



# A.C.S. COLLEGE OF ENGINEERING BENGALURU

(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi and Govt. of Karnataka)

## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING *NEWSLETTER*

VOLUME – 1, ISSUE – 1

ACADEMIC YEAR 2014-15



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Associate Professor, Department of ECE

**Mr. Vijay Mahantesh**

Assistant Professor, Department of ECE

## ABOUT ECE DEPARTMENT

The Department of Electronics and Communication Engineering lays emphasis on Teaching and Research activities in different areas thereby, moulding the students to be Technical Engineer, Entrepreneur and Ethical Leaders.

## COURSES OFFERED

### B.E – ELECTRONICS & COMMUNICATION ENGINEERING

The department was started in 2009 with an intake of 60. The department of Electronics and communication Engineering is certified by ISO. The Department has an outstanding track record and has consistently intended to produce Electronics & Communication Engineering graduates of exceptional quality and calibre. The educational objective for Electronics & Communication Engineering program are designed to produce competent engineers who are ready to contribute effectively to the advancement of Electronics & Communication Engineering.

### M.Tech – DIGITAL ELECTRONICS & COMMUNICATION SYSTEMS

The Department of Electronics and Communication Engineering is offering M.Tech in Digital Electronics & Communication Systems (from 2014 on wards). The course is approved by AICTE, Government of Karnataka and is affiliated to Visveswaraya Technological University, Karnataka. It is course providing in-depth knowledge to students of Electronics and communication background in various subject of current interest like Advanced Digital Communication, Modern DSP, Advanced Embedded System, Antenna Theory and Design, Digital Electronics, Error control and coding, Advanced Computer Architecture, along with a course on Linear Algebra and elective courses like CMOS VLSI Design, Wireless & Mobile Network, Advances in VLSI design, Real Time Operating System which the student have option to select various other subjects of their interest.



## FACULTY DETAILS

PARTICULARS	QUANTITY
TEACHING FACULTY	14
NON TEACHING FACULTY	4
COMPLETED Ph. D	2
PURSUING Ph. D	4

## STUDENT DETAILS

PARTICULARS	QUANTITY
I –YEAR	39
II – YEAR	57
III – YEAR	23
IV - YEAR	36

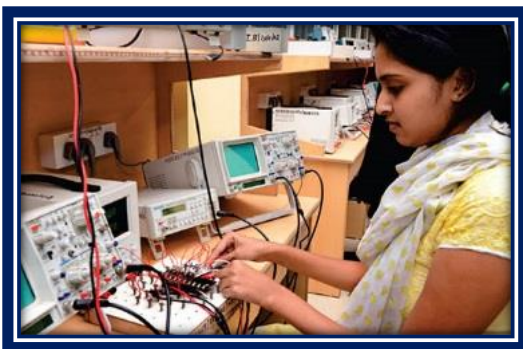
## LABORATORY DETAILS



Analog Electronic Circuits Lab



Logic Design Lab



Analog Communication Lab



P.G Lab



## LABORATORIES DETAILS



Linear Integrated Circuits Lab



Microprocessor & Microcontroller Lab



VLSI Lab



HDL Lab



Advance Communication Lab



Digital Signal Processing Lab

**PROGRAMME ORGANIZED IN THE DEPARTMENT**

S.No	PROGRAMME
1	One day workshop was conducted on “Texas Instruments ALSK Pro” by EdGate Technologies Pvt., Ltd., Bengaluru on 12 <sup>th</sup> September 2014.
2	One day workshop was conducted on “Arm Processor”, by Embience Technologies, Bengaluru on 8 <sup>th</sup> August 2014.
3	One day seminar was conducted on “Intel Galileo – Features & Applications” by Intel Face, Bengaluru on 23 <sup>rd</sup> March 2015.
4	One day workshop was conducted on “Make Objects, Gadgets & Robots using Microcontroller” by ERP Labs, Bengaluru on 27 <sup>th</sup> March 2015
5	One day National Level Conference “Signal Processing, Computing and Networks – SPCN’15” was organized on 31 <sup>st</sup> March 2015.

**INDUSTRY VISIT & IN-PLANT TRAINING**

S.No	PROGRAMME
1	II, III and final year ECE students visited the Satellite Centre of ISRO, Bengaluru on 11 <sup>th</sup> September 2014.

**STUDENT PROJECT WORK**

S.No	PROGRAMME
1	13 projects were undergone by Final year students in the academic year 2014-15
2	One of the project by Mr. G. Rakesh, Student, Final year was selected and sponsored by KSCST guided by Mr. Rahul Rai, Assistant professor, ECE Department.

## CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

S.No	PROGRAMME
1	Amarashree.P, Parimala.N, Ashika.V, Vinutha.K.V & Dr. A. Muruganandham, 2015, "Security enhancement of ATM system through Human Body", Presented on National Conference on Research challenges in Power, Control, Communication and Instrumentation leading to Sustainable Technologies – NCPCCI'15, R.V. College of Engineering, Bangalore.
2	Amarashree.P, Parimala.N, Ashika.V, Vinutha.K.V & Dr. A. Muruganandham, 2015, "Smart ATM Machine using RedTacton", Presented on National Conference SPCN-15, ACS College of Engineering, Bangalore.
3	Mynavathi.S, Dhruvya.B.C, Nayana.K, Shifali.K.R & Dr. M.Mathivanan, 2015, "Wireless serial Data synchronization methodology for secured Money Transaction using Multi account Embedded ATM card", Presented on National Conference SPCN-15, ACS College of Engineering, Bangalore.
4	Gayathri.B, Tejeswini.N.D & Dr. M. Mathivanan, 2015, "Implementation of Heart Rate Monitoring System", Presented on National Conference SPCN-15, ACS College of Engineering, Bangalore.
5	Amrutha Shivana, Priyanka.G, Shruthi. M. Amaravathi, Sindhu.G.M & Vijayakumar.H.R, 2015, "Smartech Helmet System", Presented on National Conference SPCN-15, ACS College of Engineering, Bangalore.
6	Chandrashekar. B.R & Kantharaju.A.G, 2015, "Density based traffic control using IR Sensors", Presented on National Conference SPCN-15, ACS College of Engineering, Bangalore.
7	ECE students were participated in volley ball match organized by VTU.
8	ECE students were participated in various sports organized by our college in Sports Meet 2014-15 on 13 <sup>th</sup> & 14 <sup>th</sup> March 2015.
9	EPIC – A forum of ECE, conducts Seminars, Cultural and Sports within the department.
10	Our department Final year students N.H. Gagan, Pre-final year students S.Lakshmi, T.M. Rakshitha, Ankith Kumar, S.N. Rakesh Gowda, M.M. Sachin and Second year students R.V.Ishwarya, K.S. Rashmi participated in different events like Instruments, Western Group Singing, Clay modelling, Tribal Dance, Skit and Debate recently held on "Youth Collegiate Fest 2015" at VTU, Belgaum during 27 <sup>th</sup> to 30 <sup>th</sup> March 2015 and N.H. Gagan won II prize for Clay Modelling.

## STAFF ACHIEVEMENT

S.No	PROGRAMME
1	Prof. A.M. Prasanna Kumar was acted as Jury in the “Project Open House Expo-14” conducted by the R.N.S. Institute of Technology, Bangalore.
2	A text book “Basic Electronics” was written by Mrs. Bharathi. G and Mrs. Vanishree Moji along with Mr. M. V. Rao. Published by Subhas Stores.
3	Bharathi Gururaj & Dr. G. Sadashivappa, 2015, “Image coding, Packetization and Channel coding”, IJARSE, Vol. 4, Issue 1.
4	Ramesha. M & Dr. T. Venkata Ramana, 2014, “Analysis of polyphase filtering & FFT in FBMC transceiver”, IJECT, Vol. 5, Issue 3.
5	Ramesha. M & Dr. T. Venkata Ramana, 2015, “Channel Estimation Technique in OFDM System”, Presented on National Conference SPCN-15, ACS College of Engineering, Bengaluru.

## MEMBERSHIP OF PROFESSIONAL BODIES













S.No	PROGRAMME
1	Mr. A. M. Prasanna Kumar, Professor & Head is the Life member of ISTE, Fellow member of IETE, Member of IEEE and MSEM Engineers(India).
2	Dr. A. Muruganandham, Professor is the Life member of ISTE and VLSI Society of India (VSI) and member of IEEE.
3	Dr. M. Mathivanan, Associate Professor is the Life member of ISTE and IETE.
4	Prof R.J. Kavitha, Associate Professor is the Life Member of ISTE.

## PLACEMENT

Our students are placed in Intel, Wipro, Mindtree, EMC<sup>2</sup>, HCL, Capgemini etc. Some of the students are Entrepreneur and some of them are doing their Higher studies.



## CLASS TOPPERS

BATCH	I RANK	II RANK	III RANK
<b>II SEMESTER</b>			
2014 – 2018	 ANAM FATIMA – 84%	 VENKATESH. K.V – 74.4%	 NAGASHREE GURURAJ – 72%
<b>IV SEMESTER</b>			
2013 – 2017	 MANJUSHREE.G – 70%	 CHARITHA.N – 68%	 RAMYA. B – 67.3%
<b>VI SEMESTER</b>			
2012 – 2016	 LAKSHMI. S – 69%	 MONIKA GANGA. T.G – 68%	 AKSHAY. M.R – 67%
<b>VIII SEMESTER</b>			
2011 – 2015	 PRIYANKA. G -72%	 BHARATH. N – 70.3%	 AMARASHREE. P -70%



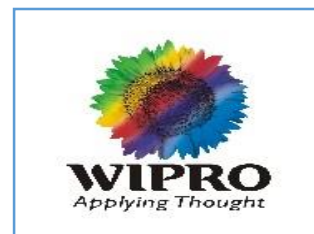
## OUR RECRUITERS



**HCL**



**EMC<sup>2</sup>**



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