**About IEEE Student Chapter, DIT University:**

The IEEE Student Chapter of DIT University brings under its umbrella some of the smartest, coolest and geekiest tech freaks on the campus. The chapter has its doors open to just about anybody who has the willingness to LEARN. The vision is not to mentor these individuals into technically sound individuals alone, but also to groom them into dynamic team players, who will in turn mentor their peers and juniors and keep the cycle going. Members exchange ideas and thoughts, interact, seek and extend support, and collaborate on projects. In this way, the chapter is very much a closely knit family.  Keeping in line with the motto of IEEE: ‘Advancing Technology for Humanity', the chapter works to develop a sense of appreciation among students towards electronics, computer science and related fields. Going beyond the standard textbook approach, it conducts several workshops and events to let students get hands-on experience with technically relevant hardware and software, which may also be important from the industrial point of view. It works in close coordination with the Google Student Community of the university.

**Activities-**

* Raspberry Pi + Machine Learning
* Design Thinking
* Cyber Security
* PCB and Embedded Workshop
* In-house training program( machine learning, embedded, image processing, etc)
* Big O (Workshop+ Competition)
* PCB Workshop
* Image Processing using open CV

**Projects undergoing-**

* Quadcopter We’re trying to build a real time data acquisition drone which can be remotely maneuvered.
* INDIA’S DIGITAL FOOTPRINT Quadcopter It’s Google Student Community’s campaign about making India Digitally Alive one city at a time. In support with Indian Government’s Digital India Campaign, it promotes Digital Marketing and Online Business Management.
* DIGI CLUBS “Information should be available freely to everyone” With the Digi-Clubs project we aim to give all the clubs in a college a single platform where they can share about their inspiring projects and other works. Anything can be shared from Events and Meetings to Project Stories. We believe, every unnoticed event is a missed opportunity!
* Micromouse We’re trying to build intelligent a bot solving the complex maze in less time very efficiently.
* LED cube, the intensity of led’s varies with equalizer settings of music connected to it.