



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Methodologies to support weak students and encourage bright students

In view of different levels of comprehension by slow learners and bright students in the class, Faculty implement innovative ideas that make the classroom experience more attractive in which students are engaged to improve their knowledge.

Creative-Teaching:

The following methods are adopted to identify every student's creative abilities and to encourage their creative contributions.

- Use of tools to stimulate creativity.
- Use of visual exercises, video lectures and technical quizzes.

Audio & Video Tools:

Faculty use audio-visual materials like prototype models, power point presentations, video lectures with animations and learning tools in class rooms. Such tools help the students to improve imagination levels.

Methodology to Identification of bright students:

The bright students are identified by using the parameters: their participation in classroom discussion, performance in the assessment tests, classroom seminars, questioning ability and University result analysis.

The bright students are encouraged to participate in national level symposiums, workshops and seminars to gain knowledge on the latest developments.

- ❖ The students are encouraged to take up industry based projects in the advanced topics under the guidance of the faculty members.
- ❖ Faculty provide with the guidance on project management and prototype models.
- ❖ Bright students are encouraged to lead the students' association team which organizes various activities viz. paper presentation, poster presentation, lecture series etc.

- ❖ Every year the class toppers are awarded with merit certificate and exempted from payment of examination fee.

| S.No | Identification Criteria | Actions taken |
|------|---|---|
| 1 | Students who score 60% and above in the internal assessment. | <ul style="list-style-type: none"> ➤ Encouraging them to do self learning. ➤ Encouraging them to participate in competitions. ➤ Motivating them to attend more Certification Courses such as NPTEL, SWAYAM and Soft Skill Training Programs. ➤ Motivating them to be members of Professional Bodies. ➤ Providing required Training for Competitive exams. ➤ Awarding cash prizes to deserving candidates. |
| 2 | Students secured top marks at Previous Semester Examinations. | Medals and Certificates are awarded |

| S.No | Hall Ticket No | Name of the Student | Year | Percentage Secured/CGPA |
|------|----------------|---------------------|------|-------------------------|
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Table 2.2.1b: List of the class toppers

Impact Analysis:

- Participation in Technical Events
- Participation in Conferences
- Participation in NSS programs
- Taking up the real time projects

Methodology to identify slow learners:

Students are identified as slow learners purely on the basis of their poor performance in the examination. To improve the student performance in all aspects, the department is adopts the following:

- ❖ Department arranges remedial classes for weak students after college working hours.

- ❖ Counseling sessions are handled by the mentors for interaction with students.
- ❖ Concerned mentor informs the parents regarding the improvement in marks obtained in exams.
- ❖ Specially developed question banks and assignments are given to students.

| S.No | Identification Criteria | Actions taken |
|-------------|--|---|
| 1 | Students scoring less than 60% of marks in Internal Assessment. | <ul style="list-style-type: none"> ➤ Encouraging them for Regular Attendance. ➤ Interacting with parents. ➤ Conducting remedial classes. |
| 2 | Lateral entry students lack of knowledge in basics of mathematics. | Conducting Bridge Course. |

Impact Analysis:

- Improvement in academic performance of students.
- Active participation of the students in various programs.