Amrutvahini College of Engineering, Sangamner

Slow Learners and Advanced Learners

(Identification & Activities)

During the classroom and Laboratory sessions, faculty deals with different types of students such as very intelligent or fast, average and weak learners. Therefore to make the effective teaching learning process, it is necessary to identify the abilities of the students in the class. Based on identification, students are grouped in two categories: Advanced learner and Slow learner.

On the basis of their preceding exam performance, current subject unit test performance and Observation/ feedback by subject teacher the students are assessed.

Each type of students has different learning attitudes and learning habits. It helps the faculty to adapt new teaching methods and plan extra teaching learning session as per the need of the time to engage and equally encourage the slow as well as advanced learners.

The slow learner and advanced learner identification process and activates for them is detailed as below.

Inputs for the process:

To identify the slow and advanced learner following inputs are needed

- Preceding (Board / CET score/ University) examination overall result
- Unit test result
- Class observation by subject/class teacher

1. **Process of Identification and activities of Slow learners and Advanced Learners:**

   The process of assessment of the learning levels of the students and conduction of activities for them to be carried out is shown in the fig.1.

   Process to identify of slow learners and advanced learners would be conducted immediately after declaration of second semester university exam result and after one month of teaching in new academic year.
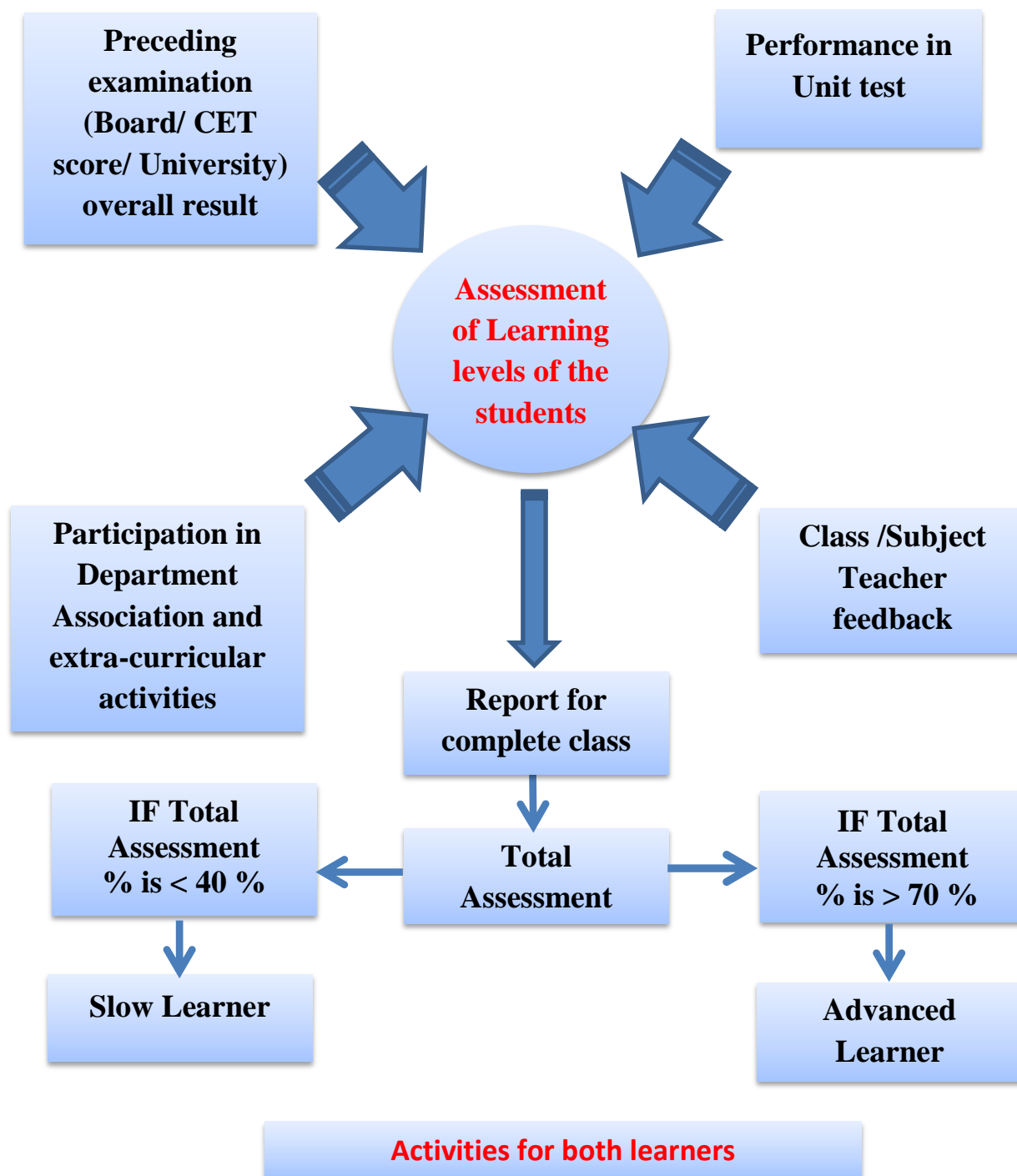
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                                                              Performance in
 Preceding                                                    Unit test
 examination
 (Board/ CET
 score/ University)
 overall result
                        Assessment
                        of Learning
                        levels of the
                        students

 Participation in                                             Class /Subject
 Department                                                   Teacher
 Association and                                              feedback
 extra-curricular
 activities
                        Report for
                        complete class

 IF Total                Total                                IF Total
 Assessment              Assessment                           Assessment
 % is < 40 %                                                  % is > 70 %

 Slow Learner                                                 Advanced
                                                              Learner

                    Activities for both learners
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Fig. 1 Process Flow of Identification of Slow and Advanced Learners

Slow and advanced learners are identified based on following parameters and the weightage. There may be slight variation in the criteria and weightage by departments as per the necessity.

Sr. No	Parameter	Weightage in %
1	Marks obtained by student in unit test	15
2	Academic performance of students in preceding (12th, CET for FE), university examination	50
3	Class teacher/ Subject teachers feedback	10
4	Participation in Department Association and extra-curricular activities	25

- Based on above parameters a report should be prepared for the complete class.
- The student securing marks below 40% would be identified as Slow Learners and the student securing marks above 70 % would be identified as Advanced Learners.
- Then lists of both types of learners are prepared for further activities.

2. Conduction of activities for Advanced Learners

i)   Guidance for career planning.

ii)   Discussions/seminars/Training programs/ workshops by experts from Industry/Academia on technology advancements.

iii)   Provide the opportunities to work as student co-ordinator of State/National/International level Seminars, Conferences, workshops etc.

iv)   Provision of exclusive book bank facility.

v)   Encourage to organize various activities like group discussions, technical quizzes, debate, Essay Writing etc. through department student association.

vi)   To assign a group of three to four slow learners to boost the slow learners confidence level.

vii)   Motivate to do micro projects to inculcate practical approach apart from curriculum.

viii)   Motivate to take up competitive exams like GATE, MPSC, UPSC, CAT etc.

ix)   Implement buddy Scheme to interact with renowned alumni for career guidance and encouragement to acquire niche skill set.

x)   **"Amrut Scholarship"** of Rs 6000/-per semester to the students scoring more than 9.5 CGPA in university exams.

xi)   Financially supported for membership of professional bodies like IEEE/CSI/ ISHRAE/ASI/IEI/IETE/ ISTE etc.

xii)   Encourage and financial support to complete NPTEL/Advanced courses with high scores in MOOC Courses such as Swayam (NPTEL).

xiii) Encourage to participate and present papers in various Seminars/ Conferences/Hackathon competitions/Workshops/ Inter-Collegiate Competitions organized by other colleges and benefitted in terms of event registration fees and travelling allowance from institution.

3. Activities for Slow Learners:

i. Provide simple and standard course material and question bank with answers.

ii. Extra classes for the critical syllabus contents / as per the need/performance in class test to be conducted.

iii. Prepare study group system with the help of the advanced learners to boost the confidence level.

iv. Provisions should be made in weekly time table by adding extra one hour learning session to conduct discussion/problem solving practice /revision/extra sessions.

v. "Learning Process" (LP) sessions to be scheduled for detailed discussion on latest taught syllabus content.

vi. Subject teachers to conduct remedial classes for the courses in which slow learners found unsuccessful in university examination.

vii. Appreciation for their achievements.

viii. The tutors to interact with their parents after sharing the report card through SMS/post for the students' progress.

ix. Implement Buddy Scheme to interact with renowned alumni for career guidance and counselling them to improve academic performance.

x. Dr Rajeshree Bhavsar, professional counsellor has been appointed for the students counselling.

xi. Make up classes and practical sessions should be conducted for Direct Second Year (DSE) Students to complete the syllabus within time.