



ECE TIMES

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*KSR Institute for Engineering and
Technology*

Department of ECE

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING



Vision of the Institute

- ❖ To become a globally recognized Institution in Engineering Education, Research and Entrepreneurship.

Mission of the Institute

- ❖ Accomplish quality education through improved teaching learning process.
- ❖ Enrich technical skills with state of the art laboratories and facilities.
- ❖ Enhance research and entrepreneurship activities to meet the industrial and societal needs.

Vision of the Department

To produce globally competitive Electronics and Communication Engineers and Entrepreneurs with ethical values.

Mission of the Department

- DM1:** Impart quality education through student centric teaching and learning process.
- DM2:** Equip students with Industry driven skills by providing excellent Infrastructure and continuous interaction with academia and Industry.
- DM3:** Empower students towards research, entrepreneurship and lifelong learning to meet societal needs.

Program Educational Objectives (PEOs)

- PEO 1: Core Competency :** Graduates will have strong foundation in Engineering, Science and Technology for a successful career in Electronics and Communication Engineering.
- PEO 2: Professionalism :** Graduates will have effective communication skills, interpersonal skills and ethical values to exhibit professionalism in multidisciplinary environment.
- PEO 3: Higher studies and Entrepreneurship :** Graduates will pursue professional development through higher studies and have entrepreneurial attitude to address technological changes and societal needs.

ECE TIMES

CHIEF PATRON

Lion.Dr.K.S.Rangasamy, MJF

Founder Chairman

KSR Educational Institutions

PATRON

Mr.R.Srinivasan., B.B.M., MISTE

Vice Chairman,

KSR Educational Institutions

ADVISORS

Dr.M.Venkatesan, Ph.D,

Principal

Mr.R.Nandakumar,

Head /ECE

EDITOR

Mr.P.Govindaraju.

Assistant Professor / ECE

STUDENTS

V.Naaga Naveen Kumar, III Year/ECE

S.Subhathra, III Year/ECE

ECE ASSOCIATION AURA-16-17

Department Association called “AURA” was formed in the year 2011. In order to provide a platform for the students and faculty to present and share their ideas, thoughts and findings and to conduct expert lectures, seminars, workshops, symposiums, conferences etc. This also aims in bringing pioneers in electronics and communication engineering minds to drive them towards the excellence in Electronics and Communication Engineering. Association Inauguration on 13.08.16



Guest lecture on Internet of Things was conducted by Mr.A.Athif Shah on 13.08.16



Two days Guest lecture Transmission and wave guides on the topic Waveguides and its application conducted by Mr.Logesh Kumar on 24.08.16 & 09.09.16

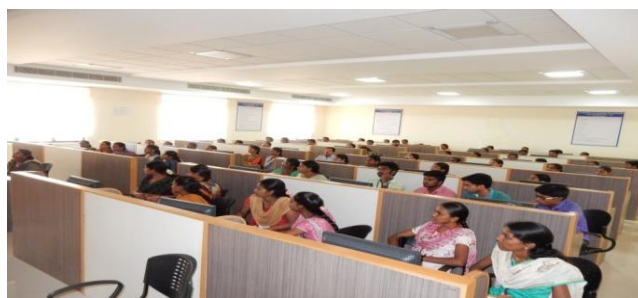


Three days Guest Lecturer on Electronics Circuits –I was conducted by Prof.Muthuraman Ramasamy on the topic Analysis and Design of BJT & JFET on 26.07.16 & 18.08.16



Workshop on Project Based Learning in 8051 Microcontroller Using Keil was conducted by Mr.A.Prabakaran,AP/ECE & S.Boopathy,AP/ECE on 14.07.16

Workshop on Two days workshop on networking security was conducted by Mr.T.Marthandan,AP/ECE,Mr.S.Deepak, AP/ECE&Mr.P.Govindaraju, AP/ECE on 22.09.16 & 23.09.16



Value added course on Networking & security Batch - II was conducted by Mr.H.Senthil Kumar, AP/ECE & CISCO Incobator Lab on 10.08.16 to 19.10.16

Value added course on Networking & security Batch - III was conducted by Mr.H.Senthil Kumar, AP/ECE & CISCO Incobator Lab on All Saturdays from Aug'16 to Nov'16



Faculty Publications in National/ International Journals/ Conferences

S. No.	Name of Author(s)	Title of the Paper	Title of the Journal (with impact factor)	Volume No.	Issue No.
1.	Prof.R.Nandakumar, HOD /ECE	Analysis Of Abnormalities In Common Carotid Artery Images Using Multiwavelets Nov 2016	ICTACT Journal on Image and Video Processing	7	2
2.	Mrs.W.Devapriya AP/ECE	Real Time Speed Bump Detection Using Gaussian Filtering And Connected Component Approach July 2016	Scientific Research Publishing – Circuits and Systems (0.95)	7	9
3.	Mr.S.Boopathy, AP/ECE	Controlling the boiler temperature of tea leaves by using android application and arduino uno June 2016	International Journal of Modern Computer Science (IJMCS) (4.556)	04	03

Guest lectures and Keynote speeches by faculty

- ❖ Prof.R.Nandakumar, HoD/ECE provide Guest Lecture on “**Motivation programme about Dr.A.P.J Abdul Kalam** at K.S.R Polytechnic College on 27.07.16
- ❖ Prof.R.Nandakumar, HoD/ECE provide Guest Lecture on “Personality Development” at Dept of ECE, K.S.Rangasamy College of Technology on 22.08.16



- ❖ G.Gowthamraj provide Guest Lecture on “VHDL Programming” at Dept of EEE, K.S.R.Institute for Engineering and Technology on 30.08.16
- ❖ Prof.R.Nandakumar, HoD/ECE provides Guest Lecture for “IEEE EMBS New Member Programme” at K.S.Rangasamy College of Technology & IEEE Madras section on 10.09.16
- ❖ Prof.R.Nandakumar, HoD/ECE provide Guest lecture on Camp on “**Naattu Nalappani Thittam**” at K.S.R. Matric Higher Secondary School on 03.10.16
- ❖ Prof.R.Nanda kumar, HoD/ECE provides Guest Lecture on “Electromagnetic Fields at K.S.Rangasamy College of Technolgy on 14.10.16

FACULTY ACHIVEMENTS**NPTEL Online Certification**

Mrs.W.Devapriya, AP/ECE	Digital Image Processing	NPTEL IIT-MADRAS	JULY - NOV, 2016
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Knowledge up gradation:**Seminar/FDP/SDP/Workshop/STTP etc attended by Faculty**

S. No	Name of the Faculty	Title of the Programme	Type of the Programme	Conducted by (Dept. and Institution)	Date
1.	Mr.T.Senthil , AP/ECE	Electronic circuits: Theory & practice	FDP	Thiagarajar College Of Engineering	23/5/16 to 29/5/16
2.	Mr. N.K.Shankar, AP/ECE				
3.	Mr.S.Boopathy, AP /ECE	Intellectual Property Rights	Workshop	K.S.Rangasamy College Of Technology	06/08.16
4.	Mr.A.Prabakaran, AP /ECE				
5.	Mrs.W.Devapriya, AP /ECE	Microcontroller & ARM	Workshop	Dhanalakshmi Srinivasan College of Engineering	30.08.16
6.	Ms. B.Latha, AP/ECE	One day Workshop On Medical Image Processing	Workshop	ECE/ Anna University Regional Centre, Coimbatore	9/9/16
7.	Mr. V.Praveen Kumar, AP/ECE				
8.	Mrs.P.Vidhya, AP/ECE	Smart Health Care Monitoring Using IOT	National Seminar	ECE/KSRCT	22/9/16 & 23/9/16
9.	Mr. K.R Gokul anand, AP/ECE				
10.	Ms. B.Latha, AP/ECE	Medical Informatics Extraction Using Soft Computing Techniques	Faculty Development Programme	Dept of ECE, KIOT	21.10.16 & 22.10.16
11.	Mrs. W.Devapriya, AP/ECE				
12.	Mr.A.Prabakaran, AP/ECE	Analog Power	Faculty	Dept of ECE,	24.10.16 to

13.	Mr.S.Boopathy, AP/ECE	Embedded And Wireless IOT	Development Programme	KIOT & TI	27.10.16
14.	Mr.K.R.Gokulanand, AP/ECE				
15.	Mr.S.Karthik, AP/ECE				
16.	Mr. P.Govindaraju, AP/ECE	FDP on “Learning Improvement techniques”	Faculty Development Programme	Teacher learning centre IIT MADRAS	09.11.16 to 11.11.16

Congratulations
to all the winners!

STUDENT ACHIVEMENTS



Name of the Student	Year / Sem./ Sec	Event Name	Conducted on	Name of the Department (Organized)	Prizes Won
K.V.Gokul Prasad	IV/VII/A	Paper Presentation	01.10.2016	ECE/Jaysriram College Of Engineering	I st Prize
S.Arul Prakash	IV/ VII /A	Nptel Online Certification On - Design For Internet Of Things	24.09.2017	Indian Institute Of Technology, Madras	

Students participation in Contest

- ❖ 24 students of III Year A Sec have participated in Indian Innovation Challenge design programme conducted by DST-Texas Instruments,Bangalore
- ❖ 20 students of III have apperared for NPTEL Online certification course

Extra-curricular Activities – Intra College level

Extra-Curricular Activities

Year / Sem. /Sec.	Name of the Student	Event Name	Conducted on	Prizes Won
III/ V /B	Manimaran	Speech Competition on “Dr. A.P.J. Abdul Kalam”	27.07.2016	1 st prize (Tamil)
	P. Sundar Rao			2 nd prize (Tamil)
	K. Roomathi			1 st prize (English)
	S. Thirumurugan			3 rd prize (Tamil)
	S.Poongodi			2 nd prize (Tamil)
	R.Saravanan			1 st prize (English)
	R. Bhuvaneshwari			2 nd prize (English)
	Bhoopathi			2 nd prize (Tamil)
	P. Karthikeyan			1 st prize (English)
	Arun Kumar			1 st prize (Tamil)
II/IV/B	C.Selva Rakesh Kumar	200m	KSRIET	II nd
II/IV/B	C.Selva Rakesh Kumar	4*100 relay	KSRIET	II nd
II/IV/B	C.Selva Rakesh Kumar	Football	KSRIET	I st
II/IV/B	C.Selva Rakesh Kumar	Basket ball	KSRIET	II nd
II/IV/B	C.Selva Rakesh Kumar	Hand ball	KSRIET	II nd
II/IV/B	M.Vinoth Kumar	100m	KSRIET	III rd
II/IV/B	M.Vinoth Kumar	400m	KSRIET	III rd
II/IV/B	M.Vinoth Kumar	4*400 relay	KSRIET	III rd
II/IV/B	K.Sakthivel	Kabhadi	ECE/KSRIET	I st
II/IV/B	T.S.Naveen	Kabhadi	ECE/KSRIET	I st

Extra-curricular Activities – Inter College level

Year / Sem. / Sec.	Name of the Student	Event Name	Date	District / Zonal/ State / National Level	Organized by	Prizes Won
III /V /B	B. Ravi Varma	“Open State Throw Ball Match”	06.07.16	State Level	Government Boys Higher Secondary School, Papanasam	2 nd
II/IV/B	C.Selva Rakesh Kumar	Football	5.3.2017	State Level	Tamilnadu Engineering College	I st
II/IV/B	C.Selva Rakesh Kumar	Football	6.4.2017	District Level	Suriya College Of Engineering	IV th

GALLERY





Program Outcome for Electronics and Communication Engineering

PO 1: Engineering Knowledge: Apply knowledge of mathematics, science and engineering principles to solve problems in the domain of Electronics and Communication Engineering.

PO 2: Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO 3: Design/Development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO 4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO 5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO 6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess Societal, Health, Safety, Legal and Cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO 7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development.

PO 8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO 9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO 10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO 11: Project management and finance: Demonstrate Knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO 12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSO)

PSO1: Embedded system design: Graduates will be able to analyze, design, construct and test electronic and embedded systems for desired specification.

PSO2 : Simulation Tools: Graduates will be able to solve emerging real world problems using suitable hardware and software tools.



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