



A.C.S. COLLEGE OF ENGINEERING

#207, KAMBIPURA, MYSURU ROAD, BENGALURU - 74

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

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

NEWSLETTER

VOLUME : 4

ACADEMIC YEAR : 2018-19



CHIEF PATRONS

Dr. A.C. SHANMUGAM, B.A. LLB, FIMSA, FRCPS(Glasgow, UK)
Chairman, Rajarajeswari Group of Institutions

A.C.S. ARUNKUMAR, B.Tech(Hons), LMISTE, MIET.(UK), LMCSI.,
Vice Chairman, Rajarajeswari Group of Institutions

PATRONS

Dr. S. VIJAYANAND, Ph.D
Executive Director, Rajarajeswari Group of Institutions

Sri. C. N. SEETHARAM, IAS (Retd.)
CEO, Rajarajeswari Group of Institutions

Dr. S. JEYABALAN, Ph.D
Special Officer, Rajarajeswari Group of Institutions

Dr. M. S. MURALI, Ph. D.
Principal, ACS College of Engineering

HEAD OF THE DEPARTMENT

Dr. H.B. BHUVANESWARI
Professor & Head, Department of ECE

EDITOR

Dr. M. MATHIVANAN
Associate Professor, Department of ECE

ABOUT ECE DEPARTMENT

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 Create Electronics & Communication Engineering graduates of exceptional quality and caliber. The UG Programme is accredited by **NBA** and the institution is accredited by **NAAC with 'A'** grade. The educational objectives of Electronics & Communication Engineering program are designed to produce competent engineers who are ready to contribute effectively to the advancement in Electronics & Communication Engineering. 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 Visvesvaraya Technological University, Karnataka. These courses provides in-depth knowledge to our students about various recent trends in ECE 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. Highly qualified senior faculty member to guide the students.

VISION

Impart quality education to create world class technocrats and entrepreneurs with new ideas and innovations to meet industry expectations through advanced research.

MISSION

- To develop and deliver quality academic programmes in emerging and innovative field of Engineering to empower the students to meet Industry Standards.
- To build student community with high ethical standards to undertake R&D in thrust areas of national and international needs.
- To create centre of Excellence by establishing the incubation centres to meet global research challenges.

COURSES OFFERED

B.E – ELECTRONICS & COMMUNICATION ENGINEERING

M.Tech. – DIGITAL ELECTRONICS & COMMUNICATION SYSTEMS

PROGRAMME ORGANIZED IN THE DEPARTMENT

TECHNICAL TALKS OF ODD SEMESTER

Sl. No.	Details of the Programme	Date of Lecture	Title of Lecture Delivered
1	Dr.H.B.Bhuvaneswari HOD, ECE	06/08/2018	Orientation Program
2	Mr.Arul, Associate Professor, BME	06/08/2018	Partnership with Intel Career Breakthrough Program
3	Interaction with students by Rector	07/08/2018	Motivational Talk
4	Technical Talk	07/08/2018	Importance of Machine Learning & Artificial Intelligence
5	CTDS	27/08/2018	Awareness program
6	Induction Program to first year students	25/08/2018	Technical Talk on MATLAB
	Seminar	16/08/2018	Global education awareness program

WORKSHOP

1	2 Days Workshop	27/09/2018 & 28/09/2018	Labview getting started and fundamentals
2	2 Days Workshop	27/09/2018 & 28/09/2018	Technical Training on C
	1 Day Workshop	29/09/2018	VLSI Design

NATIONAL CONFERENCE, PROJECT EXHIBITION , SYMPOSIUM ETC.

1	Acstronix-2018	5/10/2018	Symposium
2	Alumni program	08/09/2018	Alumni day-2018
3	Graduation Day	31/08/2018	Graduation Day-2018

INDUSTRIAL VISIT

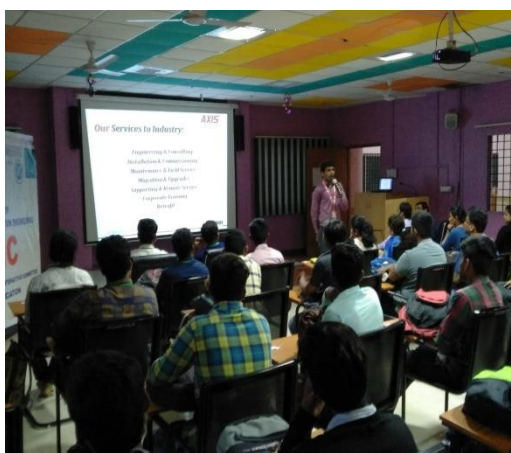
1	JVS Electronics	19/09/2018	5 th Semester ECE students
2	Visvesvaraya Industrial and Technological Museum	19/09/2018	3 rd Semester ECE Students



Special Lecture on “Carrier Guidance and Higher studies in abroad”



IISC, Bangalore - Climate Change Quiz Competition



Technical Talk on “Industrial Automation”



Technical Talk on “Recent Trends in Electronics”



Technical talk on “Study Destinations World Wide”



Training Programme of ICT Skill Development Society

TECHNICAL TALKS OF EVEN SEMESTER

Sl. No.	Name of the Invited Scholar with full Address	Date of Lecture	Title of Lecture Delivered
1	Mr. Makes Kannian	15/04/2019	Solar Panel Installation
2	Mr.Kannan	16/04/2019	IoT with Sensors
3	Ms. Priya Hegde & Ms. Latha	18/03/2019,19/03/2019 & 22/03/2019	Meditation
4	Mr. Anantha Padmanabha G	02/04/2019	Formula for efficient work
5	Mrs. Navatha Chebrolu	11/02/2019	Awareness Program on Higher Education and Career Opportunities
6	Mr. Shyam Solaraju CTDS	31/01/2019	Internship
	Dr.H.B.Bhuvaneswari	23/02/2019	Team building Activities

WORKSHOP

1	Mr.Anantha Somayaji	29/04/2019 & 30/04/2019	Programming with C++
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NATIONAL CONFERENCE, PROJECT EXHIBITION , ETC.

1	Chief Guest Dr.H.N.Shivashankar	21/05/2019	National Conference-SPBCN 2019
2	Mr.Kalyanam Kannan	08/05/2019	Project Exhibition - Anveshana -2k19
3	All ECE faculty members and Students	18/05/2019	Farewell day

INDUSTRIAL VISIT

1	VII Sem students	26/03/2019	KPCL
2	V Sem Students	27/03/2019	HAL Museum



**Mr. Chetan R.P. delivering the talk
on Embedded systems**



**Technical talk by Mr. Satish,
Siemens Automation**



**Mr. Nisarg Nirmal Kumar delivered
the talk on Modern day Automobiles
Electromechatronics"**



**FDP on "Applications on Mat lab,
Speech Processing, Image
Processing"**



Industrial Visit to ISRO



**Industrial Visit to Varahi power
Plant, Udupi**

One day Symposium ACSTRONIX-2017



Dr. Venugopal



FACULTY MEMBERS PUBLICATION DETAILS

Sl.No	Faculty Name	Title of the Paper	Details of publication	Year
1	Dr. H B Bhuvaneswari	Smart controlling of appliances in power line communications using LabVIEW	Advances in Power Systems and Energy Management International, Springer Lecture Notes in Electrical Engineering, pp.571-583	2018
		A review on dielectric properties of biofiber-based composites	Advanced Composites and Hybrid Materials, Springer Book, Volume 1, Issue 4, pp 635-648	2018
2	Prof. A M Prasanna Kumar	Adaptive Algorithms Performance Analysis for Noise Cancellations using Neural Networks employing real time signals	Advances in Intelligent Systems and Computing, Vol. 4, Issue 6, PP:393-402	2018
3	Dr. M. Mathivanan	IoT based Continuous monitoring of cardiac patients using Raspberry PI	AIP Conference Proceedings, ICONSET 2018, ACS College of Engineering, Bengaluru	2018
		Performance evaluation of white noise for different noisy speech signal in mobile applications	AIP Conference Proceedings, ICONSET 2018, ACS College of Engineering, Bengaluru	2018
		A Survey on Face Recognition using different techniques	3 rd IEEE International Conference on ICEECCOT-2018 at GSSS Institute of Engineering & Technology for Women, Mysuru.	2018
		A survey on In-loop filters of High Efficiency Video Coding Standard	3 rd IEEE International Conference on ICEECCOT-2018 at GSSS Institute of Engineering & Technology for Women, Mysuru.	2018

FACULTY MEMBERS PUBLICATION DETAILS

Sl.No	Faculty Name	Title of the Paper	Details of publication	Year
4	Mrs. Bharathi Gururaj	Error Resilient Transmission of image over challenging wireless communication channel	AIP Conference Proceedings, ICONSET 2018, ACS College of Engineering, Bengaluru	2018
5	Mr. Harish L	IoT based Continuous monitoring of cardiac patients using Raspberry PI	AIP Conference Proceedings, ICONSET 2018, ACS College of Engineering, Bengaluru	2018
6	Mr. Vijayakumar H.R	A Survey on Face Recognition using different techniques	3 rd IEEE International Conference on ICEECCOT-2018 at GSSS Institute of Engineering & Technology for Women, Mysuru.	2018

Scholars pursuing Ph.D under ACS Research Centre

Sl.no	Research Guide	Research Centre	Name of the Scholar	Topic of the Research	Year of Registration
1.	Ms. Manasa Charitha	ACS Research Centre, Dept of ECE, ACSCE	Dr. H.B. Bhuvaneshwari	Communication Systems	2017
2.	Ms. H.R. Niveditha	ACS Research Centre, Dept of ECE, ACSCE	Dr. S. Anitha	Biomedical Engineering	2017
3.	Mr. S.CH. Vijaya Bhaskar			Image Processing	2017
4.	Mrs. P. Vanajakshi	VTU Research Centre, Dept of CSE, ACSCE	Dr. M. Mathivanan	Speech Recognition	2016

VTU RESEARCH GUIDESHIP DETAIL

S.No	Guide Name	Number of Scholars
1	Dr. H.B. Bhuvaneshwari	01
2	Dr. A.Muruganandham	01
3	Dr. S. Anitha	02
4	Dr. M. Mathivanan	07

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