

Faculty Forum

REPORT ON THE CLO–PLO MAPPING PROGRAMME

Organised by the Department of Physics, Government College (Autonomous), Rajahmundry

Date: *23 October 2025*

Resource Person: *Dr. Sanjeev Kumar*

1. Introduction

The Department of Physics, Government College (A), Rajahmundry, organised a one-day programme on *Course Learning Outcomes (CLO) and Programme Learning Outcomes (PLO) Mapping* on **23rd October 2025**.

The session was conducted by **Dr. Sanjeev Kumar**, an expert in academic quality assurance and outcome-based education (OBE).

The programme aimed to strengthen the understanding of the OBE framework among faculty members and enhance curriculum planning and assessment practices.

2. Objectives of the Programme

1. To familiarise faculty with the structure and significance of Programme Learning Outcomes (PLOs).
2. To develop clarity regarding Course Learning Outcomes (CLOs) for various physics courses.
3. To understand systematic mapping between CLOs and PLOs.
4. To demonstrate procedures for designing rubrics aligned with CLO–PLO framework.
5. To promote uniformity in documentation for NAAC and other accreditation purposes.

3. Programme Details

- **Venue:** Department of Physics, Govt. College (A), Rajahmundry
- **Participants:** Faculty members of UG & PG Physics Programmes
- **Duration:** 10:00 AM – 1:00 PM

Sessions Conducted

a) Overview of OBE Framework

Dr. Sanjeev Kumar discussed the evolution of Outcome-Based Education with focus on:

- Vision and mission alignment
- Programme Educational Objectives (PEOs)
- PLOs and CLOs
- Assessment and continuous quality improvement

b) Formulation of CLOs

He explained the characteristics of effective learning outcomes:

- Measurable
 - Achievable
 - Student-centric
 - Aligned to Bloom's Taxonomy levels
- Examples of CLOs for core physics papers were demonstrated.

c) Mapping Methodology

A detailed hands-on session was conducted on mapping CLOs to PLOs using matrices. Faculty were guided on:

- Levels of attainment (Low/Medium/High)
- Direct and indirect assessment methods
- Documentation required for audits and NAAC

d) Rubric Design

The resource person illustrated how to create rubrics correlated with each CLO. Sample rubrics for laboratory courses and theory courses were also discussed.

4. Outcomes of the Programme

- Faculty gained clarity on writing and refining CLOs.
- A uniform departmental framework for CLO–PLO mapping was drafted.
- Standard templates were adopted for upcoming semester files.
- Faculty became better equipped to meet accreditation and IQAC documentation requirements.
- Enhanced understanding of assessment tools and attainment calculation methods.

5. Feedback from Participants

Participants expressed that the session was:

- Highly informative and practically oriented

- Useful for curriculum revision and teaching plans
 - Beneficial for strengthening NAAC-related documentation
- Many faculty members requested follow-up workshops on rubric development and CO-attainment calculation.
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6. Conclusion

The CLO–PLO Mapping Programme conducted by **Dr. Sanjeev Kumar** on **23/10/2025** was highly productive and relevant to the current academic needs of the department. The Department of Physics acknowledged the resource person for his valuable inputs and resolved to implement the OBE practices more rigorously in the coming academic years.



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