



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: 8

ACADEMIC YEARS: 2022-23



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. Bharathi Gururaj
Associate Professor & Head, Department of ECE

EDITOR

Dr. Prajith Prakash Nair
Associate Professor, Department of ECE

ABOUT ECE DEPARTMENT

The Department started in 2009 with an intake of 60. The Department offers UG and PhD programmes. The department of Electronics and Communication Engineering is accredited by NBA and NAAC with 'A' grade. The Department has an outstanding track record and has consistently intended to create Electronics & Communication Engineering graduates of exceptional quality and caliber. The Department has highly qualified, experienced and committed faculty members. The Department is self-sustained with state of Art laboratories, software and volumes of books. The department imparts Quality Education in Electronics and Communication Engineering through focus on Fundamentals, Research, and Innovation .The main objective of conducting various events is to fill the gap between industry and academics and to transfer knowledge by imparting quality training (Both theory and Hands on) to our students. All the major activities will be handled by industry experts from top companies only.

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 the 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

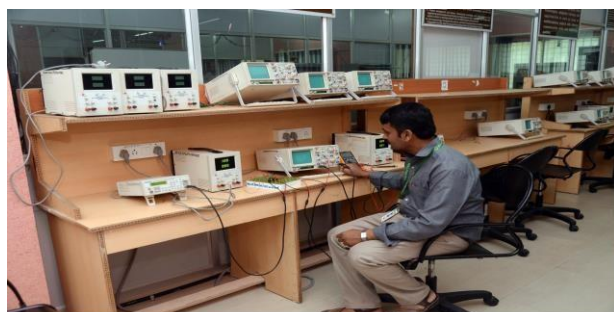
B.E – ELECTRONICS & COMMUNICATION ENGINEERING

PhD-ELECTRONICS AND COMMUNICATION ENGINEERING

BEST PRACTICES IN DEPT OF ECE

- Academic Excellence through Experienced Faculty Members.
- Hands On Experience In Laboratories Using “Best State Of Art Laboratories” .
- Sharing The Knowledge And Wisdom From Experts Using “Webinars” Through “Center For Test and Data Science (Ctds), RRGi and through Department Webinars, Seminars, Technical Talks.
- Industrial Visits & Innovation Labs
- Industry Connect with “FICE & INTEL” Along With MOU’s with Companies.
- Spoken Tutorials in Collaboration With “IIT BOMBAY”.
- Best Corporate Training Using “Workshops And Placement /Training Activities” .
- R& D Center With Paper Publications (In SCI & WOS) from both Faculty Members and Students.
- National And International Conferences/Inter Collegiate Faculty Development Programme
- NPTEL Courses
- Mentoring/ Parents Teachers Meet
- AICTE-ATAL Sponsored Faculty Development Programmes

LABORATORY DETAILS



**ELECTRONICS DEVICES AND INSTRUMENTATION
LABORATORY-18ECL37**



Digital System Design Laboratory-18ECL38



Microcontroller Laboratory-18ECL47



Analog Circuits Laboratory -18ECL48



DSP Lab-17ECL57



HDL Lab-17ECL58



Embedded Controller Lab -17ECL67



Advanced Communication Lab-17ECL76



VLSI LAB-17ECL77

**STUDENTS OUTREACH PROGRAMS-AICTE
ACTIVITY**



ECE DEPARTMENT STUDENTS –SCHOOL VISIT

ROLL OF HONOURS

USN	STUDENT NAME	Marks obtained	Percentage
1AH19EC005	YASHMICA T M	450	90%
1AH19EC037	DEEPU Y		
1AH18EC036	SWATHI S	464	92.7%
1AH17EC013	CHETHAN KUMAR L	632	79%
1AH16EC034	POOJA B R &	629	90%
1AH16EC015	DEVIKA S		
1AH15EC038	SOUNDARYA C D	620	88.5%
1AH14EC010	HEMA B	655	87.3%
1AH13EC026	RAMYA B	628	84%
1AH12EC014	LAKSHMI S	642	86%
1AH11EC002	AMARASHREE P	535	71.88%
1AH10EC001	ABHILASHA C P	671	89.04%



VTU First Rank Ms. Swathi S receiving Award from Governor of Karnataka and our Chairman Sir

PLACEMENTS OF ECE STUDENTS
2022-2023

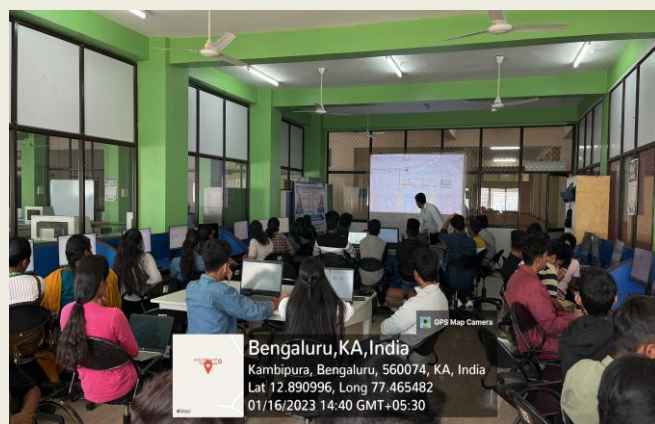
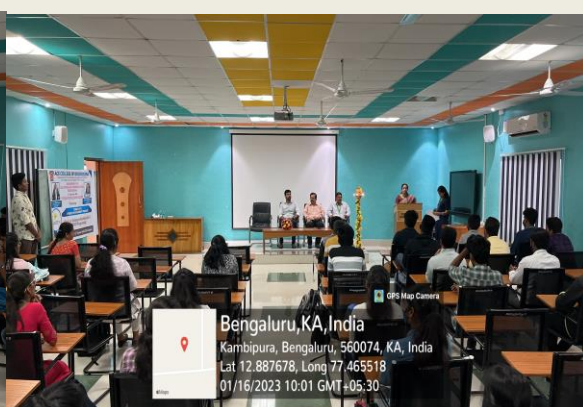
Name	USN	Discipline	YOP	Employer Name & Their Website
CHETHANA M NIJAGULI	1AH19EC004	ECE	2023	KHUSHI INFOTECH
MADHUMITHA P	1AH19EC020	ECE	2023	FOXCONN
PAVAN RAJ S	1AH19EC025	ECE	2023	ACCORD
SAJIN S	1AH19EC026	ECE	2023	ACCORD
YASHMICA T M	1AH19EC037	ECE	2023	IBM

LIST OF EVENTS CONDUCTED DURING 2022- 2023

Sl. No	Date	Details of The Events	Title of the Events	Name of the Speaker	Faculty in charge
1	17-02-2023	Industrial Visit	Chennapatna Craft park	--	Dr. Prajith Nair
2	06.05.2022	workshop	One-day workshop on Recent Trends on Microwave and its applications in communication Engineering	MR. RAVIKUMAR	Dr. Bharathi Gururaj
3	09.05.2022	workshop	One-day workshop on IoT and applications	MR. KUSHAL	Dr. Bharathi Gururaj j
4	10.11.2022	Seminar	Career guidance Program on Higher education	MR. ARUN MATHEW	
5	10.11.2022	workshop	One-day workshop on HDL	MR. ARUN MATHEW	Dr. Bharathi Gururaj
6	18.10.2022	Seminar	Carrier guidance by Prinston	MRS. FARHEEN	Dr. Bharathi Gururaj
7	20.10.2022	Technical talk	Technical talk on Embedded systems and its real time applications	Mr. VIJAY MAHANTESH	Dr. Bharathi Gururaj
8	16.012023-18.01.2023	workshop	Student development program on NI-LABVIEW	DR.PRAJITH P NAIR	Dr. Bharathi Gururaj
9	06.03.2023	workshop	One day workshop on Python Programming	MR. CHOWDARY K H	Dr. Bharathi Gururaj



Industrial Visit – Chennapatna craft Park



Workshop on Python Programming by Mr. Chowdary K H

FACULTY MEMBERS PUBLICATION DETAILS

Journals & Conference Details 2022-23

Sl. No	Name of the faculty	Title of the paper	Title of the journal, Publisher name & details	National / International	Indexed Scopus / Web of Science
Conference Details					
1	Dr.BharathiGururaj	An Integrated IoT Technology for Health and Traffic Monitoring System with Smart Ambulance	IEEE digital explore	International	IEEE

FACULTY MEMBERS PUBLICATION DETAILS

journals Details

1	Mr. Sharath Babu CG	LITERATURE SURVEY ON ABNORMAL ACTIVITY DETECTIONIN ATM USING DEEP LEARNING	INTERNATIONAL JOURNAL OF ADVANCED RESEARCH AND TRENDS IN ENGINEERING AND TECHNOLOGY	----
2		ABNORMAL ACTIVITY DETECTION IN ATM USING DEEP LEARNING	INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN INNOVATIVE DISCOVERIES IN ENGINEERING AND APPLICATIONS	----
3		DETECTION OF SUSPICIOUS BEHAVIOUR IN ATM SITE USING COMPUTER VISON TECHNIQUES	INTERNATIONAL JOURNAL OF SCIENTIFIC DEVELOPMENT AND RESEARCH	----
4		IDENTIFICATION AND DETECTION OF ABNORMAL ACTIVITYIN ATM USING DEEP LEARNING	INTERNATIONAL JOURNAL FOR RESEARCH AND TRENDS AND INNOVATION	----
1	Dr. Bharathi Gururaj	Hybrid Reverse Propagation ANN Adaptive Algorithm Based Deep Learning Image Processing for Pneumonia Detection ”	ACS Journal for Science and Engineering	----
1	Dr. A.M. Prasanna Kumar, S.M.	Multiple parameter patient health monitoring system	International journal of research and analytical reviews	----
2		Bizarre object recognition under surveillance	International journal of research and analytical reviews	----
3		ANNHRPAA Based Deep Learning imageprocessing for Pneumonia Detection	Journal of Electronics Information Technology Science and Management	----
4		Hybrid Reverse Propagation ANN Adaptive Algorithm Based Deep Learning Image Processing for Pneumonia Detection	ACS Journal for Science and Engineering	----

Funding Details for the year 2022-23

SI No	NAME OF THE PROJECT	NAME OF THE GUIDE & STUDENTS	YEAR OF AWARD	NAME OF THE FUNDING AGENCY	AMOUNT SANCTIONED (Rs)	GOVT./NON-GOVT
1	Eye Controlled Wheelchair using Arduino	Mr. Nagesh H B Nikhil Swamy Sajin Nandhan Prashant H C	2022- 2023	KSCST	5000/-	GOVT

LIST OF PROJECT AND PROJECT BATCHES FOR THE YEAR 202-2023

SL.NO	NAME OF THE PROJECT	USN	NAME OF THE STUDENT	NAME OF THE GUIDE
1	CLOUD BASED AUTOMATIC STREET LIGHT CONTROL SYSTEM	1AH19EC024	PREETHI S	Dr.Bharathi Gururaj
		1AH19EC028	SANGEETHA M	
		1AH19EC034	TULASI K P	
2	DESIGN AND DEVELOPMENT OF IOT BASED ROBOTIC ARM BY USING ARDUINO	1AH19EC001	AMITH DEEPAK PAWAR	Mrs. Aishwaryaa L K
		1AH19EC007	FARHAN MEHDI	
		1AH19EC008	PADMA REDDY G	
		1AH19EC036	VISHAL B L	
3	DISORDER DETECTION	1AH19EC021	PRAJWAL M	Dr.Prajith Prakash Nair
		1AH19EC022	PRASHANTH D	
		1AH19EC027	SANGANA BASAPPA	
		1AH19EC031	SRI SAI KIRAN R	
4	IOT BASED PREPAID SMART ENERGY METERSLEEP	1AH19EC010	KAVYA M H	Dr. A M Prasannakumar
		1AH19EC014	MEGHANA N	
		1AH19EC016	NAVYA H B	
		1AH19EC017	NETHRAVATHI C	
5	PRODUCT DEFECT IDENTIFICATION USING CNN	1AH19EC003	CHANDAN G B	Mr. Praveen A Patil
		1AH19EC006	FAISAL AHMED	
		1AH19EC011	KESAR M R	
		1AH19EC012	LAKSHMI S	
6	EFFECT OF ELEMENT SPACING ON THE PARAMETERS OF LINEAR ARRAY OF MICROSTRIP PATCH ANTENNA	1AH19EC004	CHETHANA M NIJAGULI	Mr. Sharath Babu
		1AH19EC005	DEEPU Y	
7	MOBILE THEFT TRACKING SYSTEM USING EMBEDDED SYSTEMS	1AH19EC009	JEEVITHA S	Mr.Nagesh .H.B
		1AH19EC025	PAVAN RAJ S	
		1AH19EC029	SATISH H S	
		1AH19EC030	SONIYA J	
8	EYE CONTROL WHEEL CHAIR USING ARDUINO	1AH19EC015	NANDAN C L	Mr.Nagesh .H.B
		1AH19EC018	NIKHIL SWAMY B C	
		1AH19EC023	PRASHANTH HALAGERI	
		1AH19EC026	SAJIN S	
9	AUTOMATED TROLLEY WITH ANDROID STUDIO	1AH19EC019	NIKITHA S	Mrs Vijaya Dalawai
		1AH19EC020	MADHUMITHA P	
		1AH19EC013	MANMOHAN SHARMA	
		1AH19EC037	YASHMICA T M	
10	G STATION USING ARDUINO	1AH19EC033	SYED WASEEM BOKHARI	Mrs. Aishwaryaa L K
		1AH19EC035	VIJAYALAKSHMI K	

Scholars pursuing PhD 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. Bhuvaneswari	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. Bhuvaneswari	01
2	Dr. S. Anitha	02
3	Dr. M. Mathivanan	07

Scholars Completed PhD under ACS Research Centre in year 2021-2022

enquiry@acsce.edu.in

Name of the Scholar	Guide Name	Year
Dr. Vanajakshi P	Dr.Mathivanan	2021-2022

STUDENT ACHIEVEMENTS



Gold medal in Taekwondo-State level Competition of Visvesvaraya Technological University
Mr.Akshay S and Ms. Deeksha



PROJECT EXHIBITION



***STUDENTS OF ECE ACTIVELY PARTICIPATED IN THE PROJECT EXHIBITION
HELD ON 29 JULY 2022***