

**PEOs of Department**

**PEO1 (Core Competency):** Graduates will acquire a strong foundation in mathematical, scientific and engineering fundamentals necessary to formulate, solve and analyze Computer Science and Engineering problems.

**PEO2 (Professionalism):** Graduates will practice the profession with ethics, integrity and leadership to relate engineering to global perspective issues and social context.

**PEO3 (Higher Studies and Entrepreneurship):** Graduates will be prepared for their careers in the software industry or in higher studies leading to research and for applying the spirit of innovation and entrepreneurship in their career and continuing to develop their professional knowledge on a life long basis.

**PSOs of Department**

**PSO1 (Software System Design and Development):** The ability to apply software development life cycle principles to design and develop the application software that meet the automation needs of society and industry.

**PSO2 (Computing and Research ability):** The ability to employ modern computer languages, environments and platforms in creating innovative career paths in SMAC (Social, Mobile, Analytics and Cloud) technologies.

**PROGRAMME OUTCOMES (POs)**

**PO1: Engineering knowledge:** Ability to apply the knowledge of mathematics, physical sciences and computer science and engineering specialization to the solution of complex engineering problems.

**PO2: Problem analysis:** Ability to identify, formulate and analyze complex real life problems in order to provide meaningful solutions by applying knowledge acquired in computer science and engineering.

**PO3: Design/development of solutions:** Ability to design cost effective software / hardware solutions to meet desired needs of customers/clients.

**PO4: 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 in the field of computer science and engineering.

**PO5: Modern tool usage:** Create, select and apply appropriate techniques, resources and modern computer science and engineering tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

**PO6: 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.

**PO7: Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**PO8: Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**PO9: Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO10: 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.

**PO11: 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.

**PO12: 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.

# NEWS LETTER

Volume 5 | Issue 1

Department of Computer Science and Engineering

Semester News Letter

2017-2018 (EVEN)

**Contents***Faculty Details**About Association**Academic Toppers**Co-Curricular Activities**Faculty Publications**Programs Organized by faculty**Programs Attended by faculty***Vision**

To produce globally competitive Computer Science Engineers and Entrepreneurs with moral values

**Mission**

Provide **quality education** to enhance problem solving skills, leadership qualities, team-spirit and ethical responsibilities.

Enable the students to adapt to the rapidly changing technologies by providing **advanced laboratories** and facilities.

Promote **research** based activities in the emerging areas of techno-environment in order to meet industrial and societal needs.



**K S R Institute for Engineering and Technology**

**Vision**

To become globally recognized Institution in Engineering education, Research and Entrepreneurship.

**Mission**

Accomplish quality education through improved teaching learning process.

Enrich technical skills with state of the art laboratories and facilities.

Enhance research and entrepreneurship to meet the industrial and societal needs.

**News Letter Team****Staff Support**

Ms.N.Sharmila  
Mrs.R.Deebika

**Students Support**

S.Niveditha III / CSE  
T.GunaBharathi II / CSE

**List of faculty members in the department**

<i>Dr.M.Venkatesan, M.E.,Ph.D.</i>	<i>Professor</i>
<i>Dr.B.Kalaavathi, M.Tech,Ph.D.</i>	<i>Professor</i>
<i>Mr.M.Jaganathan, M.E.,</i>	<i>Assistant Professor</i>
<i>Mrs.P.Sumathi, M.E.,</i>	<i>Assistant Professor</i>
<i>Mr.M.Jawahar, M.E.,</i>	<i>Assistant Professor</i>
<i>Mrs.R.Deebika, M.E.,</i>	<i>Assistant Professor</i>
<i>Mr.P.Krishna Sankar, M.E.,</i>	<i>Assistant Professor</i>
<i>Mr.K.Sriram Kumar, M.E.,</i>	<i>Assistant Professor</i>
<i>Mr.V.Prakasam, M.E.,</i>	<i>Assistant Professor</i>
<i>Mr.S.Saravanan, M.E.,</i>	<i>Assistant Professor</i>
<i>Ms.N.Sharmila, M.E.,</i>	<i>Assistant Professor</i>
<i>Ms.L.Priyanka Devi, M.E.,</i>	<i>Assistant Professor</i>
<i>Mrs.V.Thangamani, M.E.,</i>	<i>Assistant Professor</i>
<i>Mr.V.Gopinath, M.E.,</i>	<i>Assistant Professor</i>
<i>Mr.R.Venkatesan, M.E.,</i>	<i>Assistant Professor</i>
<i>Mr.R.Gopal, M.E.,</i>	<i>Assistant Professor</i>
<i>Ms.D.Kavinya, M.E.,</i>	<i>Assistant Professor</i>

**System Administrator**

*Mr.S.Karthikeyan*

**Supporting Staff**

*Mr.S.Abiviruthi*

*Mrs.T.Udhaya*

*Mr.P.Rajkumr*

*Mr.S.Perumal*



**“SPRING FEST” a National Level Technical Symposium**



**SRS Contest**



**Handson Training on R Programming**



**Prize Distridution forEvent Winners**

**List of papers presented in National Conference / International Conference**

S. No	Name of the faculty	Type of Program	Title of the Paper	Organized By	Dates
	Ms.L.Priyanga Devi	International Conference	Touchless motion sensor trash can using IOT	Muthayammal Engineering College	30 & 31 march 2018
	Dr.B.Kalaavathi	International Conference	Breath Acetone based type / diabetes monitoring	Al-Ameen Engineering College	5 <sup>th</sup> April 2018
	Mr.S.Saravanan	International Conference	Monitoring Dementia People using IOT and Music Theraphy	M.P.Nachimuthu M.Jaganathan Engineering College	28 <sup>th</sup> March 2018
	Mr.V.Gopinath	International Conference	An interactive web portal for effective management system	Muthayammal Engineering College	30 & 31 March 2018
	Ms.N.Sharmila	National Conference	Blood Master System	SNS College of Technology	28 <sup>th</sup> March 2018



**List FDP/STTP/Workshop / Seminar/ Training Programs attended by faculty**

S. No	Type of Program	Title of the Program	Organized By	No. of Faculty Members attended	Dates
1.	FDP	Team building	ICT Academy	1	09.01.2017-10.01.2017
2.	FDP	Time management	ICT Academy	1	30.05.2017-31.05.2017
3.	Pre-convention	Data science	Computer society of	1	22.01.2017
4.	FDP	Data science and big data analytics	ICT Academy	9	15.02.2017-16.02.2017
5.	Workshop	workshop on "E-learning :challenges and opportunities	Sri krishna college of engineering	1	21.04.2017
6.	Training	EPS training program	JCI-Erode	2	24.04.2017-25.04.2017
7.	FDP	Teaching techniques	ICT Academy	1	15.02.2017-16.02.2017
8.	Convention	Computer society of india, CSI 2016	Computer society of	1	23.01.2017-25.01.2017



Event - Hyperlink & Math Magica on 10.01.2107      Intra Department Paper Presentation

**List of Toppers in online courses**

S. No	Name of the Faculty	Title of the Program	Organized By	Dates
1.	Dr.B.Kalaavathi	Wireless Ad Hoc and Sensor Networks	NPTEL	Jan-Mar.2017

**Students Achievements**

**Academic Toppers: (University Exams Nov Dec/May' 16)**

S.No	Name of the student	Year / Semester	GPA
1.	SWETHA B	I / I	9.19
2.	NAVEENA D	II / III	8.22
3.	NITYA S	III / V	8.43
4.	KEERTHANA B MONIKA A	IV / VII	7.82

**Academic Toppers: (Upto this Semester)**

S.No	Name of the student	Year / Semester	CGPA
1.	SWETHA B	I / I	9.19
2.	NAVEENA D	II / III	7.7
3.	NIVEDITHA S	III / V	7.97
4.	KEERTHANA B	IV / VII	8.02

**Deya**

Deya is a society started by our computer science and engineering department students. The main objective of this organization is to extend our helping hands to all the needy ones and therefore being the citizens of nation we have incepted this work with the poor children by helping those nonprofit trusts caring for the orphans by providing a support to their work.



Deya visit at Karunalaya Trust, Erode

Event conduction in events at Trust

**Participation in inter-institute events by students****Association Activities**

S.No.	Type of the Programme	Title of the Programme	Date	Resource Person
1.	Value added course	JAVA (angular JS / React JS	16.12.16 to 23.12.16	Mr.Gajendran Ganesapandian, MTS 2Engineer, Paypal
2.	Value added course	VMware Data center Virtualization Foundations Workshop & Value added course	26/12/2016 to 29/12/2016	ICT Academy and R.Gopal, AP/CSE
3.	Workshop	Workshop on "Mobile Application Development"	28/12/2016 to 30/12/2016	Mr. M.Jawahar, AP/CSE Mr. R.Gopal, AP/CSE
4.	Workshop	Hands on training on R Programming	6/1/2017, 7/1/2017	Mr.S.Karthikeyan, corporate Trainer, ICT Academy
5.	Event	Hyperlink & Math Magica	10/1/2017	CSE Faculty Members
6.	Guest Lecture	Artificial Intelligence	28/1/2017	Dr.N.Mahesh, AP(SG) /CSE, IRTT , Erode
7.	Guest Lecture	Design and Analysis of algorithms	28/1/2017	Mrs.P.Kumudha, AP/CSE, CIT,CBE
8.	Symposium	"SPRING FEST" a National Level Technical Symposium	07/02/2017 and 08/02/2017	CSE Faculty Members
9.	Workshop	Third Regional Level Convention - Cross Mobile Platform Workshop	23/02/2017	SAN Technologies Erode
10.	Convention	Third Regional Level Convention - Technical and Non Technical Events	24/02/2017	CSE Faculty Members
11.	Paper Presentation	Intra Department Paper Presentation	28/2/2017	CSE Faculty Members
12.	Contest	SRS Contest	01/3/2017	CSE Faculty Members
13.	Special Lecture	Motivational talk Self Enhancement	07/03/2017	Mr.Jayaram Umashankar, Corporate trainer &consultant

**Faculty Publication**

1. Sakthivel, M, **Venkatesan, M**, 2016 "Efficient Trajectory Error Detection: Router Group monitoring with adaptive Interface Selection Strategy" Journal of Computer Science Engineering and Software Testing, Vol: 2, Issue:2, pp.1-9.
2. Jayabalaji, KA &**Venkatesan, M** 2016, 'Channel Aware Multilayer Routing Protocol for Under water wireless sensor Network, Asian Journal of Research in Social Sciences and Humanities, ISSN 2249-7315.
3. A.M.SenthilKumar, **Dr. M.Venkatesan**, Dr. A.RajivKannan,2016, 'ERAM2 - Energy Based Resource Allocation with MinimumReckon and Maximum Reckon',Journal of Advance in Chemistry, ISSN 2321-807X, Volume 12 Number 23, pp.5484-5493.
4. Selvi, S and **B.Kalaavathi, B**, 'Enhanced Scheduling Approach Using Heuristics Flow Equilibrium Based Load Balancing Algorithm In Cloud', International Journal of Control Theory and Applications, 2016,vol. 9, no. 2, pp. 1023-1034.
5. Selvi, S and **B.Kalaavathi, B**, 'Multilayer Intensive Resource Allocation in Cloud using Leftist Heaps with VM Migration',International Journal of Printing, Packing & Allied Sciences, 2016,vol. 4,no. 4, pp. 2763-2775.
6. R.Chitra and B.Kalaavathi, "Effective Multicast Broadcast Services in Mobile WiMAX Using Location Based Load Management Technique" South Asian Journal of Engineering and Technology 2016, Vol.2, No.19,pp 22-27.

**List of online courses attended by Faculty members**

S. No	Name of the Faculty	Title of the Program	Organized By	Dates
1.	Mrs.R.Deebika	Programming in C++	NPTEL	Feb-Apr.2017
2.	Ms.N.Sharmila	Programming in C++	NPTEL	Feb-Apr.2017
3.	Ms.L.Priyanga Devi	Programming in C++	NPTEL	Feb-Apr.2017

**Placement Details**

S.No	Name of the company	Number of offers
1.	IDBI Federal Life Insurance, Coimbatore	12
2.	Wipro Technologies, Bangalore	4
3.	Arimugham Chennai	5
4.	Vuram Technology Solutions Private Limited, Chennai	1
5.	AON HEWITT, Chennai	1
6.	Zealous Services, Chennai	8
7.	Telliant Systems, Chennai	1
8.	Savvysoft Technologies Pvt Ltd, Chennai	8
9.	Vinayak Infotech, Chennai	1
10.	Codingmart Technologies Bangalore	2
11.	VEE Technologies Inc, Salem	2
12.	Xpanxion International Private Limited, Chennai	1
13.	Infoview Technologies Pvt Ltd, Chennai	2
14.	Xpanxion International Private Limited, Chennai	1
15.	Vara United Private Limited, Bangalore	1

14.	Guest Lecture	Microprocessors & Microcontrollers	10/3/2017, 11/3/2017	Mr. A. Athif Shah, Design head, ABE semiconductor Technologies, Chennai
15.	Event	NAYAK	14/3/2017	CSE Faculty Members
16.	International Conference	First International Conference on Recent Trends in Engineering and Technology (ICRTET'17)	17/03/2017	Dr.A.Mahabub Basha Professor & Director of EEE, KSRCE

**Value added Courses**

S.No	Title of the Program	Date	Resource Person
1.	VMware Data	26/12/2016 to 29/12/2016	ICT Academy and Mr.R.Gopal, AP/CSE

**Participation in inter-institute events by students**

**Workshop**

S.No	Name of the Student	Year/Sem	Name of the Program	Date	Name of the Organization
1.	PAVITHRA E	II / III	Android App Development Workshop	28.12.16	CARE Group of Institutions, Trichy
2.	POORNIMA M	III/V			
3.	PRIYANKA N	III/V			
4.	VISHNUPRIYA S	III/V			
5.	DHARANI R	III/V			
6.	VINITHA S	III/VI	Natal level workshop on "LIVE HACKING"	14.2.27	M. Kumarasamy College of Engineering, Karur
7.	NAGALAKSHMI G	III/VI			
8.	SARAVANA ABISHEK G	III/VI			
9.	SELVAGANAPATHI R	III/VI	Workshop on "Data Science and Big Data Analytics"	16.03.17	Kongunadu College of Engineering and Technology, Trichy
10.	PREETHA.N	IV/VIII			
11.	CHANYA.P	IV/VIII			
12.	DHIVYA.S	IV/VIII			



IDBI Federal Life Insurance, Coimbatore



Coding mart Technologies Bangalore



Dr.B.Kalaavathi- Wireless Ad Hoc and Sensor Networks



**Paper Presentation**

S.No	Organized by	Name of the Program	Date	Number of Students	Year/Semester
1.	Kongu Engineering College, Perundurai	INFOCRUISE 2K17	20.03.17	4	III/VI
2.	Dr.Mahalingam College of Engineering and Technology, Pollachi	Paper Presentation	30.09.16	3	IV/VII
3.	KLN College of Engineering, Madurai	Paper presentation	09.03.17	2	III/VI
4.	K.Ramakrishnan College of Engineering, Trichy	Paper presentation	09.03.17	4	III/VI
5.	Sree Narayana Guru College of Engineering and Technology, Kannur, Kerala	Paper Presentation	25.03.17	7	IV/VIII

**Events**

S.No	Organized by	Name of the Program	Date	Number of Students	Year/Semester
1.	Chennai Institute Of Technology, Chennai	Technical Quiz	11.02.17	4	IV/VIII
2.	KSRCT KSR School of Management, Tiruchengode	General Quiz	16.02.17	2	II/IV
3.	KSRCT KSR School of Management, Tiruchengode	Management Games	16.02.17	7	II/IV
4.	KSRCT KSR School of Management, Tiruchengode	Connexions	16.02.17	8	II/IV
5.	K.Ramakrishnan College of Engineering, Trichy	Debugging	09.03.17	4	III/VI
6.	Kongu Engineering College, Perundurai	C Debugging	20.03.17	3	III/VI
7.	Kongu Engineering College, Perundurai	Poster design	20.03.17	2	III/VI
8.	Anna University , Chennai	Smile Settai Workshop RJ Hunt	22.3.17 to 24.03.17	1	II/IV
9.	Sri Eshwar College of Engineering Coimbatore	Web designing	22.3.17 to 24.03.17	2	IV/VIII
10.	M.Kumarasamy College of Engineering, Karur	Short film	24.03.17	3	III/VI

**Co-curricular Events Winners**

S.No	Organized by	Name of the Event	Date	Number of Students	Year/Sem	Prizes won
1.	M Kumarasamy College of Engineering	Short film	24.03.17	3	III/VI	Second
2.	Sri Eshwar College of Engineering Coimbatore	Web designing	22.3.17 to 24.03.17	2	IV/VIII	Third
3.	Kongu Engineering College, Erode	Paper Presentation	20.03.17	1	II/IV	Third
4.	Kongu Engineering College, Erode	C Debugging	20.03.17	3	III/VI	First
5.	Sri Venkateshwara Institute of Technology, Coimbatore	Quiz	27.10.16	3	III/VI	Second
6.	Gnanamani College of Engineering, Rasipuram	Technical Quiz	24.8 .16	2	IV/VII	First
7.	Gnanamani College of Engineering, Rasipuram	Code Debugging	24.8 .16	1	IV/VII	First

**Extra-curricular Activities**

S.No	Name of the Student	Tournament	District/ State	Position	Venue
1.	R.Praveen Kumar II - CSE	4X100 M Relay	District	Gold	KSR College of Technology, Tiruchengode
2.	T.Madhubalan IV CSE	4X100 M Relay	District	Gold	Kongunadu Engg. College, Trichy
3.	S.V Arunkumar II CSE	100m	District	Silver	Dharmapuri. Region

**Sports Day Celebration 2017**

