



KLE Technological University
(Earlier known as BVB College of Engineering and Technology)
www.kletech.ac.in



KLETech
CEVI Centre of Excellence in
Visual Intelligence



KLE Technological University, BVB Campus, Vidyanagar, Hubballi – 580031, Karnataka, INDIA
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Vision

Our focus is to create a renowned, state-of-the-art facility equipped to create innovative visual intelligence solutions.

Objectives

1. To carryout collaborative research projects with other recognized institutes, build network of researchers, and provide common platform for sharing resources.
2. To facilitate industry collaborations for consultancy, technology development, and knowledge transfer towards socio-technical goals and start-ups.
3. To create world class research facility towards providing opportunities to students and research scholars in the domain.

Focused Areas

- Data Acquisition
- Visual Intelligence
- Immersive Mixed Reality
- On-device optimization

Received External funding since 2019:

DST/ICPS- Digital Poompur	62.66 Lakhs
DST/ICPS- IHDS	56.34 Lakhs
Total	1.19 CR

Assets available in SEED lab

List of Assets:	Quantity
• Intel Xeon E5 version 08 core	01
• Intel Xeon Gold 5115 20 core	01
• Intel Xeon CPU E3v5 2core	01
• Intel Xeon CPU E3v5 2core	01
• Intel Xeon Silver 4214Y 24 core	01
• AMD Raizen Threadripper 32 core	01
• Multispectral Camera	01
• NAS Storage	01
• DSLR	01
• Konnect Camera	08
• Go Pro	01

List of Faculty from KLETech part of Collaboration

Project	Name
Data Acquisition	Uma K Mudenagudi
	Meena S M
	Ujwala B Patil
	Shankar G
	Sujata C
	Ravi Guttal
	Uday Kulkarni
	Ramesh Tabib
	Uma K Mudenagudi
Visual Intelligence	Ujwala B Patil
	Shankar G
	Ramesh Tabib
	Chaitra Desai
	Ashwini Kamte
	Vijay Elegar
	Nirmala Patil
	Uma Devi F M
	Kaushik K
Immersive Mixed Reality	Uma K Mudenagudi
	Shankar G
	Ramesh Tabib
	Vinay Tigadi
On-device optimization	Meena S M
	Uday Kulkarni
	Meenakshi Raikar
	Ashok C
	Sunil V G
	Parikshit Hegde
	Shashidhar V
	Pratiksha Benagi
Priyadarshini Patil	

Konnect Camera



Konnect enables easy video calling through the TV. It has three parts: The Hub is mounted to the top of the TV and has the camera for making video calls to the TV with an HDMI cable.

Go Pro



- Take ultra-wide-angle pictures. The GoPro allows you to get close to your subject to create a pleasantly distorted sense of perspective.
- Capture time-lapse footage.
- Capture video of yourself taking photographs.
- Mount the camera remotely.
- Put the GoPro in harm's way.

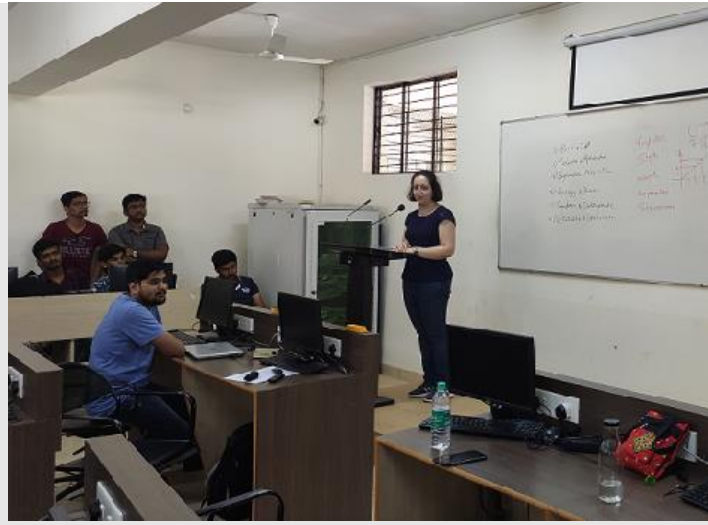
Multispectral Camera



Multispectral imaging measures light emission and is often used in detecting or tracking targets, researchers at the United States Army Research Laboratory and the Federal Laboratory Collaborative Technology Alliance reported a dual band multispectral imaging focal plane array (FPA)

Interactions with outside world

Interaction with **Dima Damen** (Associate Professor, University of Bristol)



International Heritage Symposium and Exhibition (IHSE)



Interaction with **Andrew Zisserman** (Professor, University of Oxford)

