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33.1 Introduction The fabrication and integration of miniaturised mechanical components with microelectronic components have spawned the technology known as microelectromechanical systems (MEMS). This technology is enabling the benefits of microelectronic fabrication to

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be extended to sensing and actuating functions.

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10.1 Introduction Microelectronic devices, packaging designs, and materials have dramatically improved over the past decades. Integrated circuit (IC) chips are now much smaller and faster, and the packaging is more efficient, reliable, and cost effective.

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## **Microelectronics - an overview | ScienceDirect Topics**

- As the name suggest ue related to the study and manufacturing(fabrication) of very small electronic design & components. These device are made of semiconductor materials. Microelectronics include active(transistors & diodes) and passive(R,L,C) components.

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## **ECE541/ME541 Microelectronic Fabrication Techniques**

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