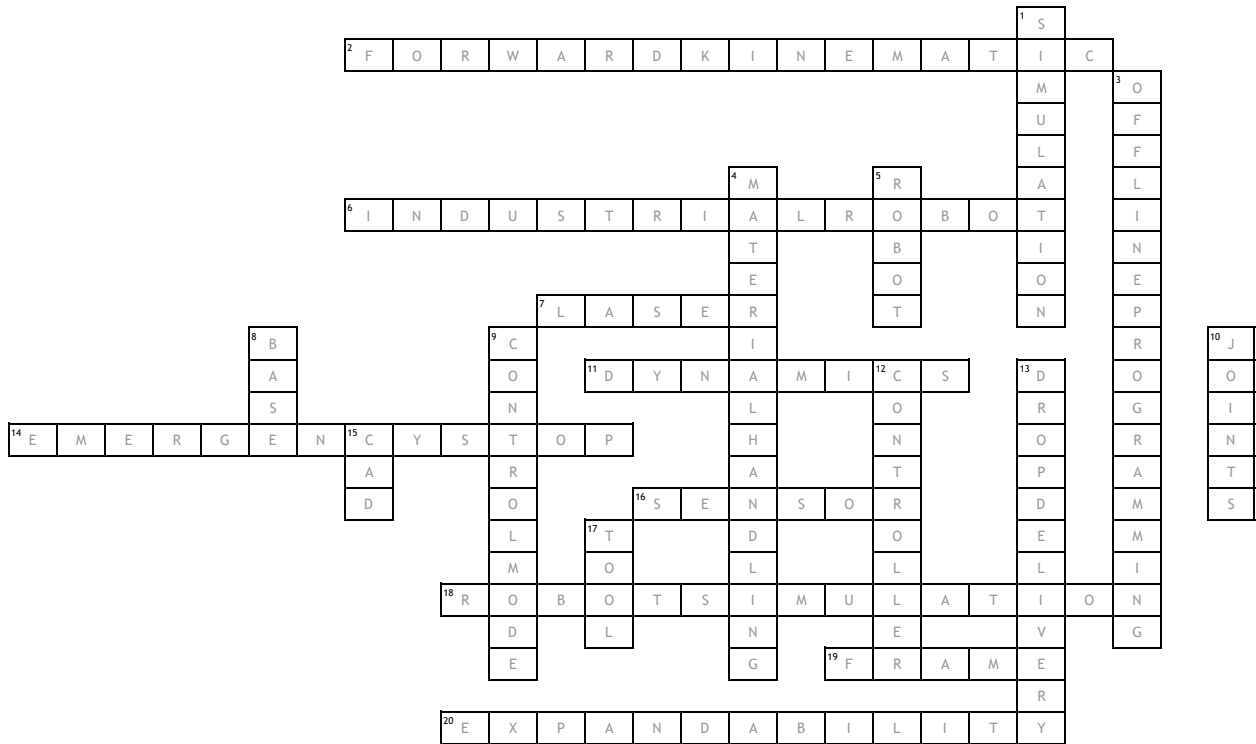


Robotics



Across

- 2. The procedures use mathematical algorithms along with joint sensors to determine its location of a robot
- 6. re-programmable multifunctional manipulator designed to move material, parts, tools, or specialized devices, through variable programmed motions for the performance of a variety of tasks
- 7. This is commonly used as a non-contact sensor for robots. Robotic applications include: distance finding, identifying accurate locations, surface mapping, bar code scanning, cutting, welding etc.
- 11. The study of motion, the forces that cause the motion, and the forces due to motion.
- 14. removes drive power from the robot actuators, and causes all moving parts to stop.
- 16. It help the robot to determine the environment of the robot like light heat.
- 18. predicting the behavior and the operation of a robotic base the look of it
- 19. It can determine a position and orientation of an object in space, as well as the robot's position within its model.
- 20. able to add resources to the system, such as memory, larger hard drive.

Down

- 1. The robot predicting the behavior and the operation of a robotic, kinematics emulation, path-planning emulation, and simulation of sensors. See Sensor, Forward Kinematics, and Robot.
- 3. devices or computers separate from the robot for later input of programming information to the robot.
- 4. industrial robotic arm transfers materials from one place to another.
- 5. It moves and use mostly on this I can work will out it
- 8. It can work without you can build fine and it not being supporter by something
- 9. Follows commands you tell the robot
- 10. I help the robot move it arms or move
- 12. An information processing device whose inputs are both the desired and measured position, velocity or other pertinent variables
- 13. object to the workplace by gravity. Usually, a chute or container is so placed that, when work on the part is finished, it will fall or drop into a chute or onto a conveyor with little or no transport by the robot
- 15. Computer aided design can be say in a short way is
- 17. This items we use to build buildings fix robot house.