

Name: Anita Gupta

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Date of joining: 15 September 2020

Supervisor: Professor Santanu Sharma

Laboratory: Yes

Area of Research: Bioelectronics Devices

Summary: The ongoing miniaturization of semiconductor devices is leading to new opportunities in biomedical research and commercial medical applications. The vital utilization of biosensors in different domains has led to the design of much more precise and powerful biosensors, since they have the potential to attend information in a fast and simple manner compared to conventional assays. Among various biosensors, the field effect transistor (FET) based biosensors have shown much more potential and immense advantages such as high deduction ability and sensibility for both neutral and charged biomolecules.

Experimental Set-Up: Yes

