



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 : 3

ACADEMIC YEAR : 2017-18



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 produce 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 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. 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. 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.

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.	Name of the Invited Scholar with full Address	Date of Lecture	Title of Lecture Delivered
1	Mr. Raghunath V, Mr. Chethan R P ECIL, Bengaluru	22/8/2017	Recent Trends and Career Awareness Programme in Embedded Systems
2	Mr. Sathish Kumar Siemens, Bengaluru	23/8/2017	Industrial Automation
3	Mr. Haider Global Opportunities Pvt. Ltd	04/09/2017	Global Opportunities
4	Mr. Suresh Chakala Siemens, Bengaluru	22/09/2017	Automation and Mechatronics
5	Mr. Arun John Mathias Core EI Technologies, Bengaluru	23/09/2017	Recent Trends in Electronics
6	Mr. Harsha Kakkeri Founder, Design Boat	25/09/2017	UI/UX Studio
7	Mr. Shivanand Koteswar Director, Media Tek, Bengaluru	06/10/2017	Recent Technologies in Electronics by Media Tek
8	Mr. Ravi Edwise Consultants Pvt. Ltd.	24/10/2017	Carrier Guidance and Higher Studies Abroad

FACULTY DEVELOPMENT PROGRAMME

1	Mr. Senthil Kumar and Team, Chennai	30/7/2017	Becoming Guru
2	Mr. Rajashekar, Corporate Trainer, AOL	18/11/2017	How to be Happy and Feel Relaxed
3	Dr.M.Mathivanan Associate Professor, ECE Dept., ACSCE	12/12/2017	CO & PO Mapping

SYMPOSIUM

1	ECE Department	10/11/2017	ACSTRONIX-2017
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INDUSTRIAL VISIT

1	ECE Department	18/09/2017	BMRCL
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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 Address	Date of Lecture	Title of Lecture Delivered
1	Uniqval Solutions, Bangalore	06/02/2018	Technical Discussion
2	Mr. Ravindra Karnad Director, Prudent Eco Systems Pvt. Ltd., Bangalore	03/04/2018	Real life needs Real Education
3	Mr. Nisarg Nirmal Kumar Co-Founder, Skillfinito Technologies, Bangalore	10/04/2018	Modern Day Automobiles-Electro Mechatronics

WORKSHOP

1	Anantha Somayaji Director, Uniqval Solutions, Bangalore	11/04/2018 & 12/04/2018	Software Testing
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FACULTY DEVELOPMENT PROGRAMME

1	ECE Faculty Members	08/06/2018	Introduction to MATLAB and its Applications
2	Dr. H B Bhuvanewari HOD, ECE	09/06/2018	Natural Home Remedies for Good Health

INDUSTRIAL VISIT

Sl. No	Students Attended	Date of Lecture	Place of Visit
1	Students of Sixth Semester	23/04/2018	ISRO Satellite Center
2	Students of Fourth, Sixth, Eight Semesters	22/04/2018 to 24/04/2018	Varahi Underground Power Plant

INTERNSHIP

1	Fourth & Sixth	29/1/2018 To 03/02/2018	BSNL, Jayanagar
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Mr. Chetan R.P. delivering the talk on Embedded systems



Technical talk by Mr. Satish, Siemens Automation



Final year students received the fund of Rs. 5000/- from VTU for the "Best Project" for the title of "Smart Elevator using IOT"



Final year students participated in the Project Exhibition conducted by VTU, Belagavi

PROGRAMME

The Final year students have done 8 projects for the academic year 2017-18 and 2 projects were selected as the Best from ECE department. VTU Belagavi sponsored Rs.5000/- each to the projects and the project from ECE named as 'IoT based Smart Elevator' project was selected as the best project in the institution level. Finally one project was shortlisted to participate under the VTU project Exhibition cum Competition conducted on 28th June, 2018.

FACULTY MEMBERS PUBLICATION DETAILS

Sl.No	Faculty Name	Title of the Paper	Publisher Details	Details of publication	Year
1	Dr. H B Bhuvanewari	Plant based completely biodegradable printed circuit boards	IEEE Transaction on Electron Devices	Volume 63, pp 4893-4898, Impact Factor – 2.62	2016
		A study on the potential of using plant proteins as electrolytes in a biochemical cell	Environmental progress and sustainable energy	International, vol 37, Issue 3, 961–967, June 2018	2017
		Completely biodegradable banana fibre-wheat gluten composites for dielectric applications	Journal of Materials Science: Materials in Electronics	International Volume 28, Issue 17, pp 12383–12390, Impact factor 2.324	2017
2	Prof. A M Prasanna Kumar	Adaptive Algorithms Performance Analysis for Noise Cancellations using Neural Networks employing real time signals	IJISET International Journal of Innovative Science, Engineering & Technology	International, Vol. 4 Issue 6, June 2017 ISSN (Online) 2348 – 7968, Impact Factor 5.264	2017
		Adaptive Filter Algorithms Based Noise Cancellation Using Neural Network in Mobile Applications	International Conference on Intelligent Computing and Applications	Advances in Intelligent Systems and Computing, Springer , pp 67-78 Impact Factor 0.49	2017
3	Dr. M. Mathivanan	Modified Wiener Filter Based Speech Restoration with Autocorrelation of Isolated Kannada Word Speech Recognition	International Journal of Intelligent Engineering and Systems	International Vol.11, No.2, Scopus, Impact factor 0.6, (SCOPUS)	2017
		Parametrical Variation and its Effects on Characteristics of Microstrip rectangular Patch Antenna	IEEE Sponsored Second International Conference on Electrical, Computer and Communication Technologies	S.V.S College of Engineering, Coimbatore, Tamilnadu, (SCOPUS)	2017
		A detailed survey on large vocabulary continuous Speech Recognition techniques	IEEE sponsored International Conference on Computer Communication and Informatics	Sri Shakthi Institute of Engineering and Technology, Coimbatore, Tamilnadu, (SCOPUS)	2017

FACULTY MEMBERS PUBLICATION DETAILS

Sl.No	Faculty Name	Title of the Paper	Publisher Details	Details of publication	Year
4	Mr. Ramesha M	A novel Architecture of FBMC transmitter using polyphaser filtering and its FPGA implementation	Indian journal of science and technology (Scopus index)	International Vol.9(48), DOI:10.17485/ijst/v9i48/94148	2016
		Performance analysis of FBMC Transceiver architecture over OFDM system	Far east journal of electronics and communication - FJEC	International 17(6):135, Scopus	2017
5	Mrs. Bharathi Gururaj	Insights on error resilient image transmission schemes on wireless network	International journal of advanced computer science and applications	International Vol 8, no 1,	2017

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	VTU Research Centre, Dept of ECE, ACSCE	Dr. H.B. Bhuvaneshwari	Communication Systems	2017
2.	Ms. H.R. Niveditha	VTU 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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