



Questionnaire Set - I for Alumni Survey (Program Outcome and Program Specific Outcome)

1. Listed below are the questionnaire related to the **Program Outcome (PO)** and **Program Specific Outcome (PSO)** Measures that are being used in Gandhi Academy of Technology and Engineering, Ganjam.
2. Mark your response to each question/statement by rating on a scale of 1 – 5, which best describes your organization. The following statements related to your experience with the organization were:
1 - Not at All Agree (Strongly Disagree); 2 - Very Less Agree; 3 - Somewhat Agree; 4 - Highly Agree; 5 - Completely Agree (Strongly Agree)

1. **PO 1** Have you ever applied knowledge of science and basic engineering in solving problems in your organisation?
① ② ③ ④ ⑤
2. **PO 2** For a given task, whether you were able to identify and design a solution applying creative thinking with the help of domain specific software tool?
① ② ③ ④ ⑤
3. **PO 3** Whether you were able to develop solutions or working with solutions with due adherence to health safety, environment and other issues?
① ② ③ ④ ⑤
4. **PO 4** Whether you were able to investigate complex problems using research-oriented knowledge and methods to provide appropriate solution.
① ② ③ ④ ⑤
5. **PO 5** Have you applied appropriate techniques and modern engineering tools to complex engineering activities to find professional engineering solution.
① ② ③ ④ ⑤
6. **PO 6** Whether you were able to apply reasoning informed by the contextual knowledge to access societal, health, safety & cultural issues relevant to professional engineering practice ?
① ② ③ ④ ⑤
7. **PO 7** Have you understood the impact of professional engineering solution in societal & environmental context & demonstrate for sustainable development.
① ② ③ ④ ⑤
8. **PO 8** Whether you were able to apply ethical principles and commitment to professional ethics and responsibilities?
① ② ③ ④ ⑤
9. **PO 9** Would you like to work as team member or team leader?
① ② ③ ④ ⑤
10. **PO 10** Whether you were able to communicate effectively on technical aspects of the assignments that you are handling?
① ② ③ ④ ⑤
11. **PO 11** Whether you have handled projects in multidisciplinary environments?
① ② ③ ④ ⑤
12. **PO 12** Are you aware of the current developments in your field? If so how are you acquiring the knowledge?
① ② ③ ④ ⑤
13. **PSO 1** How has your education in computer-aided design, manufacturing, and robotics prepared you to tackle automation challenges in your professional career?
① ② ③ ④ ⑤
14. **PSO 2** To what extent has your understanding of Lean Manufacturing principles and quality tools helped you meet industry requirements and expectations?
① ② ③ ④ ⑤
15. **PSO 3** How has the knowledge and skills gained in thermal and sustainable energy applications contributed to your ability to innovate in your field of work?
① ② ③ ④ ⑤



Questionnaire Set - II for Student Exit Survey (Program Outcome and Program Specific Outcome)

- Listed below are the questionnaire related to the **Program Outcome (PO) and Program Specific Outcome (PSO)** Measures that are being used in Gandhi Academy of Technology and Engineering, Ganjam.
- Mark your response to each question/statement by rating on a scale of 1 – 5, which best describes your organization. The following statements related to your experience with the organization were:
1 - Not at All Agree (Strongly Disagree); 2 - Very Less Agree; 3 - Somewhat Agree; 4 - Highly Agree; 5 - Completely Agree (Strongly Agree)
- PO1** Have you learned the fundamental principles underlying the major areas of mathematics, sciences and engineering in your courses?
① ② ③ ④ ⑤
- PO2** Are you able to analyse a problem and formulate the solution using principles of mathematics, natural science and engineering sciences ?
① ② ③ ④ ⑤
- PO3** Have you published any paper using innovative ideas considering public health, safety and environmental issues during your graduation?
① ② ③ ④ ⑤
- PO4** Are you able to use research-based knowledge & methods to investigate complex problems?
① ② ③ ④ ⑤
- PO5** Have you used creative thinking/Modern tools/technique/resources for solutions to complex engineering activities keeping the constraints in mind?
① ② ③ ④ ⑤
- PO6** Are you able to reason out issues related to society, health, safety, legal and culture using contextual knowledge and borne the responsibility relevant to professional engineering discipline to address the same.
① ② ③ ④ ⑤
- PO7** Are you able to grasp the impact of professional engineering solutions in the context of society and environment and apply it for sustainable development?
① ② ③ ④ ⑤
- PO8** Are you able to apply ethical principles and commitment to professional ethics and responsibilities?
① ② ③ ④ ⑤
- PO9** Are you a team player and able to function effectively in a multidisciplinary setting?
① ② ③ ④ ⑤
- PO10** Are you able to communicate effectively on complex engineering activities with the engineering communities and the society?
① ② ③ ④ ⑤
- PO11** Are you able to apply knowledge and skill to manage projects in a multi- disciplinary environment?
① ② ③ ④ ⑤
- PO12** Are you able to keep yourself updated on the latest technology to adhere in your workplace ?
① ② ③ ④ ⑤
- PSO1** How confident are you in using CAD, manufacturing, and robotics techniques to solve complex automation problems after completing your program?
① ② ③ ④ ⑤
- PSO2** To what extent do you understand the principles of Lean Manufacturing and the importance of quality tools in the manufacturing sector?
① ② ③ ④ ⑤
- PSO3** How well-prepared do you feel to apply your knowledge and skills in thermal and sustainable energy applications to innovate in future career opportunities?
① ② ③ ④ ⑤



Questionnaire Set - III for Employer Survey (Program Outcome and Program Specific Outcome)

1. Listed below are the questionnaire related to the **Program Outcome (PO) and Program Specific Outcome (PSO)** Measures that are being used in Gandhi Academy of Technology and Engineering, Ganjam.

2. Mark your response to each question/statement by rating on a scale of 1 – 5, which best describes your organization. The following statements related to your experience with the organization were:

1 - *Not at All Agree (Strongly Disagree)*; 2 - *Very Less Agree*; 3 - *Somewhat Agree*; 4 - *Highly Agree*; 5 - *Completely Agree (Strongly Agree)*

1. Do you feel our graduates meet your expectations?

① ② ③ ④ ⑤

2. PO1 How well do our graduates apply knowledge of mathematics, science, and engineering fundamentals to solve complex engineering problems in your organization?

① ② ③ ④ ⑤

3. PO2 How effectively do our graduates analyze and solve engineering problems using research-based knowledge and principles of mathematics and science?

① ② ③ ④ ⑤

4. PO3 How competent are our graduates in designing solutions that consider public health, safety, societal, and environmental impacts?

① ② ③ ④ ⑤

5. PO4 Whether our graduates are able to apply research based knowledge & methods to provide valid solutions to a problem?

① ② ③ ④ ⑤

6. PO5 How effectively do our graduates utilize modern engineering tools and IT resources to solve real-world engineering challenges?

① ② ③ ④ ⑤

7. PO 6 Do you feel our students are able to properly adhere to various ethical, environmental and safety codes framed by your organization or by concerned public institutions?

① ② ③ ④ ⑤

8. PO7 How well do our graduates contribute to sustainable development by considering environmental and societal impacts in their engineering solutions?

① ② ③ ④ ⑤

9. PO8 Whether our students are able to apply ethical principles and commitment to professional ethics and responsibilities?

① ② ③ ④ ⑤

10. PO9 How would you evaluate the teamwork and leadership skills of our graduates in multi-disciplinary or diverse team settings?

① ② ③ ④ ⑤

11. PO10 How effectively do our graduates communicate complex engineering concepts in the form of reports, presentations, and instructions?

① ② ③ ④ ⑤

12. PO11 How capable are our graduates in managing projects and applying engineering and management principles to practical scenarios?

① ② ③ ④ ⑤

13. PO12 Whether our students are updated themselves to latest technology to solve technical problem in required field?

① ② ③ ④ ⑤

14. PSO1 How well do our graduates apply techniques in computer-aided design (CAD), manufacturing, and robotics to address automation challenges in your organization?

① ② ③ ④ ⑤

15. PSO2 How effectively do our graduates implement Lean Manufacturing principles and quality tools to improve productivity and efficiency?

① ② ③ ④ ⑤

16. PSO3 How competent are our graduates in innovating and implementing solutions in thermal and sustainable energy applications?

① ② ③ ④ ⑤