**NUST-PAKISTAN NAVY ENGG. COLLEGE**

**Alumni Survey**

**(To be filled by Alumni –Three years after completion of degree)**

**ON THE OUTCOME BASED EDUCATION (OBE) FOR ATTAINMENT OF PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**

# Introduction

PNEC is in the process of gathering responses from its stakeholders for review of Program educational objectives (PEOs), which are statements describing features which should be achieved by graduates after few years of completion of study. The faculty believes our graduates should demonstrate the capabilities required from professionals by virtue of learning experiences gained during their study in the University.

# A. Alumni Profile

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Email:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Year of Graduation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Degree Program: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-

Department:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**B. Employment Profile**

Current Status

 Employed Self-employed unemployed Higher studies

Time to get employed after graduation

 less than 3 months within 6 months more than 6 months more than a year

**C.** **Present Organization** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please respond to the following by circling the most appropriate answer in this questionnaire.

**5: Very strong 4: Strong 3: Moderate 2: Weak 1: very Weak**

**0: Not applicable**

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| **PEO 1 Apply mechanical/ electrical/ industrial manufacturing engineering knowledge to identify and address the technical and societal problems**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q1 | Your ability to apply fundamental engineering knowledge in the profession | PLO-1 | 5 | 4 | 3 | 2 | 1 | 0 |
| Q2 | Your ability to identify, formulate, and solve engineering problems | PLO- 2,3 | 5 | 4 | 3 | 2 | 1 | 0 |
| Q3 | Your ability to apply modern software/hardware tools for investigation and analysis of a problem | PLO- 4,5 | 5 | 4 | 3 | 2 | 1 | 0 |
| Q4 | Your ability to identify and solve societal. environmental problems through engineering knowledge and skills | PLO- 6,7 | 5 | 4 | 3 | 2 | 1 | 0 |

**PEO 2 Enhance their intellectual and analytical abilities in taking initiatives and/or develop innovative ideas for technological and professional growth in mechanical/ electrical/ industrial manufacturing engineering and allied disciplines.**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q5 | Your motivation and drive for enhancement of your knowledge and skills | PLO-12 | 5 | 4 | 3 | 2 | 1 | 0 |
| Q6 | Your pursuance for continuous advancement of learning and skills by further studies/professional courses/attending workshops/conferences | PLO- 12 | 5 | 4 | 3 | 2 | 1 | 0 |

**PEO 3 Work effectively as a team member or lead multidisciplinary teams while demonstrating the interpersonal & management skills and ethical responsibilities.**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q7 | Your verbal and written communication skills to satisfy your professional requirements | PLO-10 | 5 | 4 | 3 | 2 | 1 | 0 |
| Q8 | Your ability to lead a team and work in a multidisciplinary environment  | PLO- 9 | 5 | 4 | 3 | 2 | 1 | 0 |
| Q9 | Your ability to execute a project through your skills and management | PLO-11  | 5 | 4 | 3 | 2 | 1 | 0 |
| Q10 | Your approach to understanding ethical problems you encounter in your professional career and a way to deal with it | PLO- 8 | 5 | 4 | 3 | 2 | 1 | 0 |

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**Evaluation of PNEC educational experience:**

**i.** Indicate your level of overall satisfaction with your training during degree as it relates to your career:

 Very Satisfied Satisfied Neutral Dissatisfied

**ii.** Based on your experience since graduation, what are the primary strengths of your PNEC education? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**iii**. Considering your professional experience since you received your degree, what subject(s), principle(s), item(s), etc. do you feel were missing and wish had been covered while you were a student in engineering?

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