Toolkit Donation Q&A

High Gear is aimed at integrating TVET tuition with the needs of the automotive supply chain. As part of the project, High Gear is procuring classroom toolkits to aid practical demonstrations and project-based learning methodologies.

The High Gear initiative fosters collaboration between automotive components manufacturing sector—represented by NAACAM—the Department of Higher Education & Training, and TVET colleges, and is managed by the International Youth Foundation and NAACAM.

Questions	Answers
What is High Gear about?	***High Gear*** is an initiative aimed at improving the design and delivery of mechanical and electrical engineering courses in public TVET colleges, so as to produce graduates whose skills are better aligned to the needs of employers in the automotive sector. Currently operating in two colleges – Elangeni in Durban-Pinetown and East Cape Midlands in Kariega (formerly Uitenhage) – ***High Gear*** works with industry partners to upgrade the content and methodology of the target courses through: • Review of the curricula • Work-based learning opportunities for students • Career guidance for students • Project-based teaching and learning activities • In-service training and coaching for college lecturers by industry experts These enhancements to the curricula are expected to result in more industry-aligned course content and more effective teaching and learning.
About the toolkit	As part of the project-based learning methodology adopted by the High Gear project, toolkits have been created and distributed to Mechanical Engineering and Electrical Engineering lecturers in the above two TVET colleges. These toolkits are to support lecturers with practical demonstration of key engineering principles. Currently, Mechanical Engineering and Electrical Engineering lecturers have been issued with their own toolkits. The call for donation intends to enhance further and replenish existing toolkits. Donations can be for singular items or all items. NAACAM encourages members to contribute to the items required for the toolkits. Additionally, students are able to interact with these toolkits and enhance their practical technical skills.

Toolkit Donation Q&A

Questions	Answers
	There are two types of toolkits: an electrical engineering and a mechanical engineering toolkit. A list of the equipment required for the toolkits is included in Appendix A
How can my company get involved?	Your company can support the initiative via financial donation to cover the cost of the top-up equipment within the toolkits. A list of the equipment required for the toolkits as well as cost is included in Appendix A Companies can donate the cash equivalent of single items or the full list of additional equipment per toolkit

Who are the beneficiaries?	Elangeni TVET college in Durban-Pinetown
	
	• TVET Lecturers
	  ◦ The lecturers are all full-time employees of the college, responsible for teaching the N4, N5 and N6 courses in mechanical and electrical engineering.
	
	• TVET Students:
	  ◦ South African citizens
	  ◦ Between 17 and 25 years of age
	  ◦ With at least an N4 certificate in electrical or mechanical engineering
	  ◦ Interested in a career in the automotive industry
	  ◦ Most are from historically disadvantaged communities.

What benefits can my company claim from donating?	By donating, your company will benefit in the following ways: 1. Grants contribution in cash– 100% recognition value towards SED element of B-BBEE scorecard 2. Long-term development of a skilled pipeline of engineering graduates with strong technical capabilities

To express an interest in donating or for any queries please contact:

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HIGH GEAR – ADD-ON TOOLKIT LIST FOR NAACAM EQUIPMENT TOOLKIT CAMPAIGN AUGUST 2022

Inventory Item	Brief Spec Description	Toolkit	KZN		Total Qty	Unit Cost	Total Cost
			Elect	Mech			
Oscilloscope	0 to 20Mhz Bandwidth	Electrical	13		13	R5500.00	R71 500
New toolkit box	A large stronger box	All – 1 per toolkit	19	7	26	R2500.00	R 65 000
Asynchronous Motor	0.25Kw	Electrical – 1 per toolkit	19		19	R1500	R 28 500
Component Display Board	Various electronic components	Electrical – 1 per toolkit	19		19	R800.00	R 15 200
Transformer	To show how a transformer is assembled	Electrical – 1 per toolkit	19		19	R720.00	R 13 680
Stepper Motor		Electrical – 1 per toolkit	19		19	R300.00	R5 700
Extra Weights	Up to 1Kg	Mechanical – 1 per toolkit		19	19	R100.00	R1 900
Different Beam Material	HDPE Nylon	Mechanical – 1 per toolkit		19	19	R125.00/Beam	R2 375
Multiplug		All – 1 per toolkit	19	7	26	R249	R6 474