

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

#### **Transformation of economically and socially weak students**

Substantial numbers of students with socially weak and economically poor background take admission for various programs of the institute every year. The identification of the students background is on the basis of government quota. Economically poor students are identified as those who take admission under Super Numerary Quota (SNQ). Socially weak students are identified as those who take admission under SC/ ST/ OBC category.

When these students get admitted in to the institute, slow learners among them are segregated and they are asked to attend bridge courses in the subjects like mathematics, computer science, basic electronics etc. This enables them to be comfortable with some of the engineering courses requiring the above knowledge.

At the beginning of the 1st semester, an orientation program is arranged which introduces various engineering streams and gives an overview of the different courses. This program facilitates the students to understand and clarify the purpose pursuing engineering program of their choice. The institute has a student mentoring system, wherein 20 students are taken care by a mentor. They meet regularly to set right issues if any. Mentor act as a local guardian, who helps the students to overcome home sickness and other psychological issues. The mentor takes special care about the economically and socially weaker students by interacting with them separately.

In the second year, in-order to build self-confidence and self- assurance students are made to search technical journals, analyze it, prepare a paper and present it on a day identified (ISAP program). This presentation is critically evaluated and the feedback is given to the student for further improvement. Students are motivated to join various clubs and associations for participating in various activities. Special attention is given weaker students and they are motivated to take part in extra-curricular and co-curricular activities. Special training sessions are arranged on soft-skills to nurture them in the process of getting them placed. In addition the training & placement cell organizes sessions on personality development programs on a regular basis which helps them to become academically & socially strong and build up self-confidence among them.

These students are encouraged to participate in various techno-cultural activities being held in various professional institutes. Special technical seminar and workshops are conducted in the departments to expose them for the industrial trends and techniques. They are also made to undergo internships in industries and R&D organizations for gaining hands on experiences.

Extension activities and outreach programmes are arranged to make them aware of their social responsibilities.

The academically weak students are identified by the mentors and are facilitated with tutorial and remedial classes throughout.

All the above measures are aimed at transforming economically and socially weak students and make them self-reliant & employable.

The impact of these initiatives is reflected through a sample study of students who joined the institute in the year 2014-15 and passed out in 2017-18.

| Type of students      | Students enrolled for 4th year (2017-18) | Aggregate results (1-7 sem) | On campus placements |
|-----------------------|--|-----------------------------|----------------------|
| Economically deprived | 41                                       |                             | 17                   |
| Socially weaker       | 260                                      |                             | 56                   |
|                       |  |                             |                      |