Group:	S	TITLE:	Co-operative Robotics Using Environmental Sensors
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			Multiple autonomous robots can often be used to solve tasks more efficiently than a single agent, as well as adding redundancy, and therefore robustness. This project aimed to develop homogeneous co-operative robots which are capable of mapping and searching a maze-like environment without a central control node. Communication between robots is restricted to line-of-sight, simulating conditions which limit telemetric communication. In addition to the design and construction of the robots, a modular test environment was designed and built. The project combines a wide variety of engineering fields including control theory, artificial intelligence, mechanical design, circuit design, and software architecture.