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Name of project: Design and control of a soft robot.

<u>Project summary</u>: Soft robotics is a newly emerging research direction in the field of robotics, and have found many exciting applications such as wearable medical devices and deep-sea plant manipulation. The objective of this project is to design and control a pneumatically actuated soft robot for field navigation applications. The research tasks include robot design and fabrication, strain sensor integration, and robot modelling and control.