7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

Scient Institute of Technology's (SNTI) Vision, priority, and thrust are focused on:

> **Providing Value based education to excel in academics.**
>
> **Conducting Interdisciplinary research in cutting-edge technologies.**
>
> **Producing socially responsible engineers, managers, entrepreneurs leading to the sustainable socio-economic development of the nation.**

Dedicated to serving the society, SCIENT with its environment of innovation pledges to reinvent itself from time to time and has an integrated model for all its activities of teaching, research, innovation and extension activities. The distinctiveness of the institution lies in its philosophy "Education **Process Re- engineering (EPR)/ SCIENT Spectral Pyramid** ".

The Education Process Re-engineering (EPR)/ SCIENT Spectral Pyramid Model is widely disseminated by five critical faces in the Organization to develop the structure under critical success factors and sub functions. The five faces are:

1. **Excellence in Academics**
2. **Exploration of Knowledge through Research**
3. **Excitement of Innovation & Entrepreneurship**
4. **Exponent for Development of a Rounded Personality with Global Vision**
5. **Designing the projects for Societal Empowerment**

1) Excellence in Academics:

A high quality of academic excellence can provide value-added experience for the students. The positive outcomes are achieved by designing the curriculum to meet the global requirements and through teaching- learning methods blended with ethical values. It outlines the commitment to academic performance expected of all students. The structured induction of the student into the curriculum enables to visualize the career opportunities and the approach towards achieving them.

PRESENTING ACADEMIC EXCELLENCY AWARDS
BY
Dr. SYED KHAJHA MOUINDDIN   PRINCIPAL

AWARDS FOR BEST PROJECTS

2) Exploration of Knowledge through Research:

The Institute's determination to be transformed into a center for major research is therefore, in itself, a commitment to offer high quality teaching through.

➢ Synergies between Research & Education

➢ Activities Research Based Learning & Teaching

The Course based projects, Social impact projects, certificate courses offered by the institute provides the knowledge regarding cutting edge technologies, enabling the students to carry out inter-disciplinary research. The Research and Development Cell (R&D), of the institute is equipped with advanced level research Laboratories to facilitate the academic and sponsored projects.

MECHANICAL STUDENTS DESIGNED A ELECTRIC CAR

PRACTICE IN R&D CELL

3) Excitement of Innovation & Entrepreneurship:

The institute provides a platform to business Start-ups to develop their ideas into commercially viable products. The students participate in the **Big Idea Competition** and the best ideas are rewarded**. Week End Lab** facilitates the students to work on innovative project ideas. **SCIENT HUB encourages** the stakeholders to incubate the selected projects, by providing the seed money and infrastructure based on their credentials. **R&D Cell** crucially works on generating the excitement in the young engineering brains to produce innovation and thus laying the stones for entrepreneurship.

ELECTRONICS PROJECTS

VISITING OF INDUSTRIES FOR REEARCH WORK

HACKATHON AT SCIENT INSTITUTE OF TECHNOLOGY

4) Exponent for Development of a Rounded Personality with Global Vision and

Participation of students in Co-Curricular Activities (CCA) and Extra Curricular Activities (ECA) helps to   enhance all rounded personality to strongly face the turbulent road of the future. Experiences and appreciations   gained through these activities assist students during internships. Career guidance, Personal counseling, Training are well structured through a Mentoring Training and Placement (MTP) center.   Student participation in ECA / CCA is facilitated through professional bodies and student associations.

CO-CURRICULAR ACTIVITIES (CCA) AND EXTRA CURRICULAR ACTIVITIES (ECA)

CO-CURRICULAR ACTIVITIES (CCA) AND EXTRA CURRICULAR ACTIVITIES (ECA

5). Designing the projects for Societal Empowerment:

Our Institute adopted five villages to transform the technology in rural areas. In this program the students and faculty teams are visiting the Adopted villagers to study and understand the way to transform technology in Agriculture, Educations, Health and Swachatha. New technologies enable small farmers to shift from input-intensive to knowledge-intensive agriculture. ... Combined with improved seed quality knowledge, water management and innovative Agriculture, which can in turn increase double and triple cropping, farmers' income can grow. R&D cell conducting project exhibition to develop projects for **Societal Empowerment** in the fields of Agriculture, Educations, Health and Swachatha.
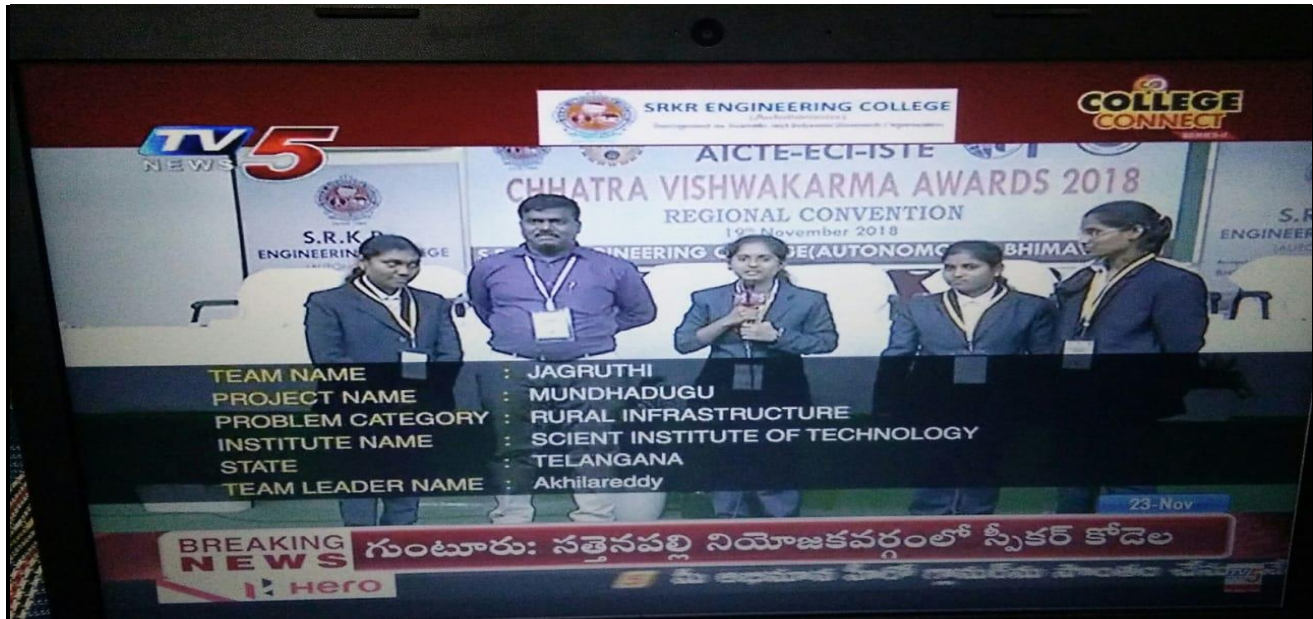

PROJECT EXHIBITION

PARTICIPATION OF CHATRA VISWAKARMA AWRADS AT S.R.K.R ENGINEERING COLLEGE. BHIMAVARAM.

PROJECT EXBITION

SURVEY   TO TRANSFORM TECHNOLOGY IN AGRICULTURE, EDUCATION, HEALTH AND SWACHATHA

SURVEY   TO TRANSFORM TECHNOLOGY IN AGRICULTURE, EDUCATION, HEALTH AND SWACHATHA