

PROGRAMME EDUCATIONAL OBJECTIVES (PEO) ANALYSIS

FROM 2019 – 2023
(FIVE (5) YEARS RUNNING)

Presented by:

ASSOC. PROF. Ir. Dr. ISMACAHYADI BAGUS MOHAMED JAIS

PROGRAMME EDUCATIONAL OBJECTIVES (2019 – 2021)

PEO1: Demonstrate a high level of competency in their engineering practices within the global boundaries.

- PI1: 60 % of FCE graduates become a team member in multi disciplinary project.
- PI2: 40 % of FCE graduates lead project.
- PI3: 50 % of FCE graduates involve in integrated or international project.

PEO2: Practice the engineering profession based on sound principle and ethics with consideration of sustainability.

- PI1: 60 % of FCE graduates working with engineering or related company.
- PI2: 40 % of FCE graduates hold position as team member and above.
- PI3: 40 % of FCE graduates acquire Tier 1/Tier 2 qualification.

PEO3: Demonstrate communication and leadership skills while recognizing the need for life-long learning for successful career development.

- PI1: 40 % of FCE graduates have performed technical presentation to client/public.
- PI2: 40 % of FCE graduates have chaired project meeting.
- PI3: 40 % of FCE graduates pursue post graduate studies.

PROGRAMME EDUCATIONAL OBJECTIVES (2022 – 2023)

PEO1: Demonstrate a high level of competency in their engineering practices within the global boundaries.

- PI1: 60 % of SCE graduates become a team member in multi disciplinary project.
- PI2: 60 % of SCE graduates lead project.
- PI3: 50 % of SCE graduates involve in international project.

PEO2: Practice the engineering profession based on sound principle and ethics with consideration of sustainability.

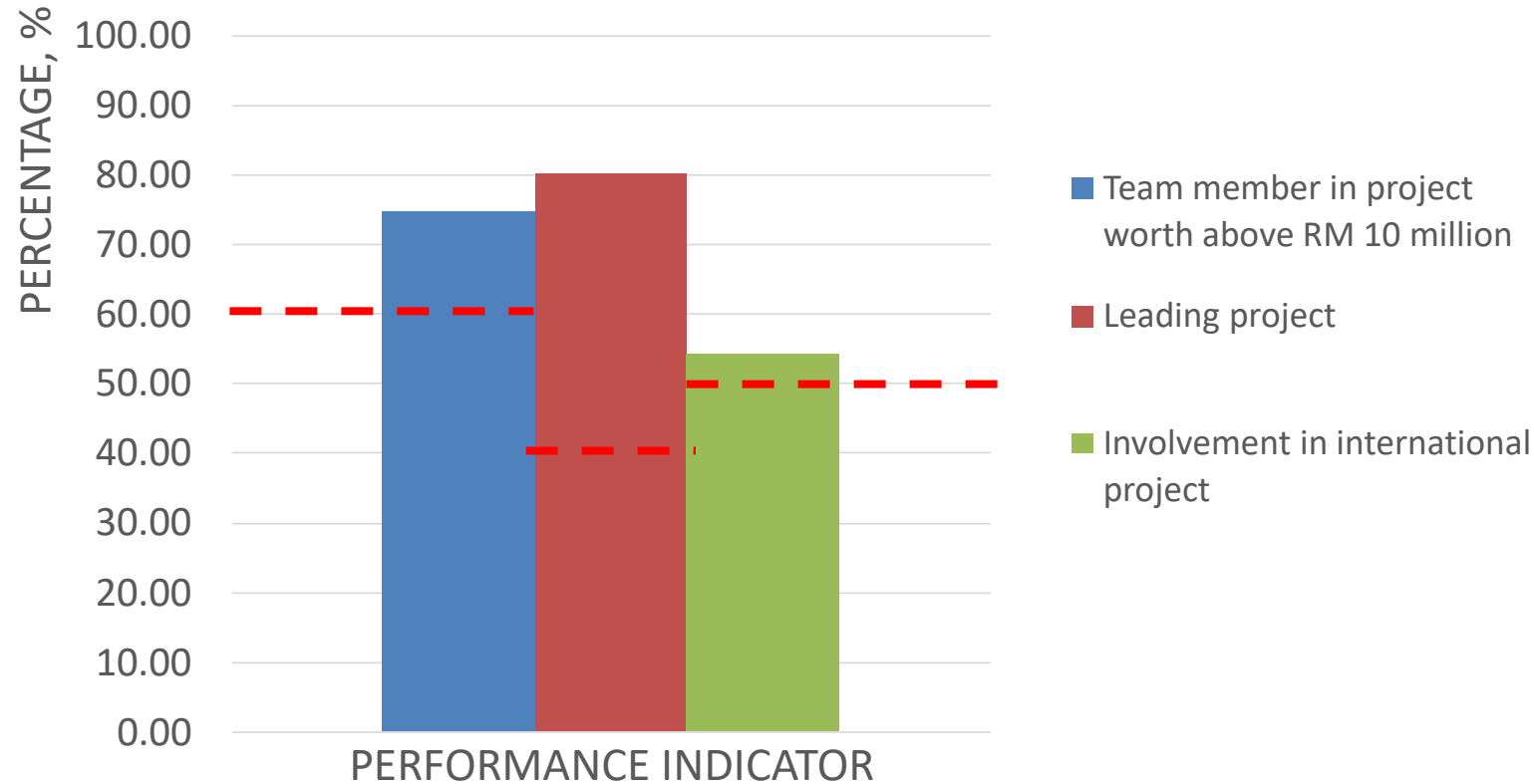
- PI1: 60 % of SCE graduates working with engineering, architectural and construction based company.
- PI2: 40 % of SCE graduates hold managerial positions.
- PI3: 40 % of SCE graduates acquire PE/PEPC.

PEO3: Demonstrate communication and leadership skills while recognizing the need for life-long learning for successful career development.

- PI1: 40 % of SCE graduates have prepared technical report and performed presentation to client/ public.
- PI2: 40 % of SCE graduates have lead project activities.
- PI3: 50 % of SCE graduates pursue post graduate studies, professional development courses or involve in entrepreneurial activities.

- An alumni survey was executed online for the year 2019.
- There was a number of 73 candidates responded to the online questionnaire.
- Based on the respondence, 48% of the candidates are from construction firms, 23% from government agencies, 21% from the consulting firms and others as well.

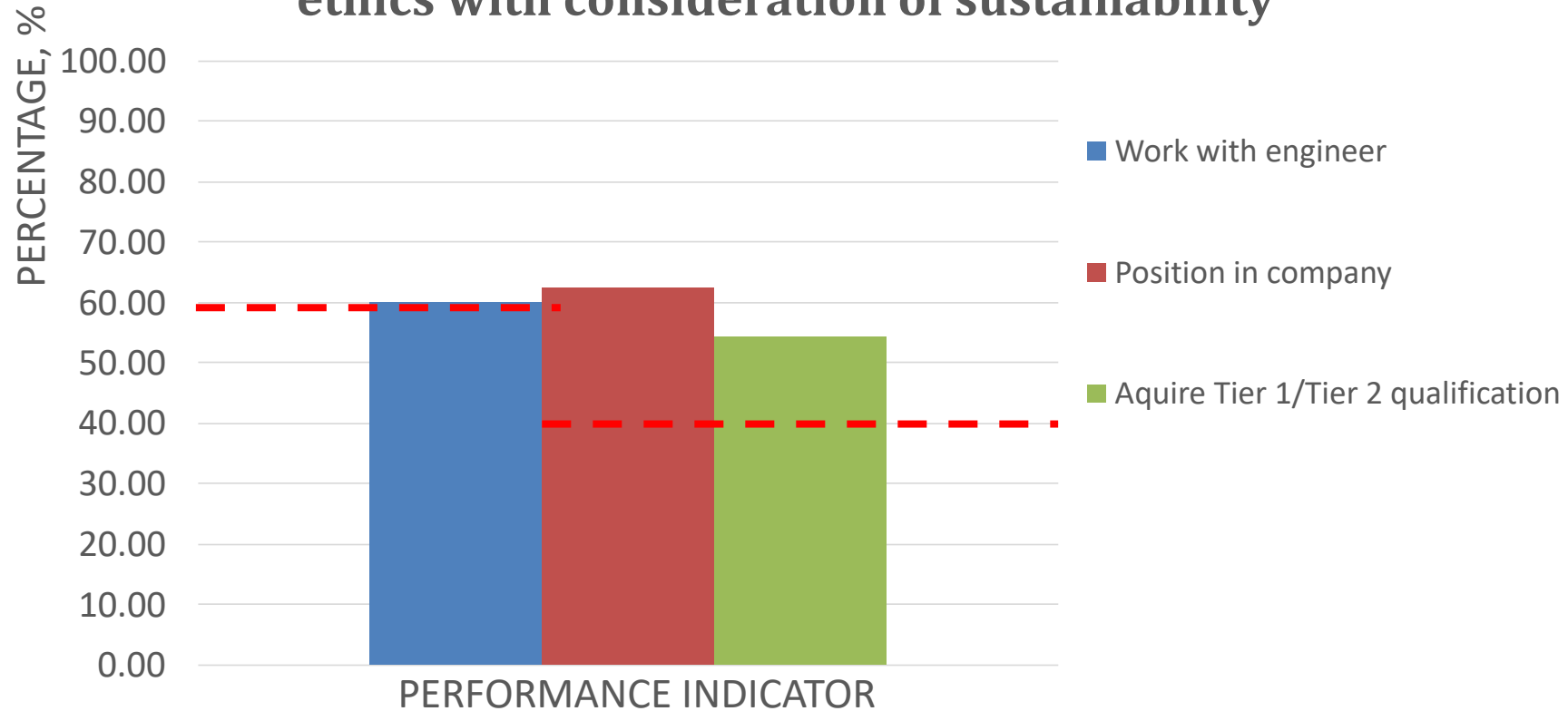
PEO 1 : Survey Alumni 2019 : Demonstrate a high level of competency in their engineering practices within the global boundaries



Performance Indicator:

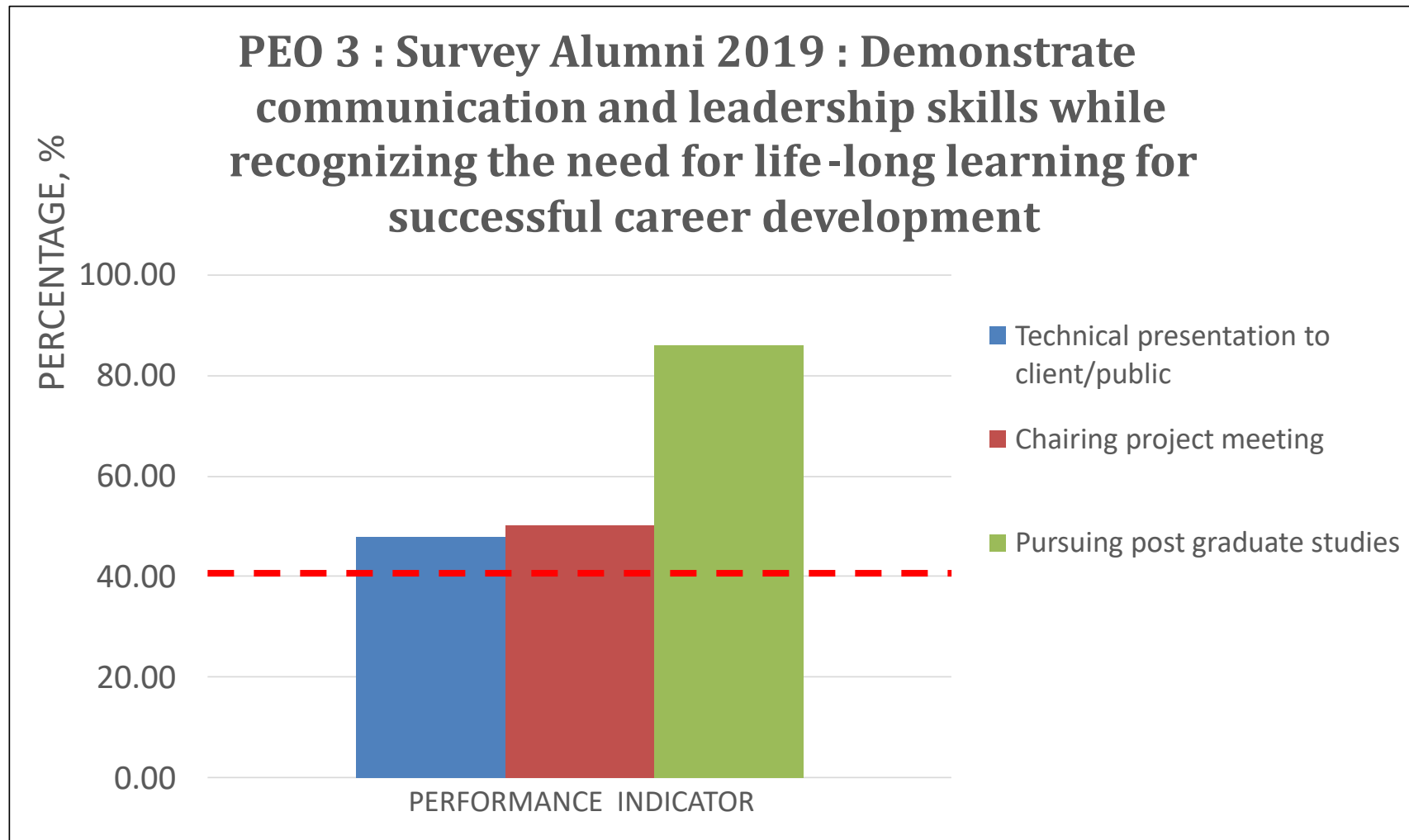
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PEO 2 : Survey Alumni 2019 : Practice the engineering profession based on sound principle and ethics with consideration of sustainability



Performance Indicator:

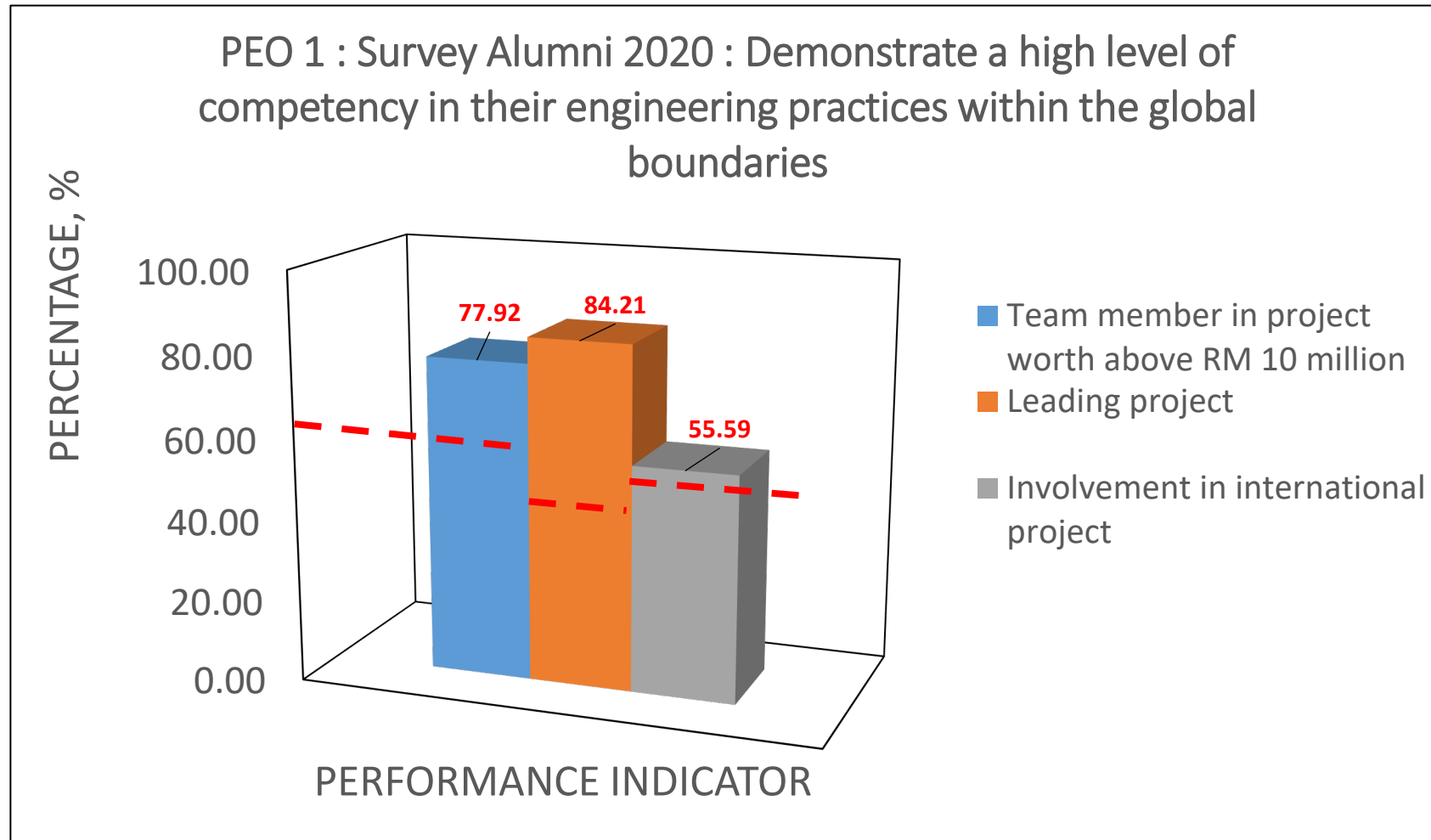
- PI1: 60 % of FCE graduates working with engineering or related company
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Performance Indicator:

- PI1: 40 % of FCE graduates have performed technical presentation to client/public
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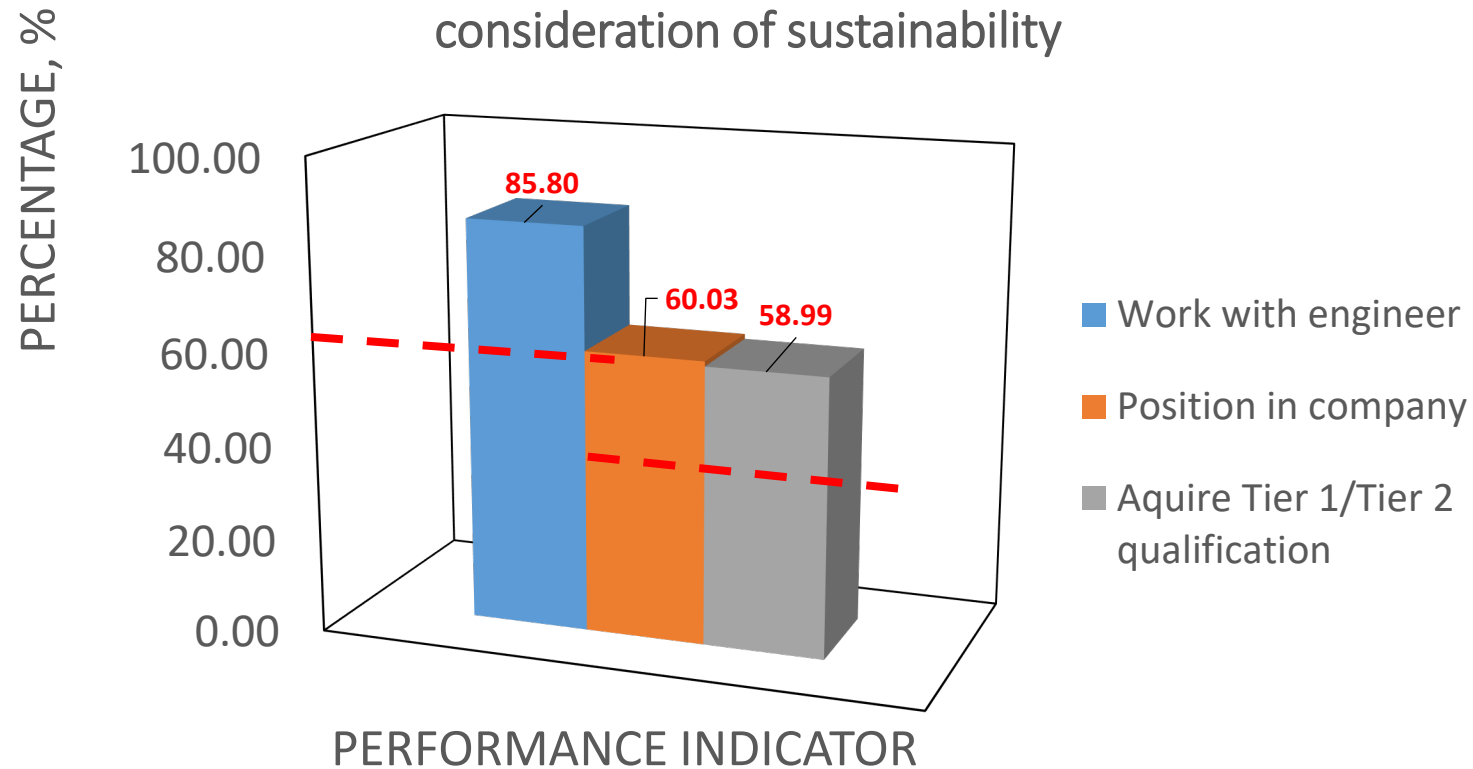
- An alumni survey was executed online for the year 2020.
- There was a number of 112 candidates responded to the online questionnaire.
- Based on the respondence, 46.7% of the candidates are from construction firms, 21.9% from government agencies, 21% from the consulting firms and others as well



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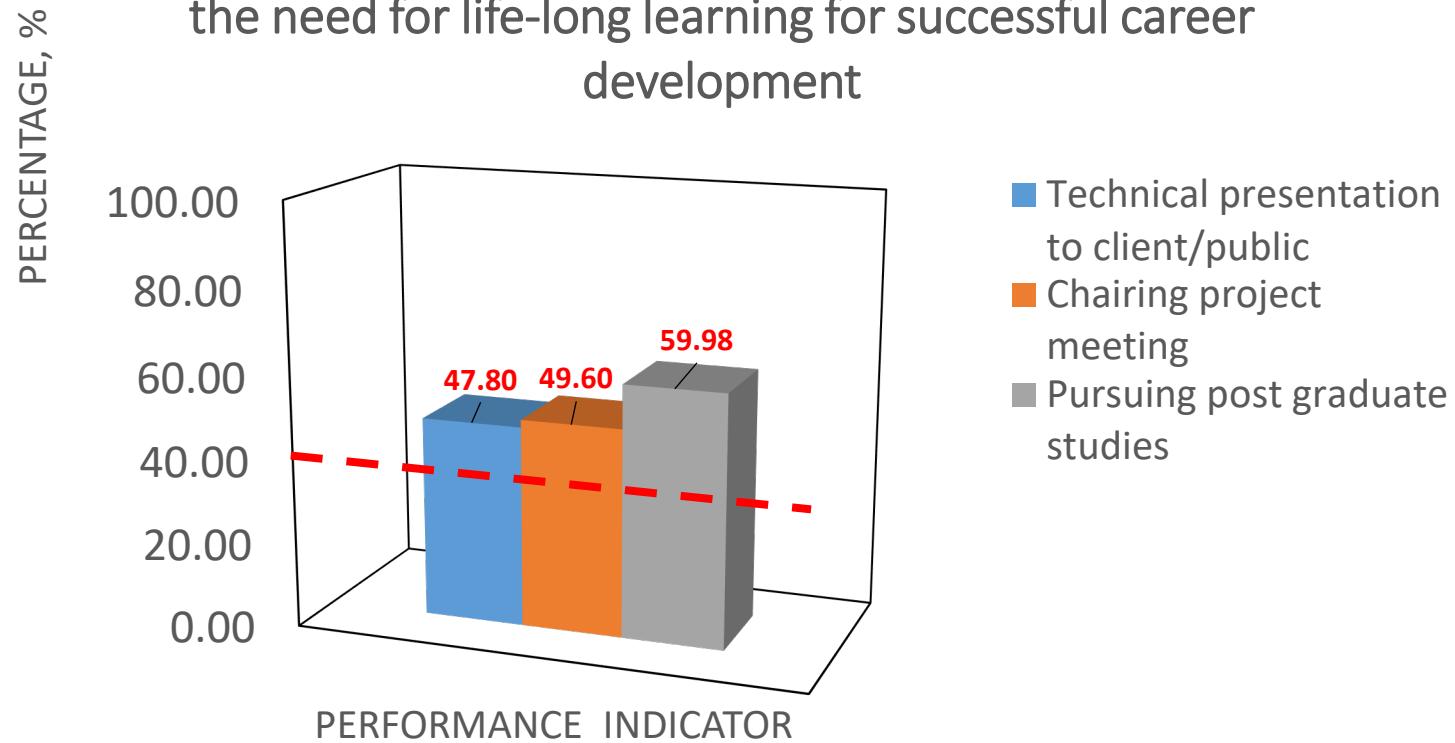
PEO 2 : Survey Alumni 2020 : Practice the engineering profession based on sound principle and ethics with consideration of sustainability



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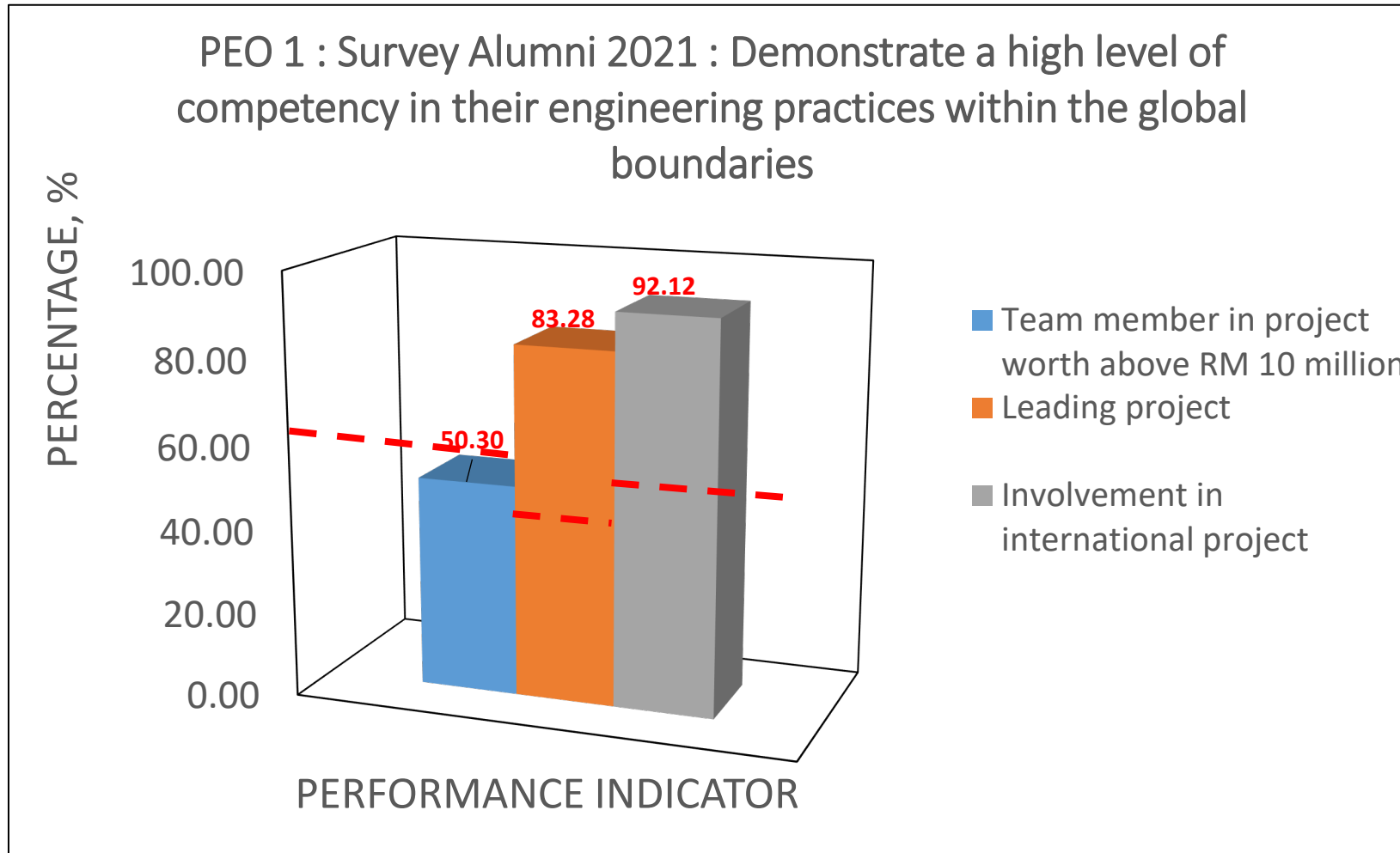
PEO 3 : Survey Alumni 2020 : Demonstrate communication and leadership skills while recognizing the need for life-long learning for successful career development



Performance Indicator:

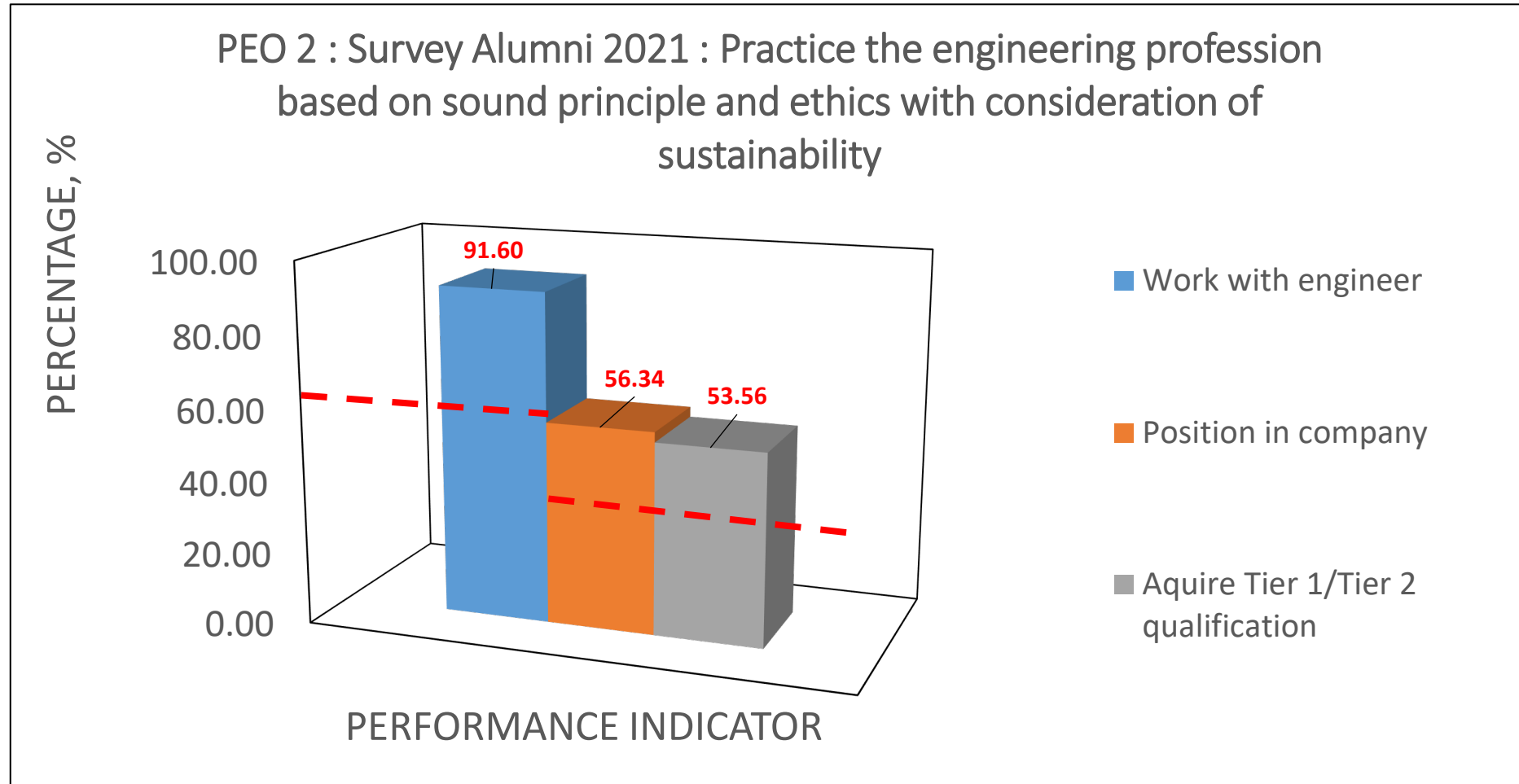
- PI1: 40 % of FCE graduates have performed technical presentation to client/public
- PI2: 40 % of FCE graduates have chaired project meeting
- PI3: 40 % of FCE graduates pursue post graduate studies

- An alumni survey was executed online for the year 2021.
- There was a number of 148 candidates responded to the online questionnaire.
- From a total of 148 candidates, 86 of the candidates are the alumnus of B.Eng (Hons.)(Civil)
- Based on the respondence, 33.7% of the candidates are from construction firms, 19.8% from government agencies, 34.9% from the consulting firms and 8.1 % from others.



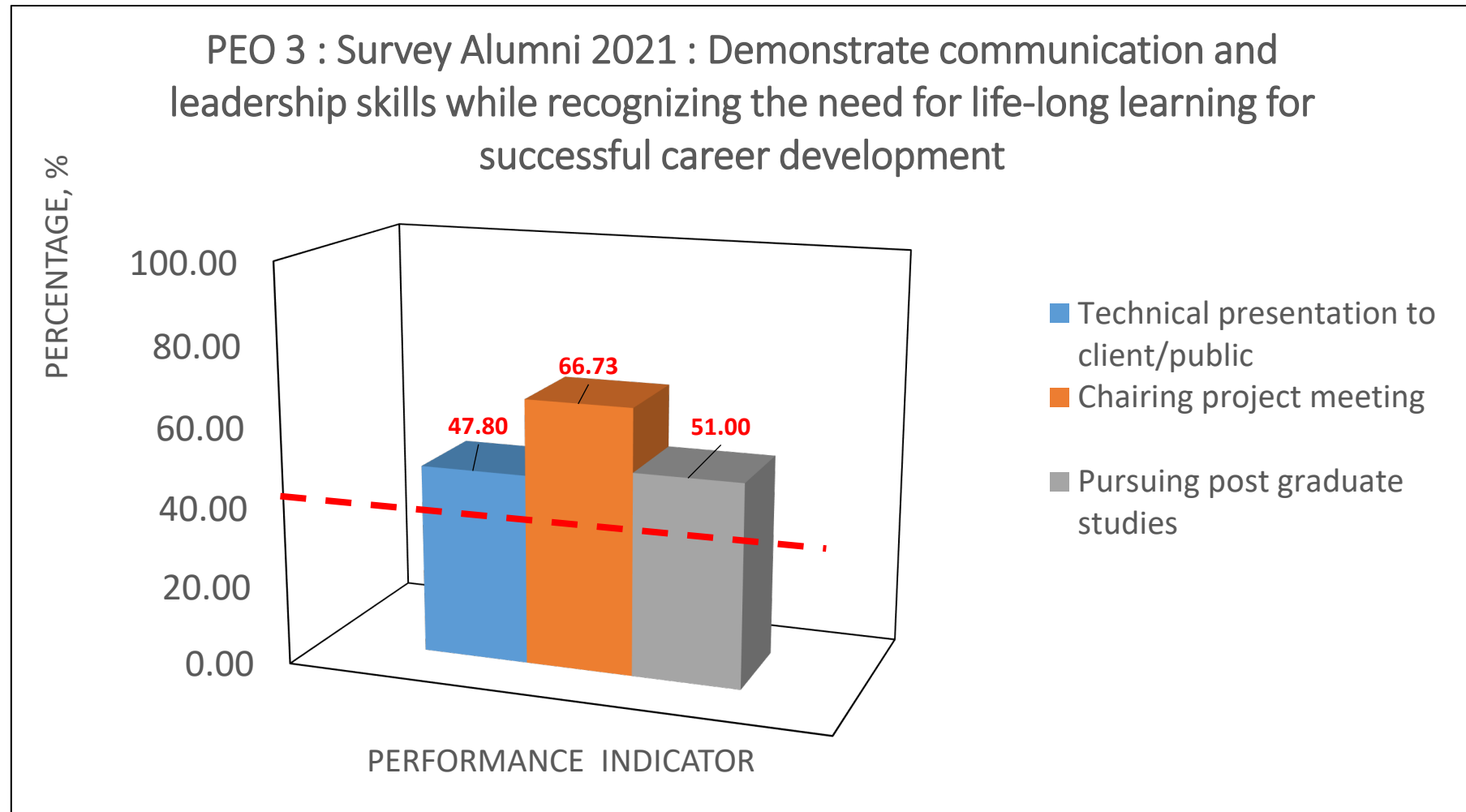
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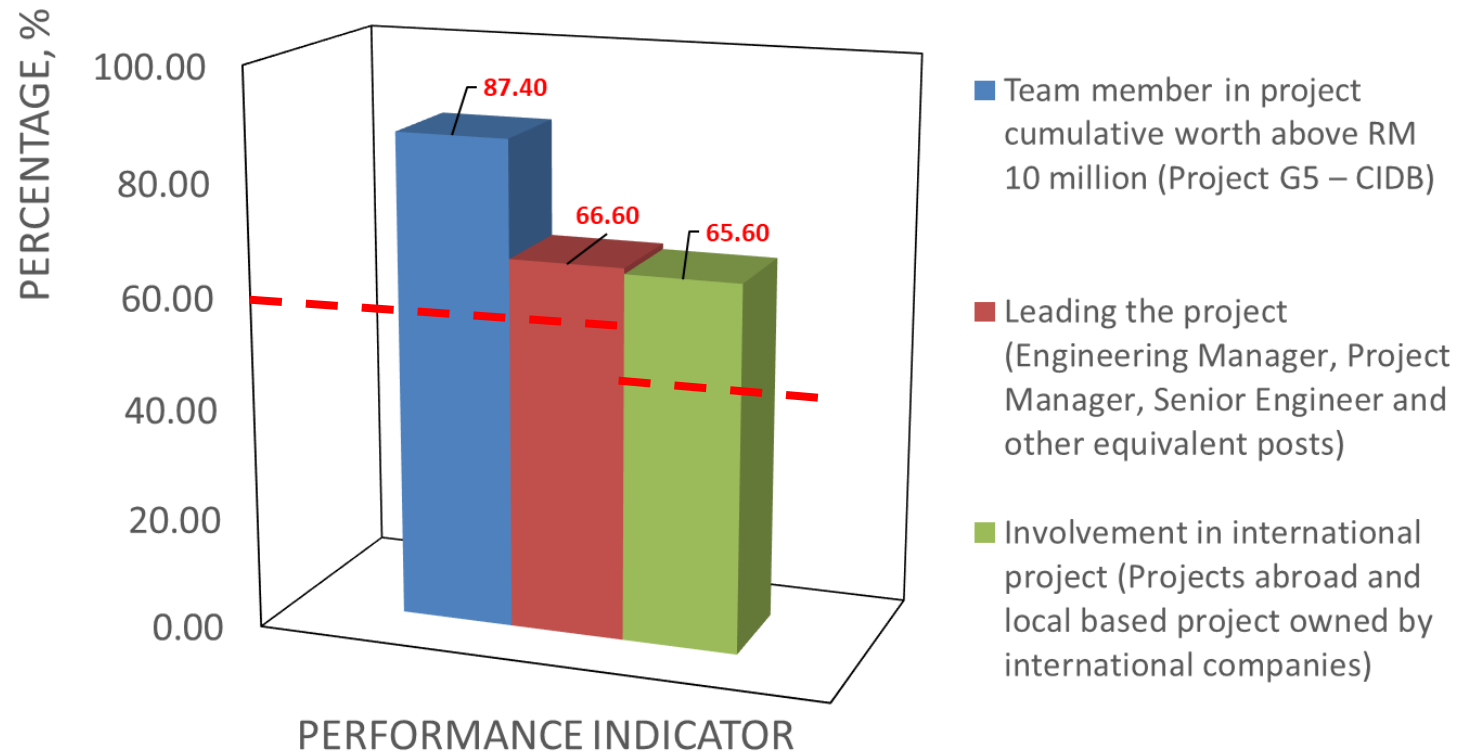


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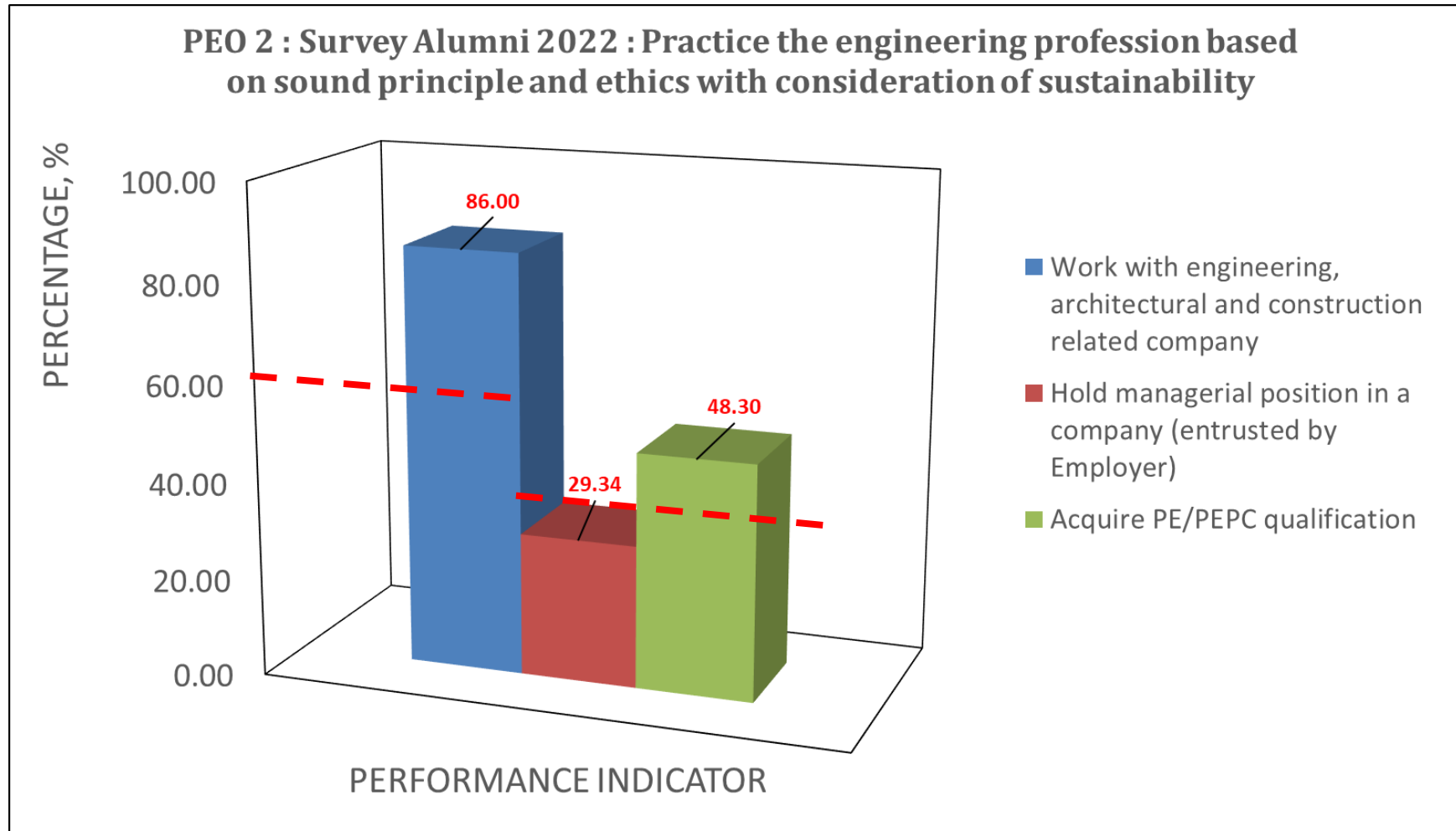
- An alumni survey was executed online for the year 2022.
- There was a number of 166 candidates responded to the online questionnaire.
- Based on the respondence, 31.7 % of the candidates are from construction firms, 26 % from government agencies, 29.8 % from the consulting firms and 4.4 % from others.

PEO 1 : Survey Alumni 2022 : Demonstrate a high level of competency in their engineering practices within the global boundaries.



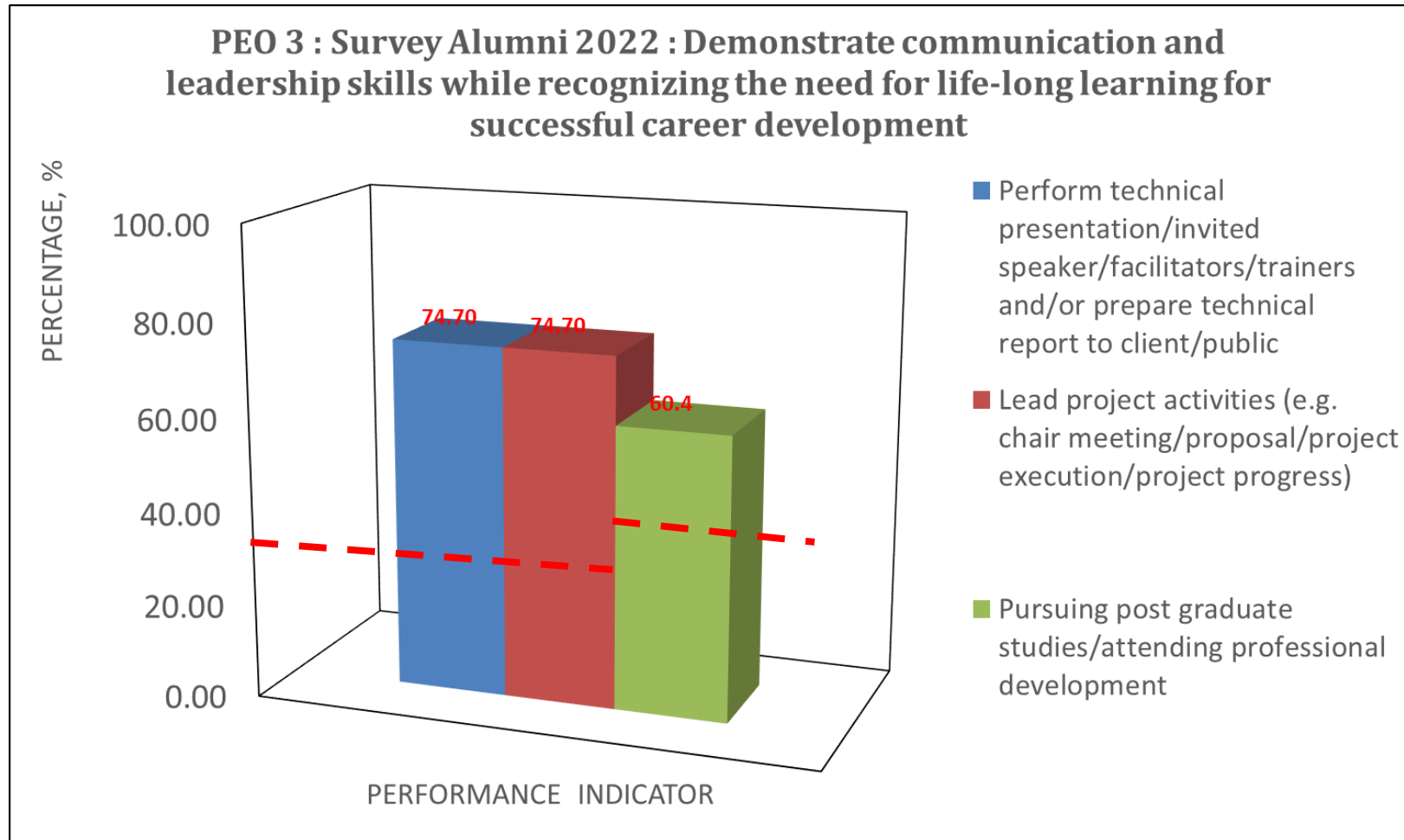
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Performance Indicator:

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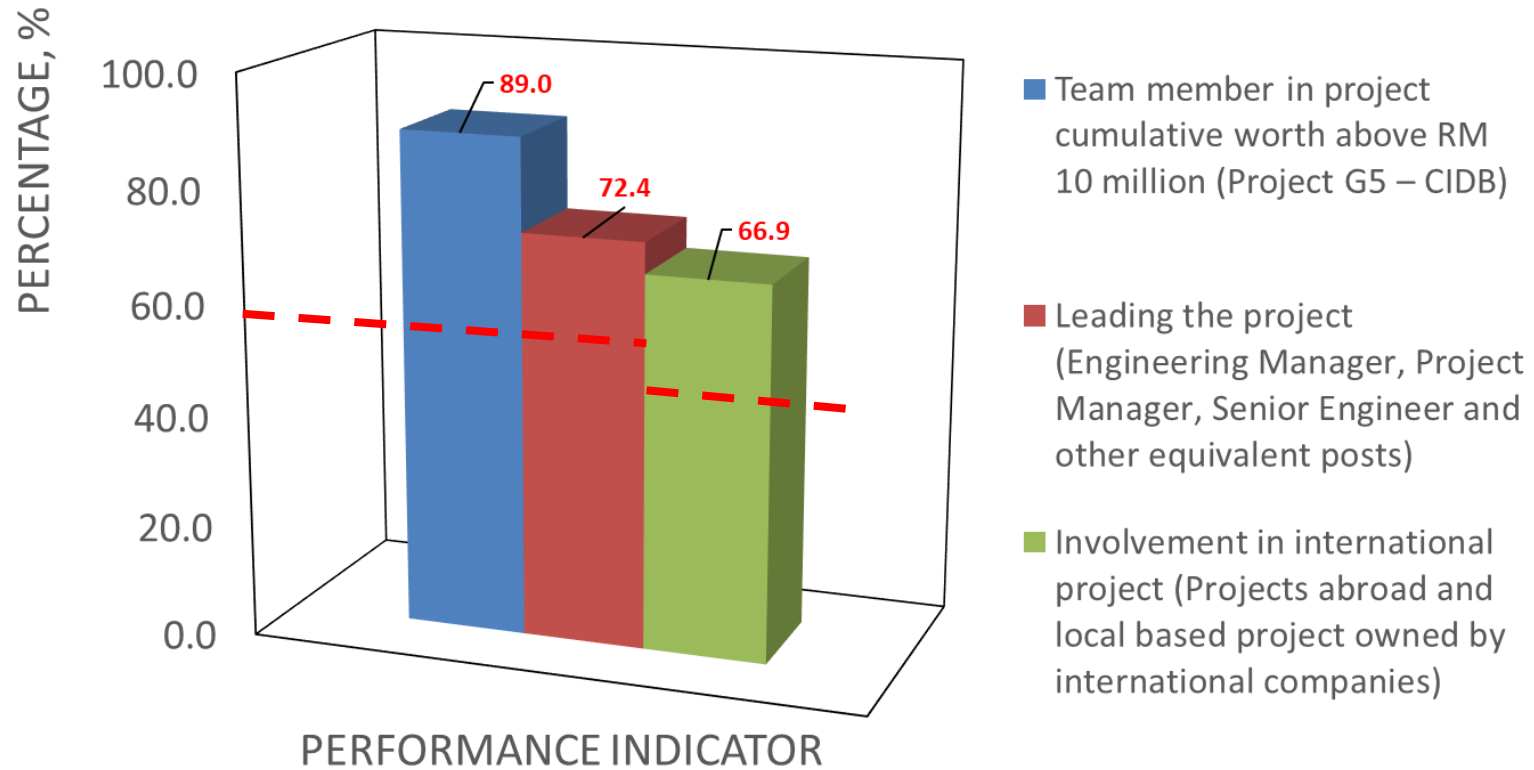


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- PI2: 40 % of SCE graduates have lead project activities
- PI3: 50 % of SCE graduates pursue post graduate studies, professional development courses or involve in entrepreneurial activities

- An alumni survey was executed online for the year 2023.
- There was a number of 273 candidates responded to the online questionnaire with 127 candidates within 3 to 5 years (2018 – 2020). The analysis was done according to 127 respondents within 3 to 5 years (2018 – 2020).
- Based on the respondence, 39.2 % of the candidates are from construction firms, 12.3 % from government agencies, 19.3 % from the consulting firms and the remaining percentage is from others.

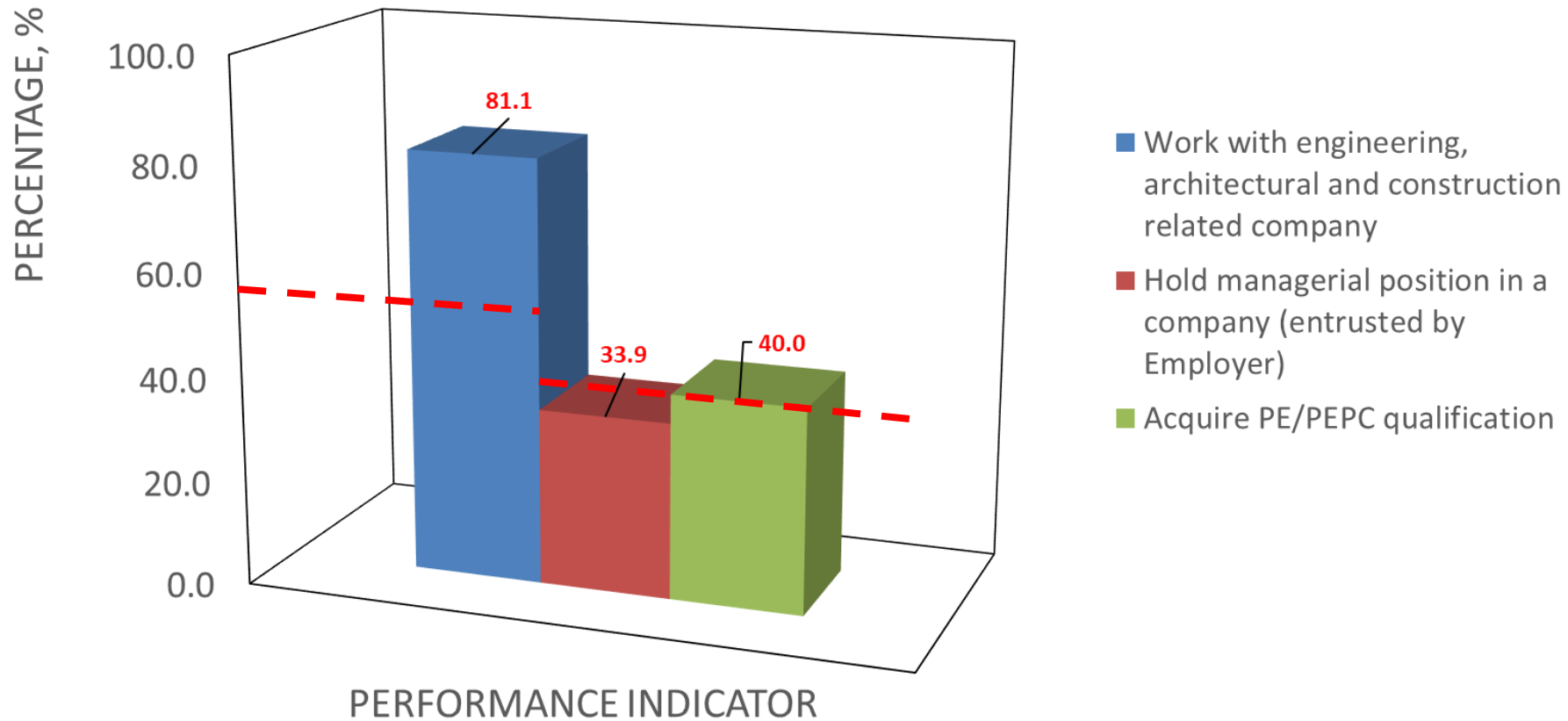
PEO 1 : Survey Alumni 2023 : Demonstrate a high level of competency in their engineering practices within the global boundaries.



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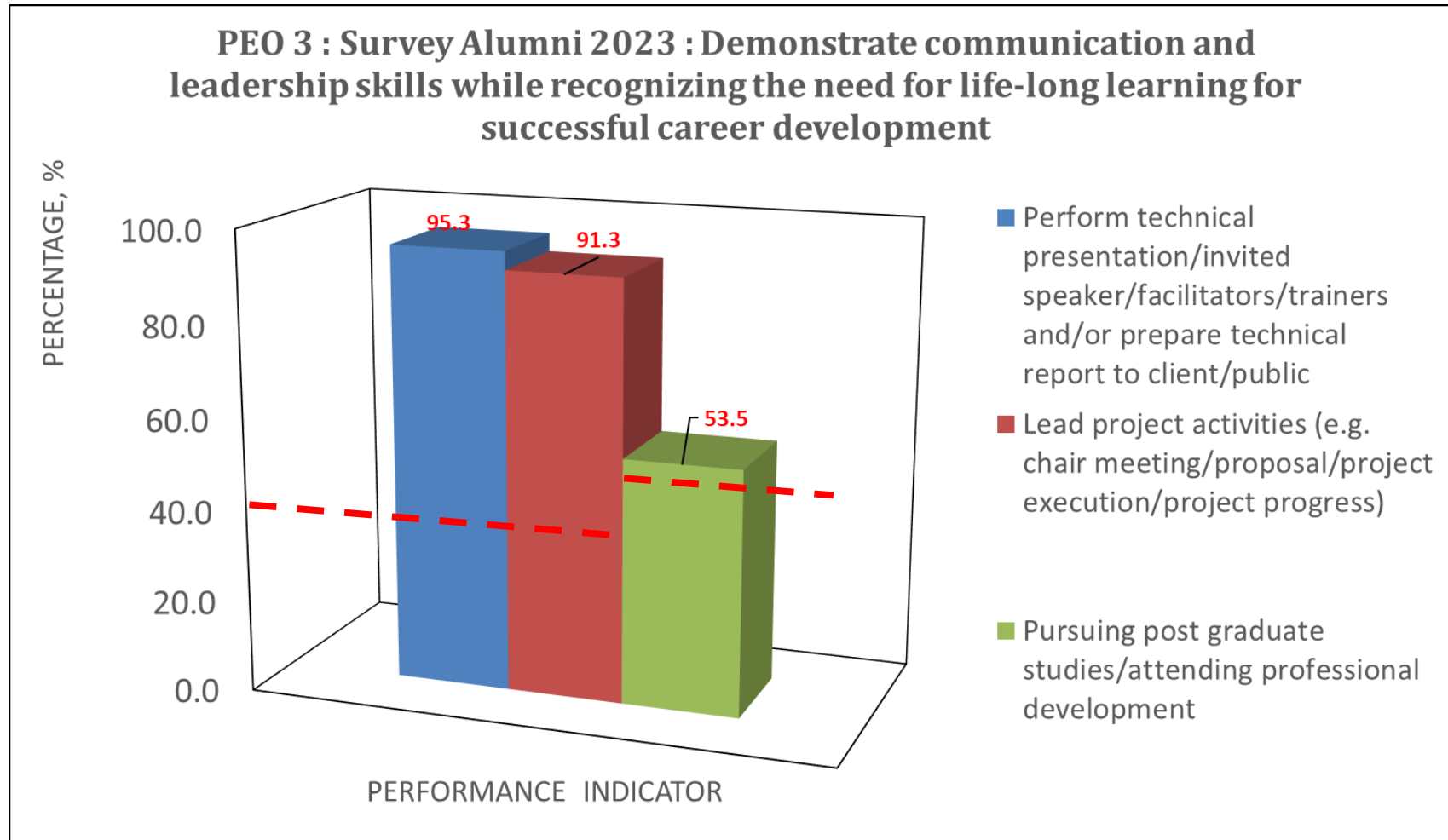
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PEO 2 : Survey Alumni 2023 : Practice the engineering profession based on sound principle and ethics with consideration of sustainability



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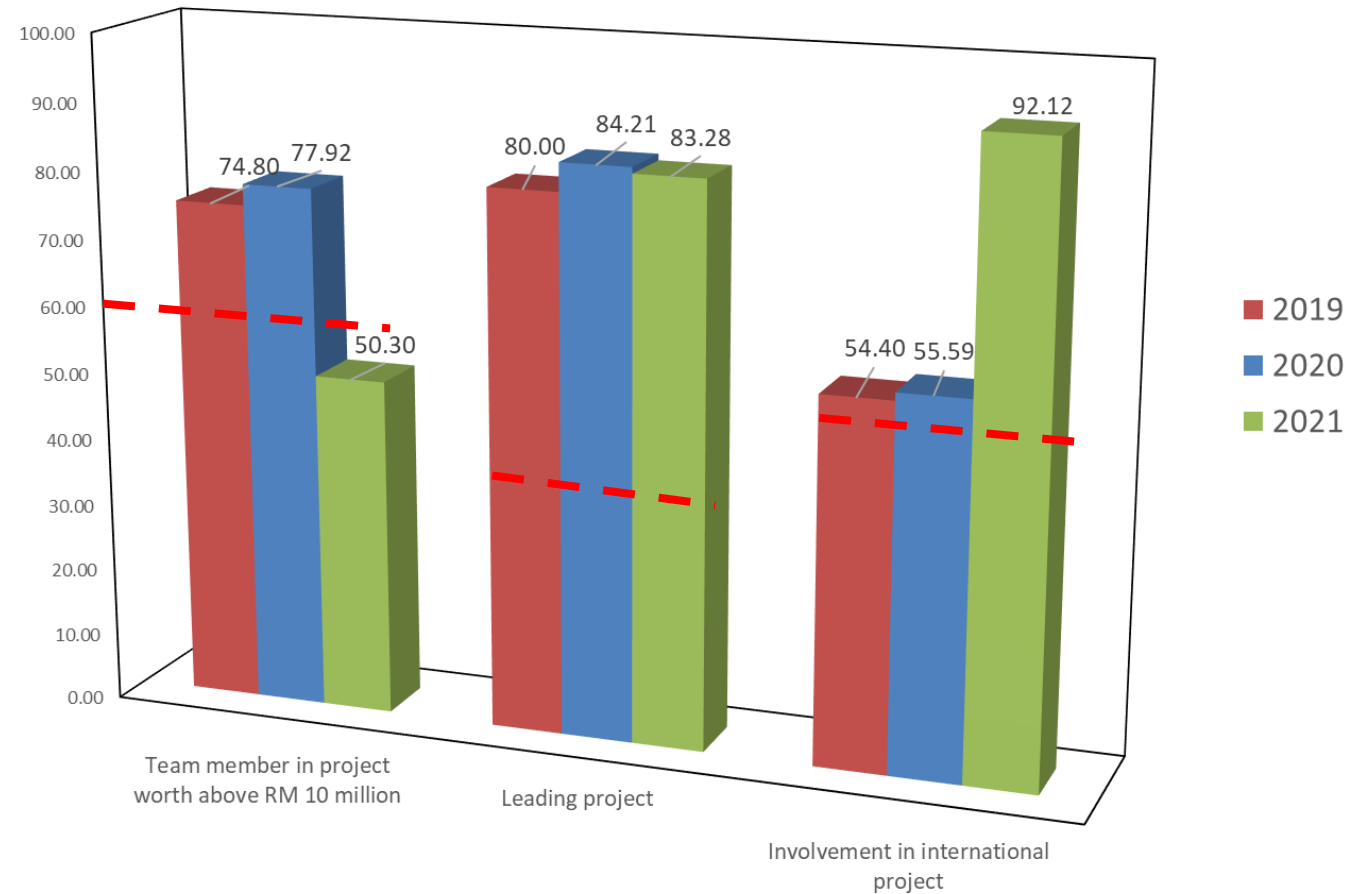
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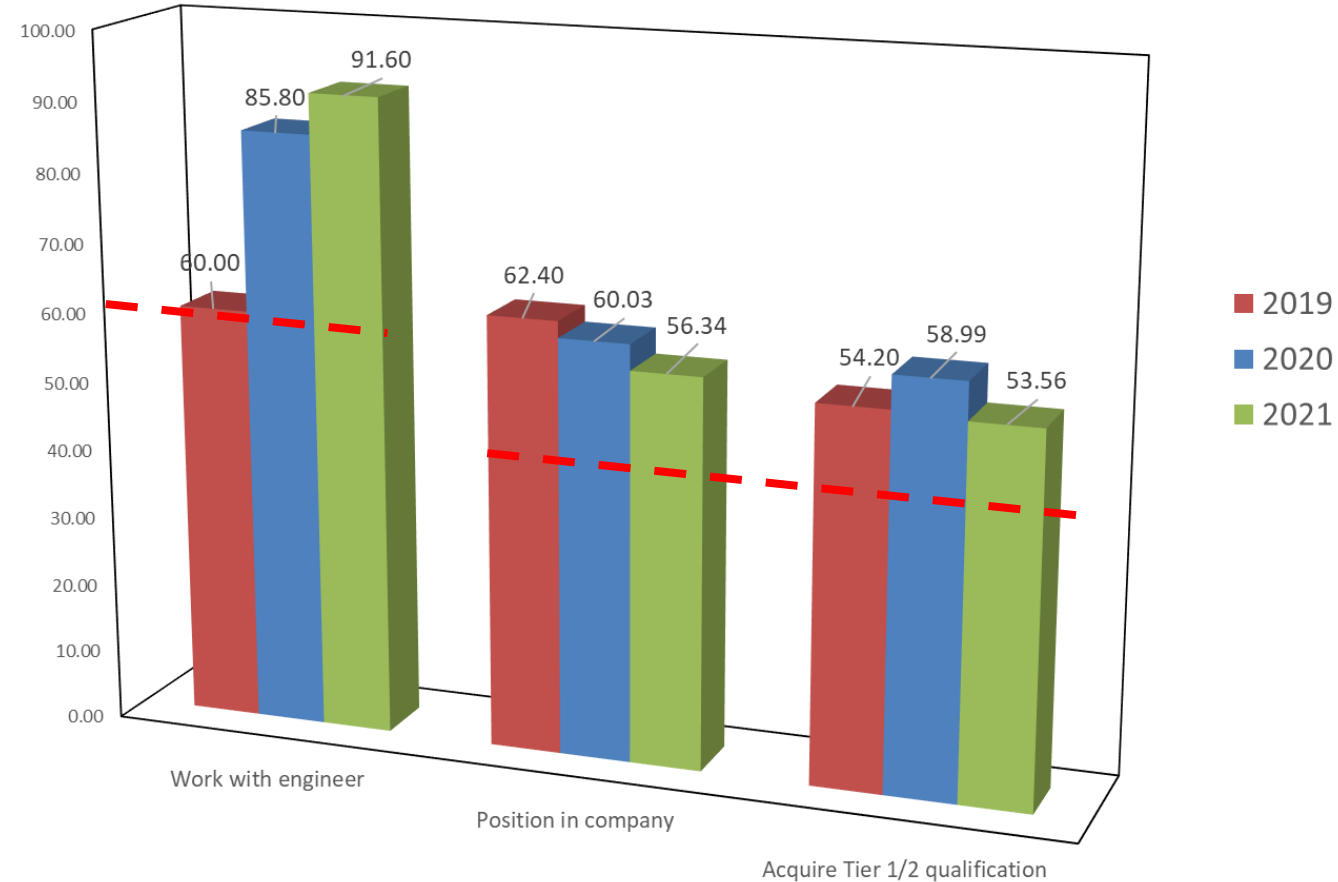
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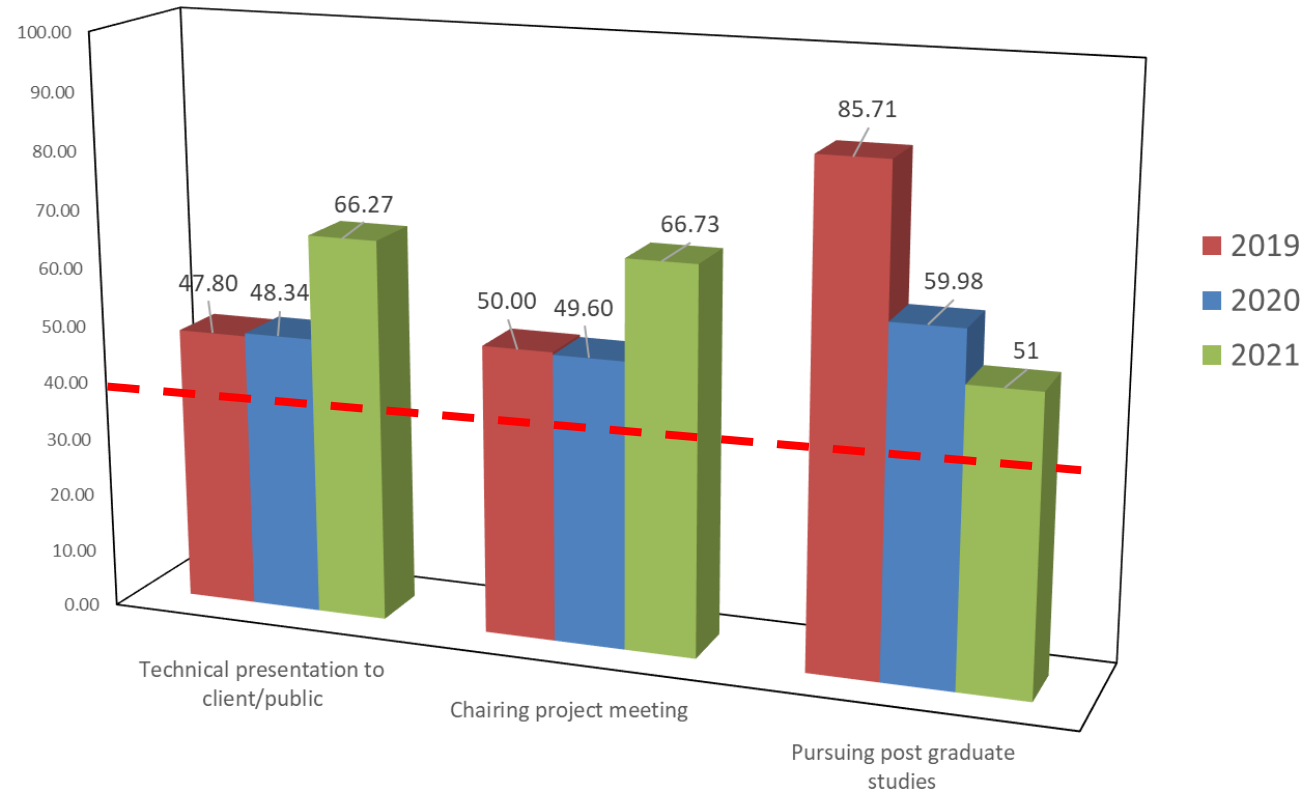
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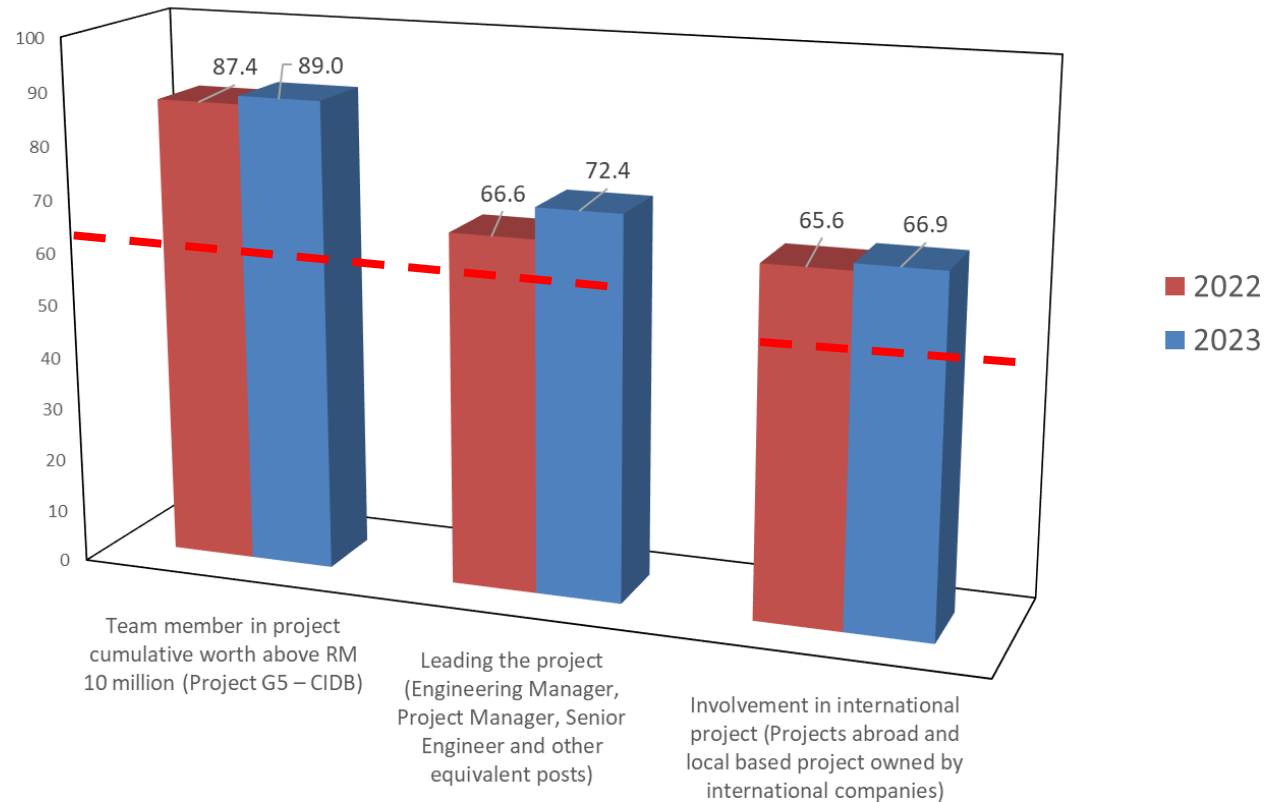
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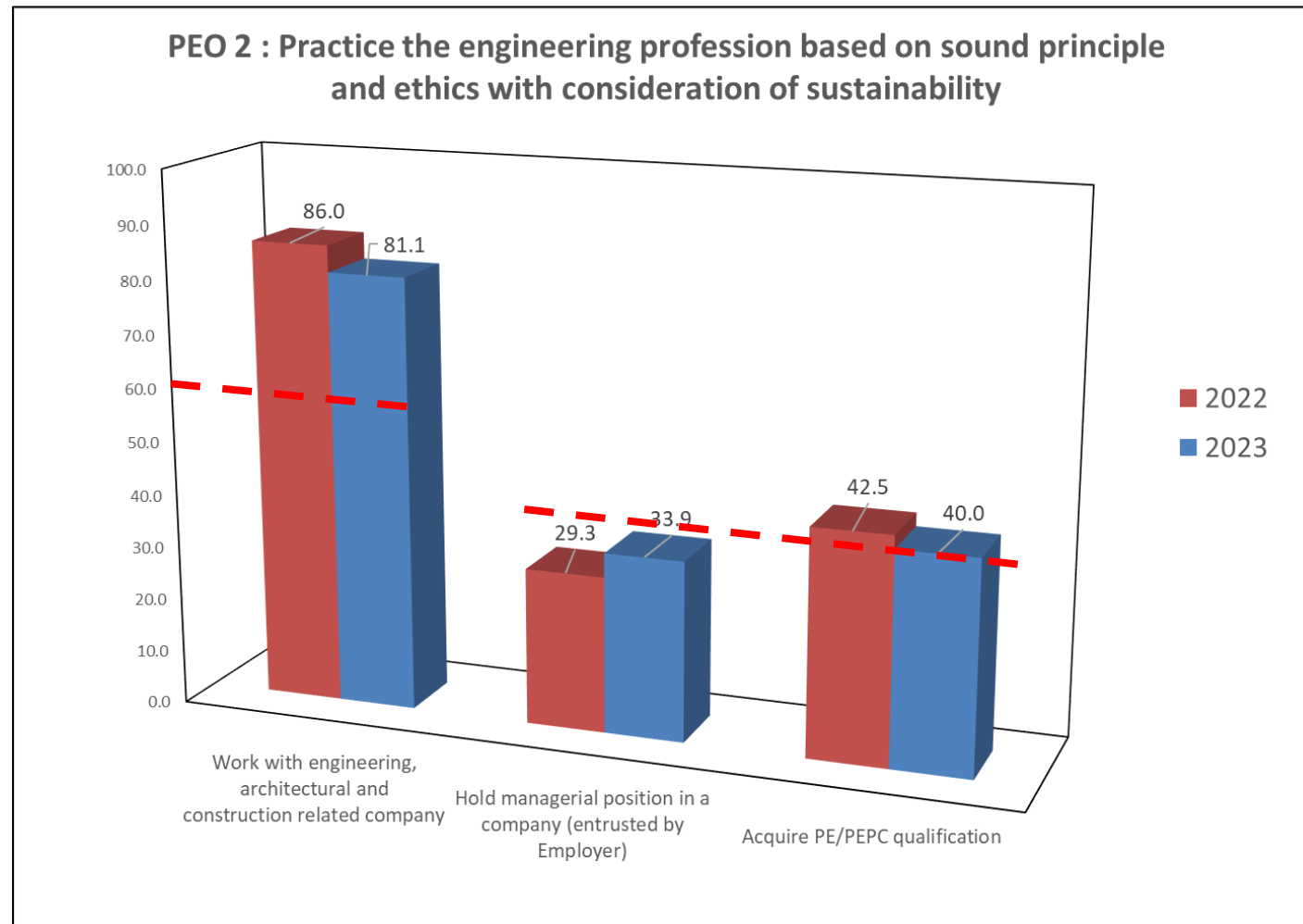
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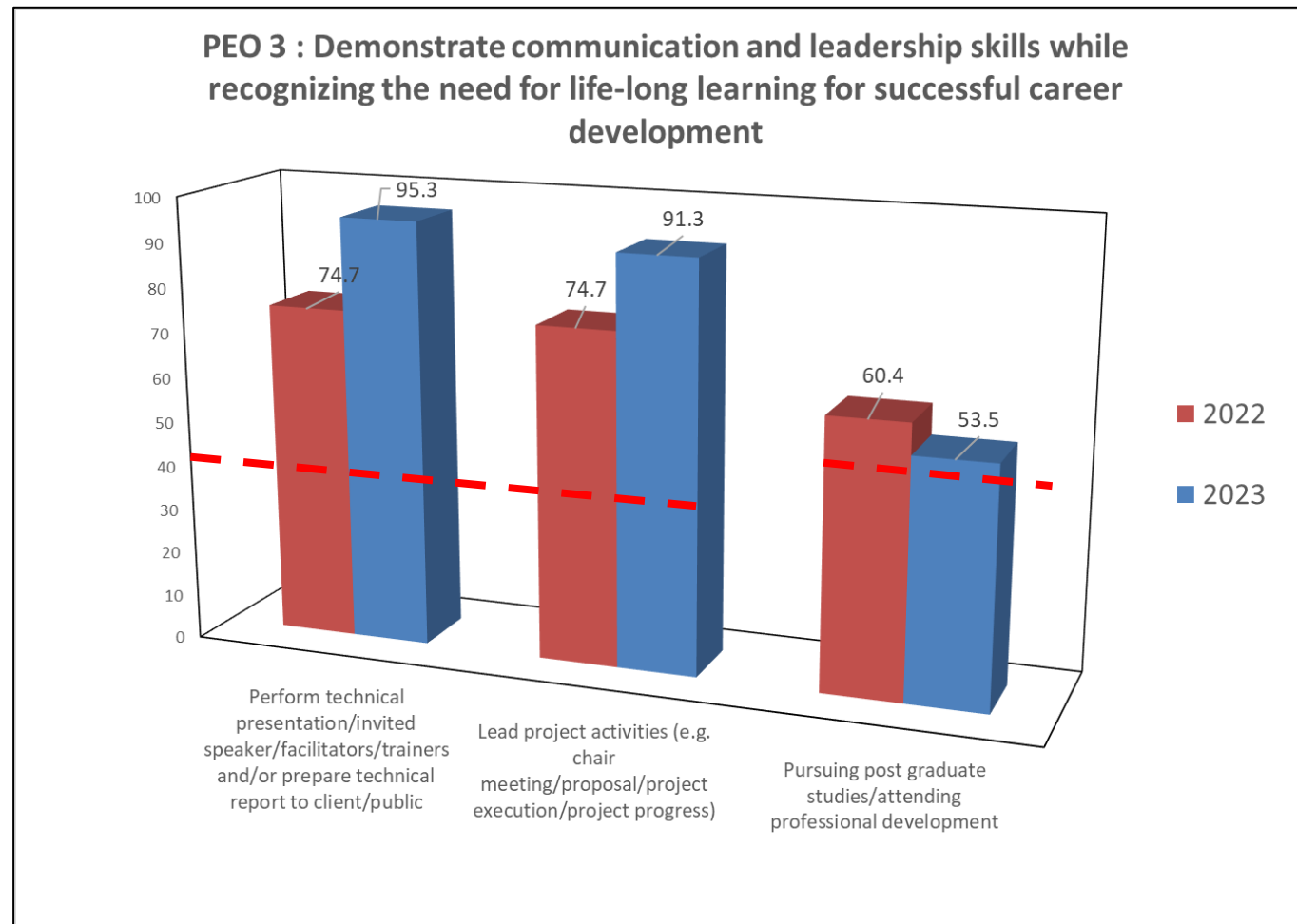
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