KLE Technological University
Creating Value
Leveraging Knowledge

KLE TECH

ANNUAL
REPORT
2018-19

Vidyanagar
Huballi (India)
www.kletech.ac.in

Our Parent Organization:

Karnataka Lingayat Education Society (KLE Society)

Initiatives by private organizations and dedicated individuals have played a critical role in the growth of higher education in India. In 1916, a dedicated group of individuals enabled a dream. Their vision was to create a strong education base in the neglected areas of North Karnataka and Maharashtra. This resulted in establishment of KLE Society on 13th November 1916 at Belgaum. This Society was started by seven dedicated teachers and three generous patrons. Their mission was to provide education, basically to the children of the farming community who constitute a significant majority in Karnataka. With the strong support by philanthropists and intellectuals of the area, the KLE Society started to grow, and today, it has become an important entity in the educational scenario of the country.

Apart from establishing educational institutions, the KLE Society has earned the distinction in the field of health care and other community services. It has entered into collaboration with universities abroad in USA, UK & Malaysia. Through its 264 institutions, KLE Society is rendering services in the areas of:

- Health Care and Medicine
- Engineering and Technology
- Management Studies
- Agriculture
- Arts, Science and Commerce
- Teachers training
- Primary and secondary education
- Law

With a visionary leadership of Chairman Dr. Prabhakar Kore, and members of Board of Management, the society's institutions serve more than 1,25,000 students. Over 16,000 dedicated faculty and staff work together to meet the high standards set by the management.

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Foreword

We are proud to present the fourth annual report of KLE Technological University, Hubballi, for the year 2018-19. This report summarizes the achievements and progress we have made over the last year to improve our academic offerings and student services.

Our faculty is making progress towards providing a truly world-class learning environment by adopting holistic curricular reforms and innovative pedagogical practices. We are working hard to create a dynamic research environment to promote research excellence. This year, we embarked on a significant examination reform initiative that has been recognized by the AICTE and asked our team to spread it across the country.

We would like to extend our sincere thanks to our faculty, staff, students, alumni and industry partners for their continued support and remarkable contributions. Looking ahead, we will continue to work towards realizing our vision to be a leader in engineering education, and advancing research and innovation to support socio-economic development of the region.

Dr. Ashok S. Shettar
Vice Chancellor

Dr. Prabhakar Kore
Chancellor

Introduction

KLE Technological University (KLE Tech) has its roots in one of the premier engineering institution of Karnataka, B. V. Bhoomaraddi College of Engineering and Technology, Hubli (BVB). The founding organization KLE Society, Belgaum, established BVB College in 1947 with an aspiration of creating an institution that would lay the foundation of modern engineering education in northern region of Karnataka. Over the years, it evolved to reach and hold a unique position of pride in the technical education system of India. As we entered into the 21st century, the college undertook comprehensive reform process to adapt to the challenging global engineering education scenario. In pursuit of academic excellence, the College attained academic autonomy from University Grant Commission (UGC) in the year 2007. As an autonomous College, BVB established its distinctive character in the academic space through its curriculum and outstanding student experience. Over the time it gained tremendous credibility with the industries and employers and emerged as a brand to reckon with. The Alumni of the Institute have done exceedingly well in all spheres of life at both national and international levels and brought name and fame for themselves as well as to their Alma Mater.

The times have changed, and the higher educational institutions need to continually innovate to maintain and enhance their relevance to meet the ever changing demands of global economies. Apart from delivering good quality education, the institutions are expected to develop their capacity in research and innovation. They also need to undergo a fundamental transformation in terms of their role in the society, mode of operation, and economic structure and the scale at which they operate.

Keeping the above challenges in mind BVB College of Engineering and Technology, undertook strategic initiative of transforming itself into a University of national distinction. In 2014 the College was recognized as a state private University by Government of Karnataka. The rich heritage of BVB College as one of the best engineering college combined with brand equity of KLE Society are the starting points for KLE Technological University to emerge as a University with a national distinction.

KLE Technological University has received 2f status from the UGC.

Student Enrollment

Admission Process

The University does not conduct a separate test for the admissions. The admission to the programs of University is based on the Government of Karnataka rules for professional education institutions. The following is the mode of selection of students for admissions (as per rules of Government of Karnataka).

1. Common Entrance Test (CET) by Karnataka examination Authority (KEA): Admission to 45 % of seats are done by government of Karnataka based on CET ranking and reservation policies of the state. The seats are distributed through central counseling done by KEA. For the aided intake the 95% of the seats are allotted by the KEA. Equal weightage is given to score in CET entrance test and qualifying examination score, while allotting the ranks.
2. All India Examination conducted by the Consortium of Medical, Engineering & Dental Colleges of Karnataka (COMED-K): Admissions to 30 % of seats in unaided courses are done on the basis of COMED-K-rankings. The seats are allotted by COMED-K through central counseling. Equal weightage is given to score in COMED-K entrance test and qualifying examination score, while allotting the ranks
3. The remaining 5% seats in aided courses and 25% seats in unaided courses are filled as management seats on the basis of academic records of qualifying examinations.

For post graduate programs, Post Graduate Common Entrance Test (PGCET) conducted by Karnataka examination authority, is used for the selection of students.

Undergraduate Programs

Sl.No.	Programme	Sanctioned Intake
1	Civil Engineering	120
2	Mechanical Engineering	240
3	Electrical & Electronics	120
4	Electronics & Communication	300
5	Computer Science & Engineering	300
6	Automation & Robotics	60
7	Bio Technology	60
8	Architecture	80
		1280

Postgraduate Programs

Sl.No.	Programme	Sanctioned Intake
1	Structural Engg.	18
2	Production Management	18
3	Energy Systems Engg.	18
4	Computer Science &Engg.	24
5	Digital Electronics	24
6	VLSI Design & Testing	24
7	Machine Design	24
8	Master of Computer Application	60
9	Master of Business Administration	60
		270

Research Programs

Sl.No.	Programme
1	School of Civil and Environmental Engineering
2	School of Computer Science & Engineering
3	School of Electronics and Communication Engineering
4	School of Mechanical Engineering
5	School of Management Studies and Research
6	Department of Electrical and Electronics Engineering
7	Department of Humanities & Social Science
8	Department of Biotechnology
9	Department of Physics
10	Department of Chemistry
11	Department of Mathematics
12	Center for Engineering Education Research

Student admissions for the year 2018-19 - UG

Department	Admissions
Architecture	78
Bio Technology	55
Automation & Robotics	64
Computer Science & Engineering	313
Electronics & Communication	305
Electrical & Electronics	122
Mechanical Engineering	242
Civil Engineering	118

Year	Total
2017-18	1106
2018-19	1256

Student admissions for the year 2018-19 - PG

Department	Admissions
Machine Design	19
VLSI Design & Testing	18
Digital Electronics	18
Computer Science &Engg.	20
Energy Systems Engg.	3
Production management	5
Structural Engg.	19

Year	Total
2017-18	98
2018-19	99

Program	Admissions
MBA	55
MCA	51

Year	Total
2017-18	117
2018-19	106

Student Enrollment 2018 -19
- UG 4536
- PG 475

Student Gender Distribution (UG) 2018 -19
- Male 2907
- Female 1629

Academic Quality

Engineering education is going through a profound transformation driven by the new realities and opportunities created by the global knowledge society. To ensure the fitness of higher education system to negotiate new challenges, adaptation of proper academic frameworks and strategic interventions are necessary. Outcome Based Education (OBE) framework has emerged as a major reform model in the global engineering education scenario and has been mandated for accreditation of engineering programs for the Washington accord signatories. The OBE approach is based on a student centered learning philosophy and focuses on the output (outcomes) instead of the input (content). KLE Tech reform process by adopting OBE framework. The framework gives us an opportunity to build a culture of continuous improvement that strengthens our academic quality and inspires student achievement.

The initiatives undertaken to enhance the quality of education and student performance are presented under following three tenets of academic quality

Advances in Curriculum

Faculty Development

Student achievements

Advances in Curriculum

The curriculum of all the programs offered by KLE Tech are designed understanding the expectations of the stakeholders. Outcome Based Education (OBE) framework is used to design the curriculum. Each program has formulated Program Outcomes (POs) in line with Graduate attributes of NBA. These POs describe what students are expected to know and be able to do by the time of their graduation. These POs relate to the knowledge, skills, and behaviours that students acquire as they progress through the program. The courses designed for the programs are aligned to the expectations of POs.

Learning experiences in each of the programs are created focusing the millennial learner. Problem solving skills, research and entrepreneurship are embedded in the curriculum through a host of program core, program elective and open elective courses. Active, blended, collaborative, experiential and project based learning (PBL) practices are used bringing student to the centre of teaching – learning process. Assessment and evaluations are done aligning to learning outcomes to inform both the learner and the system. The frame work adopted by the University is depicted in the Figure below.
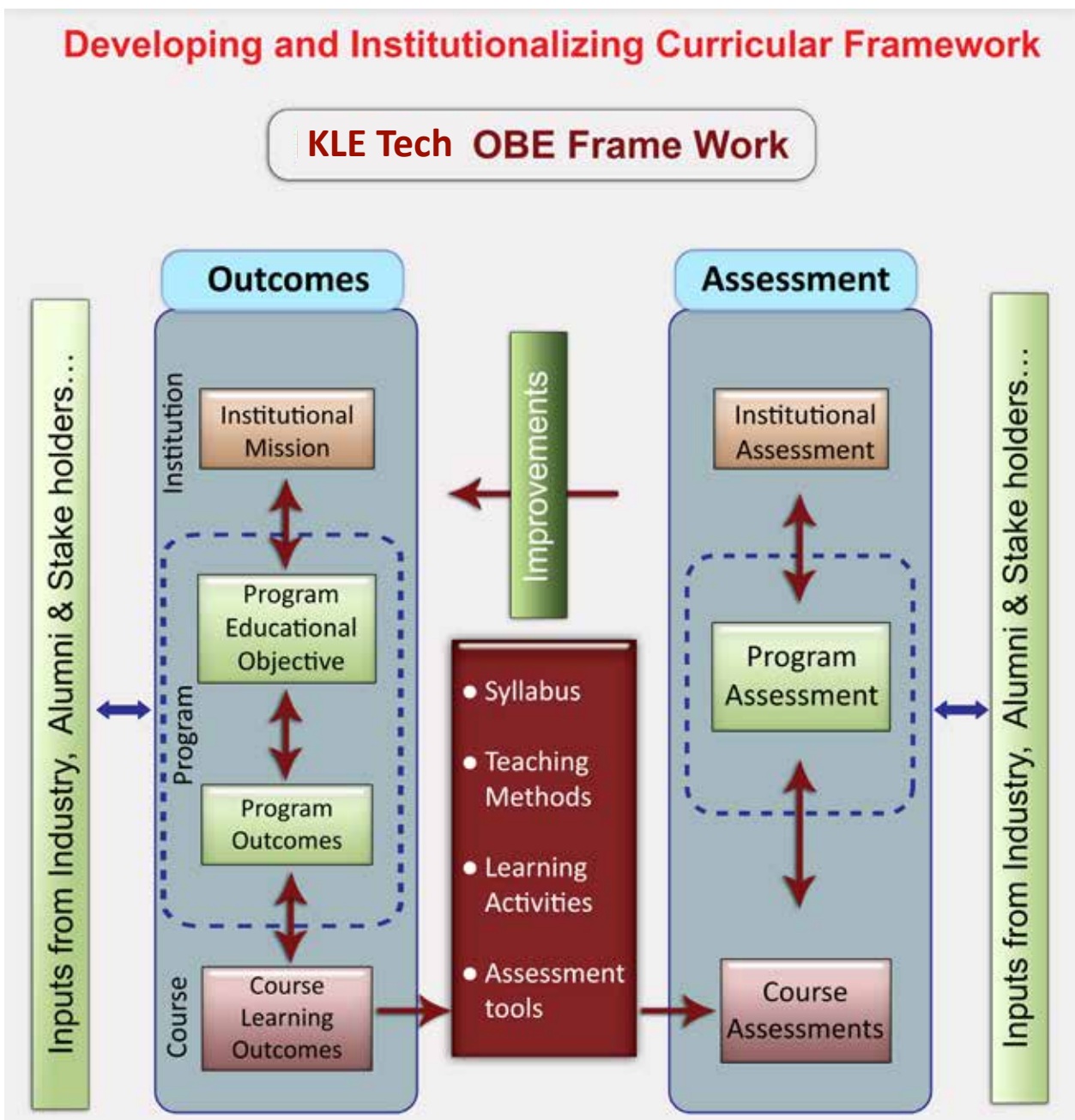
Major Academic initiatives Undertaken:

During the academic year 2018-19 following are the major academic initiatives undertaken to improvise the teaching and learning process.

School of Architecture

CLIMATOLOGY LAB

At School of Architecture, We are constantly in pursuit of new and innovative methods of learning for our students. We strive to bring in the latest and technically logical infrastructure for the benefit of our students. One of our record additions is the "CLIMATOLOGY LAB". Currently we have established one of the best setup for the climatology lab and can be easily ranked among the best in the country.

Climatology lab acts as a space, where students can analyze and test their design ideas through various methods and equipment's available at our lab. Apart from the physical testing /measuring equipment, we also have set up high end computer system with most comprehensive and latest software's available for design analysis in the market. One of the software that we are offering has a special importance and significance for SOA. This is because the implementation of this software actually will help us to set the trend for other colleges to follow. We have purchased – IES VE software (Integrated Environment Solution – Virtual Environment). Presently we are the only School of Architecture in Karnataka and perhaps only the 3rd in the country to have acquired and implemented this state of art software system; recently we also have trained our entire faculty on this software to lead the students by example.

At present we have 250sq.ft of space dedicated for climatology lab and boast of having testing / measuring equipment such as Testo 540 Lux Meter (measuring Daylight) , Anemometer (measuring Air temperature ,and wind speed), Testo 815 Decimeter (measuring sound levels), Testo 625 (Hygrometer – measuring Dry bulb Temperature , Wet bulb temperature and Humidity level in air) , Testo 925 (measuring surface temperature of materials)and 3 sensors for measuring the air temperature and surface temperature. We have also procured Rain gauge for measuring rain fall and wind vane to check wind direction pertaining to ISO Standards.

We also have 4 dedicated computers and one high end analysis system to help students analyze, iterate, test and explore design possibilities during their regular semester design studios.

Master of Computer Applications

New courses introduced

DevOps

GIT, Chef, Amazon Cloud, Puppet, Jenkins, Docker.

The main reason behind DevOps' popularity is that it allows enterprises to create and improve products at a faster pace than traditional software development methods. Because of this there is a lot of demand for DevOps Professionals. To enable the students in this direction, DevOp course is introduced.

Machine learning (ML) & Data Mining

Neural Network, Supervised Learning, Unsupervised Learning, Deep Learning.

Machine Learning is gaining popularity because of rich data sources available to build models to solve problems in high-dimensional space and then integrate into working software to support the kinds of products now being demanded by industry. To enable the students in this direction, Machine Learning & Data Mining courses are introduced at higher semesters.

RESTful Web Services

REST is the most logical, efficient and widespread standard in the creation of APIs for Internet services. REST is any interface between systems using HTTP to obtain data and generate operations on those data in all possible formats, such as XML and JSON. It is widely used in industry to develop lightweight, fast, scalable web services. To enable the students in this direction, RESTful Web Services course is introduced.

RESTful Web Services: Web and Its Inhabitants , Web Service Clients, RESTful Services Different, Resource-Oriented Architecture, Read-Only Resource, Read/Write Resource, Service Implementation, REST and ROA Best Practices, Building Blocks of Servicesm, Ajax Applications as REST Clients.

Full Stack Development –MEAN

The age of the generalist has arrived - a technical person who is a "know all", has a wealth of information and experience handling all the technologies (stack) required in software or application development - is the new rock-star. And he is known as a "full stack developer." To develop expertise to handle all technologies, the full stack development- MEAN is offered.

Full Stack Development –MEAN.: Building an Express Web Application, MongoDB & Mongoose, User Authentication, MEAN CRUD Module

Blockchain Technologies

Business applications of blockchain technology are ever increasing across industries from banking to healthcare. The transparency and innovativeness of blockchain applications are revolutionizing several business models. The most widely used practical implementation is in cryptocurrencies and digital identity management. It deals with open decentralized database transaction involving money, goods, property etc.

Blockchain Technologies: Cryptography in Blockchain, Networking in Blockchain, Cryptocurrency, Blockchain Security.

Computer Network Lab

Hands on training in design, troubleshooting, modeling and evaluation of computer networks is provided as lab component. It offers opportunities to build some simple network models using tools and perform simulation.

Computer Network Lab: Cabling Connectors Switching and Routing, Configuring IP4 & IP6 Comparing different supported LAN cables & Connectors, N/W traffic Simulation of layers, Simulation of application protocols

Faculty Development Programmes

Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year 2018-19

Year	Name of the teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which	Amount of support (in INR)
2018-19	Mahesh Patil, JGN, SGK, PT, IB, GK & AM	Workshop on "AI & Deep Learning" held at Pune, during 13-15 June 2018 BP 310.	Workshop	33028.00
2018-19	Kiran Patil + Minal Solunke	Workshop on "RECENT TRENDS IN POWER SYSTEMS" at B'lore during 18-19 Dec 18. BP 284.	Workshop	18380.00
2018-19	Sachin Angadi	Workshop on "Industry Incubation Electric at New Horizon Engineering College" at Banglore on 11/07/2018.	Workshop	5545.00
2018-19	Jyothi Ravikumar	Workshop on "Cyber securities" at REVA University , BLR held during 23-27 July 2018	Workshop	12945.00
2018-19	Vishwanath G + Rohit K	Workshop on "Multimedia forensics" held at NIT Rourkela dyuring 2-6 July 18.	Workshop	25640.00
2018-19	Prema M	Workshop on "National Builing Code of India 2016 & Revised Seismic Codes: Impact on Design Construction & Safety of Building " held at Goa during 27-28 Apr 18.	Workshop	7646.00
2018-19	Fatheali A Shilar	Workshop on "Student Induction Programme" at KLS Gogte Belagavi during 7-9 June 18.	Workshop	2090.00
2018-19	Prema Malali	Workshop on " Student Induction Programme" at KLS Gogte Belagavi during 7-9 June 18.	Workshop	1540.00
2018-19	Rohini Hongal	Workshop on "Women in Cybersecurity Research"(WCR 18)held at Trivendrum during 25-26 May 18.	Workshop	9335.00
2018-19	Rajeshwari M	Workshop on "Women in cybersecurity research" (WCR 18) held at Trivendrum during 25-26 May 18.	Workshop	9335.00
2018-19	Prema M	Workshop on " National Programme on Technology Enhanced Learning" (NPTEL) held at Belagavi during 29 04.18.	Workshop	1270.00
2018-19	Fatheali S	Workshop on " Recent Trends in Geotechnical Engineering & its Applications" held at KLEIT & IGS hubli during 9-11 May 18.	Workshop	850.00
2018-19	Shivaraj Halyal	Workshop on "Recent Trends in geotechnical Engg & its Applications" held at KLEIT & IGS hubli during 9-11 May 18.	Workshop	1050.00
2018-19	Shashwath Nanjannavar	Workshop on "National Building Code of India and Revised Seismic Codes: Impact on Design Contruction & Safety of Building" held at GOA & BIS during 27-28 Apr 18.	Workshop	6139.00

Year	Name of the teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which	Amount of support (in INR)
2018-19	Basangouda I Patil	Workshop on "National Building Code of India and Revised Seismic Codes: Impact on Design Contruction & Safety of Building" held at GOA & BIS during 27-28 Apr 18.	Workshop	6139.00
2018-19	N R Banapurmath + Anand H	Nat Workshop on " Aiming for Excellence: Pathways to Institutional Advancement through Research" held at Oxford Coll B'lore during 15.03.18.	Workshop	5848.00
2018-19	Vinay M + G Jyothi + A Madhu	Workshop on "IUCEE International Engineering Educator Precertification " during 7-11 Feb 18 at Kurnool AP.	Workshop	21626.00
2018-19	Anil R Shet	Workshop on " Design and Manufacturing Aspect of Fermenter" at NMAM NITTE from 6-9 Feb 18.	Workshop	2600.00
2018-19	M C Chowkimath	Workshop on "VLCI" held at Belgaum from 22-23 Feb 18.	Workshop	1625.00
2018-19	M C Chowkimath	Workshop on (Hands-on) Advanced Forging Simulation" held at B'lore from 30-31 Jan 18.	Workshop	3094.00
2018-19	S V Desai	Workshop/meeting on "BiSEP" at KBITS office, B'lore during 15 Feb 18.	Workshop	2743.00
2018-19	N R Banapurmath	Int Conf on "10th Bengaluru India Nano 2018" held in Bangalore during 6-7 Dec 2018.	Conference	11060.00
2018-19	A.M Sajjan	Int Conf on "10th Bengaluru India Nano 2018" held in Bangalore during 6-7 Dec 2018.	Conference	9650.00
2018-19	P.G. Tewari	Int Conference on "Engineering Education 2019" held at Mallareddy Engg College, Hyderabad during 5-8 Jan 2019	Conference	20192.00
2018-19	S V Desai	International Conference on "Transformation In Engineering Education2019" held at Chitkara University Chandighar during 10-11 Jan 2019	Conference	18059.00
2018-19	P P Revankar & G.U. Raju & Gorwar	6TH Int Conf "TRANSFORMATION IN ENGG EDU 2019" at Hyderabad during 7-8 Jan 2019 .	Conference	15279.00
2018-19	Prasanna Raravi	Int CNF on " Transformation In Engineering Education 2019" held at Chandigarh during 10-11 Jan 2019	Conference	19570.00
2018-19	Sachin Karadagi	Int Conf on "Communication Systems & Networks" held at Hyderabad during 7-11 Jan 2019	Conference	17669.00
2018-19	N.R. Banapurmath,	5th International Conference "Sustainable Urbanization" in Taylors University, Malaysia on 27 June 2018. paper publication	Conference	18375.00

Year	Name of the teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which	Amount of support (in INR)
2018-19	Roopa Kuri	Int conf on "Transformation in Engineering Education" ICTIEE 2019 MREC Hyderabad during 7-8 Jan 19.	Conference	4700.00
2018-19	K M M Rajashekariah	International Conference on "Circuits and Systems and Digital Enterprise Technology" at Saintgik Coll Kottayam Kerala during 21-22 Dec 18	Conference	5125.00
2018-19	Praven Chandargi	Int Conf on "Recent trends in Mathematics" at RLS Institute Belgavi during 26-29 Dec 18.	Conference	4730.00
2018-19	P D Kalwad	Int conf on "Circuits and Systems and Digital Enterprise Technology"at Kottyam kerala during 21-22 Dec 18.	Conference	5125.00
2018-19	Sanjeev Kavale	"Structural Integrity Conference & Exhibition 2018" held during 25-27 July 2018 at Hyderabad.	Conference	15178.00
2018-19	Aruna S Nayak	Int Conf on "ADVANCED LEARNING TECHNOLOGIES"(ICALT) 2018 held at Mumbai during 9-13 July 18.	Conference	11645.00
2018-19	Padmashree Desai	Int Conf on "ADVANCED LEARNING TECHNOLOGIES"(ICALT) 2018 held at Mumbai during 9-13 July 18.	Conference	19920.00
2018-19	Vijaylaxmi M	Int Conf on "ADVANCED LEARNING TECHNOLOGIES"(ICALT) 2018 held at Mumbai during 9-13 July 18.	Conference	11645.00
2018-19	N R Banapurmath	3'rd Int Conf on "Nano Materials : Synthesis Characterization and Applications" (ICN2018) held at Kottayam during 11-13 May 18. .	Conference	17500.00
2018-19	Zabin B	2'nd Int Conf on "Research Interventions and Advancement in life Science" held at Pune during 1-3 Aug 2018.	Conference	5900.00
2018-19	Roopa Kuri	Nat Conf on " Recent Advances in Civil Engineering" (RACE 2018) held at KLE college of Engineering, Chikodi during 9-10 Mar 18.	Conference	1500.00
2018-19	Veeresh Balikai + M Gorwar	International Conf on "Recent Innvations in Science, Engineering & Technology (ICRISET) at Nidsosi held on 18-19 May 2018	Conference	11200.00
2018-19	Sanjeev M K	National Conference on " Excellance In Design, Manufaturing & Automation" at Ichalakaranji on 26-27 April 2018	Conference	8568.00
2018-19	Shivaraj Kengond	International Conference on "Communication And Signal Processing" (ICCSP 2018) held at Adhiparasakthi Engg Coll Melmaruvathur Kanchipuram during 3-5 Apr 18.	Conference	12800.00

Year	Name of the teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which	Amount of support (in INR)
2018-19	B.S. Hungund	Symposium on "Bioengineering" held at IISc Bangalore during 24-25 Feb 2019	Conference	3800.00
2018-19	Prof. Y M Umathar 8 Flty	National conference on "Analysis & Its Application" to be held on 1-2 march 2019	Conference	16000.00
2018-19	Saroja Siddhamal	Int Cnf on " Advances in Computing, Communication And Informatics" held at PESIT, Bangalore during 19-22 Sept 2018.	Conference	14704.00
2018-19	Suhas S & Rohini H	Int CNF on "ICT For Sustainable Development Co-Located with International Research Symposium on Computing & Network Substainability (IRCNS 2018) held at Goa during 30-31 August 2018.	Conference	23983.00
2018-19	Nikita patil, Bhagyashree Kinnal, Shradha Hiremath	5th Int Cnf on NF on "Emerging Research in Computing, Information, Communication and Applications" (ERCICA-2018) held at PESIT Bangalore, 19-22 Sept 2018.	Conference	15558.00
2018-19	Priti Pillai	4th Int Symposium on " Signal Processing and Intelligent Recognition Systems" 2018 held at PESIT Bangalore, 19-22 Sept 2018.	Conference	12675.00
2018-19	Prashant Narayankar	7th International Conference on "Advances in Coputing, Communications and Informatics" held at PESIT Bangalore, 19-22 Sept 2018.	Conference	26078.00
2018-19	Balachandra H	International Conf on "POLYMER COMPOSITES" (ICPC 2018) held at Surathkal NITk during 15-16 2018.	Conference	13451.00
2018-19	Ramkrishna S + Sujata K	3rd Int Conf on "Electronics, Communication, Computer Technologies and Optimization Techniques" at Mysore during 14-15 Dec 18.	Conference	8380.00
2018-19	Prakash Hegde	International Conference on "Transformation In Engineering Education"(ICTIEE 2019) held at Hyderabad during 7-8 Jan 19.	Conference	4526.00
2018-19	Saroja S	3rd IEEE Int Conf on "Electrical, Electronics,Communication, Compter Technologies and Optimization Techniques"(ICEECCOT-2018) held at GSSS Institute for women during 14-15 dec 18.	Conference	3440.00
2018-19	Tanuja Patil	IEEE Int Conf on "Circuits and Systems in Digital Enterprise Technology"(ICCSDET 2018) held at Kottayam Kerela during 21-22 Dec 18.	Conference	21200.00

Year	Name of the teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which	Amount of support (in INR)
2018-19	Tanuja Patil	Int Confon "Data Science & Analytics"(IEEE PuneCon 2018) held at Pune during 1-2 Dec 18.	Conference	12257.00
2018-19	Gururaj B	9th IEEE International Conference on " Technology for Education "held at IIT Chennai during 10-13 Dec 18.	Conference	20080.00
2018-19	Soumya Patil	International Conference on "Intelligent Data Communication Technologies and Internet of Things (ICICI 2018)" held at Coimbatore on 7-8 August 2018. .	Conference	8000.00
2018-19	Nalini Iyer	5th Int conf on " Emerging Research in computing information communication and Applications" (ERCICA 2018) at NMIT held on 27-28 July 2018	Conference	16907.00
2018-19	J Satish + 2	Int CNF ON "ADVANCES IN MATERIAL AND MANUFACTURING APPLICATIONS" at Amrita University, Bangalore held during 16-18 Aug 2018.	Conference	14448.00
2018-19	Adarsh Patil	Int CNF ON "ADVANCES IN MATERIAL AND MANUFACTURING APPLICATIONS" at Amrita University, Bangalore held during 16-18 Aug 2018.	Conference	13270.00
2018-19	J Satish + 2	International Conference "ADVANCES IN MATERIALS AND MANUFACTURING" held at Amrita University, Bangalore held during 16-18 August 2018	Conference	33040.00
2018-19	Mahesh Patil	2nd International Conference on "AdADVANCES IN COMPUTING AND DATA SCIENCES" (ICADS - 2018) at Uttaranchal during 20-21 Apr 2018	Conference	10850.00
2018-19	Nikita Patil	International Conference on "ADVANCES IN COMMUNICATION AND TECHNOLOGY" (ICACCT) held during 8-9 Feb 2018 at Sangamner, MH	Conference	4065.00
2018-19	Zabin Bagewadi	International Conference on "RESEARCH INVENTIONS AND ADVANCEMENTS IN LIFE SCIENCE" (RIAL) held during 1-3 August 2018 at Pune.	Conference	14138.00
2018-19	Sharnappa A	Int Conf on "TRANSFORMATIONS IN ENGG EDUCATION" (ICTIEE-2018) at Madurai during 7-9 Jan 18.	Conference	10434.00
2018-19	Mahesh S Patil	IEEE International Conference on "Computational Intelligence and Computing Research"held at Coimbatore 14-16 dec 17.	Conference	26072.00

Year	Name of the teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which	Amount of support (in INR)
2018-19	Jayachandra S Y	Int Conf on " Advanced in manufacturing Materials and Energy Engineering" held at MITE Mangalore during 2-3 Mar 18.	Conference	2304.00
2018-19	V T Hosmath	Nat Conf on "Analysis and its Application"(NCAA-2018) held at KUD Dharwad on 9-10 Mar 18.	Conference	2100.00
2018-19	Aruna S Nayak	18th IEEE International Conference on "Advanced Learning Technologies"(ICALT 2018) at IIT Bombay during 9-13 July 18.	Conference	8200.00
2018-19	Vijayalakxhmi M	18th IEEE International Conference on "Advanced Learning Technologies"(ICALT 2018) at IIT Bombay during 9-13 July 18.	Conference	8200.00
2018-19	Zabin Bagewadi	Nat conf on "Parasitology" held at Belgaum during 22-24 Feb 18.	Conference	7450.00
2018-19	Suvarna Kanakareddi	Int Conf on "Electrical,Electronics,Computer,Communication,Mechanical and Computing (EECCMC 2018) at Vellore TN during 28-29 Jan 18.	Conference	9860.00
2018-19	G B Marali + 9 flty	Nat Conf on "Analysis and its Application" held at KUD DHarwad during 9-10 Mar 18.	Conference	7100.00
2018-19	Madhusudhan HK J Satish	International Conference on "Material Processing and Characterisation" at GRIET Hyderabad during 16-18 Mar 18.	Conference	9367.00
2018-19	Basanagouda I Patil	Workshop " Earthquake Engineering and Structural Dynamics" at B'lore Ramaiah University during 9-10 Feb 18.	Workshop	4785.00
2018-19	Vinayak Kulkarni	Int Conf on "Materials Processing and Characterization " held at GRIET, Hyderabad from 15-18 Mar 18.	Conference	9024.00
2018-19	Suvarna G Kanakaraddi	IEEE Int Conf on "Current Trends towards Converging Technologies"(ICCTCT 2018) held at Coimbatore from 1-3 Mar 18.	Conference	11610.00
2018-19	S V Desai	Workshopon "IUCEE International Engineering Educator Pre-Certification Workshop" held at Mangalore during 6-8 Mar 18.	Conference	2800.00
2018-19	Gururaj Bhadri	International Conferencr on "Transformation In Engineering Education"(ICTIEE 2019) held at Hyderabad during 7-8 Jan 2019	Conference	10681.00

Placement

Placement season 2018-19 was one more very good year. Students got ample placement opportunities. Core companies recruited in large numbers.

Important highlights are as follows:

1. Highest package offered reached all time high: Amazon Software Development Centre recruited one CSE student offering a package of 29 LPA.

   Other higher package include SAP Labs recruited 3 students with 17 LPA offer, Cypress Semiconductors recruited 3 students with 14.5 LPA, Akamai recruited 4 students with 11 LPA

2. Robert Bosch recruited 145 students, which was among highest in India. University was given special award by Robert Bosch for the same during Placement Officers Meet.

3. Three students through Infosys's all India programming competition called HackWithInfy, got Power   Programmer Role Job offer with a salary package of 8 LPA.

4. Among Software Services companies our biggest recruiters include: Accenture, Infosys, TCS, and SLK S/w.

5. Average Salary offer was 5.1 LPA

6. Total number of offers is **800+**

Our Recruiter for 2018-19 Batch are:

Robert Bosch , Amazon, Microsoft, Mercedes Benz R&D , SAP Labs, Samsung R&D,SONY, Toshiba, Informatica, Akamai, Applied Materials, Cypress Semiconductors, Juniper Networks, Siemens Healthcare, Aptiv, KPIT Tech, Toyota Kirloskar Motors, Cadence, Continental, Tata Hitachi, INS Zoom, JSW steels, Aarbee Structures, Accenture, Infosys, TCS, ACC Cements RMX, ADM Agro, Aequs, Agaze Tech, Aissel, Automotive Axles-Meritor, BridgeSGI, Cerium systems, Deevia S/w, Ducom instruments, Divgi TTS, Easi Engg, Evry, Intech DMLS, KEC, Kirloskar-KFIL, Lekha wireless, MindTree, ,MSPL, Multitech Automations, Neel Tech,Pelatro,Promantia, PWC SDC, Quest Global, Sankalp semiconductors, SLK S/w, Starmark S/w, Subex, Tata AIG, Tata Elxsi, TaeguTec, Tulasi Tech, Vyuhgenics, Wipro

Research and Innovation

To meet its growth aspirations, one of the challenges faced by the University is to transform itself from a good teaching institute to an excellent teaching and research institute. It is important that we need to strengthen further the research and developmental activities for the following:

• To sustain academic and professional reputation in knowledge-based economy

• To attract and retain high quality faculty and students

• To maintain cutting-edge curriculum and create stimulating learning environment

• To improve undergraduate teaching, because a researcher;

  (i) Is a better thinker and problem solver

  (ii) Can promote active teaching &

  (iii) Can create enthusiasm

• To align academic activities with economic development of the region.

KLE TECH has 12 research centers with 99 doctoral faculty guiding 87 registered doctoral students at KLE Tech and 88 students registered in other universities. The following table presents details about the research centers.

Table 1: Details of registered and awarded candidates at 12 research centers

Sl. No.	Name of School/Department/ Center	No. of Eligible Supervisors	No. of PhD registered at KLE Tech	No. of PhD registered at other universities
	Civil Engineering	11	7	15
	Computer Science & Engineering	17	24	8
	Electronics & Communication Engg	13	2	24
	Mechanical Engineering	23	18	21
	Biotechnology	6	8	3
	Electrical & Electronics Engg.	2	5	1
	Management Studies and Research	5	2	4
	Humanities and Social Sciences	1	3	0
	Engineering Education and Research	3	2	0
	Chemistry	4	6	2
	Mathematics	10	4	1
	Physics	4	6	9
	Total	99	87	88

Summary of publications

The following table summarizes the number of publications of research work in refereed conferences and journals at national and international level.

Table 2: Summary of papers published during 2015-16, 2016-17, 2017-18, and 2018-19

Indexed in: W- Web-of- science   S- Scopus   G- Google scholar

Details	2015-2016				2016-17				2017-18				2018-19			
	Journal		Conference		Journal		Conference		Journal		Conference		Journal		Conference	
	IJ	NJ	IC	NC	IJ	NJ	IJ	NJ	IJ	NJ	IC	NC	IJ	NI	IC	NC
# of Publications	260	10	67	6	154	6	139	9	141	2	87	3	140	2	133	1
	270		73		160		148		143		90		142		134	
Total	343				308				233				276			
W	33				40				37				58			
S	85				121				143				181			
G	235				290				229				258			

Indexed in W—Web of science, S-Scopus, G-Google scholar

Graphs

Publications in 2015-16

Publications in 2016-17

Publications in 2017-18
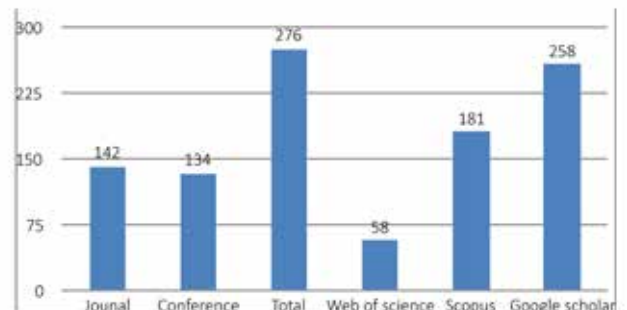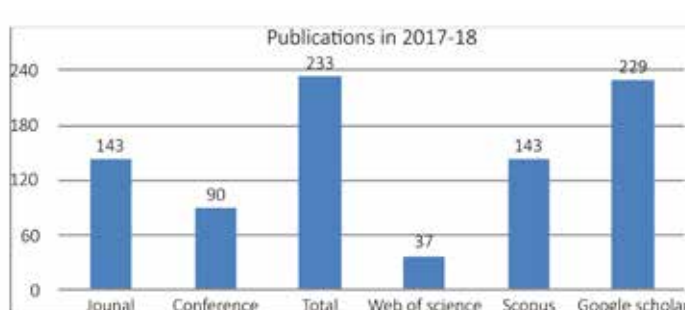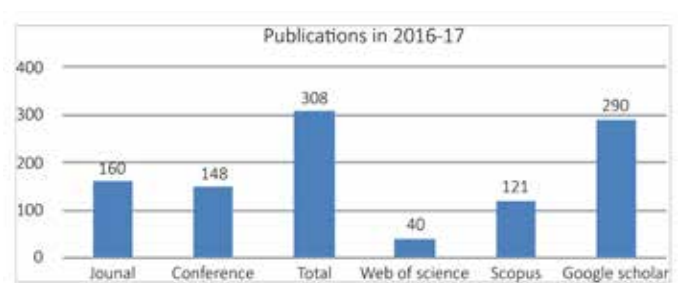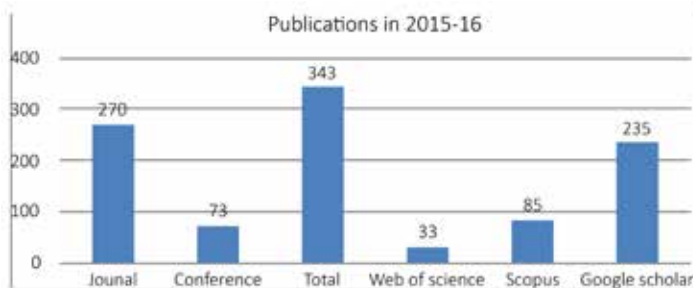
Summary of Patents

Patents: 2014-17

Total Number of Patents filed	: 13
Total number of patents approved	: 09
Total number of provisional patents	: 04

Patents: 2017-18

Total Number of Patents filed: 3

Patents: 2018-19

Total Number of Patents filed: 7

Total number of provisional patents: 1

Total number of Granted patents: 1

Summary of External funded projects

Research grants received: 2014-2019

S.N	Year	Number of projects	Amount sanctioned in Lakhs	Funding Agency
1.	2018-2019	04	165.00	DST, VGST, UAS
2.	2017-2018	03	56.50	GoK-USAD,SRIB,VGST
3.	2016-2017	04	218.76	UASD, DST, DRDO, Continental, BBC (K-BITS),BTFS
4.	2015-2016	03	32.55	DST, USAD
5.	2014-2015	04	23.75	VGST
	TOTAL	18	496.56	

External funded projects

Summary of External Funding

Consolidated list of projects from 2017 to 2019				
	2017-18		2018-19	
Name of School/Dept.	# of projects	Amount in Lakhs	# of projects	Amount in Lakhs
Civil	0	0	0	0
CSE	1	10.00	0	0
ECE	1	6.50	3	159.00
MECH	--	--	0	0
BT	--	--	0	0
Chemistry	1	40.00	1	6.00
Total	3	56.50	4	165.00

Research Experience for Undergraduates (REU)

Undergraduate research opportunities help the student to experience and learn how to identify and define the problems and solve them, how to find and evaluate evidence, how to consider and assess competing interpretations, how to form and test their own analysis and interpretations and how to communicate their ideas and findings. These learning's enable them to take part in the research missions in their future career inside or outside academia.

Probably our college is the first institution in India to introduce 'Research Experience for Undergraduate (REU)s' in the curriculum as an optional course. The response from the students and faculty mentors has been overwhelmingly positive. The students and faculty mentors have devoted considerable time and effort to make the experience worthwhile and fruitful.

Summary of outcome of the REU course is reflected in the following table. In the first year, 19 REU students have published 25 papers in international conferences and journals, and 8 of them have either completed or doing post graduation. About 25% of the total REU students from 2011-14 are doing post graduation either in India or abroad

Year	# REU students	# REU Supervisors	# of Publications from REU	# REU students pursuing PG
2015-16 (Completed)	67	54	38	8
2016-17 (Completed)	68	64	39	2
2017-18 (Completed)	73	68	50	2
2018-19 (Completed)	73	60	67	2

Research Promotion Schemes

University -Research promotion Schemes

To promote research in emerging and high impact areas, the institute has undertaken initiative to identify and nurture research clusters/research groups (RC/RGs) and fund for Product Design and Development Grant (PDDG) and faculty student start-up grant (FSSG) initiatives.

- **Research Cluster (RC):** Research Cluster is theme centered, e.g. energy, material science, ESDM etc. These centers synergize the efforts and expertise of faculty across the departments and create a platform towards building higher levels of inter-disciplinary research/development/technology-translation/productivity. The aim is to get recognition and visibility in a chosen theme

- **Research Group (RG):** This is similar to RC, however collaborating faculty can be from the same department or across departments. Research group leads to initiation of research clusters in the collaborating area over a period of time

- **Product Design and Development Grant (PDDG):** This grant is given to a faculty or group of faculty who involve in product innovation, design and development activity of the institute and supports start-ups and industry. These faculty groups bring together the skill set and expertise of multidisciplinary group of researchers from schools, departments, RCs/RGs and industry towards technology translation, design and development activity of a product.

- **Faculty Student Startup Grant (FSSG):** This grant is given to a faculty or group of faculties who involve with the startup and students towards a product development and deployment.

- **Institute Research Projects (IRP):** Institutional research projects approved by the university R&D center. Typically IRP project goals are defined for 3 to 5years with objectives for each year.
  - o IRP-1: Institutional research projects approved by the university R&D center.
  - o IRP-2: The research projects which have received external funding.

- **Institute Sponsored Projects (ISP):** Institutional approved projects for funding by the university R&D center. Typically ISP proposals have short term goals for an year and need institutional support.

- **Sponsored Research Projects (SRP):** The research projects which have received external funding. The goals and objectives are as per the accepted project proposals
  - **Humanoid,** Coordinator: Arun G.

Outcomes of IRPs in 2018-19

Year	# Papers Communicated / Published	# Proof of Concepts	# Prototypes	# of Products	# Patents applied
2018-19	18 C 6	10	5	2	1

Details of Sanctioned IRP ISP Projects

Year	Number of Projects	Amount Sanctioned	Amount Utilized	Number of Students working	Number of faculty working
2018-19	6 /	10.00 L	9.55 L	64	31

Budget Utilized in 2018-19

SL No.	Head planned	2018-19		
		Budgeted amount in Lakhs	Sanctioned amount in Lakhs	Utilized amount in Lakhs
	Research clusters and groups	150.00	150.00	186.77
	Capacity building	40.00	40.00	7.50
	Others	40.00	40.00	8.10
	Conferences to conduct: 10.00			--
	Conference to attend. : 15.00			8.55
	Training (FDPs) : 10.00			1.63
	Patenting : 10.00			0.91
	Incentives : 5.00			1.94
	PhD Fees reimbursement			3.07
	Dept R &D, Consumables Miscellaneous, others	71.09	60.00	151.52
	Total	301.09	290.00	369.99

Institute Funded Projects under RC/RG/PDDG/FSSG

Sl.No	Name	Title of the research group/cluster/PDDG faculty group	Sanctioned 2018-19	Utilised 2018-19
	Nalini C	RG: Center for Automotive research: ADAS/ Autonomous functions	8.00	2.10
	Uday Muddapur	RG: Bioresource Development for industrial enzymes and metabolites.	7.50	2.90
	Ravi Guttal	PDDG faculty group: Product Innovation, Design and Development Smart Systems for Resource Management	6.00	2.03
	Meena S M	RG: Intelligent Systems- AI for CV and analytics	3.75	Nil
	Saroja V. S	PDDG: ESDM	26.00	22.78
	N.R.Banapurmath	RC: Material Science Cluster Applied Nano-structured Materials	21.32	34.53
	S S Quadri	RG: Transportation Lab with Advanced Testing	5.00	Nil
	Satyadhyan C	RG: High Performance Computing-Convergence of HPC and AI	120.00	121.00
	Prakash B Hegade	FSSG: Semantics & mathematical modelling: Knit Engine for Item Correlation	0.50	Nil
	P R Patil	RG: Smart system for early detection of plant diseases.	2.35	Nil
	Aditya Deshpande	FSSG: Product design and development for agriculture: Interrow cultivator	2.10	1.43
		Total	202.52	186.77
		New RC/RG/PDDG Projects 2019-20		
	B S Hungund	RG: Sustainable Bio solutions: Development of biocontrol & biofertilizers	3.4	--
	Zabin Bagewadi	RG: Development of Process and Product for Healthcare and Environmental Applications	5.0	--
		Total	8.4	--

Institute funded capacity building projects for individual faculty

Year	Total projects	Total amount in Lakhs
2015-16	15	13.25
2017-18	15	27.92
2018-19	19	36.53

Outcome of Capacity building projects

Year	Sanctioned Projects	Sanctioned amount	Utilized amount	Outcomes of Capacity building Projects				
				Student benefited	PhD + M.Tech Student benefitted	Papers published	Applied for external projects	External sanctioned projects
2017-18	15	27.92	22.85	6	2+8	9	2 VGST	--
2018-19	19	36.53	28.65	7	5+7	11	7 VGST, AICTE, ePROMIS, MHRD	--

Incentives given to faculty for quality publication, funded research and guiding doctoral students

Sl. No	Year	# of incentives	Total amount in Rs.
1.	2015-16	3	19,000/-
2.	2016-17	10	2,33,320/-
3.	2017-18	31	4,30,000/-
4.	2018-19	13	1,94,000/-
		Total	8,76,320/-

Entrepreneurship

Centre for Technology Innovation and Entrepreneurship (CTIE):

With a lot of focus on experiential learning and project-based learning in today's era, the entrepreneurial wing of KLE Technological University, contributes by giving essential skills required for an engineer to excel well in his life. With its various programs and events run across the year, it adds significant value in uplifting the creativity quotient of budding engineers and inclines them to being entrepreneurial. Each of the activity conducted under CTIE springs a concept of innovation. This further lays a foundation of entrepreneurial mindset in students, encouraging them to take up journey of entrepreneurship. This contributes to local ecosystem by retaining the talent and improving the knowledge skills of semi – urban cities.

CTIE attracts a lot of local entrepreneurs, alumni entrepreneurs, student entrepreneurs and industry experienced veterans who wish to start something of their own. This is due to gamut of service that it offers to budding start-ups.

| Electronics Enabling Lab (EEL) – housing RF, Thermal, Vibration Testing Equipment for rapid prototyping and testing, to Maker's Space, Tinkering Lab and lab facilities at various departments.

| Access to skilled student pool who come on board to deliver real time projects by way of internship and minor projects.

| Experienced mentors, who handhold the start-ups in various technical and non – technical areas and upskill them.

| Access to funding opportunities by connecting to right investors

CTIE has following to claim.

74	17	35	300+
Startups supported	Student Startups	Capstone Projects	Internship Opportunities
600+	2000+	10	10+
Jobs Created	Customers served	Startups Funded	Potential run for Funds

Workshop on Introduction to Systematic Innovation – 15th, 16th and 17th August 2018

Resource Person: Dr. Balachandar Ramadurai

The Minor Program in Entrepreneurship students post identifying a problem creatively, now had to list possible solutions to solve the problem. This workshop was a hand holding to them to think of possible solutions to problem statements defined and apply the same.

Rehearsal for Elevate2018 – Final pitching – 24 th August 2018

Reviewed by: Mr. Prasanna Dixit and Mrs. Soumya Kudagi 3 of the 4 shortlisted companies presented their ideas to the reviewing panel. Suggestions and improvements were accepted and adopted by the shortlisted companies as instructed by the panelist. The 4 shortlisted companies were:

1. Float Design Labs

2. Havenow FoodTech

3. Property360Degree

4. INDrone Aero Systems

Mentoring Session with Dr. Anant Koppar – 30 th August 2018

Dr. Anant Koppar with around 33+ years of industry experience is a Serial Entrepreneur. Dr. Anant Koppar was awarded the prestigious Karnataka Rajyotsava Award 2008, the highest civilian award instituted by the Karnataka Government for outstanding contributions to the growth of IT Industry in Karnataka, India.

Initial icebreaking session with 4 companies was held in CTIE. The companies were:

1. STEK Innovations

2. Jellycone

3. Chromisis Technologies

4. Float Design Labs

Elevate2018 – 05 th September 2018

Attended by IT/BT department, Government of Karnataka

Elevate2018 final pitching round was organized in Bangalore. Out of the 4 shortlisted startups, INDrone Aero Systems was one of the winner.

INDrone Aero Systems provides Aerial data capture coupled with advanced analytics to applications like land mapping (survey) and inspection of structures (dams, bridges, electric towers etc), surveillance, plant health (Agriculture), thermal imaging (Energy industries) and disaster management.

Pitching session for incubates – 6 th September 2018

20 startups participated in the pitching session and gave a 4 slide presentation, which gave a birds-eye view about the startups. The presentations were reviewed by Mr. Nayan S Momaya and Mrs. Soumya Kudagi. The presentation focused on understating the vision and mission of the startup, current financial status, team profile and product/service description

Mentoring Session with Dr. Anant Koppar

6 startups met Dr. Koppar, 2 Startups met Dr. Koppar for the first time. The mentoring session now helped Dr. Koppar understand the problems the startups faced.

The 2 startups that met Dr. Koppar for the first time were:

1. Tweak Labs 2. Express Analytics

Pupa... the finale– 18 th October 2018

Being held since last five years, PUPA has garnered attention from institutions all over the state. A journey that began with 20 budding ideas in 1 st season in 2013, has now reached to 414 engineered ideas in its 6 th season. With highest number of registrations up till date, from total 32 institutions, sixth edition of PUPA promised to set up a technical fiesta like never before. These 32 institutions include 4 schools, 3 polytechnic colleges, 5 MBA institutions, 2 PU colleges and 16 engineering institutions from across of North Karnataka.

With ideas officially turning into products, PUPA 2018 technically bridged the gap between 'Project' and 'Product'. Well-developed, sellable products and extremely focused participants gradually embraced it with touch of motivation and inspiration. Products like Swara, PUBG trigger, Cool Buzz, Solar Helmet, Headphone Splitter, stood out and received more orders for sale.

Startup Review- Seeking Incubation Space – 10 October 2018

Mr. Shriram from ERFOLG had presented his idea in front of 3 panel members and was seeking incubation in CTIE. His idea was not accepted by the panelists, however he was free to get mentoring and any assistance from CTIE.

Mr. Alwyn from Leoxipraade Pvt Ltd, Mr. Chinmay Dharwad from BestBK and Mr. Vijay Gudi from Semi-ksha Technologies Pvt Ltd pitched in front of the reviewing panel.

Leoxipraade Pvt Ltd was rejected on the grounds of lack of clarity about the product. BestBK was rejected due to lack of clarity. Semi-ksha Technologies was granted incubation by the panelists.

Mentoring session with Dr. Koppar – 24 th and 25 th October 2018

11 startups met Dr. Koppar over two days and discussed their problems at length with him. 6 new startups met him during this session.

The 6 new startups were:

1. UTD 2. Prajna Biosciences 3. Havenow Foodtech 4. ARA 5. BigRec 6. Origami Automation

Sales and Business Workshop with Mr. Bhuvnesh Sharma and Dr. Anant Koppar – 22 nd

November 2018

30 participants including 2 faculties from school of Management had participated in this day long workshop. The workshop focused on various topics such as:

| 7 critical steps of business planning

| Basics of sales process

| Importance of IP in business success

| Basic sales concepts

The workshop was very well received by the startups and a few startups have also started consulting Mr. Bhuvnesh Sharma on a one on one basis.

Student Exchange Program 2018 – 29 th December 2018 to 11 th January 2019

Student Exchange Program is a two week course that drives a multi – disciplinary, multi – cultural set up with students of US, Japan, China and other international institutes participating so that each student appreciates the varied background and experience that every other colleague of his brings to the class room. It promotes collaborative learning on an international platform. Started in 2013, in collaboration of BVB college of Engineering, Hubli and Manning School of Business at University of Massachusetts, Lowell, USA this program has only been growing and proved more successful every year.

Networking session with Mr. Basu Ullagaddi – Serial Entrepreneur and Investor – 19th & 20th December 2018

Mr. Basu Ullagaddi has over 25 years of experience in the engineering, manufacturing, sales, and marketing areas. He has spent a significant amount of time in building new products in the Automotive, Robotics, White Goods, Consumer Electronics and Control Systems. He has also been successfully running a technology consulting company for over two decades. He is a high energy individual with very strong vision for successful goals. He has developed and managed sales and marketing teams globally.

He met 14 startups. He shared his insights about how to scale-up and also helped few startups with his personal connects. He spent two fruitful days with the startups and engaged in one on one sessions as well.

Networking session with Mr. Nitin Motgi - Serial Entrepreneur and Investor – 21st December 2018

Nitin lead product and engineering initiatives at Cask Data, Inc. Cask Data, Inc. (acquired by Google), provides industries first Unified Integration Platform for building data analytics applications and frameworks called CDAP (Cask Data Application Platform).

Nitin has worked in companies like Yahoo!, Altera, FedEx doing some major contributions to the overall businesses of these organizations. He met five startups and scheduled a Go-to market session for the month of January for the startups.

Go-to market session with Mr. Nitin Motgi – 2nd January 2019

The interaction was between Mr. Motgi and eight startups. Mr. Motgi shed light on various important points required in designing and implementing Go-to-market strategies. He stressed on having a playbook designed by the founder(s) for their startups and play by the rules formulated in the playbook.

Meeting with Mr Harsh and Mrs. Mamata Mutt (Angel investors and BVB Alumni) – 26th January 2019

Harsha brings more than 25 years of general management experience as head of business units, and learning from multiple assignments across geographies. The insights gained as an angel investor and board member with early stage technology companies in India along with his extensive customer management experience in the US makes him unique. A mechanical engineer and a management accountant, Harsha has a track record of rapidly growing businesses by providing solutions to address key customer problems, by leading large multi-functional and multi-locational teams, and by building extensive relationships with key stakeholders both internal and external.

Currently he is a practicing Business & Leadership Coach, an angel investor, and a board member. He is an active Mentor at NSRCEL, IIM Bangalore

They met two startups namely: PixArt and Semi-ksha Technologies. Each startup spent thirty minutes with Mr and Mrs. Mutt. Several suggestions were provided by them which were found to be useful by the startups.

Workshop on Innovation and Importance of IP by Dr. Aravind Chinchure – 31st January 2019

The workshop was held for the Minor Program in Entrepreneurship Students along with other aspiring students who are interested in startups and faculty who are interested in IP. The workshop was focused on helping budding entrepreneurs and engineers with protecting their product through use of IP. The resource person discussed a lot of parameters that need to be looked at while patenting a product and also discussed how to go about it. Our university helps students with patenting their product free of cost. There are few great ideas that the students are working on currently which can be patented as per the resource person.

The resource then had a one on one discussion with KLE CTIE Incubated Startups and discussed where innovation in their company be bought around. Few startups had specific ideas pertaining to their product IP, which he addressed. Overall the resource person helped students, faculty and startups get required exposure to IP and guided them through process of Innovation.

Intel Ideation Camp – 15th & 16th February 2019

The Ideation of Ideas started with collective effort of Team MIB led by the director of CTIE, Dr. Nitin Kulkarni. From over 200 applicants, 70 of them were scrutinized and selected based on their skills in expressing themselves on the paper.

The Ideation Camp in collaboration with Intel, is a 2 – day immersive program which helps participants to plan from start to end of their entrepreneurial

journey. This includes, understanding the problem statement, knowing the segment very well, devising innovative solutions, knowing risk and rewards involved in each of solutions designed, choosing the best option, building on the solution further and developing a BMC around it to launch the entrepreneurial journey. The event is open to all semester engineering students of KLE Technological University.

Design Thinking Workshop – 18th February 2019

The workshop on design thinking was organized with the aim of making the participants think from multiple angles and understanding the needs & expectations of multiple stakeholders while designing a product. The workshop was conducted for employees and employers of all startups incubated in KLE-CTIE.

The workshop was conducted by Mr. Rajeev Mankar, he has his roots in Dharwad. He has 22 years of Industry experience. Currently, he is the Product Manager at Veritas Software. He contributes in designing and strategizing the various services products offerings for the entire Services product portfolio.

BUILDATHON 2019 – 8th to 15th March 2019

Buildathon 2019, was a 9-day product buildup event with primary focus on students building products on campus. The whole idea was conceived as we believed that students need to understand the problem first and then start building solutions to address customer needs. The fact that their engineering course provides exposure at a solution level having predefined problems, we taught of attacking the problem first and made students to visit the customers facing the problem and empathise with them by experiencing the problem and then devise reasonable solutions to satisfy customer's needs.

All the teams pitching on the finale day had built products in 9 – days using resources available on campus. There was also seed capital given to teams for building products. The pitch on the finale day included right from how they surveyed the customers, identified the right problem and defined it, how different solutions were thought off, and how one solution was finalised, the journey of building product, testing the product with customers, collecting feedback, reworking on the product for deployment and the sale story

Mentor Me MENTOR by Dr Anant Koppar – 15th May 2019

The startups continued to get support from Dr. Koppar mentoring sessions. The startups that met were Elegocart, Prajna Bioscience, Float Design Labs, Semiksha, Manomaya, Origami.

Mentor Me MENTOR by Dr Anant Koppar – 11th April 2019

Dr Anant Koppar, mentored startups at CTIE and continued to look at further build up of the startups. He connected few of the startups with his network and helped them to elevate to next level. The startups that met him were – HaveNow Food tech, Float Design Labs, Prajna Bioscience, Chromosis Technologies, Origami Automations, Simply5 – Student Startup, Unravel – Student Startup, Shreyas Burde – Student having a potential startup.

Sales & Marketing Workshop by Mr. Ramu Sankarrao – 25th & 26th May 2019

Mr. Ramu Sankarrao is a consultant and a mentor specifically in sales and marketing area for budding startups. He conducted a two – day sales & marketing workshop for all the CTIE startups. The key area he covered were, Value Creation, Choosing the right customer, go to market strategy and sales process, Personal Selling effectiveness, Developing sales team, sales plan for startups in year 2019 – 20. Each of the startups worked on the sales plan and got the same scrutinized. Most of the startups relooked at the value creation cycle and started to relook into their businesses and build it strong.

Mentor Me MENTOR by Dr Anant Koppar – 28th May 2019

The startups that interacted with Mr. Koppar were, Chromosis technologies, Semiksha, Stek Innovations, Biosyl, Transil technologies, Express Analytics, Property360. Each of the startups were reveived from task given to complete and task completed.

Butterfly – 31st May 2019

Butterfly is a B – plan event conducted for students of KLE Technological University. It's a pitch that students do on a project idea which they would like to pursue for the 8th and 6th Sem projects and first and second year engineering students get to win cash prizes. The event is judged individually in each of the categories – 3rd year, 2nd year and 1st year. The panellist from different sectors, judge the ability of candidates to perform further on the plan.

Sales & Marketing Workshop by Mr. Ramu Sankarrao – 7 & 8th June 2019

Since a few startups had missed sales and marketing workshop by Mr Ramu Sankarrao and were keen to seek his help to restructure the business offering, the workshop was conducted again. This time we collaborated with DF Startups as well. There was a good participation from both the incubators.

CIPD - Cenre for Innovation & Product Development

Over arching philosophy of CIPD

KLE Tech Centre for Innovation & Product Development
[KLE Tech - CIPD]
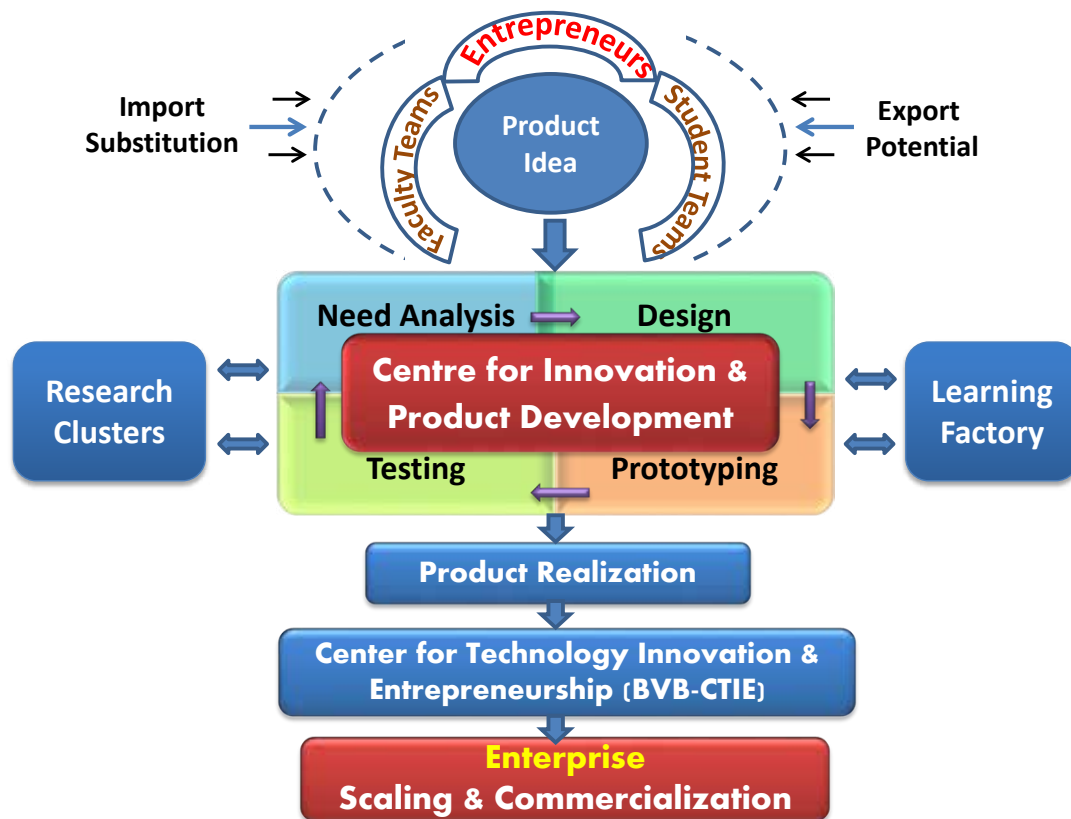
The Center has been established to develop capabilities in Product Innovation and Development for students, faculty and start-ups within KLE Technological University. The Mission : To be a premium product innovation and development center in India by 2020 within the academic arena

The following strategic initiatives shall be deployed to achieve our goal:

Collaboration: With Industry, students, faculty and society to develop innovative product ideas

Organizational alignment: Academic courses to be aligned to achieve an end goal of product realization. All NPI, Innovation and PDD courses to be aligned towards a common goal. Faculty members from various departments to be in a team which shall work towards the 2020 goal

Develop eco-system for product innovation and Intellectual Property Management – processes and tools

Capability Building: Develop Product Innovation, Design and Development curriculum; Training programs and workshops for faculty and industry partners

PRODUCTS IN DEVELOPMENT STAGE

Vision – A system solution (patented) to aid in navigation and provide safety to visually impaired - Visual impairment is a significant and growing problem in the world, especially in India as it is home to one-fourth of the world's blind population. Globally, there are 39 million people who are visually impaired. In 2018, India has a total of 12 million people who are visually impaired. Due to this problem that largely persists, the visually impaired people are unable to lead an independent life in terms of mobility, be it on roads, streets or at the safety of their own homes. It is also found that independent travel is a source of anxiety for many visually impaired people and indeed some avoid it altogether. Sight is one of the primary senses of human body, yet another research indicates that the audio response time is faster than visual response time. It is a fact that hearing is one of the primary senses after sight and that the hearing ability of visually impaired people is enhanced through practice and adaptation. Although the modern-day devices i.e. head-mounted wearable devices and smart cane, help them in avoiding the obstacles, they are not meeting with the customer needs in terms of pricing or satisfaction. The concept of the proposed system is such that it gives the visually impaired user access to information about obstacles and the environment that lie immediately in the vicinity via voice assistance or audio messages.

Traffic Management System - CIPD has designed an innovative (patented) traffic management solution system, (Traffic Suraksha) which is cost effective and easy to implement without any considerable change to the existing road infrastructure. The solution provides safe navigation for vehicles and pedestrians at a traffic intersection. The solution can be deployed for normal traffic, rapid transport and mixed transport intersections. The solution is also apt for railway crossings, security gates and private roads. CIPD shall be working closely with BRTS Hubballi-Dharwad to implement the aforementioned system.
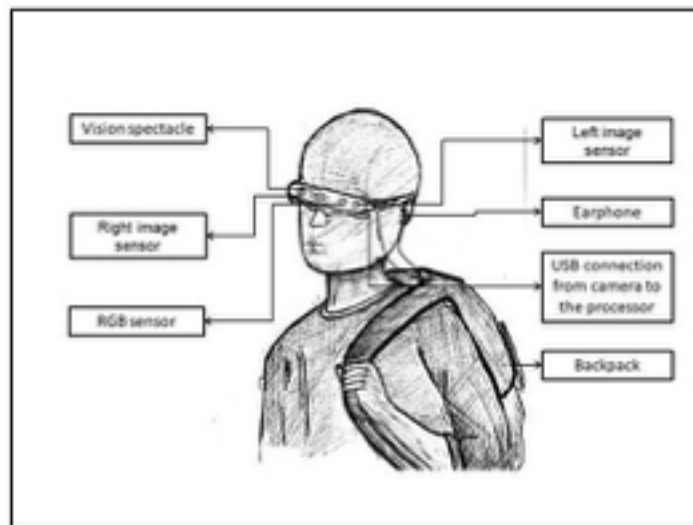
MakerSpace

The 'MakerSpace' is a central facility created to promote product development and realization eco-system on the campus. It intends to provide students with unique learning experiences on real industry problems and products in a work-emulating environment. It helps them understand industry needs, professional requirements and the product realization process. The MakerSpace provides modern design, prototyping, and manufacturing facilities required for realization of any electro-mechanical product. It also provides expert supervision and training to use the facilities.

The MakerSpace is administered by the University as a resource for all engineering departments. Facilities, with an investment of about 3.0 crores of rupees, occupying 10,000 square feet, include a machine shop (4000sq. ft), model shop (2000sq.ft) and project work area (4000sq.ft). Engineering student can use the MakerSpace for concept design & realization, course-related activity and/or competition projects such as SAE Formula, SAE- BAJA, SAE- ecokart, SAE-Efficycle, ROBOCON, etc. The shop is open 8 am-8 pm weekdays and on weekends as needed.
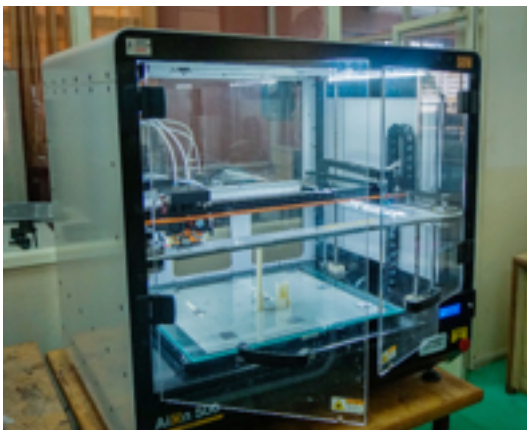
Students

Faculty

Industry
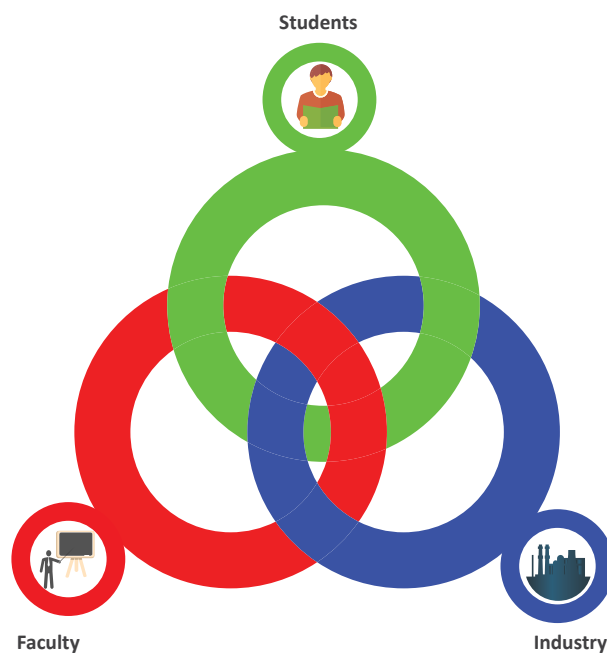
MakerSpace

MakerSpace – Added with more facilities

DMG-MORI 600V Vertical Milling Machine

It is a state-of-the-art machine extensively used by aerospace parts manufacturers. Students will gain exposure on machining aerospace parts on this same machine.

AION-500 3D Printing Machine

Another addition to existing 3D Printers' family with a capability to print bigger parts i.e. 500mmx500mmx500mm

12 Station Assembly Arena with Power Tools

Student teams can assemble a product/prototype without having to roam around for tools.

Industry Partnership

It is essential that the institute continues to strengthen its association with the industries to enhance its student learning experience and relevance of its research activities.

Curriculum intervention:
 Board of studies of every program is having at least two senior members from Industries like Microsoft, GE, Tata motors, TCS, Samsung, Sankalp etc.

Industry Oriented Courses:

Fundamentals of Gas Turbines:

Has been offered for the Mechanical stream departments in collaboration with Quest Global (now Aequs).

Active Directory Services: Has been offered in Collaboration with Microsoft IGTSC for the students of CSE, ISE and EC branches.

Fundamentals of IT: Has been offered by the Mechanical stream departments in collaboration with Infosys.

Automotive Electronics: Has been offered in Collaboration with Robert Bosch and KPIT. This has led to increased placements for the companies in the field of automotive electronics in Bosch, KPIT and Continental.

Manufacturing technology: Has been offered for the Mechanical stream departments in collaboration with Aequs.

Robotic Process Automation (RPA): Has been offered for the Computing sciences stream departments in collaboration with UI Path and Automation Anywhere.

Industry based projects:

 Around 150 capstone projects have been carried out in collaboration with Industries like Microsoft, Juniper Networks, Sankalp, Ion Idea, Hi- WI etc. along with startup companies

MOU's:

Mou's have been signed with:
1. UiPath
2. Automation Anywhere
3. Hescom

3rd Smart India Hackathon 2019:

Smart India Hackathon was organized in association with MHRD, AICTE, and other Industries

Samsung Codethon:

A Codethon was conducted in association with Samsung R&D, Bengaluru and code chef.

Internships:

470 students were offered full time Internship by various Industries like Microsoft, Bosch, Infosys, Amazon, Samsung, Cypress Semiconductors, Informatica, Juniper Networks, Mercedes Benz R&D, Siemens Healthcare, Volvo, SAP Labs, Sankalp, INS-Zoom, Salarpuria, Sattava Group Bangalore, HAL, JSW steels   etc. with stipend ranging from Rs 5000 to Rs 30000 per month.

Education Research

Centre for Engineering Education Research (CEER)

About CEER:

KLE Tech is playing the vital role of creating engineering education system offering opportunities for students to realise their potential and prepare themselves for a professional career. This includes designing industry-relevant curriculum, practising active, collaborative and experiential learning pedagogies and assessment and evaluation. Today KLE Tech is recognised for innovations in this space. Need to learn from these innovations and sustain them resulted in establishing Centre for Engineering Education Research (CEER). CEER was established in 2010 to promote innovations in engineering education, learn from these innovations, collect best practices and institutionalise them.

> Vision: To promote innovation and research in Engineering Education to bring about a qualitative change in students' learning experience.

CEER works with the following objectives:

1. Empower faculty members with the best practices in curriculum design, teaching-learning and assessment through training, workshop and allied activities

2. Encouraging innovation in curriculum design, teaching-learning and assessment

3. Influence faculty mindsets to recognise the importance of research-driven instructional practices

4. Design and offer innovative courses and programs

5. Identify and build strategic global partnerships and collaborations to elevate our research capabilities and those of the wider engineering education community

6. Conduct outreach activities like workshops, trainings and conferences.

The processes and practices towards accomplishing these objectives have made significant contributions to enriching the engineering education ecosystems of the University. The number of engineering education research publications is growing steadily since the last five years. CEER has earned a respectable position among the practitioners of engineering education. A good number of Engineering Colleges in India have taken inspiration and have set up such centres in their respective Institutions taking best practices and courses from.

PhD in Engineering Education

KLE Tech is one of the few Institutions in India offering PhD in Engineering Education. This program is started in 2015-2016 and has been designed with a vision of contributing to leadership development in Engineering Education. Experiences of a few of the leading universities in the world are used in designing the program.

The reconstituted advisory board for the program consists of leaders in engineering education from prestigious universities.

Prof. Vinod Lohani
Virginia Tech

Prof. William Oaks
Purdue University

Prof. Sohum Sohoni
Professor, Milwaukee
School of Engineering

Dr. Rohit Kandakatla
Director: Strategy,
Operations and Human
Resource Development
- KGRCET

Prof. Ashok Shettar,
VC, KLE Tech

Prof. P. G Tewari
Dean (Academic Affairs), KLE Tech

Prof. G H Joshi
Director, CEER, KLE Tech

Faculty Conclave 2018

A Two-day Faculty Conclave-2019 was organized by Centre for Engineering Education Research (CEER), KLE Technological University, Hubballi on August 02-03, 2019. Being initiated in 2011, this event is one of the annual highlights.

Faculty Conclave provides a platform to showcase new pedagogical practices and research in the realm of engineering education at KLE Technological University, Hubballi. This year's conclave has a total of 28 papers contributed by 70 faculty members. Number of unique authors is 44. The faculty profiles cut across ages and also departmental boundaries. There are new contributors as well along with regular contributors. The focus of the academic year was PBL and we see contributions through PBL experimentation as well.

Spread over eight sessions, the five distinct themes of the event were:-

1. Curriculum Innovation
2. Outcomes Assessment
3. Experiential Learning
4. Pedagogies in Engineering Education
5. Research Experiences,
6. Entrepreneurship and Industry – Institute Collaboration
7. Post Graduate Program Experiences
8. Technology Enhanced Learning & MOOC Experiences
9. PBL experiences

The faculty of the institute actively participated in the deliberations during the conclave. The event served as a forum for exchange of ideas and practices followed across the various schools and departments of the KLE Technological University.
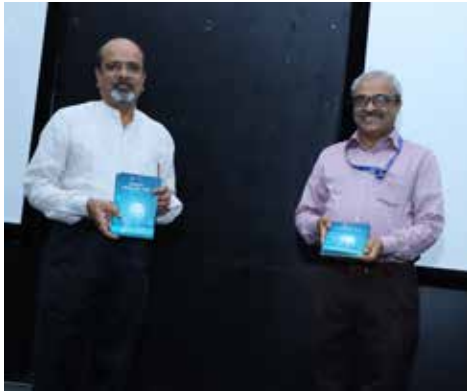
# PRAYOG-An Exhibition of Engineering Exploration Course Projects

"Engineering Exploration" course is a unique innovation born in the educational eco-system of KLE Tech. This first-year course is co-designed and team-taught by faculty from multiple engineering disciplines. It follows PBL pedagogy and students work in teams to solve identified problems.

Prayog is an exhibition conducted in last week of the semester, and it serves as a platform for peer learning and celebration of students' success. The event is conducted twice as Prayog Vasant and Prayog Sharat during the end of the Even and Odd semesters, respectively.

Prayog Vasant was conducted on May 04, 2019 in which approximately 720 students showcase 179 course projects across 15 different need statements. Around 100 guests visited us from various institutes and companies including

1.   Mr. KNS Acharya, Vice president, KPIT.

2.   Prof. Manjunath, IIT Bombay

3.   Dr. Badrinath Ramamurthy, Ericsson.

Departments of the KLE Technological University.
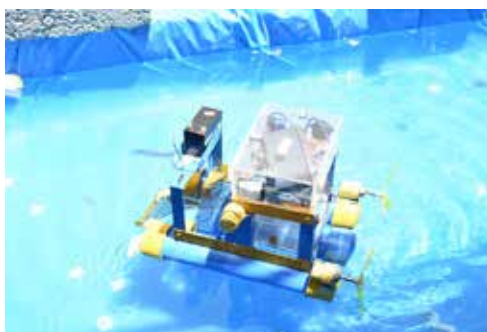
Prayog Sharat

Prayog Sharat was organised on Saturday, December 01, 2018 in which 115 projects done on 12 themes were showcased during the exhibition.

The exhibition was inaugurated by Dr.Ashok Shettar, Vice Chancellor. The following were the prominent dignitaries attending the event:

1.   Prof.William Oakes, Purdue University, USA

2.   Dr.Paul Greening, Associate Dean, Coventry University,UK

3.   Dr.Caroline Wilson, Centre for Global Learning, Coventry University, UK

4.   Dr.Prithvi Pagala, M/S KPIT

5.   Dr.Kantha Reddy, Director (India Operations), IUCEE

AICTE Examination Reforms workshops

All India Council for Technical Education, New Delhi (AICTE) constituted a committee to recommend reforms in engineering education examinations. The committee was headed by Prof.Ashok Shettar, VC, KLE Tech. Awareness about the recommendations of the committee were brought through a series of workshops in 19 identified cities in the country. More

than 3000 faculty members participated in these workshops representing affiliated and autonomous engineering colleges and technical universities. Prof.Ashok Shettar, Prof.Prakash Tewari and Prof. Gopalkrishna Joshi conducted these workshops as workshop leaders. This team was ably supported by Ms.Preethi Baligar, Mr.Kaushik M, and Mr.Sanjeev Kavale.

IT Platforms and Services

The present IT infrastructure of KLE TECH was redesigned in the year 2014-15, as to cater modern engineering day's needs and challenges. We have upgraded the basic network infrastructure under TEQIP Grants; we upgraded Campus back bone from Copper to OFC.

Key features of BVBCET IT Infrastructure:

| Campus back bone is of OFC (Ring structure) 10Gbps.

| Department Internal LAN is 1Gbps.

| Number of nodes in Campus is 2700 plus (desktops).

| With 8 VLANs / sub nets and internal LAN with different topologies.

| Internet bandwidth is 375 Mbps leased line (service provider is BSNL and TATA).

| 75 wireless access points across campus and 85 across hostels. (with SSID KLE_Tech)

| More than 50 servers to cater academic needs of students.

| Firewall, AAA Server, Access point controller unit which can withstand 30 lakh concurrent sessions with highly secured network. (viz. Sophos, Aruba Controller etc..)

| Every single machine in campus is connected with internet facilities.

| Every single classroom and laboratories in campus are well equipped with audio visual facilities.

| Video conferencing and teleconferencing tools at seminar halls. (Polycom)

| 15 classrooms are equipped with lecture capturing systems(impartus)

Board of Governors

Name	Designation
Dr. Prabhakar B. Kore	Chairperson
Prof Ashok S. Shettar	Member
The Principal Secretary/Secretary, Higher Education,Government of Karnataka.	Member
The Principal Secretary/Secretary, Medical Education, Government of Karnataka.	Member
Prof M. I. Savadatti	Member
Prof R. Natarajan	Member
Prof B. S. Sonde	Member
Dr. Sudha N. Murty	Member
Prof P. G. Tewari	Member
Prof B. L . Desai	Member Secretary

Student accolades

SCHOOL OF ARCHITECTURE, BRINGS LAURELS FROM ZONAL NASA, GUNTUR.

The zone 5's Zonal NASA Convention (National Association of Students of Architecture, India) was held at Acharya Nagarjuna University College of Architecture and Planning, Guntur from 5 – 8 October 2019.

At the convention, School of Architecture, KLE Technological University's students won a total of five trophies gaining most trophies amongst 2100 students coming from 47 Architecture colleges spread across Karnataka, Goa, Andhra Pradesh and Telangana.

Team aeroKLE tops the country in SAE India Aero Design challenge 2019

A team of 17 aero modelling enthusiasts from aeroKLE Club, KLE Technological University have secured an All-India first rank in Regular Class and a record All-India third rank on debut for Micro class, first rank in "Best Design Report" of micro class adding to a total cash prize of Rs. 1,35,000 out of 146 participant teams across India. The competition was held in SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu. The team designed, performed analysis and fabricated the aircrafts at Maker's Space facility of the university.

KLE Technological University bags 2nd place in Baja SAE

Baja SAE is an intercollegiate design competition run by the Society of Automotive Engineers (SAE).The goal in Baja SAE racing is to design, build and race off-road vehicles that can withstand the harshest elements of rough terrain.

BAJA SAEINDIA 2019, the 12th edition of the BAJA series by SAEINDIA was conducted at the NATRIP facility at Pithampur, Indore, from January 23rdto 27th2019.

AKASH.S.R WON THE A3 FOUNDATION INNOVATIVE DESIGN AWARD 2019

Akaksh S R 6th sem student of School of Architecture won the A3 Foundation Award for his Design Housing Studio Project at LIT - Archi and A3F Awards 2019 held at Museumar & Art Gallery Sector - 10, Chandigarhon 16th February 2019, The coveted award was out of 341 entries nationwide. Akashh was mentored by Prof Kalpeshkumar Patel, School of Architecture

KLE Tech bagged first place in Grand Finale of Smart India Hackathon 2019.

A team headed by Deepti Hegde, Dikshit Hegde, Samanvitha K. Vellala Vineeth Kumar, Shreya M. Pattanashetti and Shanthika Naik worked on a problem "Person Tracking System" on HCL Technologies.

RC Aeroplane: Best Technical Presentation Award

A team of 18 students from AeroKLE club, KLE Technological University had participated in SAE (Society of Automotive Engineers) India "Aero Design Challenge-2018" competition held at "Anna University Chennai", and won 2ndrank in Technical Presentation and top 8thposition in all India Ranking out of 109 teams that participated from various states of India. For this competition students Designed, Manufactured and Tested two remote-controlled Aeroplanes in the "Maker's Space" facility of the KLE Technological university under the guidance of Prof. G. M Hiremath (Coordinator AeroKLE club), Dr. N. R Banapurmath (HOD Centre of Material Science) and Mr. Kumar Rao (Design Engineer from Rolls Royce Bangalore) with substantial support from Dr. B. B Kotturshettar (Dean & HOD Mechanical Engineering). The event was for three days from 11thJuly to 13thJuly 2018 at Anna University, Chennai.

DRUSHTI team wins "National Budding Innovators Award"

The smart stick "DRUSHTI" is designed to perform better compared to other smart canes available in market. The smart stick can assist the blind people without the human need and their dependency. It is well known that the blind people carry a handy stick with them whenever and wherever they need a support. This

stick can even be used to protect themselves from the hazardous animals to save themselves and avoid any harm. As this product is handy and all the circuits are operated away from the body so there would be no harm to human body. It is easy to maintain and due to simple placement of the circuits on the stick and it is easily affordable. This stick has many features which distinguishes itself from other competitive products. This team came up with the following innovative and efficient functions which highlights the features of this product

Avanika Yammiyavar Won the "Best Paper Award" for the Oral Presentation of her Research Paper

Avanika Yammiyavar, 8th Semester Student of School of Architecture Won the "Best Paper Award"for the Oral Presentation of her Research Paper titled- "Evaluating Building Aesthetics using Gestalt Analysis"at the Research Conclave 2019held at IIT Guwahatifrom 14-17thMarch 2019.

Financials

KLE Technological University, Hubballi

Income and Expenditure Statement for the year 2018-19
(Includes Capital Expenditures)

Revenue Income	Amount (Rs)	Revenue Expenditures	Amount (Rs)	Capital Expenditures	Amount (Rs)
Academic Receipts	622,428,696	Staff Payments & Benefits	376,023,541	Buildings	94,228,301
Grants and Donations	98,910,747	Academic Expenses	49,325,710	Equipments	24,793,305
Income from Investments	8,514,527	Administrative & General Expenses	63,944,510	Computers	4,672,312
Other Incomes	11,164,595	Transportation Expenses	1,013,361	Furnitures & Fixtures	18,606,530
		Repairs & Maintenance	41,447,986	Software	7,458,332
		Finance Costs	9,473,426	Books	1,035,116
		Research and Development	7,367,551	Vehicle	1,724,755
		Depreciation	50,773,290	Research and Development	19,550,152
Total	**741,018,565**	**Total**	**599,369,376**	**Total**	**172,068,803**
		Capital Expenditure Total	172,068,803		
To Deficit (Excess of Expenditure over Income)	30,419,614				
Grand Total	**771,438,179**	**Grand Total**	**771,438,179**		

As per our report of even date.
Chenni Associates
Chartered Accountants

Sd/-
Finance Officer
KLE Technological University
Hubballi

Sd/-
Registrar
KLE Technological University
Hubballi

Sd/-
CA Suresh K Chenni
Proprietor
M NO 26214 FRN 000622S

Alumni Association

BVBian Mr.Akashdeep from Canada visits campus

On 29th December, 2018, Mr.Akashdeep visted campus. He has completed his PG Program in Digital Electronics during 2006. He is presently working as Senior Engineer in Canada.

He had good interactions with current PG students on the following with cases.

Attitude, Interpersonal communication and Life lessons.

Group of Alumni from 1990 batch visit

Sarita Hombali (from USA), Nagaraj Sheshappanavar (UK), Mamata Hiremath (USA), Shashi Hadagali (Mumbai), Prashant Hanamar (Kolhapur), Vedha (KHK Dwd), Sarita Deshpande (CIM, Polytechnic, Hubli) - most of them are from 1990 batch - came together to alma mater and had discussions with Prof.B.L.Desai, Registrar and shared their experiences on 15th December, 2018.

Rachana Kulkarni (Dixit) alumna visits campus

Rachana Kulkarni (Dixit) alumna of ECE, 1984 (fisrt batch of ECE) - Vice President, Federal Services, Maryland, USA visits her alma mater on 16th December, 2018.

She had good interactionw with staff on importance of Training the students on the following with cases:

· Taking responsibility / ownership

· Interpersonal communication

· Documentation

Technical Talk by CV alumni - Construction Practices in Bridge Construction Site

School of Civil and Environmetal engineering has organised a technical talk on "Construction pratices in bridge construction site for the benefit of students and faculty. The technical talk shall be presented by Mr.Ramanath Bhat 1994 CV alumni from Pune. It is scheduled on the 26th March, 2019 in Civil Department at 10.30 am on the campus.

Alumni Reunion 1971 Batch

Reunion of 1971 batch alumni was held on the 9th March, 2019 on the campus in BT Seminar Hall after 48 years of their graduation. It has been exciting moment for many of the alumni as they have come back after several decades to the College campus. They have been very impressed on the growth of the overall ambience of the College.

Following are the alumni who have been present on the occasion.

1.   Mr.B.S.Shimpukude (ME) – Chairman, Shimpukude Group of Companies, Kholapur.

2.   Mr.V.K.Hukkeri (EE) – Retd.Chief Engineer, KPTCL, Belagavi

3.   Mr.S.A.Magdum (EE) – Retd .Executive Engineer, KPTCL, Belagavi.

4.   Mr.M.T.Kulkarni (ME) – CMD, Goa Instruments, Goa.

5.   Mr.C.S.Hosamani (ME) – Business,Hubballi

6.   Mr.D.R.Kerure (EE) – Retd. Chief Engineer, HESCOM, Belagvi.

7.   Mr.L.K.Odugoudar (ME) – S.E.(CHP), Karnataka Power Corporation, Bengaluru.

8.   Mr.Jeevan C.Motagi (ME) – Manager, Akay Industries, Hubballi.

9.   Mr.G.M.Koyappanavar (EE) – Retd. SE, KEB, Hubballi.

10.   Mr.M.S.Andani (ME) – Retd. G.M.(Engg) IPCL / RIL, Vadodara, Gujarat.

11.   Mr.R.T.Yaragunti (ME) – Retd. Colonel, Indian Army, Dharwad.

12.   Mr.V.I.Nidagundi (ME) – Retd. G.M., HMT, Bengaluru.

13.   Mr.Shivakumar J. Tatti (ME) – Retd. Sr.Vice President, Kalyani Steels Ltd., Pune.

14.   Prof.T.Veeramahantesh Swamy (ME) – Freshman Coordinator, KLE Technological University, Hubballi.

15.   Mr.N.G.Bilagi, Ramadurga

Many of the alumni joined this reunion with their family members.

All the alumni rejoiced by recollecting times that they have spent in College and shared their professional experience.

Several of our teachers namely, Prof.V.S.Dhotrad, Prof. S.B.Kurubar, Prof. R.B.Ramji, Prof. G.K.Hubli and Prof.I.M.Kolhar have been felicitated on the occasion.

Dr.Ashok S.Shettar, Vice Chancellor, expressed his satisfaction to see alumni coming back after such a long gap and shared the moments of changes that have uplifted the status of Institute. Prof.B.L.Desai, Registrar explained how the strength of academics has transformed in BVB and highlighted about the placements that are taking place.

After lunch, alumni visited the Makers Shop in School of Mechanical engineering and were impressed to witness the machinery available for students to work for their projects.

Gururaj Joshi Civil Alumnus visits campus

We are pleased to comunicate that Mr.Gururaj Joshi Civil alumnus from 1983 batch who lives in Pune visited the campus on 21st February, 2019. He held interactions with civl students. HIs interaction helped students in understanding challenges in the Industry. This has been his active continous interaction with students.

Our BT Alumna secures 2nd Prize at "Biotechnology Entrepreneurship for Student Team" in Bangalore.

Friends, We are proud to present here an achievement of our BT 2015, alumna Ms..Soumya message that she secured 2nd Prize in a National Level Business Competition. We Congratulate her for her achievement.

Message:

Hello Sir/ Ma'am, I am Ms. Soumya S Kolachal. I am 2011-2015 batch. I did my B.E in biotechnology. Now I am doing my M.Tech in Chemical and Biotechnology from Savitribai Phule Pune University, Pune. Recently I and my team participated in a national level business pitching competition i.e., Biotechnology Entrepreneurship for Students Team (BEST)-18 which was held at Bangalore on December 2018. We secured 2nd place of prize money worth 3 lakhs in that competition. This competition was conducted by ABLE India and DBT, Government of India. I would like to thank BVBCET for giving me the foundation of Entrepreneurship in our curriculum..

Sixth semester Civil students visit Bridge Construction site in Sangli

Taking forward decisions that were taken during the International alumni Meet held in Pune on the 9th December, 2019 - a trip was planned for the students of sixth semester Civil Engineering students to visit the Bridge Construction site in Sangli. Nearly fifty students along with faculty visited the site. Mr.S I Halakatti (1984 CV) alumnus from Pune, coordinated the visit for the students.

Construction Practices in Bridge Construction Site - Tech Talk by Mr.Ramnath Bhat, Pune

The Technical talk on "Construction Practices in Bridge Construction Site" was conducted for fourth and sixth-semester students in order to have exposure to real-time difficulties connected with bridge construction, on the 26th March, 2019 in MBA Seminar Hall. The resource person has been Mr. Ramnath Bhat (CV 1994), Partner of A&R Engineers and Consultants, Pune and he has expertise is in the area of design of Temporary Structure/Formwork design for bridges. Nearly one hundred and twenty students have attended the Tach Talk.

The session included the presentation of series of photographs which demonstrate step by step construction of different types of Bridges. Students have acquired intricacies of bridge construction practices. This shall be followed up by visit to under construction bridge site near Sangli.

Session was followed by Faculty interaction with Mr. Ramnath Bhat, Many initiatives started by the School was explained to him and possibilities of students internship in Companies based in Pune was discussed

ROBERT BOSCH University Relations Team Appreciates KLE Tech

Please find the Appreciation from Robert Bosch University Relations Team.

Annual General Body Meeting 2018-19

Annual General Body meeting was held on the 27th October, 2018 in MBA Seminar Hall on University campus. During the program 22 beneficiaries were given scholarship of Rs.20000 each for their hostel needs under Nurture Merit @ BVBCET Project.

Mr. Shivanand Havanagi, our alumnus at Qualcomm Inc.,San Diego, CA, USA visits campus

It's a great pleasure having our alumnus Mr. Shivanand Havanagi, Sr Staff Engineering Manager at Qualcomm Inc since 2008 in San Diego, CA, USA, amidst us. He has agreed to have interactions with VLSI faculty & students.

Program is scheduled with faculty on 1st August, 2019 amd with students on 6th August, 2019.

We are pleased to put forward the brief profile of Mr.Shivanand Havanagi below.

KLE Tech Executive Leadership Team

Dr. Ashok Shettar
Vice Chancellor

Prof. B. L. Desai
Registrar

Dr. P. G. Tewari
Dean - Academics

Dr. B. B. Kotturshettar
Dean - Planning & Development

Dr. Uma Mudenagudi
Dean - Research & Development

Prof Gopal Joshi
Dean, Curriculum Innovation & programme assessment

Prof. S. B. Kurubar
Dean - Examinations

Dr. Anil Nandi
Controller of Examinations

Dr. Sanjay Kotabagi
Dean - Student Welfare

Heads of Schools / Departments

Dr. B. B. Kotturshettar
Mechanical

Dr. Nalini Iyer
Electronics &
Communication

Dr. Meena M
Computer Science

Dr. S. S. Quadri
Civil

Dr. A. B. Raju
Electrical & Electronics

Prof. A. C. Giriyapur
Automation & Robotics

Prof Uday Muddapur
Biotechnology

Dr. Vinaya Hiremath
Architecture

Prof P R Patil
Master of Computer
Applications

Prof S V Patil
Master of Business
Administration

Prof Sanjay Kotabagi
Humanity

Prof T V Swamy
First Year

Center Heads

Prof. Nitin Kulkarni
Director, KLE CTIE

Prof. Gopal Joshi
Director, CEER

Dr. Satyadhyan Chickerur
Coordinator, CIAP

Prof. C. D. Kerure
Placement Officer

Prof. Parikshit Hegde
Head, Infocell

Dr. M. R. Patil
Head, C & M Cell

KLE TECH

Annual Report 2018-19

KLE Technological University

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www.kletech.ac.in