15th November 2016

# Under Graduate Minor Degree Programme

KLE Technological University strives to produce Engineers with multidisciplinary skills and abilities, to succeed in the technologically complex world. Earning a minor degree along with engineering major degree is a great way to broaden education, enhance technical, managerial and business skills. Minors are intended to encourage and officially acknowledge the attainment of a fair measure of expertise and knowledge in more than one academic field, with the goal of broadening a student's education, and have an advantage in the competitive job market.

**Minor Degree Programmes offered during the year 2016-17:**

| Sl. | Minor | Offering School / Department / Center | Eligible Students (II Semester) | Brief information about the Minor | Coordinator |
|---|---|---|---|---|---|
| 1 | Entrepreneurship | CTiE | All branches | The minor in entrepreneurship enables students to ideate, build and grow their own start-ups through experiential learning<br><br>Value Proposition:<br><br>• Rigorous mix of theory and practice<br>• Interactive learning environment through team-based projects/ activities<br>• Facilitates Networking, interaction with entrepreneurs and investors<br>• Help build start-ups | Mr Praveen H. J. |

| 2 | Computer Science & Engineering | School of Computer Science | All branches, except CSE | Minor in Computer Science & Engineering is designed for students aspiring to equip themselves with computing knowledge to enhance and compliment their major disciplines. Ubiquitous nature of computing which demands this knowledge from every aspiring engineer, offers better career opportunities. | Prof. Shankar G. |
| 3 | Electronics | School of Electronics | Mech., Civil, CSE, A&R. | 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 to develop their basic competence in Electronics relevant to their major disciplines, enhancing their career opportunities.<br><br>**Objectives:**<br><br>• Understand the fundamentals of Electronics through courses on analog and digital design, signal handling and embedded systems.<br>• Analyze, interface and control sub-systems required for present day system design and applications.<br>• Prepare for technical competence in | Mr Raghavendra M. Shet |

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| | | | electronics, focusing on better job opportunities and advanced studies. | |
| 4 | Innovation and Product development | Centre for Innovation and Product Development (CIPD) | All Branches | The goal of Minor in Innovation and Product development is to educate next generation of product developers and innovators — people who are able to work across domains and industries, identify convergences, and create impact through innovative designs and product development. Our students will develop capability for taking a unified approach to solving problems, drawing on skills from engineering, marketing, and business analytics. | Prof Ravi Guttal & Mr Ashwin R Kubasadgoudar |
| 5 | Robotics | Dept. of Automation & Robotics | All branches except A&R | The Robotics minor aims to provide a fundamental understanding of the field of robotics to undergraduate students interested in pursuing careers or graduate degrees in this field, or in acquiring a multidisciplinary education. The field of robotics integrates sensing, information processing, and movement to accomplish specific tasks in the physical world. Applications of this field appear in many areas including manufacturing, disaster recovery, space exploration, ordinance disposal, deep-sea navigation, home-care and home-automation. | Mr Shridhar Doddamani |

- This program extends for a period of **two years** & will run concurrently with the regular BE program, starting from the

**KLE** Technological University
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IV semester.

- The minor degree programme shall consist of 5 courses with a minimum of 15 Credits as specified by the School / Department / Centre offering the minor.

- Minors must be in a field(s) outside of a student's major field(s).

- Students can register for only one minor.

- Number of seats available for each minor degree programme: 30 /40 as decided by the offering School/ Dept. / Centre.

- Students can contact the Faculty Coordinator of School / Dept. / Centre for any clarifications.

**Eligibility for applying to Minor degree programme:**

- Students should have minimum CGPA of 7.5 without any backlog.

**Fees for the Minor degree program:**  Rs 20,000 payable in two instalments of Rs 10,000 per year.

## Applications are invited from the students of III semester.

- **Last date for submitting hard copy of application to the offering School / Dept. / Centre:** 24th Nov 2016.

- **Announcement of Selected list of candidates**: 29th Nov. 2016.

- **Payment of fees by selected students**: 12th Dec 2016.

**Download Application Form for Minor Degree Programme --- link**

**Registrar**
(KLE Tech University)