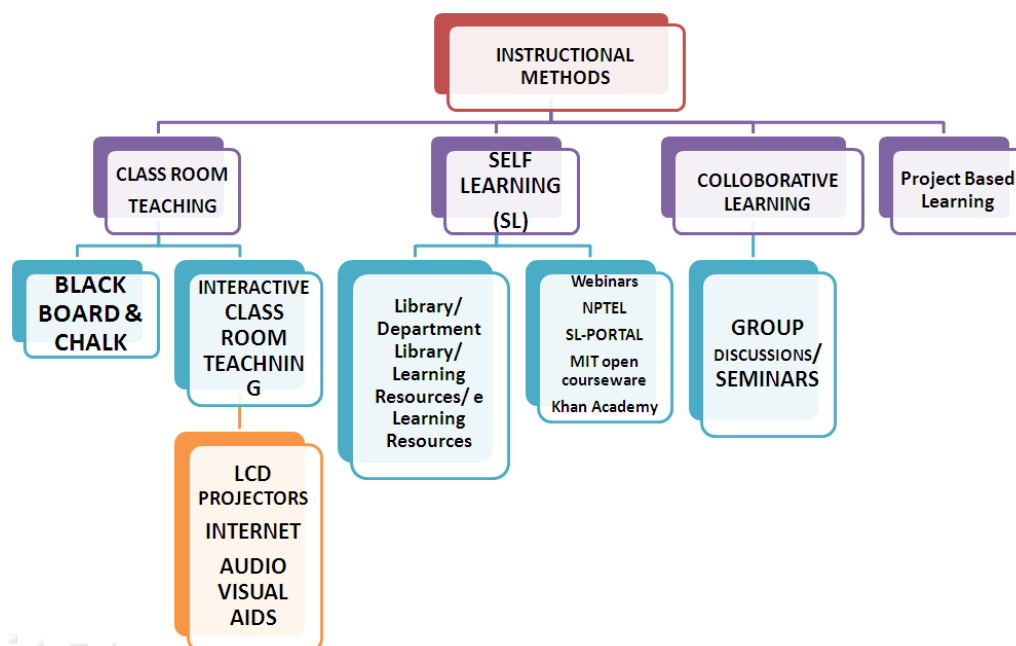


## ^BENEFITS OF STUDENTS:

### PEDAGOGICAL INITIATIVES

- CLASSROOM TEACHING
- INTERACTIVE LEARNING
- COLLABORATIVE LEARNING
- INDEPENDENT LEARNING
- E-LEARNING RESOURCES
- IMPROVE QUALITY OF TEACHING LEARNING



### CERTTIFICATION COURSES

ARM (training certification)

	2017-18	Nature of the work
Faculty	3	All got training completed certificate
Students	44	All got training completed certificate

## NI LABVIEW

	2017-18	Nature of the work
Faculty	2	ALL are certified
Students	35	ALL are certified

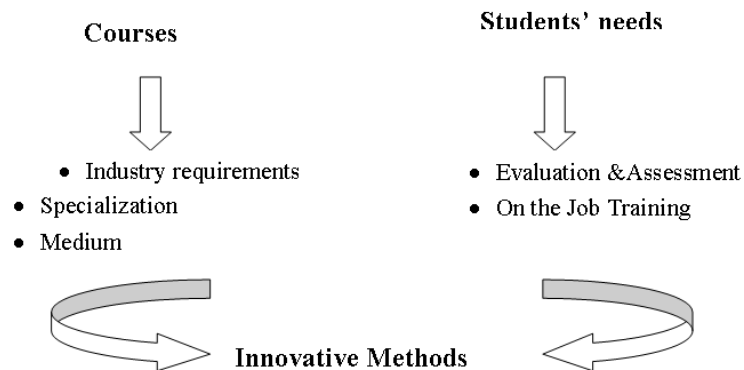
## CISCO

	2017-18	Nature of the work
Faculty	3	Certified in training
Students	109	IN progress

## INNOVATIVE TEACHING METHODOLOGIES

### Innovations by the Faculty in Teaching and Learning

**Our goal: Clarity is the key**



To improve the level of understanding in students, the following innovative teaching approaches are undertaken by the institution.

1. ICT supported learning
2. Soft skill
3. Socio constructivist perspective
4. Classroom discussions
5. Short presentations
6. Group projects
7. Mind Map
8. Z to A approach
9. Role play
10. Brown bag



Role Play

Mind Map



Group projects



Brown Bag approach

Year	ICT	SS Workshop	SCP	CD	Z to A	BB	MM	SP	RP
2013-14	15	9	2	0	0	1	2	0	0
2014-15	15	0	0	1	0	0	0	2	1
2015-16	21	0	3	0	2	1	0	0	0
2016-17	21	0	1	1	0	1	1	0	0
2017-18	7	0	0	1	0	2	1	0	1

Socio constructivist perspective



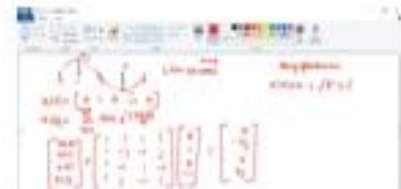
Evaluation



Miming Role Play



Never Miss a Class



**1.ICT supported learning:** The following faculty attended an AICTE approved 75 days course conducted online by IITB "USE OF ICT IN EDUCATION FOR ONLINE AND BLENDED LEARNING ".The faculty have been given practical exercises on creating WEBSITE, MOOCS, to upload course material, conduct online quiz and assignment. The faculties have been using MOODLE

effectively in regard to the courses handled by them. Detailed contribution by individual faculty members is provided below.

### 2017-2018

S. No.	Faculty Name	Course	Animated PPTs	Video presentation	Online assignments and quiz	Discussion forum	Evaluation and feedback
1	Dr K.Vasanth	SS	Yes	Yes	Yes	Yes	Yes
2	G.Annapurna	PTSP	Yes	---	Yes	Yes	Yes
3	K.Lakshmi Lokesh	DIP	Yes	Yes	Yes	Yes	Yes
4	Dr K.Hari Krishna	COA	Yes	Yes	Yes	Yes	Yes
5	A.Pavitra	ESD	Yes	Yes	Yes	Yes	Yes
6	Y.Aruna	MWE	Yes	Yes	Yes	Yes	Yes
7	Maznu Shaik	AWP	Yes	---	Yes	Yes	Yes

### PROJECT BASED LEARNING

1. The Concepts of the subject are explained in the classroom, consists series of lectures that covers all basic concepts.
2. Then the software pertaining to the simulation/synthesis/execution/evaluation taught to the students.
3. The students are attended to the workshops to gain knowledge.
4. As a result these discussions and clarifications on different issues, our students are able to complete design, synthesis, simulate and understand the concepts of engineering through their real time projects.

During the period of study in the 6th to 8th semester, many real time projects are given to the students and they are guided by both faculty and Industry/Research personnel.

S.No	Title of The Paper	Name of the Faculty	Journal/Conference	year
1	An innovative inter disciplinary teaching and learning methodology for outcome based education	M.Rajendra Prasad	JEET special issue,jan 2017,ISSN:2349-2473 & 4 <sup>th</sup> ICTIEE	January 2017
2	OBE based industry academy approach for	M.Rajendra Prasad	JEET special issue,jan 2017,ISSN:2349-	January 2017

	embedded system design course		2473 & 4 <sup>th</sup> ICTIEE	
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## INTERNSHIPS

### 2017-2018

Sl.no	Roll no	Internship at	Duration
1.	14911A0402, 14911A0407, 14911A0416, 14911A0457	CISCO	2 Weeks
2.	14911A0435, 14911A0482, 14911A0493	Doordarshan	2 Weeks
3.	14911A04B0, 14911A04D4, 14911A04F8	BSNL	1 Weeks
4.	14911A04K7, 14911A04N5, 14911A04P3	ECIL	2 Weeks

## WEBINARS

- Web-based presentation is transmitted over the web using video conferencing software. A key feature of a webinar is its interactive elements: the ability to give, receive and discuss information in real-time. Using Webinar software, participants can share audio, documents and applications with webinar attendees.

### List of webinars conducted

WEBINAR TITLE	DATE	EXPERT	INSTITUTE	URL
Engineering Education Research	11-9-17	Dr. Scotty Craig	Arizona state University	<a href="https://attendee.gotowebinar.com/register/918835407599175171">https://attendee.gotowebinar.com/register/918835407599175171</a>
Remote labs course fall 2017	4-9-17	Mr.B.Kalyan ram	Electrono solutions	<a href="http://attendee.gotowebinar.com">http://attendee.gotowebinar.com</a>
Project management course fall 2017	4-9-17	Dr. Vijay kanabar	Boston University	<a href="http://attendee.gotowebinar.com">http://attendee.gotowebinar.com</a>
Outcome base education course fall 2017	4-9-17	Dr.Ashok shettar	KLE Tech university	<a href="http://attendee.gotowebinar.com">http://attendee.gotowebinar.com</a>
Attendance in class and motivation to study in a engineering course	22-5-17	Proff.Azeem unissa	HITAM	<a href="http://attendee.gotowebinar.com">http://attendee.gotowebinar.com</a>

A case study on Interdisciplinary project based learning	22-5-17	Prof.S.M.H irikude	Sanjay ghodawat institutes	<a href="http://attendeegotowebinar.com">http://attendeegotowebinar.com</a>
Design & Verification of digital systems on FPGA	22-5-17	Dr.Mahendra	MLR Institute	<a href="http://attendeegotowebinar.com">http://attendeegotowebinar.com</a>
Cohesive teaching learning practices	1-5-17	Prof.Sivasangam	GMR institute of technology	<a href="http://attendeegotowebinar.com">http://attendeegotowebinar.com</a>
Introduction to IOT	10-06-17	Prof. Sudip Misra	IIT Kharagpur	<a href="https://www.youtube.com/watch?v=BXDxYh1EV2w">https://www.youtube.com/watch?v=BXDxYh1EV2w</a>
Basic electronics	04-02-17	Prof. Mahesh Patil	IIT Bombay	<a href="https://www.youtube.com/watch?v=B3pZrDw7GfY">https://www.youtube.com/watch?v=B3pZrDw7GfY</a>

### TEACHING LEARNING PROCESS:

### SCIENTIFIC PUBLICATIONS:

2017-2018

S. No.	Gap	Action taken	DD-MM-YY	Resource Person/ Designation	%of Students	Relevance to POs, PSOs
1	Implementation of Image Processing using open source software	Workshop	18/08/2017 & 19/08/2017	Dr Manjunatha chari, Prof in ECE, GITAM University, Hderabad. Dr E.Narahari sathery, Prof in ECE, CBIT, Hyderabad. Dr P.Ganeshan, Prof in ECE, VJIT, Hyderabad. Dr K.Vasanth, Prof in VJIT, Hyderabad.	95% of students	PO1, PO2, PO3 PSO1, PSO2.
2	Real time Embedded systems and IoT	Guest Lecture	23/08/2017	M.Rajendra Prasad, Prof in ECE, VJIT, Hyderabad.	Benefited by 100% of students	PO1, PO2, PO7, PO8 & PSO1

<b>S.No</b>	<b>Name of the Student</b>	<b>Title of The Paper</b>	<b>Journal/ Conference</b>	<b>Volume/ Issue No /Page No/ ISSN No</b>	<b>Journal</b>	<b>year and month</b>
<b>1</b>	H.Roopak	Smart card system using NFC	International Journal	Vol. 03, Issue 08	International Journal for Modern Trends in Science and Technology	