

TOOLS AVAILABLE FOR THE HPVC COMPETITORS

E-FEST SOUTH AMERICA 2019



Tools Available to Use

N°	Name of the Tool	Quantity	Available	Portable	Comments
1	Arbor press	1	✓	✗	We do not have the exact tool required, but we have a similar one.
2	Hand drills	1	✓	✓	We have portable and fixed drills.
3	Hand grinders	1	✓	✓	
4	Hand tools (set)	2	✓	✓	There are no toolboxes to transport the tools.
5	Lathe	1	✓	✗	
6	MIG welding	1	✓	✗	
7	Miling machine	1	✓	✗	
8	Plasma cutter	1	✓	✗	
9	TIG Welding	1	✓	✗	
10	Torch	1	✓	✗	We have two types of torch, one for cutting and another for welding.

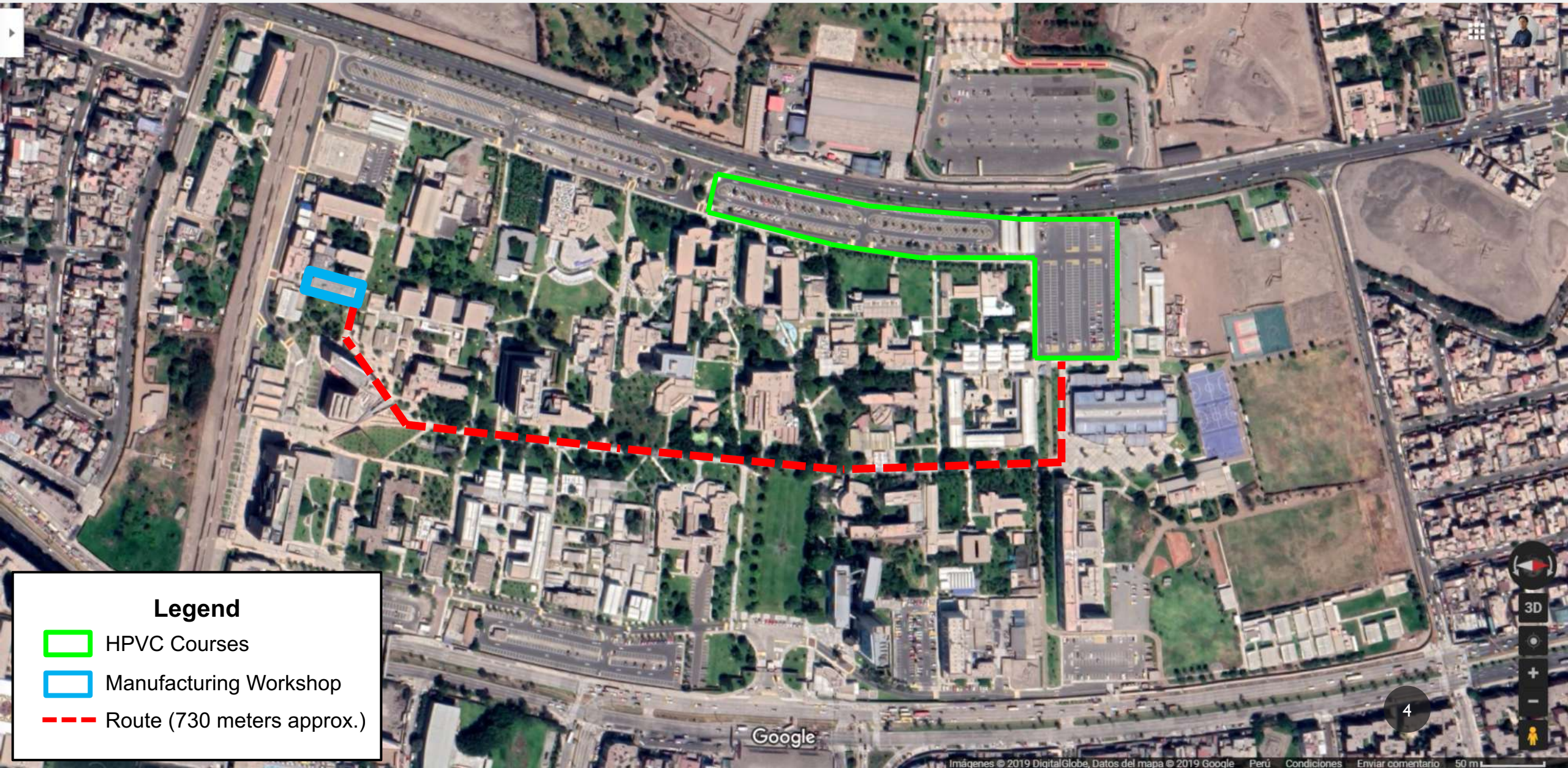
**Note: All the tools shown in this presentation are in the manufacturing workshop of mechanical engineering.*

CONTACT INFORMATION




If you wish to use any of the tools in document during the competition then you should contact the following people

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Location of the Manufacturing Workshop of Mechanical Engineering PUCP



Legend

-  HPVC Courses
-  Manufacturing Workshop
-  Route (730 meters approx.)

Tools Available to Use

N°	Name of the Tool	Quantity
1	Arbor press	1
2	Hand drills	1
3	Hand grinders	1
4	Hand tools (set)	2
5	Lathe	1
6	MIG welding	1
7	Miling machine	1
8	Pipe bender	1
9	Plasma cutter	1
10	TIG Welding	1
11	Torch	1

1. Arbor Press

- Quantity: 1 unit
- Note: This tool is not portable. We do not have the exact tool required, but we have a similar one.



2. Hand Drills

- Quantity: 1 unit
- Note: We have portable and fixed drills.



Fixed Drills

3. Hand Grinders

- Quantity: 1 unit
- Note: This tool is portable.



4. Hand Tools

- Quantity: 2 sets
- Note: These tools are portable, but there are no toolboxes to transport them.



Screwdrivers



Pliers



Wrenchs



Allen Wrenchs



Ratchet wrench and socket set



Hammers and mallets



Pump oilers

5. Lathe

- Quantity: 1 unit
- Note: This tool is not portable.



6. MIG Welding

- Quantity: 1 unit
- Note: This tool is not portable.



Multiprocess Welder (Includes MIG)



*Optional: We also have a SMAW Welder

7. Milling Machine

- Quantity: 1 unit
- Note: This tool is not portable



8. Pipe Bender

- Quantity: 1 unit



9. Plasma Cutter

- Quantity: 1 unit
- Note: This tool is not portable



10. TIG Welding

- Quantity: 1 unit
- Note: This tool is not portable



11. Torch

- Quantity: 1 unit
- Note: This tool is not portable. We have two types of torch, one for cutting and another for welding.

