

**VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING &
TECHNOLOGY
DEPARTMENT OF ECE**

Centre of Excellence Machine Vision (CoEMV)

- » To launch new and innovative academic Research and extension Programmes in focused areas and fill knowledge gaps.
- » To take up Sponsored / Grants – in - Aid Research projects from industry, dept of Defense, S&T, E&IT and other Research Agencies.
- » To initiate major Programmes / activities of regional / national / International interest and importance.
- » To reach Leadership position in the chosen field.
- » To become highly successful in gaining the confidence, respect and admiration of society.
- » Strengthen academic and Research facilities and infrastructure for achieving excellence in the chosen areas.

Mission of CoEMV

Through applied Research, with unique initiatives in the department, the Centre of Excellence in Machine Vision of ECE will develop the proficiency of faculty and the students with particular emphasis on research in communications, Signal Processing, VLSI and Embedded systems.

Current focus areas:

Sponsored Projects:

S.No	Project title	Funding Agency	Principal Investigator	Date of sanction	Sanctioned amount Rs. (lakh)	Duration
1	Development & Implementation of Algorithm for Real Time Home Automation System to assist Paralyzed Patients using Eye	UGC minor	Dr. L. Padma Sree	16/08/2014	2 Years	2.77

	Blinking					
2	FM Based Switch for Street Light Control	M/s X Design Ventures, Hyderabad	K.B. Archana K.Radha	18/11/2010	4 yrs	6.00

Trainings & Workshops conducted :

S.No	Project title	Funding Agency	Principal Investigator	MOU date	Sanctioned amount Rs. (lakhs)	Duration
1	Real Time Signal & Image Processing	SDP,AICTE	Dr.Y.Padma Sai	12/12/2012	4.86	2 Weeks

Publications:

S.no	Type of publication	No. of papers
1	International journals (PEER Reviewed)	8
2	International conferences (IEEE Conference)	3

On going academic Projects:

S. No	Name of Student	Title of the Project	Project Supervisor
1	G.Usha Rani	Embedded Face Recognition in Standalone System	K.Aruna Kumari

2	R.Shiva Priya Varma	Early Stage Detection of Urinary Blood Cancer From MRI SCAN	Helan Satish
3	Divija	Suitable Image Retrieval for IOT Applications	V.Krishna Sree
4	Chakrapani	FPGA based Image Processing for Street Light Monitoring	Dr.Y.Padma Sai
5	M .Rama Devi	Implementation of an Algorithm for Virtual System to Paralyzed Patients using Beagle Board	G.Vijaya Kumar
6	K .V .Lakshmi Prasanna	Video Classification	N. Dhana Lakshmi