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Department of Electronics & Communication Engineering

IDENTIFICATION PROCESS & PLAN OF EXECUTION FOR ADVANCED LEARNERS

In any class, not all students have the same learning pace. While some students excel and easily grasp the concepts, others may require additional support. In this regard, the department also focuses on advanced learners, ensuring that they are further encouraged, challenged, and provided with opportunities to excel academically and in research.

COUNSELLING IN THE DEPARTMENT:

- The Institute follows a structured academic counselling process. During admission, the Principal interacts with the parents and students to assess their needs, aspirations, and potential.
- A group of advanced learners is assigned to a mentor for academic and personal development throughout the course.
- Each mentor is responsible for a maximum of 20 students. The mentor regularly interacts with the students to assess their academic performance, career aspirations, and overall well-being.
- Mentors guide students through career planning, encourage participation in academic research, and suggest opportunities for internships, projects, and conferences that align with their interests.
- Regular interactions with parents ensure that the progress of advanced learners is monitored, and the parents are informed about their child's academic journey and achievements.

METHODOLOGY TO IDENTIFY ADVANCED LEARNERS:

Advanced learners are identified based on:

- Performance in the Mid-I and Mid-II examinations with above 75% marks.

- Consistent high performance in assignments, projects, and quizzes.
- Active participation in class discussions, problem-solving sessions, and extracurricular academic activities.
- Feedback from faculty and counsellors about their academic aptitude, creativity, and analytical skills.
- Previous academic performance that reflects high academic standards.

METHODOLOGY TO ENHANCE THE PERFORMANCE OF ADVANCED LEARNERS: To support and further develop advanced learners, the department adopts the following strategies:

Mentorship & Academic Guidance:

- Mentors offer guidance on challenging subjects, provide advanced learning materials, and give feedback on assignments and projects to enhance their skills.
- Advanced learners are encouraged to take on additional responsibilities in academic events, projects, and research.

Research & Development Opportunities:

- The department facilitates advanced learners' participation in research projects, providing them with access to high-end resources and lab facilities.
- Students are encouraged to take part in national and international conferences, paper presentations, and technical seminars.
- Faculty members guide students in preparing research papers, projects, and patents.

Enhanced Learning Resources:

- Advanced learners are provided with supplementary materials beyond the regular syllabus, such as research papers, case studies, and textbooks.
- Access to online platforms, webinars, and online courses from reputed sources will be provided to help them expand their knowledge.

Skill Development:

- o Special workshops and sessions focusing on industry-related topics, advanced tools, and software are organized for advanced learners.
- o Collaboration with external experts and organizations for workshops, hackathons, and internships to help students hone their skills.

Special Assignments & Projects:

- o Advanced learners are assigned special projects, research papers, or case studies that challenge their ability to apply theoretical knowledge in practical scenarios.
- o These students may work on projects that have the potential to contribute to real-world applications or academic research, under the guidance of faculty members.

Regular Assessments & Feedback:

- o Periodic assessments, including class tests and quizzes, will be conducted to ensure continuous learning and provide feedback to the students.
- o Detailed feedback from faculty on their progress, strengths, and areas for improvement will be provided to ensure holistic development.

Encouragement for Competitive Exams & Certifications:

- o Advanced learners are encouraged to prepare for competitive exams like GRE, GATE, and other national-level exams that align with their career goals.
- o The department offers guidance and resources for obtaining relevant certifications that will enhance their career prospects.

Parental Interaction:

- o Mentors maintain regular communication with the parents of advanced learners to discuss academic progress, potential career paths, and achievements in co-curricular and extracurricular activities.

By providing an environment conducive to furthering their academic and personal growth, the department ensures that advanced learners are not only challenged but also adequately supported in achieving their full potential.