ECE TIMES

KSR

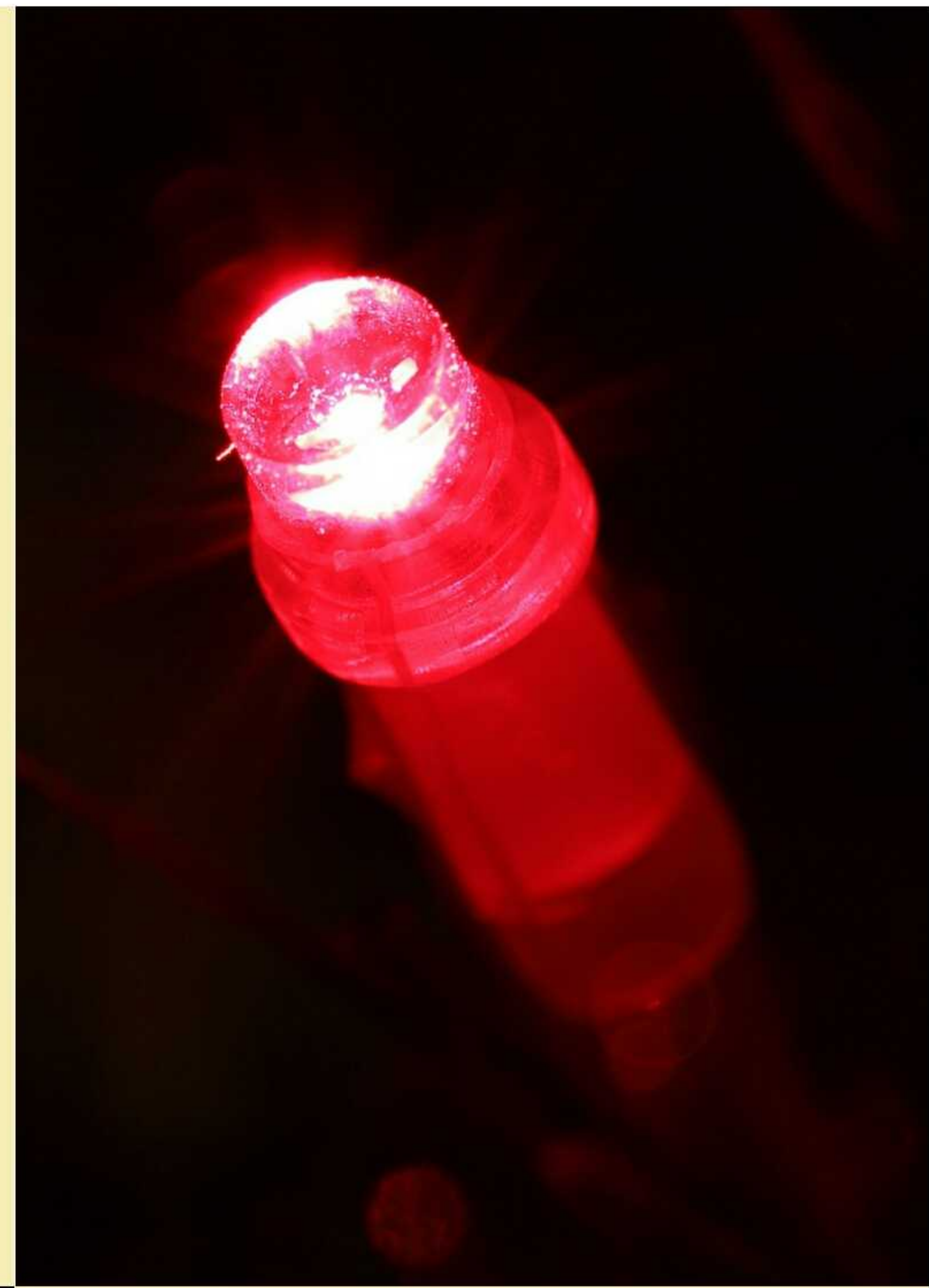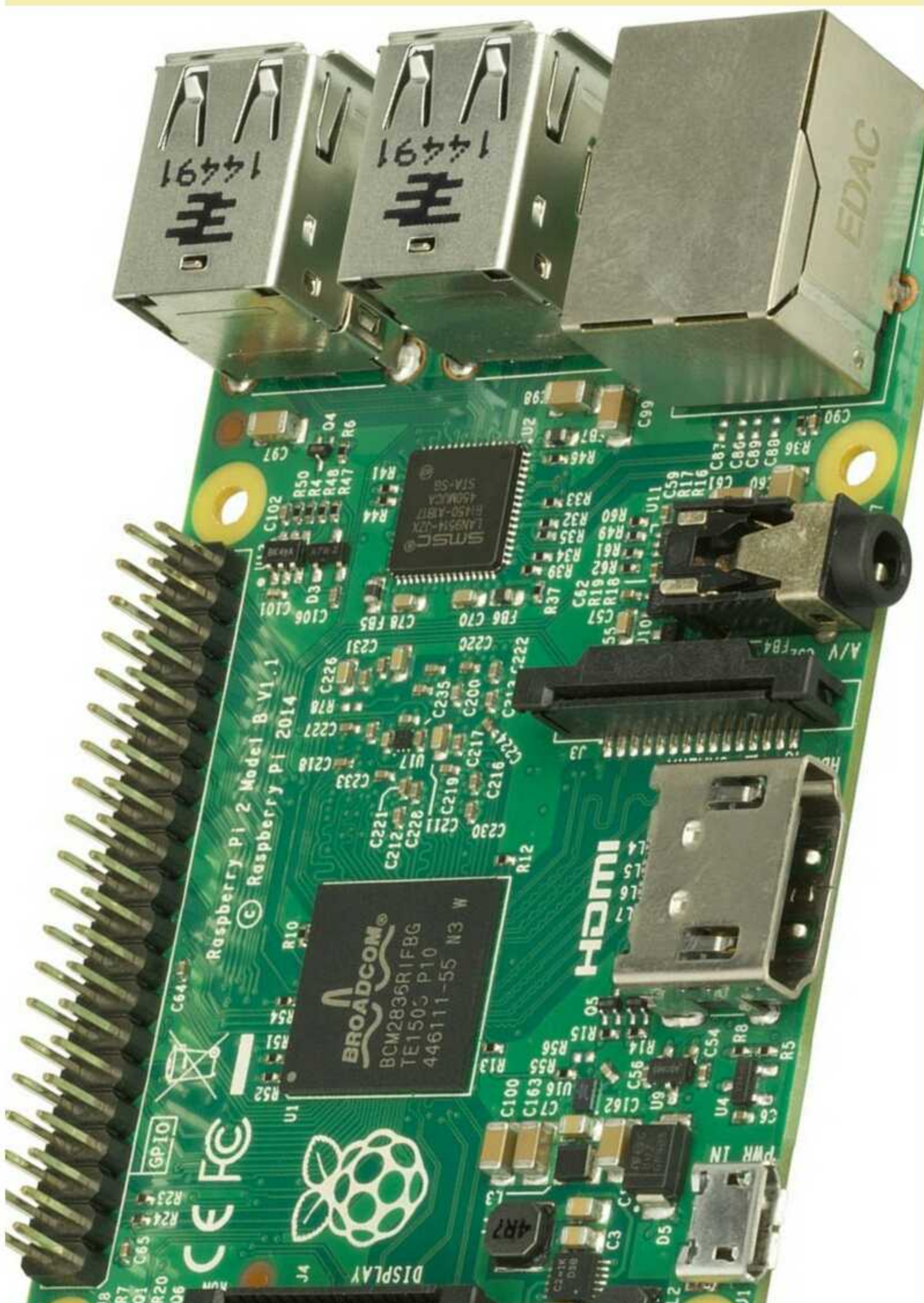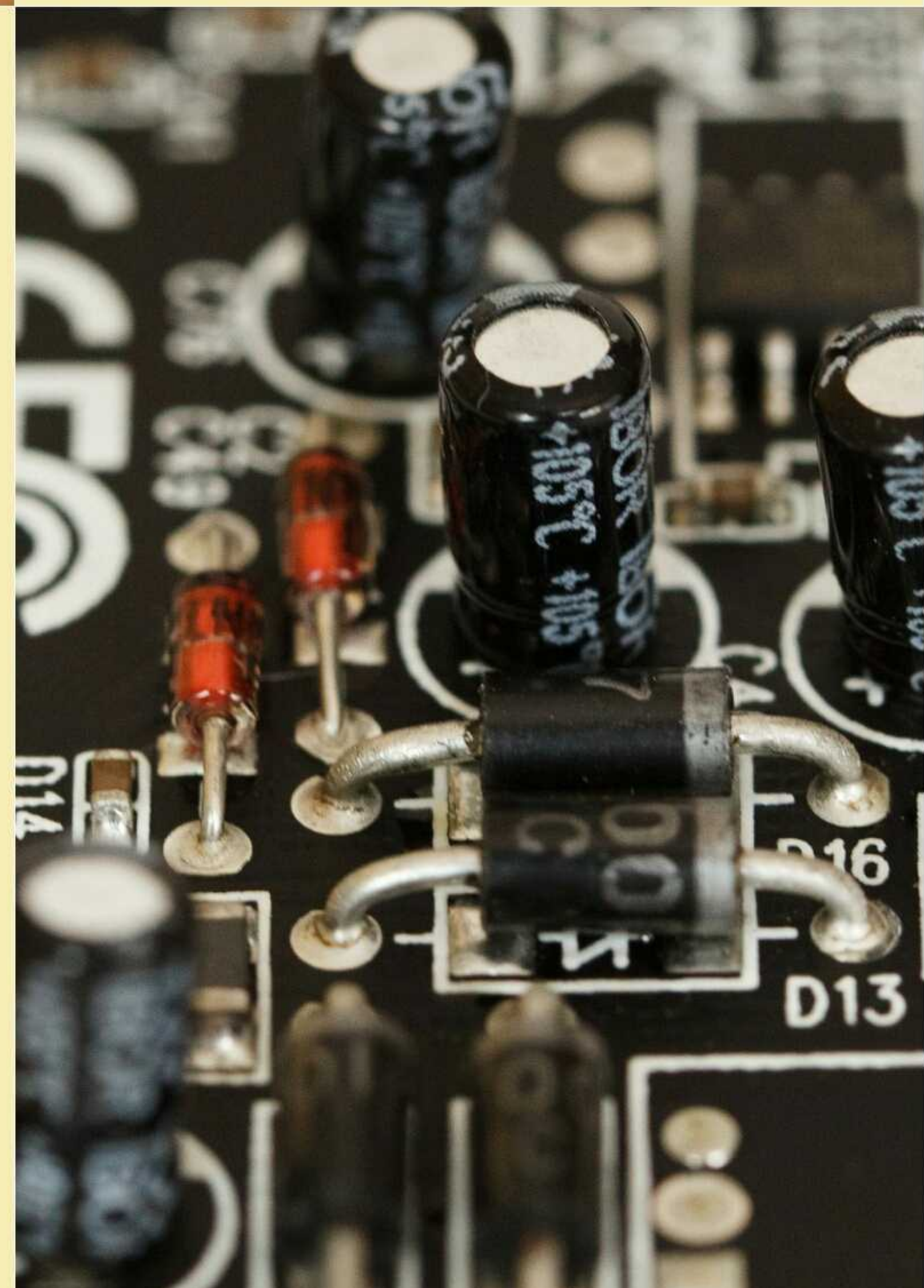## INSTITUTE FOR ENGINEERING AND TECHNOLOGY

MAY 2017

VOLUME-3 ISSUE-2

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

K.Deepan, III Year/ECE

S.Divya, III Year/ECE

International Conference On Recent Trends In Engineering And Technology 2K17

International Conference on Recent Trends in Engineering and Technology Was conducted on 17.03.17

National Level Technical Symposium Spring Fest 2k17 on   One day workshop on CAREER GUIDANCE -College to Corporate Relation was conducted by   Dr.R.Nandakumar,HOD/ECE on 18.2.17

National Level Technical Symposium Spring Fest 2k17 on   One day workshop on Application of MATLAB for Signal Communication & Image Processing was conducted by Ms.B.Latha, AP/ECE on 18.2.17

National Level Technical Symposium Spring Fest 2k17 on   One day workshop on Project based learning "ARDUINO TI LAUNCH PAD" was conducted by   Mr.A.Prabhakaran, AP/ECE on 18.2.17

National Level Technical Symposium Spring Fest 2k17 on   One day workshop on CMOS VLSI Design using MICROWIND TOOL was conducted by Mr.G.Gowtham raj, AP/ECE on 18.2.17

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.	Year
1.	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	June, 2016
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	July 2016
3.	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	Nov 2016
4.	Mrs.W.Devapriya AP/ECE	India Traffic Sign Recognition using HSV Color Model and Kernel Extreme Learning Machine	International Journal of Printing, Packaging and Allied Sciences	4	5	Dec. 2016
5.	Mr.S.Boopathy, AP/ECE	A Novel Approach to Maintain the Real time Instantaneous Data from Patient Using Ultra Low Power Microcontroller	International Journal of Advanced Research and Computer Science (5.845)	8	3	March-April, 2017

Guest lectures and Keynote speeches by faculty

❖ Prof.R.Nandakumar acts as a Session Chair(Jury) at National Conference on Trends in Engineering Application & Management organized by Velalar College of Engineering & Technology on 10.03.17

❖ Prof.R.Nandakumar, HoD/ECE provides Guest Lecture on "Electromagnetic Fields" at Vidyaa Vikas College of Engineering & Technolgy on 14.03.17

❖ Mr.P.Premkumar, AP/ECE provides Guest Lecture on "Electronic Devices and Circuits" at Vidyaa Vikas College of Engineering & Technolgy on 14.03.17

❖ Prof.R.Nandakumar, HoD/ECE provides Guest Lecture on "Electromagnetic Fields" at Knowledge Institute of Technolgy on 10.04.17

❖ Prof.R.Nandakumar acts as a Session Chair(Jury) at National Conference on Emerging Trends in Bioelectronics, Information and Communication Technologies(ETBICT-17) Conducted by K.S.Rangasamy College of Technology on 12.04.17

FACULTY ACHIVEMENTS

Ph.D., Awarded Faculty

Faculty Name	Title	Viva vice Date	Guided by
Dr. R.NandaKumar	Machine Learning Approach Via Classifiers For The Diagnosis Of Cardiovascular Disesases Using Ultrasound B Mode Images Of Common Carotid Artery	09.03.2017	K.B.Jeyanthi Professor K.S.Rangasamy College of Technology Tiruchengode

NPTEL Online Certification

Mrs. S.Gomathi, AP/ECE	Principles of Communication (Part – I)	NPTEL IIT-MADRAS	Jan - March, 2017
Mrs. K.J.Uma, AP/ECE	Embedded System Design	NPTEL IIT-MADRAS	Feb - April, 2017
Mr. P.Govindaraju, AP/ECE	Basic Electronics	NPTEL IIT-MADRAS	Feb - April, 2017
Mrs. P.Vidhya, AP/ ECE	Basic Electronics	NPTEL IIT-MADRAS	Feb - April, 2017
Mr. K.R.Gokulanand, AP/ECE	Basic Electronics	NPTEL IIT-MADRAS	Feb - April, 2017

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.	Mrs. P.Vidhya, AP/ECE	Medical Electronics	National level FDP	Velalar college of Engg and Technology, Erode	1/12/16 To 3/12/16
2.	Ms. P.Saranya, AP /ECE				
3.	Mr. K.R.Gokul anand, AP/ECE	"Realization of Interent of Things Using Rasperry Pi"	National Level Short Term Course	EEE/National Institute of Technology – Trichy	9/12/16 To 10/12/16
4.	Mr.M.V.Mahesh, AP/ECE				
5.	Mr.M.V.Mahesh, AP/ECE	Problem Solving in C and C++	FDP	AVS Engineering College & ICT Academy	27.01.17 & 28.01.17
6.	Mrs. S.Gomathi, AP/ECE	Two Weeks ISTE STTP on CMOS, Mixed Signal & Radio Frequency VLSI Design	Workshop	Sponsored by IIT KHARAGPUR & KSRCT	30.1.17 To 14.2.17
7.	Mr. G.Gowtham raj, AP/ECE				
8.	Mr.K.Venkatachalam, AP/ECE	Advanced Antenna Analysis Using ANSYS simulation	Workshop	K.S.Rangasamy College Of Technology	06.03.17
9.	Mr. V.Arun, AP/ECE				

STUDENT ACHIVEMENT

Name of the Student	Year / Sem./ Sec	Event Name	Conducted on	Name of the Department (Organized)	Prizes Won
Priya.R	III / VI / B	NPTEL Online Certification - Digital VLSI Testing	Feb-Apr, 2017	NPTEL	Elite Grade
Oviya.T	III / VI / A	NPTEL Online Certification - Internetwork Security	Feb-Apr, 2017	NPTEL	Elite Grade
Nandhini.M	III / VI / B	NPTEL Online Certification - Internetwork Security	Feb-Apr, 2017	NPTEL	Elite Grade
Gowri .P	III / V / A	NPTEL Online Certification on - Introduction to Modern Application Development	24.09.2017	NPTEL IIT MADRAS	Elite Grade
Deepankumar . S	IV/ VII /A	NPTEL Online Certification on - Design for internet of things	24.09.2017	NPTEL IIT MADRAS	Elite Grade
Sharanya.A	III / V/ B	Circuit Debugging	14.10.17	Dept of ECE / KSRCT	1st Prize
Sineha.N Subathra.S Sangeetha.N Siva Ranjani.P Vinothini.P Durka Devi S	III / V / A	NPTEL Online Certification on - Introduction to IOT	22.10.17	NPTEL IIT MADRAS	Elite Grade
Nandhini.M	II / III / A	Readers Arena Contest	21.07.2017	ECE / KSRIET	1st prize

Priya.P	II / III / A	Readers Arena Contest	21.07.2017	ECE / KSRIET	2nd prize
Pryadharsini.S	III / V / A	Readers Arena Contest	28.07.2017	ECE / KSRIET	2nd prize
Suriya.V	III / V/ A	Readers Arena Contest	28.07.2017	ECE / KSRIET	1st prize
P.Priyadharshini	II/III/B	Readers Arena Contest	11.08.2017	ECE/KSRIET	2nd prize
P.Karthikeyan	III/V/A	Readers Arena Contest	11.08.2017	ECE/KSRIET	1st prize
S.Durka Devi	IV/VII/A	Tech Buzz	30.08.2017	ECE/KSRIET	1st prize
C.Deepak Raju					
S.Dhivya					
S.Dhivya Prabha					

Students participation in Project Contest
(Co-curricular Activities – Inter College level)

S.No	Year / Sem./Sec	Name of the Student	Event Name	Conducted on	Name of the Department (Organized)	Prizes Won
1.	II/IV/A	A.Alexraj	One Day Seminar On Design & Integration Of Substainable Energy	18/2/17	EEE,KIOT	NIL
2.	II/IV/A	S.Pradeep				
3.	II/IV/A	P.Karthikeyan				
4.	II/IV/A	D.Bharathi	Mobile Game Development	19/2/17	Academic Scientist	NIL
5.	II/IV/A	M.Dhivya				
6.	II/IV/A	L.Ramkumar	Phython Workshop	22/2/17	Department of IT Sona College Of Technology	NIL
7.	II/IV/A	L.Giritharan	Lab View For Control Application	24/2/17, 25/2/17	PSG College of Technology	NIL
8.	II/IV/A	S.M.Bhuvaneswaran				
9.	II/IV/A	S.Balaji				
10.	III/VI/A	V.Lokesh Kumar	Graphene Technology	23.2.2017	Sri krishna College Of Technology Coimbatore	NIL

11.	III/VI/A	V.S.Janani	Graphene Technology	23.2.2017	Sri krishna College Of Technology	NIL
12.	III/VI/A	T.Oviya	PPT Bridge Monitoring	23.2.2017	Sri krishna College Of Technology	NIL
13.	III/VI/A	M.Nandhini	PPT-Bridge Monitoring	23.2.2017	Sri krishna College Of Technology	NIL
14.	III/VI/A	Padma Priya	PPT-Embedded System	14.3.2017	Vivekanantha College Of Technology For Women	NIL
15.	III/VI/A	Kalaipriya	PPT-Embedded System	14.3.2017	Vivekanantha College Of Technology Women	NIL
16.	III/VI/A	A.Manoj	PPT-Embedded System	14.3.2017	Vivekanantha College Of Technology Women	NIL
17.	III/VI/B	V.Suriya	Matlab Application Work Shop	9.2.2017 to 10.2.2017	Sri Ramakrishna Engg College-Coimbatore	NIL
18.	III/VI/B	M.Sankari	Internet Of Things (Iot)	24.2.2017 and 28.2.2017	Rvs College Of Engineering-Coimbatore	NIL
19.	III/VI/B	S.Poongodi	Internet Of Things (Iot)	24.2.2017 & 28.2.2017		NIL
20.	III/VI/B	R.Priya	Eletronic Waste (E-Waste)	24.2.2017 & 28.2.2017		NIL
21.	III/VI/B	P.Uma	PPT	28.2.2017		NIL
22.	III/VI/B	V.Soundharya	PPT	28.2.2017		NIL
23.	III/VI/B	S.Priyadharsini	PPT	03.03.2017	Kumarasamy College Of Technology, Karur	NIL
24.	III/VI/B	N.Sineha				
25.	III/VI/B	E.Santhosh	Robert Bosch Workshop On Mobility & E-Mobility &Iot	8.2.2017	Kumaraguru College Of Technology	NIL
26.	III/VI/B	S.Sugumar	Robert Bosch Workshop On Mobility & E-Mobility &Iot	8.2.2017	Kumaraguru College Of Technology	NIL
27.	II/IV/B	M.Uma Maheswari	Symposium	20.2.2017	ECE,NSN College	NIL
28.	II/IV/B	G.Vinothini		20.2.2017	ECE,NSN College	NIL
29.	II/IV/B	P.Pavithra		20.2.2017	ECE,NSN College	NIL

30.	II/IV/B	B.Ramya		20.2.2017	ECE,NSN College	NIL
31.	II/IV/B	P.Pavithra		16.2.2017	Civil/ NSN College of Engg & Technology	NIL
32.	II/IV/B	B.Ramya	Symposium	16.2.2017	Civil/ NSN College of Engg & Technology	NIL
33.	II/IV/B	M.Uma Maheswari				NIL
34.	II/IV/B	G.Vinothini				NIL
35.	II/IV/B	K.Sakthivel	Chakkaravar 2k17	3.3.2017	IT/ M.Kumarasamy College of Engg.	NIL
36.	II/IV/B	S.Ramesh				NIL
37.	II/IV/B	S.Priyanka				NIL
38.	II/IV/B	C.Maheswari				NIL
39.	II/IV/B	P.Muthu Kumar	Workshop	19.2.2017	Academia Scientist	NIL
40.	II/IV/B	N.Naresh	Workshop	19.2.2017	Academia Scientist	NIL
41.	II/IV/B	R.Nirmal Kumar	Workshop	19.2.2017	Academia Scientist	NIL
42.	II/IV/B	V.Vinay	Symposium	17.3.2017	Sona College,Salem	NIL
43.	II/IV/B	B.Prabhu	Symposium	17.3.2017	Sona College,Salem	NIL
44.	III / VI / B	Priya.R	NPTEL Online Certification - Digital VLSI Testing	Feb-Apr, 2017	NPTEL	Elite Grade
45.	III / VI / B	Sharanya.A				-
46.	III / VI / B	Sineha.N				-
47.	III / VI / B	Subathra.S				-
48.	III / VI / B	Sangeetha.N				-
49.	III / VI / B	Siva Ranjani.P				-
50.	III / VI / B	Vinothini.P				-
51.	III / VI / A	Durka Devi S				-
52.	III / VI / A	Nandhini.M				-
53.	III / VI / B	Priya.P				-
54.	III / VI / B	Pryadharsini.S				-
55.	III / VI / B	Suriya.V				-

56.	III / VI / B	Poongodi.S	NPTEL Online Certification - Programming in C++	Feb-Apr, 2017	NPTEL	-
57.	II / IV / B	Yogesh E V				-
58.	III / VI / A	Oviya.T	NPTEL Online Certification - Internetwork Security	Feb-Apr, 2017	NPTEL	Elite Grade
59.	III / VI / A	Nandhini.M				Elite Grade
60.	III / VI / B	Subramaniyam.K				-
61.	III / VI / A	Jothiprakash R				-
62.	III / VI / A	Naagha Naveen Kumar.V				-
63.	III / VI / A	Kathiresh S				-
64.	III / VI / A	Loganathan C	NPTEL Online Certification - Basic Electronics	Feb-Apr, 2017	NPTEL	-
65.	III / VI / A	Manoj Kumar K				-
66.	III / VI / A	Keerthana S				-
67.	III / VI / A	Krishnaa M				-
68.	II / IV / B	Nivetha.A				-
69.	II / IV / B	Ranjith Raja M				-
70.	III / VI / A	Kowsalya M				-
71.	III / VI / B	Sugumar.S				-
72.	III / VI / A	Hemavarthini M				-
73.	III / VI / A	Arthi K				-
74.	II / IV / B	Vinay V				-
75.	III / VI / A	Gopika N				-
76.	III / VI / B	Sasitha.M				-
77.	III / VI / A	Janani T				-
78.	III / VI / A	Kalaipriya N				-
79.	II / IV / B	Sridhar C				-
80.	III / VI / A	Deepakraju C				-
81.	II / IV / B	Pavithra R				-

82.	III / VI / A	Arun S K				-
83.	III / VI / A	Nandhini.R				-
84.	II / IV / B	Ramesh S				-
85.	III / VI / A	Deepan Kumar S				-
86.	III / VI / A	Manoj Aravind V				-
87.	III / VI / A	Karthika S				-
88.	III / VI / A	Padmapriya.E				-
89.	III / VI / B	Siva Ranjani.P				-
90.	III / VI / B	Sineha.N	NPTEL Online Certification - Basic Electronics	Feb-Apr, 2017	NPTEL	-
91.	III / VI / A	Elizabeth N.J				-
92.	II / IV / B	Naveen T S				-
93.	III / VI / B	Pryadharsini.S				-
94.	II / IV / B	Naresh N				-
95.	II / IV / A	Karthika D				-
96.	II / IV / B	Priyanga S				-
97.	III / VI / A	Kaaviya M				-
98.	II / IV / A	Gowri P				-
99.	II / IV / B	Priyanga M				-
100.	III / VI / B	Sivaprakash.D				-
101.	III / VI / B	B.Udhayakumar				-
102.	III / VI / B	K.Deepan	NPTEL Online Certification - VLSI Physical Design	Feb-Apr, 2017	NPTEL	-
103.	III / VI / B	Vigneshwar B				-
104.	III / VI / B	Sathishkumar.S				-
105.	III / VI / A	Naagha Naveen Kumar.V				-

16 Batchs Registered For TI Contenst

8 Batch Received $ 200 Kit

TEXAS
INSTRUMENTS

Co-Curricular Activities (Intra-College Level)

S.No	Year / Sem. /Sec.	Name of the Student	Event Name	Conducted on	Name of the College /dept (Organized)
1.	IV/VIII/B	Nandhini.M	Value added course on Maker Spaces In Open Source Platform	27.01.17 to 31.01.17	KSRIET/ECE
2.	IV/VIII/B	Nasurulla.S			
3.	IV/VIII/B	Nethra V			
4.	IV/VIII/B	Prakashraj.M			
5.	IV/VIII/B	Priyadarshini.N			
6.	IV/VIII/B	Punithavalli.P			
7.	IV/VIII/B	Rubesh.L			
8.	IV/VIII/B	Sabarirajan KM			
9.	IV/VIII/B	Saranya.G			
10.	IV/VIII/B	SnehaPriya.S			
11.	IV/VIII/B	Subhashini.M			
12.	IV/VIII/B	SundarRao P			
13.	IV/VIII/B	Swetha.S			
14.	IV/VIII/B	Thirumurugan.S			
15.	IV/VIII/B	Vinay J			
16.	II/IV/B	M.Uma maheswari	Symposium	20.2.2017	KSRIET , TIRUCHENGODE
17.	II/IV/B	P.Muthu kumar	Quiz		
18.	II/IV/B	E.V.Yogesh	Quiz		

STUDENTS TOPPERS LIST

I SEM RESULTS (Nov/Dec-2016)

S.NO	STUDENT NAME	GPA OBTAINED	RANK	PHOTO
1	MARIMUTHU M	8.65	1	
2	LOGESH KUMAR K	8.65	2	

II SEM RESULTS (Apr/May-2017)

S.NO	STUDENT NAME	GPA OBTAINED	RANK	PHOTO
1	MARIMUTHU M	8.67	1	

OVERALL TOPPER

S.NO	STUDENT NAME	CGPA OBTAINED	RANK	PHOTO
1	MARIMUTHU M	8.66	1	

III SEM RESULTS (Nov/Dec-2016)

S.NO	STUDENT NAME	GPA OBTAINED	RANK	PHOTO
1	PREETHI G	8.50	1	

IV SEM RESULTS (Apr/May-2017)

S.NO	STUDENT NAME	GPA OBTAINED	RANK	PHOTO
1	PREETHI G	8.42	1	

OVERALL TOPPER

S.NO	STUDENT NAME	CGPA OBTAINED	RANK	PHOTO
1	PREETHI G	8.30	1	

V SEM RESULTS (Nov/Dec-2016)

S.NO	STUDENT NAME	GPA OBTAINED	RANK	PHOTO
1	LOKESHKUMAR V	8.30	1	

VI SEM RESULTS (Apr/May-2017)

S.NO	STUDENT NAME	GPA OBTAINED	RANK	PHOTO
1	MONICA DEVAPRIYAM P	8.75	1	

OVERALL TOPPER

S.NO	STUDENT NAME	CGPA OBTAINED	RANK	PHOTO
1	MONICA DEVAPRIYAM P	8.31	1	

VII SEM RESULTS (Nov/Dec-2016)

S.NO	STUDENT NAME	GPA OBTAINED	RANK	PHOTO
1	KARTHICK B	8.77	1	

VIII SEM RESULTS (Apr/May-2017)

S.NO	STUDENT NAME	GPA OBTAINED	RANK	PHOTO
1	NANDHINI A	9.33	1	

OVERALL TOPPER

S.NO	STUDENT NAME	CGPA OBTAINED	RANK	PHOTO
1	NANDHINI A	8.50	1	

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.

K S R Institute for Engineering and Technology,

K.S.R. Kalvi Nagar,Tiruchengode, Namakkal District,

Tamilnadu, India, Pin – 637 215.

Tel: + 91 4288 274773

Fax: + 91 4288 274773

Mobile: +91 99444 56056

Email : info@ksriet.ac.in