

SPHOORTHY ENGINEERING COLLEGE

STRATEGIC PLAN

(2015-2020)

Introduction:-

VISION

To create a unique identity in the field of education in engineering and technology driven by human values.

MISSION

To impart cutting edge technologies through state-of-art infrastructure with a human touch.

OBJECTIVES:

- *Impart futuristic and comprehensive higher education of global standards with a high sense of discipline and social relevance in a serene and invigorating environment.*
- *Offer world-class undergraduate, postgraduate and doctoral programs of global relevance.*
- *Provide an enriching, stimulating and rewarding experience from the practical world.*
- *Promote and strengthen national and international linkages with the industry, academics and the society.*
- *Carry out Research & Development activities useful to the industry and the society.*
- *Develop a holistic personality with a positive and creative attitude among students and scholars.*

Quality Policy:

“To provide Quality Education to the Students to excel in the fields of Engineering and Management to cater to the ever Challenging needs of Humanity at Large”

Core Values:

- **Truth**
- **Quality**
- **Excellence**

Strategic Plan:

Strategic Plan 2015–2020 identifies the following broad targets:

- Become a Leading Institution in the State of Telangana
- Accredited by Recognized Bodies viz. NBA, NAAC, ISO etc.
- To acquire Autonomous Status from UGC.
- Built Superior and State of art Infrastructure to facilitate Teaching, Learning and Research
- To encourage Quality Publications from Faculty and Students
- To encourage Students to participate in National and International Competitions
- To practice Outcome Based Education as a part of Teaching Learning Culture
- Become as a recognized Centre for Education and Research
- Earn the recognition among students and faculty members as ‘Happening Campus’
- Creator of New and Innovative Technologies for Industrial and National Needs.
- Become globally known for transformational technologies that impact lives of the people
- Incubate successful startups creating innovative products and business models
- Provide an invigorating work environment for faculty and staff, where merit and hard work are recognized and rewarded
- Create a Sustainable Campus via usage of energy, water and recycling of materials
- Establish Associations / Tie-ups with various Organizations / Industries
- Intensify the involvement of alumni in various aspects
- To Nurture Academic Leadership
- To empower Faculty in Teaching / Engineering Competencies
- Improve the Governmental and Non-Governmental Funding for Research and Allied Activities
- To encouragement Innovation and Entrepreneurship Culture in the Campus
- Become a Centre of Consultancy Services by Empowering Faculty members
- Create Collaborations with various Institutions for Student and Faculty Exchange
- Apply and Procure Patents of Innovative Relevance

Plan of action in 2014-15 and its achievement in 2015-16

Plan of Action	Achievements
Usage of IT Resources for Curriculum flexibility	<p>Various IT resources like Webinars (in association with IUCEE), NPTEL, Vidya Portal, GEMS (Globarena E-Mentoring Systems) are widely used by Faculty members and Students for Curriculum Flexibility</p>
Introduction of Online Feedback Mechanism	<p>Online Feedback mechanism was introduced to take feedback about Teaching</p> <p>Online feedback system was developed for taking feedback from Alumni through College Website</p> <p>A provision of Suggestions / Complaints blog was created in the Website for accessibility to the shareholders.</p> <p>All the feedbacks are assessed and evaluated from time to time</p>
Development of Mechanism for Slow Learners and Advanced Learners	<p>The slow learners and advanced learners are identified on the basis of Marks scored during Internal Examinations.</p> <p>The mentors organize Tutorial and Remedial Classes to Slow learners with the help of faculty members, Senior Students and Advanced Learners.</p> <p>The advanced learners are identified on the basis of performance in Internal and External Examinations and they are encouraged to participate in various technical</p>

	Symposiums, Technical Training Programmes, Workshops, Presentation of Paper in Seminars and Conferences.
Improvement of Laboratory Facilities	All the Laboratories are equipped with Latest Software. All the CRT Monitors are replaced with LCD Monitors.
Increase in the number of Doctorates in the College	The total number of Doctorates has been increased to 19 during Academic Year 2015-16.
Design of Course Outcomes / Objectives	All the faculty members are maintaining Course Files which includes Course Objectives, Course Outcomes, Pedagogy to be adopted, Lesson Plan, Question Bank etc.,
Mechanism for Student Mentoring	The Institution has developed a Mentoring Register and five students are allotted to each faculty member. The Mentor makes a record of Students' academic Progress, Behaviour, Attendance etc.
Registration of Alumni Association	The Alumni Association of the College has been Registered with No.239 of 2015 by The Registrar of Societies, Ranga Reddy District on 24/2/2015.

Plans for 2016-17

- The College has applied for NBA Accreditation and planning to get Accredited during the Academic Year 2016-17
- Developing a Feedback System for all the Stakeholders
- Involvement of Stakeholders to augment the Institutional Growth
- Motivation of faculty members towards Academic Excellence
- Improvement of Pass Performance of the Students
- Introducing the schemes for Promotion and support for research
- Applying for Research funding from External Sources
- Applying to University to recognise the College / Department as a Research Centre
- Undertake Consultancy activities
- Internal Provision of Scholarships for Meritorious Students
- Providing Support for academically weak students
- Improvement of Placement Performance
- Introducing the Schemes for Professional Development
- Increase the number of Activities by IQAC
- Promoting the Entrepreneurship Development Activities and improvement of Incubation Facilities

Plan of Action during 2015-16 and its achievement in 2016-17

Plan of Action	Achievements
Applying for NBA Accreditation	The College has submitted Pre-Qualifier for NBA Accreditation and it has been accepted. The preparation of Self- Assessment Reports for Departments of CSE, ECE, Civil and Mechanical Engineering are in process
Developing a Feedback System for all the Stakeholders	<p>The IQAC has designed the feedbacks for the following</p> <ul style="list-style-type: none"> • Student feedback • Alumni feedback • Parents feedback • Employers Feedback • Graduating Student Exit Feedback • First Year Students Feedback (for PO Attainment) • Project Feedback • Course Feedback • Faculty Feedback on PO Attainment
Involvement of Stakeholders to augment the Institutional Growth	<p>The Stakeholders viz Alumni and Students are a part of Academic Committee and many other Committees</p> <p>Industrial Advisory Committee has been Constituted for Industry Institute Interaction</p>
Motivation of Faculty Members towards Academic Excellence	The College developed a Performance Based Appraisal System wherein the Faculty Members need to Published Minimum of 2 Research Papers in Reputed Journals; Present minimum of 2 Papers in National or International

	<p>Conferences and participate in minimum of 2 Workshops or FDPs in a Year (for consideration of PBAS)</p> <p>The College sponsoring the Faculty Members for participating in FDPS or Workshops and arranging Training Programmes for Professional Growth</p>
Improvement in Pass Percentage of the Students	All the faculty members are adopting Innovative Teaching Methodologies and conduction Tutorials or Remedial Classes for Slow Learners and Average Performers
Introducing the schemes for Promotion and Support for Research	<p>The Innovative Projects of Students are awarded with Rs.10,000 (I Prize) and Rs.5,000 (II Prize) and the faculty guiding such projects are also awarded with Rs.25,000 (I Prize) and Rs.15,000 (II Prize)</p> <p>The College is sponsoring the faculty members and students for participation in Project Expos, Hackathons etc.,</p>
Applying for Research Funding from External Sources	<p>The Centre for Excellence and R&D Department has applied for many DST Funds and the following Funds are successfully Obtained / Granted</p> <ol style="list-style-type: none"> 1. The College obtained NEWGEN IEDC Project of Rs. 2.87 Crores by DST, Government of India for setting up Innovation and Entrepreneurship Development Centre to develop innovative projects 2. The college obtained DST fund of Rs.1,25,000 for organizing a two day national conference on climate change and adoption by Science and Engineering Research Board 3. The College also obtained ISRO Fund for organizing 3 Days National Conference on Wireless and Satellite Communications for an Amount of Rs.50,000

	<p>4. The Entrepreneurship Development Cell obtained Rs.20,000 fund from EDII Ahmedabad, for organizing Entrepreneurship Awareness Camp</p> <p>5. The College also obtained AICTE – PMKVY fund of Rs.3,50,000 for organizing Special Training Programmes</p>
Providing Support for academically Weak Students	The students are classified into Advanced Learners, Slow Learners and Average Performers and special care and counselling is taking place by the faculty members for slow learners
Improvement in Placement Performance	<p>There is an increase in the number of pre-placement activities in association with TASK and the students are encouraged to write AMCAT, e-litmus exams etc. for better placements</p> <p>The Students undergone Internships in various Organizations.</p>
Increase in the number of activities by IQAC	The IQAC is continuously organizing meetings with stakeholders and involved in various policy making and implementation for holistic development of the Institution
Promoting Entrepreneurship Development Activities and Improvement of Incubation Facilities	<p>The Entrepreneurship Development Activities has been organized in association with Palle Srujana, NEN, NEDC, ISBA etc.,</p> <p>The College is an Associate Member of ISBA</p>

Plans for the Year 2017-18:

- The Departments of CSE, ECE, Civil and Mechanical Engineering has applied for NBA and Pre-Qualifier has been Accepted and the SAR to be submitted before December, 2017.
- The College is planning to Apply for Autonomous Status to UGC during 2017-18
- Encouragement towards Innovations and Innovative Projects (as the NEWGEN IEDC has been granted by DST, GOI)
- Encouragement to faculty members and students for registering and completing Online Courses through SWAYAM, NPTEL, etc.
- Introduction of Variable Pay System to accelerate the Performance of Faculty Members and appreciate the Performance of the Faculty Members every month.
- To fill the curriculum gaps and to make the students employable and Industry Ready, planning of Value Added Courses has been made.
- To encourage students to participate in International Competitions.
- To introduce an Incentive System and to encourage faculty members to publish papers in Quality Publications.
- To organize a Comprehensive Induction Program for I Year Students.
- To make Internships mandatory for all the students of the Campus.
- To associate with various Professional Organizations / Industries to organize Seminars / FDPs etc.