

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

2016-2017 (ODD)

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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

Industry Visit

S.No	Name of the Company	Student Strength	Date of Visit
1.	Chips Software Pvt.Ltd., Kochin.	45 (2015-2019)	02.7.16
2.	IT CHAMPS, Mysore.	43 (2014-2018)	21.7.16



30.07.2016 Seminar on SDLC Models by Mathan Kumar Govindarajan



13.8.2016 Guest Lecture on Theory of Computation



Workshop on Ethical Hacking



24.08.2016 Muthamizh Saaral



Event Code Debugging & English Wizard



Prize distribution for events

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

Name of the faculty	Type of Program	Title of the Program	Organized By	Dates
Mr.M.Jawahar	FDP	Java fundamentals and programming	Oracle Academy	18.07.2016-22.07.2016
Mrs.R.Deebika	FDP	Introduction to R programming	ICT Academy	30.11.2016-01.12.2016
Ms.N.Sharmila	FDP	Introduction to R programming	ICT Academy	30.11.2016-01.12.2016
Ms.L.Priyanka Devi	FDP	Introduction to PHP programming	ICT Academy	30.11.2016-01.12.2016
	FDP	IT6007-Free and open source software	Anna University	01.12.2016-05.12.2016 & 19.12.2016-20.12.2016
Mr.V.Prakasam	FDP	IT6007-Free and open source software	Anna University	01.12.2016-05.12.2016 & 19.12.2016-20.12.2016
Mr.P.KrishnaSankar	FDP	Introduction to PHP programming	ICT Academy	12.12.2016-13.12.2016
Mr.K.Sriram Kumar	Training	Project based learning 'PBL' in JAVA J2EE	Wipro, Bangalore	23.05.2016 –03.06.2016
Mr.R.Gopal	FDP	Virtualization using VSphere 6.0	ICT Academy	17.10.2016-21.10.2016

Act as Resource Person

Name of the faculty	Type of Program	Title of the Program	Name of the College	Dates
Mr.P.KrishnaSankar	FDP	Grid and Cloud Computing	Department of Information Technology, Dr.N.G.P. Institute of Technology	30.09.2016
	FDP	CS6801- Multi- core Architectures and Programming	Department of Computer Science and Engineering, Erode Sengunthar Engineering college	22.11.2016

About Association

VRICSA Inauguration , 30.07.2016

VRICSA (2016 - 2017) Association of Computer Science and Engineering an Intra department technical Association, was inaugurated by Mr. Mathan Kumar Govindarajan, Senior Technology Analyst, HP Services on 30th July, 2016 at KSRIET Seminar Hall in the presence of Management, students and faculty members of Computer Science and Engineering Department. Our Chief Guest gave an inaugural address to gatherings.



The welcome address was given by Dr.B.Kalaavathi, HoD of Computer Science and Engineering department, KSRIET. The inauguration was Felicitated by Dr.M.Venkatesan, Principal, KSRIET. The introduction of office bearers was done by Ms.N.Sharmila, Assistant Professor, Department of Computer Science and Engineering. The year plan of association activities was given by Ms.B.Keerthana, Student Secretary, VRICSA.



30.07.2016 VRICSA inaugurated by Mr. Mathan Kumar Govindarajan

Students Achievements

Academic Toppers: (University Exams Apr/May' 16)

S.No	Name of the student	Year / Semester	GPA
1.	PRIYADHARSHINI R	I / II	8.12
2.	NITHYA S	II / IV	8.28
3.	SHARMILA D	III / VI	8.72
4.	ARULGNANA SUNDARI B	IV / VIII	9.25

Academic Toppers: (Upto this Semster)

S.No	Name of the student	Year / Semester	CGPA
1.	PAVITHRA E PRIYADHARSHINI R	I / II	7.7
2.	NIVEDITHA S	II / IV	7.88
3.	KEERTHANA B	III / VI	8.05
4.	REVATHI T	IV / VIII	8.13

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.



Anandhamalar Trust at Erode



Deya visit at Anandhamalar Trust



Deya Inauguration at KSRIET

Faculty Development Programme Organized

S.No	Name of the Programme	Resource person	Date
1.	Faculty Development Program on Compiler Design	Mrs.P.Sumathi, AP/CSE, KSRIET	15.12.2016 to 17.12.2016
2.	Workshop on Grid and Cloud Computing Tools	Mr.P.Krishna Sankar, AP/CSE, KSRIET	17.06.2016 to 18.06.2016



Faculty Development Program on Compiler Design



Workshop on Grid and Cloud Computing Tools



31.07.2017- 02.08.2017 Python Programming at KSRIET

Faculty Publication

1. Vijender Kumar Solanki, **Venkatesan, M** & Katiyar, S 2016, 'Think Home: A Smart Home as Digital Ecosystem in Circuits and Systems', (ISSN 2153-1293) Scientific Research Publishing Inc..
2. Vijender Kumar Solanki, **Venkatesan, M** & Katiyar, S 2016, 'Conceptual Model for Smart Cities for Irrigation and Highway Lamps using IoT', International Journal of Interactive Multimedia and Artificial Intelligence, (ISSN 1989-1660).
3. Sakthivel, M, **Venkatesan, M**, 2016, 'Router group selection using BAT Algorithm with Bayesian Filter (BABF): An Efficient Trajectory Error Detection', Asian Journal of Research in Social Sciences and Humanities, ISSN 2249-7315, vol. 7, no. 1, pp.796-812 .
4. P.S. Gomathi and **B.Kalaavathi**, "Multimodal Medical Image Fusion in Non-Subsampled Contourlet Transform Domain", Circuits and Systems, 2016, Vol.7 No.8, pp.1598-1610. ISSN Print:2153-1285, ISSN Online:2153-1293.
5. P.S. Gomathi and **B.Kalaavathi**, "Medical Image Fusion Based on Multiscale Transforms" , Journal of Medical Imaging and Health Informatics, 2016, ISSN:2156-7018 (Print), EISSN:2156-7026 (Online), Impact Factor:0.58.
6. Selvi, S and **B.Kalaavathi**, 'AGERL based Enhanced Map Reduce Technique in Cloud Scheduling', SSRG International Journal of Computer Science and Engineering, 2016, vol. 3, no. 10, pp. 60-65.
7. M. Jawahar and Dr.A. Sabari, "Handling of DDoS Attack in Cloud Environment Using Cooperative Distributed Dynamic Load Balancing Algorithm", International Journal of Printing, Packaging & Allied Sciences, Vol. 4, No. 2, December 2016.

List of Faculty members attended Online Courses

S. No	Name of the faculty	Type of Program	Title of the Paper	Organized By	Dates
1.	Ms.L.Priyanga Devi	International Conference	Ethical Hacking and Cyber Cyber Security	NPTEL	September to October 2016

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	ORACLE SQL Fundamental -1	14/7/2016, 15/7/2016	Mr. K.Sri Ram Kumar AP/CSE
2.	Workshop	Ethical Hacking	15/7/2016, 16/7/2016	Mr.Mohamed Asick, C Cube Technologies
3.	Event	Code Debugging & English Wizard	18/7/2016	CSE Faculty Members
4.	Guest Lecture	MySQL (Database Management Systems)	23/7/2016	Ms.S.Sarumathi,, ASP/IT,KSRCT
5.	Guest Lecture	Analog and Digital Communication	28/7/2016	Dr.J.Nithya, ASP/IT,KSRCT
6.	Association Inauguration	VRICSA Seminar on SDLC Models	30/07/2016	Mathan Kumar Govindarajan, Senior Tech. Analyst, HP Services
7.	Guest lecture	Cloud Computing (Web services, AJAX and Mashups)	13/8/2016	Dr.R.Sasikala, Professor/CSE, SCSE,VIT, Vellore
8.	Guest Lecture	Theory of Computation	13/8/2016	Mrs.R.Baby Saraswathi , ASP/CSE, KSRCT
9.	Tamil speech	Muthamizh Saaral	24/8/2016	CSE Faculty Members
10.	Contest	Poster Design	30/8/2016	CSE Faculty Members
11.	Guest Lecture	Recent Trends in Internet of Things	30.09.16 01.10.16	Mr.Abilash, Svaspas Innovations, USA
12.	Guest Lecturer	Teaching and Learning process	05/10/2016	Dr.B.Ilango, Former Vice chancellor Bharathiar University, Coimbatore.
13.	Entrepreneur Seminar	Decide your Destiny	25/10/2016	Dr.Kavidasan, Director Roots Industries India Ltd

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.	S.MANIKANDAN	II / III	Workshop on 2D - Graphics	11.8.16 & 12. 8.16	SNS College of Engineering, Coimbatore
2.	G.KARTHIKEYAN	II / III			
3.	C.MOHANRAJ	II / III			
4.	R.NIRANJAN IMMANVEL	II / III			
5.	PADMA SRIMATHI.T	IV/VII	Hands on Training on Hadoop	17.09.16	Kongunadu College of Engineering and Technology, Trichy
6.	BRINDHA.J	IV/VII			
7.	KAVITHA.S	IV/VII			
8.	KOKILA.R	IV/VII			
9.	PRASANTH.R	II / III	Hands-on Ethical Hacking Workshop	21.11.16	KSR College of Technology, Tiruchengode
10.	GUNABHARATHI.T	II / III			
11.	NISHA.S	II / III			
12.	KIRUBHANANDHA N.P	II / III			
13.	RAMYASRI V S	II / III			
14.	PRIYANKA R	II / III			
15.	POORNIMA M	II / III			
16.	RAKUL M	II / III			
17.	DHARANI R	II / III			
18.	SRI NATHIYA.A	II / III			
19.	SOWMIYA S	II / III			
20.	ANBHUCKARASI P	II / III			
21.	R.NIRANJAN IMMANVEL	II / III	EMC2 Data Science & Big Data Analytics	21.11.16	Dhirajlal Gandhi College of Technology, Salem
22.	PAVITHRA E	II / III			
23.	C.MOHANRAJ	II / III			
24.	G.KARTHIKEYAN	II / III			
25.	R.SUDHARSAN	II / III	workshop	27.09.16	The National Institute of Engineering, Mysuru
26.	ASWIN SANKAR C	III/V			
27.	MADHUBALAN T	III/V			
28.	THIRUMURUGAN S	III/V			

Paper Presentation

S.No	Name of the Student	Year/ Sem	Name of the Program	Date	Name of the Organization
1.	R.KOKILA	IV/VII	GANA WHIZKID 2K16	24.8.16	Gnanamani College of Engineering, Namakkal
2.	KAVITHA.S	IV/VII			
3.	I.MANIMEGALAI	IV/VII			
4.	S.MANIKANDAN	II / III	Paper presentation	8 .9.16	Dr. M.G.R. Educational and Research Institute, Chennai
5.	R.THEEPAK KUMAR	II / III			

Events

S.No	Name of the Student	Year/ Sem	Name of the Program	Date	Name of the Organization
1.	P.PRASANYA	IV/VII	Technical Quiz	24.8 .16	Gnanamani College of Engineering, Namakkal
2.	I.MANIMEGALAI	IV/VII			
3.	R.KOKILA	IV/VII			
4.	KEERTHANA P	III/VI	Quiz	27.10.16	Sri Venkateshwara Institute of Technology, Chennai
5.	JENITHA K	III/VI			
6.	CHITHRADEVI G	III/VI			
7.	SRUTHI.R	IV/VII	Code Debugging	22.12.16 to 23.12.16	Amrita Vishwa Vidyapeetham, Coimbatore
8.	SUMITHRA.P	IV/VII			
9.	VIGNESH.G	IV/VII			

Co-curricular Events Winners

S.No	Name of the student	Year / Semester	Name of the Event	Prizes won
1.	KEERTHANA P	III/VI	Quiz	Second
2.	JENITHA K	III/VI		
3.	CHITHRADEVI G	III/VI		
4.	I.MANIMEGALAI	IV/VII	Technical Quiz	First
5.	P.PRASANYA	IV/VII		
6.	R.KOKILA	IV/VII	Code Debugging	First

