

## Minor Programme in Electronics

The all-pervasive presence of electronics and embedded systems in every engineering application and walk of life requires an aspiring engineer to acquire an increasingly cross disciplinary proficiency and skill set. The Minor in electronics is specifically designed to enable the students from the non-circuit disciplines develop their basic competence in electronics and embedded systems relevant to their major disciplines, enhancing their career opportunities.

### About School of Electronics:

The School of Electronics offers undergraduate, postgraduate and doctoral programs. The curriculum structure and content is designed by experts from academia and industry. The curriculum encompasses core electronic engineering courses and flexibility for a student to focus on desired areas of expertise among the three verticals namely VLSI systems, Embedded systems and Communication systems. School has well established processing and system lab with specialized laboratories in the area of computer vision, VLSI, automotive electronics, networking and communication. We have collaborative projects with BOSCH, Continental, DST, IDH, DRDO, KPIT, MMRFIC and startups to name a few. Student forums like IEEE student chapter, Robotics club offers the opportunities for the students not only to develop technical skills but also to showcase their technical talents through seminars, workshops and exciting competitions.

### Objectives:

To enable students,

- Understand the fundamentals of Electronics through courses on analog and digital design, signal handling and embedded systems.
- Analyze, interface and control issues required for present day system design and applications.
- Prepare for technical aspects of electronic related areas, focusing more job opportunities and advanced studies.

For the minor, 15 credit hours are required. Students outside the school of Electronics must complete this between IV to VI semester including summer term:

Academic batch 2019-23	4 <sup>th</sup> Semester	Summer Term-I (4S)	5 Semester	6 Semester	Summer Term-II (6S)
	Analog & Digital circuits (2-0-1)	Signal handling & Data Acquisition (2-0-1)	Embedded Systems (3-0-1)	Elective focusing on eligible discipline (2-0-1)	Project (0-0-2)

**Program Delivery :** Course with (2-0-1) weekly 2 sessions of 2 hrs and course with (3-0-1) weekly 3 sessions of 2 hrs each along with lab sessions.

### Guidelines and Important Dates:

- Target Disciplines: **Mech., Civil, CS, A&R.**
- Intake: **40 seats**
- Eligibility: Applicants must have CGPA  $\geq$  6.75 (I & II Semester) without any backlogs  
Lateral Entry Applicants must have SGPA/CGPA  $\geq$  6.75 (III Semester) without any backlogs
- Last Date for Submitting Application: **March 27, 2021**
- Notification for Selected Students: **March 30, 2021**
- Last date for Registration: **April 1, 2021**
- Minor Degree Fees : **20,000/-**

<b>Department Coordinator</b> <b>Name: Raghavendra M. Shet</b> <b>Designation: Assistant Professor</b> <b>School/ Department/Center: School of E&amp;C</b> <b>Email: raghu@kletech.ac.in Ph: 9886659327</b>	<b>Head of the School/Department/Center</b> <b>Name: Dr. Nalini C Iyer</b> <b>Designation: Professor and School Coordinator</b> <b>School/ Department/Center: School of E&amp;C</b> <b>Email: nalanic@kletech.ac.in, Ph: 0836-2378250</b>
<b>Google Link for Application form <a href="https://forms.gle/CEd6p7zGGyMpdCTS8">https://forms.gle/CEd6p7zGGyMpdCTS8</a></b>	
<b>Coordinator of Minor Programmes</b> <b>Dr. Anil S Badiger, Professor, School of Mechanical Engineering</b>	