

**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.

**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.

**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.

# NEWS LETTER

Volume 7 | Issue 1

Department of Computer Science and Engineering

**Semester News Letter**

2019-2020 (ODD)

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**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**

Mrs.V.Sowmitha  
Mrs.R.Sathyapriya

**Students Support**

R.S.Vasumitha, IV / CSE  
K.Pooja Shree, III / 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>Dr.M.Vimaladevi,M.E.,Ph.D.</i>	<i>Associate Professor</i>
<i>Mr.M.Jaganathan, M.E.,</i>	<i>Assistant Professor</i>
<i>Dr.P.Vijayalakshmi,M.E.,Ph.D.</i>	<i>Associate Professor</i>
<i>Mrs.R.Deebika, M.E.,</i>	<i>Assistant Professor</i>
<i>Mr.V.Prakasam, 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>
<i>Mrs.R.Sathya Priya, M.E.,</i>	<i>Assistant Professor</i>
<i>Mr. P. Jagadeesan, M.E.,</i>	<i>Assistant Professor</i>
<i>Mrs.V.Sowmitha, M.E.,</i>	<i>Assistant Professor</i>
<i>Mrs.S.Vimala, M.E.,</i>	<i>Assistant Professor</i>

**System Administrator**

*Mr.S.Karthikeyan*

**Supporting Staff**

*Mr.S.Abiviruthi*

*Mrs.T.Udhaya*

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

<b>Name of the faculty</b>	<b>Type of Program</b>	<b>Title of the Program</b>	<b>Organized By</b>	<b>Dates</b>
Dr.B.Kalaavathi	Workshop	Publishing Articles in SCI Indexed Journals and Filing IPR	KSR Institute for Engineering and Technology, Tiruchengode	25-07-2019 & 26-07-2019
		VMware Academic Community Meet - 2019	VMware IT Academy-Coimbatore	05-09-2019
		Instructional and Assessment Characteristics of OBE Framework and Hands on Practices for Designing and	KSR Institute for Engineering and Technology, Tiruchengode	19-11-2019 to 21.11.2019
Mr.R.Venkatesan	Workshop	Deep Learning with Python	Karunya Institute of Technology and Sciences, Coimbatore	26-07-2019 & 27-07-2019
		innoWAH! Q&A workshops for Kovai Clusters	Dr NGP Institute of Technology, Coimbatore	21-08-2019
Dr.M.Vimaladevi	Workshop	Machine Learning for Data Science and Analytics	Velalar College of Engineering and Technology ,Erode	25-07-2019 & 26-07-2019
		Instructional and Assessment Characteristics of OBE Framework and Hands on Practices for Designing and	KSR Institute for Engineering and Technology, Tiruchengode	19-11-2019 to 21.11.2019
Mrs.V.Sowmitha	FDP	Rural Immersion camp	K.S.Rangasamy College of Technology, Tiruchengode	19-08-2019 to 23-08-2019
Mr.V.Prakasham	Workshop	Publishing Articles in SCI Indexed Journals and Filing IPR	KSR Institute for Engineering and Technology, Tiruchengode	25-07-2019 & 26-07-2019
		Instructional and Assessment Characteristics of OBE Framework and Hands on Practices for Designing and Mapping Outcomes		19-11-2019 to 21.11.2019

Mr.M.Jaganathan	Workshop	Instructional and Assessment Characteristics of OBE Framework and Hands on Practices for Designing and Mapping Outcomes	KSR Institute for Engineering and Technology, Tiruchengode	19-11-2019 to 21.11.2019
Mr.R.Gopal	International Journal	Analysis Framework for Initiating Dynamic Behaviors in Friendship Network	Seventh Sense Research Group	-

**About Association**

**VRICSA Inauguration, 12.07.2019**

VRICSA (2019 - 2020) Association of Computer Science and Engineering an Intra department technical Association, was inaugurated by Mr.Makesh Gopalakrishnan, Founder & CEO, Crayon'd Tech Pvt. Ltd., on 12<sup>th</sup> July, 2019 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 Mr.V.Prakashm, Assistant Professor, Department of Computer Science and Engineering. The year plan of association activities was given by Ms .S. Devi Gayathri., Student Secretary, VRICSA.



**12.07.2019 VRICSA inaugurated by Mr. Mr.Makesh Gopalakrishnan**

**About SpringFest'19**

SpringFest'19 offers a platform for the students to meet, exchange ideas and interact with experts to enrich their talent, creativity and prove their intellect. It is sure that the participants will return immensely enriched and more confident. The students of Computer Science and Engineering are organizing events like paper presentation, technical and non-technical events. Technical events like Kodd Corner and Tech puzzle. Non-technical events like Hear & Act, Logo Quiz and Short film. These events could make the students to build upon a perfect and confident entrepreneur and engineer.



**06.09.2019 Paper Presentation**



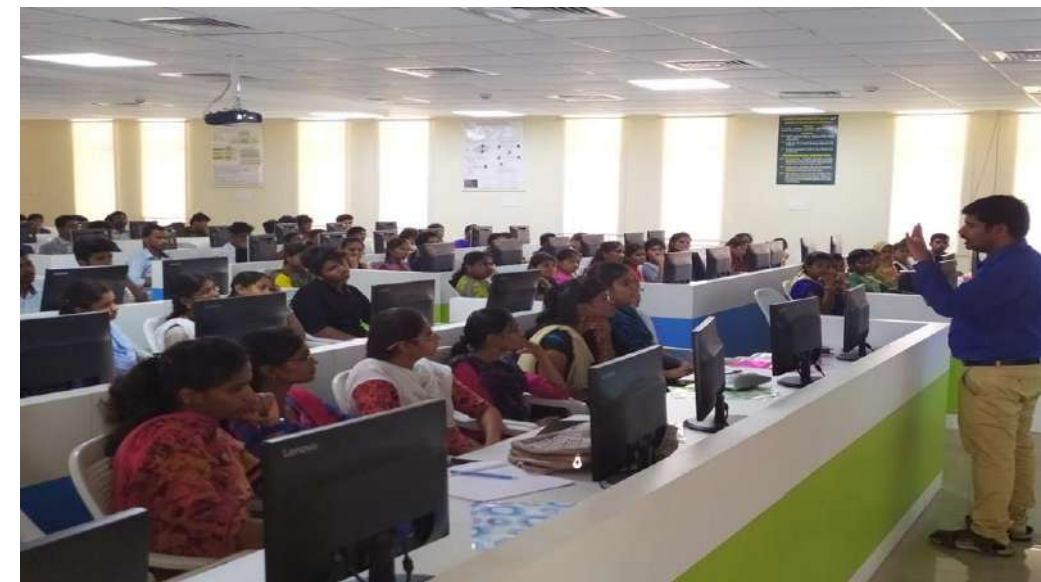
**Logo Quiz**



Hear and Act



Prize distribution for event winners



Workshop in Block chaining

**Students Achievements**

**Academic Toppers: (University Exams Apr/May' 19)**

S.No	Name of the student	Year / Semester	GPA
1.	SRIJA M	I / II	8.00
2.	KOTEESHWARAN P N	II / IV	7.83
3.	B.SWETHA	III / VI	8.18
4.	ELAKKIYA T.E NAVEENA D PAVITHRA E SHARTHAJ BANU D	IV / VIII	8.60

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

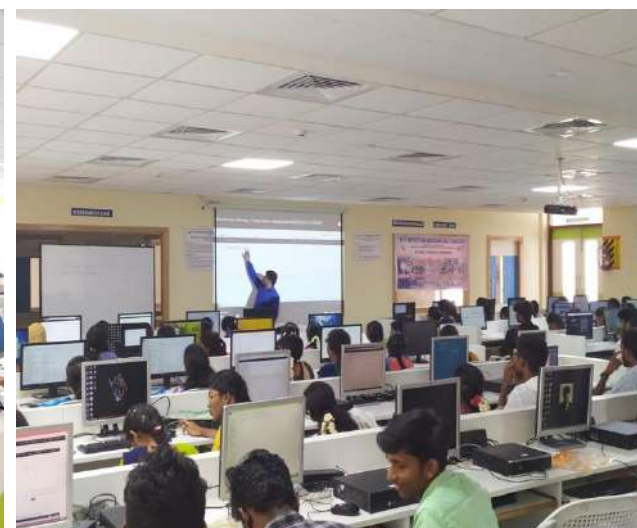
S.No	Name of the student	Year / Semester	CGPA
1.	SRIJA M	I / II	7.83
2.	KOTEESHWARAN P N	II / IV	8.22
3.	SWETHA B	III / VI	8.12
4.	ELAKKIYA T.E	IV / VIII	8.08



Tech puzzle



Code Debugging



**Guest Lecture Organized**

S No	Gap	Action Taken	Date-Month-Year	Resource Person With Designation
1	Hospital Waste Management	Guest Lecture	29.06.2019	Dr.N.Jeyashanthi, ASP/Bio Medical, Vellalar College of Engg and Tech
2	Discrete Mathematics	Guest Lecture	20.07.2019	Mr.P.Senthil Raja, AP/CSE, KSRCT
3	Object Oriented Programming	Guest Lecture	26.07.2019	V.Prakasam, AP/CSE, KSRIET
4	Theory of Computation	Guest Lecture	13.08.2019	Dr.S. Madhavi, Prof/CSE, KSRCT
5	Cryptography and Network Security	Guest Lecture	07.09.2019	Mr.M.Jawahar, AP/CSE, KSRIET
6	Python Programming	Guest Lecture	19.10.2019	Mr. Mr.R.Gopal, , AP/CSE, KSRIET
7	Computer Networks	Guest Lecture	5.11.2019	Mr.P.Sathishkumar,CEO, i18n Solutions, Salem
8	Graph Theory and Applications	Guest Lecture	17.08.2019	R.Jagadeeswari Prof/VIT,Vellore



**Guest lecture for HWM**



**Guest lecture for Computer Networks**

**Value Added courses Organized**

S.No	Date	Course Name	Resource Person	Year / Sem	Total No. of Participants
1	10/06/2019 to 14/06/2019	Data Analytics using Python and R Programming	Mr. M.P. Jagadeesan, AP/CSE, KSRIET	III/V	40
2	10/06/2019 to 12/06/2019	Hardware Trouble Shooting	Mr. S.Karthikeyan System Admin.KSRIET	II/III	30
3	13/06/2019 to 14/06/2019	Introduction to OOPS	Ms. D. Kavinya, AP/CSE, KSRIET	II/III	32



**Oops Programming**



Data Analytics using Python and R Programming

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

**Events**

S. No	Name of the Student(s)	Year/ Sem	Name of the Program	Date	Name of the Organization
1.	A.Santhosh Kumar	III/V	iConic Quiz	12.07.2019	PSG Institutions, Coimbatore
2.	R.Babu				
3.	Sangeetha M	III/V	TEKIBITS19	13.08.2019	Jansons Institute Of Technology, Coimbatore
4.	Vaishnavi				
5.	A.Santhosh Kumar		BARNSTROM Z'2K19	21.08.2019	Hindusthan Institute Of Technology, Coimbatore
6.	A.Santhosh Kumar	III/V	CRYPTERA'19	29.08.2019	Coimbatore Institute Of Technology, Coimbatore
7.	K.Kailash				
8.	P.Hemalatha Devi	II/III	Dhaanishym 2k19- Code Debugging Technical Quiz	05.09.2019	Dhaanish Ahmed Institute Of Technology, Coimbatore
9.	K.Pooja Shree	III/V	EMICA 2K19 Quizzard(Won 2 <sup>nd</sup> prize)	20.09.2019	Tamilnadu College Of Engineering, Coimbatore
10.	S.B.Chowmiya	III/V	EMICA 2K19 Code Debugging	20.09.2019	Tamilnadu College Of Engineering, Coimbatore
11.	K.Pooja Shree	III/V	EMICA 2K19 Code Debugging	20.09.2019	Tamilnadu College Of Engineering, Coimbatore

12.	S.B.Chowmiya	III/V	EMICA 2K19 Quizzard	20.09.2019	Tamilnadu College Of Engineering, Coimbatore
13.	P.Indira Priyadharshini	IV/VII	Tower Building (Won 2 <sup>nd</sup> Prize)	21.09.2019	Firebird Institute of Research in Management, Coimbatore
14.	V.Priyanka				
15.	S.Komathi				
16.	S.Vennmathi				

**Paper Presentation**

S.No	Name of the Student(s)	Year/ Sem	Date	Name of the Organization
1.	A.Santhosh Kumar	III/V	14.08.2019	Jansons Institute Of Technology Dept Of Ece, Coimbatore
2.	K.Kailash			
3.	Sangeetha M			
4.	Gayathri M			
5.	P.Hemalatha Devi	II/III	05.09.2019	Dhaanish Ahmed Institute Of Technology, Coimbatore
6.	K.Pooja Shree	III/V	20.09.2019	Tamilnadu College Of Engineering Dept Of Cse, Coimbatore
7.	S.B.Chowmiya	III/V	20.09.2019	Tamilnadu College Of Engineering Dept Of Cse, Coimbatore

**Workshop**

S.No.	Name of Student(s)	Year/ Sem	Name of the Program	Date	Name of the Organization
1.	A.Santhosh Kumar	III/VI	Workshop on Machine Learning	29.06.2019	IIT Madras Research Park, Chennai
2.	A.Santhosh Kumar	III/VI	Workshop on Ethical Hacking	30.06.2019	IIT Madras Research Park, Chennai
3.	M.Sangeetha	III/V	Workshop on Advancement In Drivetrain	07.09.2019	Government college of technology, Coimbatore
4.	S.B.Chowmiya				
5.	J.P.Valenteena Collins				

## 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.



Anbu Trust, pallipalayam