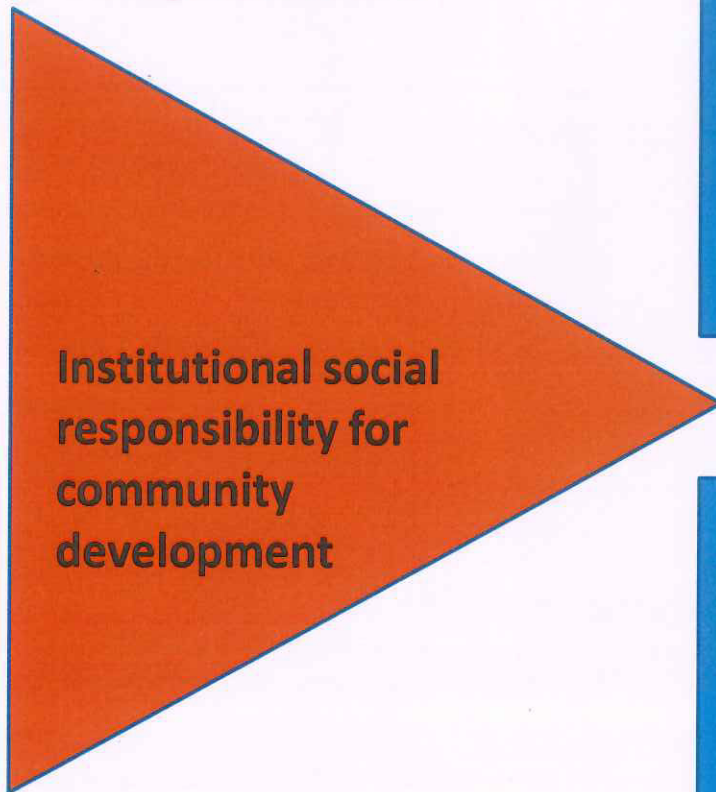
Strategy-5: Creating simple technology tools and apps for the benefit of rural community

Process: Motivating teacher and student volunteer ship; statutory permission from local authorities; problem identification from society; solving for utility

Outcome: Community development and achievement of all 12 student program outcomes



Objective # 8



Process:

Motivating teacher and student volunteer ship; statutory permission from local authorities; problem identification from society; solving for utility

Outcome:

Community development and achievement of all 12 student program outcomes



Tentative Timelines

Sl. No.	Objective	2021-24	2024-27	2027-30	2030-33
1.	Establish as a Premiere Technical University				
2.	Starting a National Vocational Training Center				
3.	International Accreditation by ABET				
4.	Infrastructure Development for Future Development				
5.	Fully Flexible Credit System				
6.	Creating Centers of Excellence in Research				
7.	Collaborations for Faculty and Student Development				
8.	Institutional Social Responsibility for Community Development				



P. Chalapathi

PRINCIPAL
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
 Sree Sainath Nagar, A. RANGAMPET
 Chittoor (Dist.) - 517 102, A.P., INDIA.