

Rajeev Gandhi Govt. P. G. College Ambikapur

Department of Chemistry

Action Taken Report for Slow and Advanced learners

Action taken for slow learners:-

Introduction:

This report outlines the actions taken to support slow learners in our department, aiming to enhance their academic performance and overall learning experience.

Here are some actions that taken for slow learners:

- **Identification of Slow Learners:** Early diagnosis of slow learners done by conducting scholastic test, regular assessments, performance and observation.
- **Remedial Classes:** Organized remedial classes for the slow learners so that their problems can be addressed in a separate class with a comfortable learning environment to ensure students with a lot of information through pedagogical methodologies to develop learning and intrinsic motivation.
- **Learning Resources:** Provided access to additional learning materials such as E-content like e-pathshala, NPTL-notes, PHET, previous year question papers, study material PDF.
- **Different Learning Exercises:** Prepared different learning exercises such as practical work, peer teaching, group discussion, seminar, assignment to help students for the topics that are hard for them to comprehend.
- **Appreciation and motivation:** Appreciated the students for their every small achievements and motivated them to perform better which have a great impact on their outlook toward learning.
- **Counseling Services:** Offered counseling to address any personal or emotional challenges affecting academic performance.
- **Monitoring and Observation:** Successive progress of the students were regularly monitored and observed to ensure their better performance.

Outcomes: By applying all these techniques students improved their academic performance, developed understanding and comprehensive knowledge with increasing confidence and self-esteem they can get opportunity to work in field of chemical sciences or other public services

Conclusion: Supporting slow learners is crucial for their academic success and overall university experience. This report demonstrates our commitment to providing tailored support, and we will continue to refine our strategies to ensure their success.

This Action Taken Report highlights strategies for advancing the learning experience for students with higher skills

Action taken for advanced learners:-

Introduction:

Advance learner, avoiding the distractions and ability to concentrate on the vital aspects is the most important facet. The ways and means to simplify the process of learning, this report outlines actions taken to challenge and support advanced learners in our Chemistry program, fostering their academic growth and research potential.

Here are some actions that taken for slow learners:

- **Identification:** Recognized advanced learners through regular internal assessments, academic performance and evaluation.
- **Online Programmes:** They are motivated to participate in various technical events online courses like MOOCS, SWAYAM, NPTEL, value added course etc. to involve them in online certification programmes.
- **Research Awareness:** Encouraged to participate in research activities going on in department and assigned advanced research projects under faculty guidance, promoting original thoughts and experimentation. Encouraged to pursue research in CSIR, DBT, ICMR and Central Institutes.
- **Learning and Evaluation:** Suggested learning management and self assessment by group discussions, quizzes, social outreach program, educational visits, surveys, review assignments to make learning more effective.
- **Competitive Exams:** Taking up competitive exam training programmes and aware about UGC CSIR-NET, CG-SET, GATE and other Scientific/ public service based exams.
- **Knowledge enrichment circle:** Organized exclusive seminars on cutting-edge topics in chemistry to aware and enhance knowledge of advanced learners about recent and current research/ inventions.
- **Vertual Lab Applications:** A few effective technologies are suggested in the SimLab , Virtual Lab tools is a process-oriented multidisciplinary simulation environment to accurately analyze the performance of complex assemblies such as Chemistry Modules, PhET, ChemReaX, Virtual Chemistry experiments, Titration screen experiment, virtual labs provided remote-access to students at the UG & PG levels as well as to research scholars.
- **ICT Based Learning:** Emphasized to active participation of learners in cooperative learning strategies, group-work, group-projects which help in creation of the conducive learning and aware about ICT tools and softwares like ChemDraw, ChemDoodle, Origin etc. that used to draw chemical structures, figures and graphs.

Outcomes: Created a stronger academic and professional networks, improved job prospects and career advancement and recommended to continuously face challenges and establish advanced learning by expanding research opportunities and resources with interdisciplinary collaborations.

Conclusion: The objectives of the actions to explore advanced learners, nurture future leaders and innovators in the field of chemistry. This report highlights our commitment to providing tailored opportunities for growth and success.