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.
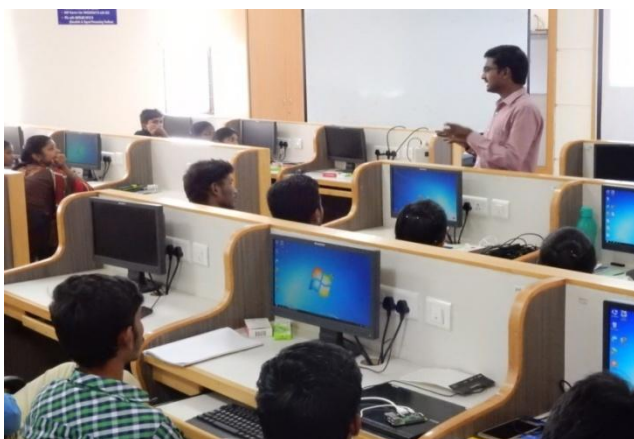
Program Educational Objectives (PEOs)

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.

SPRINGFEST 2K18

Springfest 2k18 National level technical symposium was conducted on 02.02.18 & 03.02.18.

➢ Workshop on Signal and Image Processing using MATLAB-Springfest 2k18 was handled by Dr.W.Devapriya, AP/ECE, Ms. B.Latha, AP/ECE, Mrs.S.Premalatha, AP/ECE, Mr.V.Praveen Kumar, AP/ECE

➢ Workshop on CMOS VLSI design using Microwind and DSCH - Springfest 2k18 was handled by Mr.G.Gowthamraj, AP/ECE, Mr.R.Tamilmani, AP/ECE

FACULTY PUBLICATIONS IN NATIONAL/ INTERNATIONAL JOURNALS/ CONFERENCES

- T.Senthil, **"Machine Learning Algorithms:A Background Artifact"** International Journal of Engineering and Technology, Volume no. 7,Jan 2018

- Dr.N.R. Rajalakshmi, K.R.Gokulanand, B.Latha, T.Marthandan, S.Karthik, **"Border Alert System using Smart Boat to Safeguard the Fisherman"**, International Journal on Future Revolution in Computer Science & Communication Engineering(IJFRSCE), April 2018.

- K.R.Gokulanand, Dr.N.R.Rajalakshmi, P.Saranya, P.Vidhya, B.Latha , **"Active utilization of grey water in residential buildings using IOT",** International Journal of Creative Research Thoughts(IJCRT),April 2018

- K.R.Gokulanand, & S.Karthik **Renovation of Wastewater to Utilizable Energy** International Journal for Scientific Research and Development (IJSRD) ,May 2018 Volume No.6,Issue No.2, pg -2732-2737

- M.V.Mahesh & K.R.Gokulanand **"VLSI Floor Planning based on improved ABC Algorithm"** 2nd International Conference on Recent Innovations in Engineering and Technnology Conducted by Auroro's Scientific Technological and Research Academy on 21.12.17 & 22.12.17.

- Mr.V.Praveen Kumar **"Mine Safety System Using Wireless Sensor Networks"** International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics-2018 Conducted by Prathyusha Engineering College, Chennai on 27.02.18 & 28.02.18

EVENTS ORGANIZED BY THE DEPARTMENT

Two days Guest lecture on Communication Theory was handled by Prof.Jeyaraman, Enthu Foundation, Coimbatore on 19.01.18 & 20.01.18

Three Days Workshop on "Internet of things using Raspberry Pi was handled by Dr.W.Devapriya, B.Latha, S.Premalatha, V.Praveen Kumar on 18.01.18 to 20.01.18

Two days guest lecture on "Antenna and Wave Propagation" was conducted by Mr.Ravikumar, Technilab Instrument, Bangalore on 22.03.18 & 23.03.18

Guest lecture on Medical Electronics was handled by Mr.Sathish Jadav, Biomedikit, Pune on 22.03.18 & 23.03.18

Guest lecture on Electronic Components and Test & Measuring Instruments was handled by Mr.Devarajan, Real power system, Bangalore and Mr.Krishnakumar, Professor, Amrita University, Coimbatore on 22.03.18 & 23.03.18

GUEST LECTURES AND KEYNOTE SPEECHES BY FACULTY

❖ Dr.W.Devapriya, AP/ECE acts as a Resource person for the workshop titled "**Signal and Image Processing using MATLAB**" at KSRIET on 03.02.18.

❖ Mr.G.Gowthamraj, AP/ECE provides Guest lecture for the workshop titled "**CMOS VLSI design using Microwind and DSCH"** at KSRIET on 03.02.18

❖ Mr.S.Karthik, AP/ECE acts as a resource person for the workshop titled "**Electric and Autonomous Vehicle Tracking**" at Kumaraguru College of Technology, Dept of Automobile Engineering on 07.02.18

❖ Student Interaction Program on Guidance about opportunities in IT Industries handled by Mr.Prem Kumar

KNOWLEDGE UP GRADATION:

Seminar/FDP/SDP/Workshop/STTP etc attended by Faculty

G.Gowthamraj	A Three Day – Residential – Students Workshop	Workshop	PALS & IITM Campus	27.12.17 to 29.12.17	Yes
E.L.Dhivyapriya	One Day National Level Workshop on "Designing a Samrt Home using Arduino and Wi-Fi-module"	Workshop	Karpagam College of Engineering	11.01.18	-

STUDENT ACHIVEMENT

Congratulations!

Name of the Student	Year / Sem./ Sec	Event Name	Conducted on	Name of the Department (Organized)	Prizes Won
P G.Palanivelu	III / VI / B	Project Expo	13.02.18	Kavery College of Engineering	1st Prize
G.Srimathi G.Santhia M.Praveena	II / IV/ B	Quiz	16.02.18 & 17.02.18	Dept of ECE, K.S.Rangasamy College of Technology	1st prize

CO-CURRICULAR ACTIVITIES – INTER COLLEGE LEVEL

Name of the Student	Year / Sem./ Sec	Event Name	Conducted on	Name of the Department (Organized)
V.Kavipreethi	III / VI/ A	Workshop on "ANDROID App Development"	02.12.17	UNIQ Technologies
A.Alexraj	III / VI/ A	A Three Day – Residential – Students Workshop	27.12.17 to 29.12.17	PALS & IITM Campus
M.Komala devi T.Gokila C.Priyanka S.Nivetha S.Sellakrishnaraja S.Yogesh A.Alexraj NivethanRaj.C Nivetha.K	II / IV / B II / IV / B III / VI/ A	Workshop on "Artificial Intelligence" Paper Presentation A Three Day – Residential – Students	24.12.17 28.12.17 27.12.17 to 29.12.17	Nandha Infotech, Coimbatore Sri Ramakrishna Engineering College PALS & IITM Campus

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Name	Class	Event	Date	Venue
Saraswathi.P		Workshop		
Logapriya.M				
R.Monika	II / IV /A	National level workshop on "Internet of Things"	19.01.18	Kongu Engineering College
T.Divya				
Jayashri.M				
Mekalai.K				
Ilakiya.S				
Iswarya.P				
Nandhakumar M				
Nivetha T				
Priyanka C				
Priyanka S S				
Ramya Sri E				
Roshini T				
Sakthi Priya S				
Sumathi R				
Tamilarasi S				
Tharanya P				
Vignesh R				
G.Srimathi	II / IV/ B	Paper Presentation	16.02.18 & 17.02.18	Dept of ECE, K.S.Rangasamy College of Technology
G.Santhia				
M.Praveena				
G.Srimathi	II / IV/ B	Project Expo	16.02.18 & 17.02.18	Dept of ECE, K.S.Rangasamy College of Technology
G.Santhia				
M.Praveena				
G.Santhia				
M.Praveena				
S.Abdulkadhar	II / IV/ A	Paper Presentation	16.02.18	Bannari Amman Institute of Technology
M.Gowtha				
K.Logesh kumar				
G.Srimathi	II / IV/ B	Paper presentation	24.02.18	Dhirajlal Gandhi College of Technology
G.Santhia				
S.Durairaj				
M.Indirakumar				
M.Brahadeeshwaran	II / IV/ A	Technical events		

Name	Year/Sem/Sec	Workshop	Date	Organized by
J.Santhosh Kumar	II / VI / B	Workshop on Real time Gadgets development using IOT with python and Raspberry PI	03.02.18	Dept of ECE/ KSRIET
R.Vimal kumar				
V.Ranjith				
N.Syed Salman				
J.Tamilarasi				
N.Naresh	III / VI / B	Workshop on Real time Gadgets development using IOT with python and Raspberry PI	03.02.18	Dept of ECE/ KSRIET
S.Sridharan				
G.Palanivelu				
B.Ramya				
J.Thangaraj	II / VI / B			
L.Merin kumar	I /II /A			
D.Kishore				
N.Gokulnath				
R.Gokulnath				
M.Kishor				
R.Harish kumar				
K.Anbazhagan				
S.Janarth				
N.Balakumaran				
K.Dharnish				
A.Nivetha	IV/VIII /A	Workshop on Signal and Image processing using MATLAB	03.02.18	Dept of ECE/ KSRIET
T.Oviya				
M.Nandnini				
R.Nandhini				
M.Priyardharshini	II / VI / B	Workshop on CMOS VLSI design using micro wind and DSCH	03.02.18	Dept of ECE/ KSRIET
P.Priyardharshini				
K.R.Sharveshram				
M.Brahadeeshwaran	II / VI / A			
S.Durairaj				
M.Indirakumar				
K.Mekalai				
A.Meena				
N.M.Akshaya				

Name	Class	Workshop	Date	Organizer
A.S.Malathi				
T.Dhivya				
Oviya.T	IV/ VIII/A			
Nandhini.R				
Santosh.E	IV/ VIII/B			
Siva Ranjani P				
Gokulakrishnan R	IV/ VIII/A	Workshop on Internet of Things using Raspberry Pi	18.01.18 to 20.01.18	Dept of ECE/ KSRIET & Enthu Technologies
Karthi V				
Logesh Kumar M				
Madhu Krishna B				
Suriya V	IV/ VIII/B			
Pradeep S	IV/ VIII/A			
Kathiravan.M	III / VI / A			
Gopalakrishnan.R				
Arunkumar.A				
Anbarasan.S				
Karthikeyan.P				
Karthikeyan.S	III / VI / A	Workshop on Internet of Things using Raspberry Pi	18.01.18 to 20.01.18	Dept of ECE/ KSRIET & Enthu Technologies
Gowri.P				
Harini.T				
Sasikumar.T				
Jayabharathi.S				
Kavipreethi.V				
Gokila.T				
Ezhil.M				
Bhuvaneswari.R				
Alexraj.A				
Palanivelu G	III / VI / B			
Naresh N				
Selvarakeshkumar C				
Vinay.V				
Tharunya.S				
Tamilarasi J				
Pavithra P				
Suganthi.S				
Vinothini G				
Sridharan.S				

Uma Maheshwari M				
Naveen TS				
Srimathi G	II / IV/ B			
Poornima N				
Vignesh R				
Sukhesan C	I / II / B			
Sweetlin Joshva.A				
Ramya S				
Merin Kumar.L				
Zubair.M				
Sivasankaran.K				
Thiyagu.M				
Pradeep.R.R	III / VI/ B			
Sathiya Moorthi .K	II / IV/ B			

ACHIEVEMENTS BY STUDENTS

Name of the student	Year/Sem/ sec	Type of the Programme	Conducted by (Dept. and Institution)	Date
V.Praveen kumar	III / VI/ B	Multi-Utility Light	Bajaj – Navachar Electrical Contest	December 2017
C.Selvarakeshkumar				
C.Nivedhan Raj				
S.Sridharan				
T.S.Naveen	III / VI/ B	Multi-Utility Light	Bajaj – Navachar Electrical Contest	December 2017
V.Vinay				
G.Palanivelu				
N.Naresh				
P.Karthikeyan	III / VI/ A	Multi-Utility Light	Bajaj – Navachar Electrical Contest	December 2017
S.Karthikeyan				
M.Kathiravan				
A.Arun kumar				

PAPER PRESENTATIONS

Name of the Author(s)	Title of the paper	Title of the Symposium/ Conference	Conducted by (Dept. and College)	Date of Conference
Janani. T Durka devi. S Keerthana. S	Digital Canary	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
Barath Kumar. M Dhivya Dharani.J Manoj Aravind. V Manoj Kumar.K	HD Mobile Projector	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
Nandhini. M Nandhini. R Nivetha .A Oviya.T	Automatic Face Recognition System for Visually impaired person	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
Logesh kumar. M Madhu Krishna.B Gopika .N	Multitasking Robot for Modern Agriculture	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
Deepan. K Poongodi. S Sasitha. M Bhuvaneshwari. S	Border Alerting System using Smart boat to Safeguard fisherman	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
Dhivyaprabha. P Kaaviya. M Karthika. S	Baking of Electronic Components	Recent Trends in Electronics and Communication	Jayalakshmi Institute of Technology	22.03.18
Gokula Krishnan.R Govindaraj. M Karthi. V	Automatic Plant Monitoring based on Soil moisture Sensor RTC	National Conference on Futuristic Automotive Technologies	Hindusthan Institute of Technology	16.03.18 & 17.03.18

Authors	Title	Conference	Institution	Date
Loganathan.C Hemavarthini. M Kaleeswaran. S	Thingspeak Based Drinking Water Quality Monitoring and Notification System	National Conference on Futuristic Automotive Technologies	Hindusthan Institute of Technology	16.03.18 & 17.03.18
Janani.R Elizabeth.N.J Jayashree.S Arthi. K	Voice Controlled Smart Wheel Chair	Recent Trends in Electronics and Communication	Jayalakshmi Institute of Technology	22.03.18
Abinaya. R Atchaya. R Divya. S Kanmani. R	Online Monitoring Based Versatile Telemedical System	Recent Trends in Electronics and Communication	Jayalakshmi Institute of Technology	22.03.18
Arun. S.K Deepakraju. C Karthik.G	Coin based Health Status Measurement System	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
Gokul Raj.K.N Karthikeyan G.N Parthasarathi. M.M	Automatic Tollgate Collection	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
Deepankumar.S Krishnaa.M Mahaboof Sherif. E	Automated Solar Vehicle	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
Jothiprakash. R Kathiresh. S Kavin Raj. G Naagha Naveen Kumar. V	Radio Frequency Identification Based Vehicle Monitoring System Using IOT	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18

Kalaipriya. N	Advanced Centralization Banking System Using Biometric Detection in Low Power SoC Board	Recent Trends in Electronics and Communication	Jayalakshmi Institute of Technology	22.03.18
Padmapriya. E				

Inplant Training attended by the students

Name of the student	Year/Sem/ sec	Title of the programme	Conducted by(Dept.and Institution)	Date	Period
V.Kavipreethi	III / VI/ A	Image processing & MATLAB	UNIQ Technologies	01.12.17 & 02.12.17	3 days
M.Komala devi					
T.Gokila					
S.Pratheep					
M.Kathiravan					
A.Meena	II /IV /A	Signal and Communication	BSNL Madurai SSA	04.12.17 to 08.12.17	5 days
C.Sridhar	III /VI /B	Networking	Techwork	04.12.17 to 08.12.17	5 days
E.V.Yogesh					
V.Subash	II /IV /B	Embedded Systems	PRAYOG Technologies	13.12.17 to 16.12.17	4 days
B.Vigneshwar	IV/ VIII /B	Signal and Communication	Southern Railway Division	18.12.17 to 22.12.17	5 days
M.Logesh Kumar	IV/ VIII /A				
E.Mahaboof Sherif					

B.Madhu Krishna					
S.Deepan Kumar					
S.Kathiresh					
M.Krishnaa					

Papers presented in National Conference

Name of the Author(s)	Title of the paper	Title of the Conference	Conducted by (Dept. and College)	Date of Conference
P.Saranya	HD Mobile Projector	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
P.Saranya	Automatic Plant Monitoring based on Soil moisture Sensor and RTC	National Conference on Futuristic Automotive Technologies	Hindusthan Institute of Technology	16.03.18 & 17.03.18
B.Latha	Digital Canary	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
Dr.W.Devapriya	Automatic Face Recognition System for Visually impaired person	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
Dr.W.Devapriya	Multitasking Robot for Modern Agriculture	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
G.Gowthamraj	Thingspeak Based Drinking Water Quality	National Conference on Futuristic	Hindusthan Institute of Technology	16.03.18 & 17.03.18

	Monitoring and Notification System	Automotive Technologies		
Dr.N.R.Rajalakshmi	Border Alerting System using Smart boat to Safeguard fisherman	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
Dr.N.R.Rajalakshmi	Baking of Electronic Components	Recent Trends in Electronics and Communication	Jayalakshmi Institute of Technology	22.03.18
S.Premalatha	Voice Controlled Smart Wheel Chair	Recent Trends in Electronics and Communication	Jayalakshmi Institute of Technology	22.03.18
T.Marthandan	Online Monitoring Based Versatile Telemedical System	Recent Trends in Electronics and Communication	Jayalakshmi Institute of Technology	22.03.18
S.Krishna Kumar	Coin based Health Status Measurement System	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
A. Ravi	Automatic Tollgate Collection	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
J.Divakaran	Automated Solar Vehicle	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
P.Prem kumar	Radio Frequency Identification Based Vehicle Monitoring System Using IOT	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18

E.L.Dhivyapriya	Advanced Centralization Banking System Using Biometric Detection in Low Power SoC Board	Recent Trends in Electronics and Communication	Jayalakshmi Institute of Technology	22.03.18
R.Leelavathi	Automatic Railway Level Crossing Gate Controller Using GPS & LORA (HC12)	Emerging Trends in Engineering and Technology	Nandha College of Technology	17.03.18
K.R.Gokulanand	Design and Implementation of Smart Wheel (Hair For Physically Handicapped People)	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
Dr.R.Nandakumar	Automised safe Ac System in CARS	Futristic Automotive Technologies	Hindusthan Institute of Technology	16.3.18 & 17.3.18
Mr.M.V.Mahesh	Third Eye for Visually Challenged People Using Embedded System	Innovations in Science, Engineering and Technology for Sustainable Development	Muthayammal Engineering Colleger	30.3.18 & 31.3.18
Mrs. S. Gomathi	VLSI Design of Lossless Audio Coding Compression Based On BWT & RLE algorithm	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.03.18 & 10.03.18
Mr.N.K.Shankar	Smart Automatic Ambulance Alert Using Embedded System	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	09.3.18 & 10.3.18
Mr.T.Senthil	Smart Auditorium	Recent Trends in	Jayalakshmi Institute of	22.03.18

	Control system Using Arduino	Communication and Information Technology	Technology	
Mr.S.Karthik	Smart Sanitation	Recent Trends in Communication and Information Technology	Jayalakshmi Institute of Technology	22.03.18
Mr.S.Karthik	Embedded system Based Smart Safety Swimming pool	Recent Trends in Communication and Information Technology	Jayalakshmi Institute of Technology	22.03.18
Mr.S.Nandakumar	Wireless Healthcare Monitoring Using IOT	Recent Trends in Communication and Information Technology	Jayalakshmi Institute of Technology	22.03.18
Dr.N.R.Rajalakshmi	Border Altering System Using Smart Boat To Safeguard Fisherman	Recent Trends in Communication and Information Technology	Knowledge Institute of Technology	04.03.18 & 05.03.18
Mr.K.Venkatachalam	Implementation Of Smart Chair with BLE	Innovations in Science, Engineering and Technology for Sustainable Development	Muthayammal Engineering College	30.03.18 & 31.03.18
Mr.P.Govindaraju	Design and implementation of embedded based Boarding/ De-boarding of bus passengers count and measures of safety standard	Innovations in Science, Engineering and Technology for Sustainable Development	Muthayammal Engineering College	30.03.18 & 31.03.18

STUDENTS TOPPERS LIST

I SEM RESULTS (Nov/Dec 2017)

S.NO	STUDENT NAME	CGPA Obtained	Rank	Photo
1	ALKA P	9.28	1	

II SEM RESULTS (Apr/May 2018)

S.NO	STUDENT NAME	CGPA Obtained	Rank	Photo
1	SHARUMATHI S	8.68	1	

OVERALL TOPPER

S.NO	STUDENT NAME	CGPA Obtained	Rank	Photo
1	ALKA P	8.72	1	

III SEM RESULTS (Nov/Dec 2017)

S.NO	STUDENT NAME	CGPA Obtained	Rank	Photo
1	BHAVYASHREE S	8.19	1	

IV SEM RESULTS (Apr/May 2018)

S.NO	STUDENT NAME	CGPA Obtained	Rank	Photo
1	MARIMUTHU M	8.07	1	

OVERALL TOPPER

S.NO	STUDENT NAME	CGPA Obtained	Rank	Photo
1	MARIMUTHU M	8.38	1	

V SEM RESULTS (Nov/Dec 2017)

S.NO	STUDENT NAME	CGPA Obtained	Rank	Photo
1	PAVITHRA P	8.39	1	

VI SEM RESULTS (Apr/May 2018)

S.NO	STUDENT NAME	CGPA Obtained	Rank	Photo
1	BHUVANESHWARI R	8.16	1	

OVERALL TOPPER

S.NO	STUDENT NAME	CGPA Obtained	Rank	Photo
1	PREETHI G	8.26	1	

VII SEM RESULTS (Nov/Dec 2017)

S.NO	STUDENT NAME	CGPA Obtained	Rank	Photo
1	OVIYA T	7.68	1	

VI SEM RESULTS (Apr/May 2018)

S.NO	STUDENT NAME	CGPA Obtained	Rank	Photo
1	DEEPAN K	8.83	1	

OVERALL TOPPER

S.NO	STUDENT NAME	CGPA Obtained	Rank	Photo
1	HEMAVARTHINI M	7.82	1	

GALLERY

EDITORIAL BOARD

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,

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Tamilnadu, India, Pin – 637 215.

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