

## Describe at least two institutional best practices

### Practice-I

- **Title: Practice of “STUDENT DIRECTED LEARNING” pedagogy to focus on helping students to develop the knowledge, skills and persona.**

**Objective:** The specific objective of “STUDENT DIRECTED LEARNING” approach is to help the students to

- Become more autonomous, self-regulating, psychologically empowered and self-realizing and self-determined.
- To modify and regulate their own behavior.
- Improve reasonable and reflective thinking.
- To augment learning through curricular, co-curricular and extra-curricular activities.

**Context:** The most important strategies implemented on student-centered learning are-

The academic process-delivery within Curriculum for Excellence, assessment is used to support individual learning.

Various efforts such as “Positive Interdependence”, Individual Accountability, Face-To-Face Promotive Interaction, Social Skills, and Group Processing are made to focus on specific learning outcomes for all the courses.

A product development undergraduate course is based on a Project-based learning (PBL) perspective.

Additional Resources for Research Experimental Learning, Information and Communications Technology (ICT) help the students to participate in learning-what they need to know and develop.

“Vision of Teaching and learning”, students’ preferences, learning strategies, interests and expectations are taken into account whilst planning the teaching actions. In the student centric learning, the faculty role changes from “sage on the stage” to “guide on the side.” This practice contributes to a successful change in students’ attitude and decision making.

**The Practice:** SIET facilitates the effective operation of the student-centric learning programmes. Both formal and informal forms of instructional methods are carried out to channelize this learning. The methods are designed in such a way that it covers



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three significant components; **ACADEMICS, PERSONALITY DEVELOPMENT AND SKILLS EMPOWERMENT.**

**ACADEMICS:** SIET has a well-conceived plan that provides academic flexibility. Students actively participate in group discussions, brain storming sessions, role plays, games, case study etc. Peer teaching, hands on lab activities, Computer based activities, Personal mentorship, Guest lecturers are arranged for boosting their professional poise. Students attend and present papers in seminars, project and carry out surveys.

**PERSONALITY DEVELOPMENT:** SIET gives importance to multi-dimensional programmes for students' personal progress. Personality development initiatives focus on physical, intellectual, social, psychological and spiritual characteristics of students. Programmes such as Art of living , Stree Shakti Diwas, NSS Mega Gandhian Youth Conclave, Folk Art Festival, State Level Orientation on Heartfulness Meditation, Awareness on Domestic violence and Property rights, National Integration Camp, LEAD India and other important events were organized. CRT programmes are conducted to enhance students' etiquettes, imbibe oneself with positivity, liveliness and peace.

**SKILLS EMPOWERMENT:** SIET sets platform to seek & augment the competence and skills of learners. The course and sessions such as CCNA, Career Guidance Session, Business English Certification, Overseas Education & Career Guidance, Sales Force, Tech Fest, Under25-SUMMIT, Entrepreneur Talk @ Sreyas, ISHRAE-Tech Talk, Fit India Movement. Robotics, CISCO, NPTEL, TED EX, MUN, IDEATHON clubs have been initiated.

**EVIDENCE OF SUCCESS:** This approach justifies the basis for Outcome-Based Education (OBE). Sreyans are holistic achievers now, a few achievements and accolades are listed below.

- Mr.D.Sri Sai Satyanarayana has presented a paper at University of Bahrain; he also got opportunity for an internship at NASA in 2020.
- Mr. Sreyas Reddy won the best Student Entrepreneur Award-2019 by STUMAGZ.
- Sreyans are among the final 15 teams who got registered in **SIH** Smart India Hackathon-2019].
- Mr.Sumedh Reddy Koppula has been awarded a Gold Medal from JNTUH for the Best Student Award-2018.
- Mr.B.Nikhil Kumar proud Alumni of Mechanical Department is currently working as a Scientist/Engineer at Satish Dhawan Space Centre @ ISRO, Sriharikota, and AP.



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- With the implementation of all the best practices the Mechanical students have bagged best sponsored projects from ISHRAE for (Display Water, Static UPS System, Spot Cooling System, and Solar Refrigerator).
- CRT programmes backed 1200+ students for Placements till date.
- Indira Gandhi National Award-2019 is the successful evidence of NSS diligent and strenuous efforts put forth by NSS volunteers.

## Practice-II

**Title:** “SREYANS FOR SAMAJ SHREYAS”- “ENGINEERS WITH SOCIETAL RESPONSIBILITY”

**Objectives:** Engineering is one of the key influences that shape our society. This means that engineers have a responsibility and also a great opportunity to have a positive influence in society.

The main objective is to make our students the best citizens of the society as drafted in the college mission- to inculcate holistic approach towards nature, society and human ethics with lifelong learning attitude.

### Context:

SIET encourages students to develop the sense of inclusiveness toward their social responsibilities as engineers. In order to achieve this, SIET encourages students to solve human, environmental, societal and cultural challenges.

### The Practice:

SIET has deployed many practices to enhance Societal Empowerment among our students through various activities.

**“SHE” Programmes:** Women Empowerment & Anti-sexual Harassment Committee of the college besides addressing the problems associated with the girl students; organize various activities for safe-guarding SHE issues. The sole objective is to spread the awareness about the need to respect women as fellow members of the society and extend help in providing safety and security with engineering solution to cater to the needs of women.

**Value Added Programmes:** Our institute hosts events like **MUN**, **TEDx**, which help the students to get global exposure and be the better speakers of the soc



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global concerned issues. These events had witnessed participants across different states which resulted positive calls of participation and showcased consensus on burning topics of the planet.

**Programmes Promoting Ethical Values:** The students are motivated and are guided to participate in various NSS activities to improve their professional societal skills. The activities encouraged them to adopt nearby villages and deal with health related problems, cleanliness, Go Green, Lead India, Gandhi Darshan, Gandhi Padha Yatra, District Level Awareness Session on Role of Students in Strengthening Democracy and Ethical Voting, right to vote, Youth for Nation Building, Awareness on Domestic Violence and Property Rights and other constitutional franchise of women.

**National Women's Parliament:** The girl students of SIET actively participated in united AP hosted mock assembly session 'Empowering Women — Strengthening Democracy', in the state capital region Amaravati, 2017. The "NARI-BERI"-conclave at Ramoji Film Studios, boosted the girl students to voice out their ideas and advocated them to be a responsible democrat.

**Plantation Programme:** SIET, as a part of GOI- Swachh Bharat -Swastha Bharat and Govt of TS Haritha Haram programs in front line.

**Unnat Bharat Abhiyan:** Sreyas has fulfilled the objective of Unnat Bharat Abhiyan by providing student resource support from institutes by adopting a village by organizing a camp to spread awareness on personal hygiene & harm caused by usage of plastic, advantages of percolation tanks, importance of cleanliness, tutoring students, students spent every ounce of their energy in SHRAMDAAN - joined hands in road repair assisting GHMC workers for the whole week.

**Blood Donation Camp:** Faculty as well as students generously participated in blood donation camps organized by the college from time to time. It is organized by NSS Committee.



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### **Evidence of Success:**

**Indira Gandhi National NSS Award:** It is our privilege and honor to our institute to receive the “**Indira Gandhi National Award**” hosted by Govt. of India for only 16 colleges country wide, among the 20,000 colleges participated for this award competition with various matrices of performance appraisal of NSS and other allied services of society and nation with global perception. The award given and felicitated by His Excellency Honorable President of India Mr. Ramnath Kovind to our beloved Principal Dr. Suresh Akella and Program Officer Mrs. Sheetal Reddy on 24th of September 2019 (for the title of performance evaluated year 2017-18) in Ashoka Hall of Rashtrapati Bhavan in New Delhi in the presence of our honorable prime minister of India and our most respected the council of ministers of Government of India and other dignitaries of the nation in a mammoth ceremony of glittering function and honored with the cash prize of Rs. One Lakh and a Silver Medal. The more details of this award are kept in our institute website. This award is the testimony of our young engineers’ perspective incubation of NSS and other allied societal services. The endeavor and efforts of management, Principal, faculty, students and volunteers of the rural villages public in a team work achieved this highest mile stone recognizing our institute as a global leader with technical competence as well as holistic and excellent behavioral attitude to mould the students batch to batch as a best practice adopted at institute level as a mission element augmarking standards and wisdom.

### **NSS Republic Day Parade**

It is a privilege for us to get a chance to go to New Delhi and be a part of the Republic Day celebrations on 26<sup>th</sup> January, 2017. Miss. Manaswani, an ECE student and NSS Volunteer participated in Ceremonial Republic Parade and saluting the dignitaries of the day, including 13<sup>th</sup> President of India, Shri. Pranab Mukherjee

**CONCLUSION:** *As it is rightly said,* “The best feeling of happiness is knowing you’re the reason of others’ smile.” **SREYAS** spirit is to be considerate and develop in students’ **COMPASSION**- it’s our social responsibility.