

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



ABOUT THE DEPARTMENT:

Computer Science and Engineering (CSE) is one of the most sought after courses in engineering these days. With a blend of hardware and software technologies, CSE provides students with the right expertise needed to flourish in the world of computer technology today.

The department of Computer Science & Engineering at CMR College of Engineering & Technology provides students with a healthy combination of research and practice. In an Endeavour to nurture students to cope with the ever changing environment in technology, the department of CSE aims to give a strong foundation in computer science and problem-solving techniques. The programs have been planned to offer a blend of computers, communication technologies and other information retrieving/processing tools so as to provide the student with the requisite know-how for solving real life problems thereby enabling them to enter the world of opportunities with flying colors and capitalize the huge IT market.

VISION

- To evolve as center of academic excellence in computer science & engineering by building strong teaching and research environment





MISSION

- To offer high quality graduate and post graduate programs in computer science education and to prepare students for professional career and/or higher studies globally.
- To promote excellence in research & consultancy in related disciplines.
- To develop self learning abilities and professional ethics to serve the society.

TECH NEWS

Norton Core Router Gives Home Security a New Design



Norton by Symantec announced the Norton Core secure router for smart devices in the connected home at CES in Las Vegas. The router protects up to 20 PCs, Macs, Android and iOS smartphones and tablets on a home network, and unlimited devices connected to the Internet of Things.

It will update its firmware in background mode automatically, but not the firmware on connected devices, said Ameer Karim, general manager of consumer IoT security at Symantec.

The router scans incoming and outgoing network packets across the home network, quarantines infected connected devices to a separate network, and alerts the user.

Microsoft Hardens Latest Windows Version Against Hackers

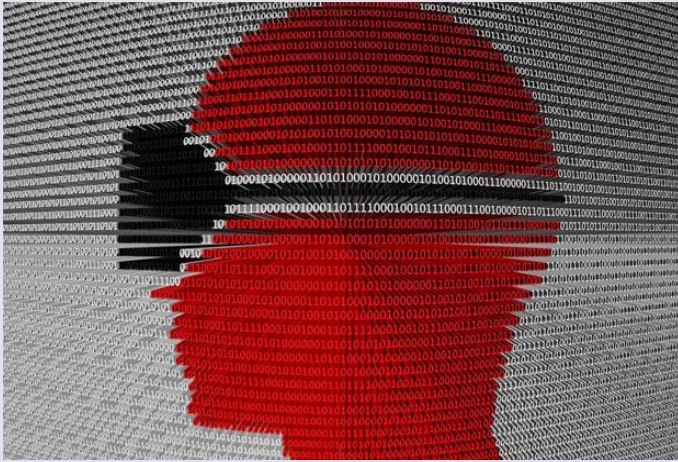
Microsoft has fortified the latest version of Windows to make it more secure than previous editions, but the strongest protections will be available only to those willing to pay a steep price for them.

Windows 10 Anniversary Update has introduced many mitigation techniques in core Windows components and the Microsoft Edge browser, helping protect customers from entire classes of exploits for very recent and even undisclosed vulnerabilities.



Countering unidentified vulnerabilities -- also known as "zero day" vulnerabilities -- is particularly important because they are a powerful tool used to penetrate systems and steal data by attackers, especially those working for nation-states.

Why VR Is Failing



As a market, we seem to have trouble learning that three key elements are necessary for a new technology to take hold: It has to appear complete, it has to be compelling, and it has to seem like a value (be affordable). Compared to what we have today, the car that opened up the automotive market in the U.S. was none of those things -- yet it was incredibly successful.

So, this is about perception, which is why the iPod -- which also was none of those things initially, if compared to the iPhone or iPad of today -- also was incredibly successful. The difference comes down to expectations and marketing, and like quadrophonic sound, 3D and video disks, VR doesn't yet have the right stuff.

WikiLeaks Exposes CIA's Device Surveillance Tricks

WikiLeaks on Thursday announced that it had released more Vault 7 documentation online, including details about several CIA projects to infect Apple's Mac computer firmware and operating system.

The CIA's Embedded Development Branch developed malware that could persist even if the targeted computer were reformatted and its OS were reinstalled, according to data WikiLeaks exposed.

The newly released files shone a spotlight on the CIA's efforts to gain "persistence" in Apple devices, including Mac computers and iPhones, via malware designed to attack their firmware.

The CIA described it as a "mechanism for executing code on peripheral devices while a Mac laptop or desktop is booting," accordingly to WikiLeaks, to allow the attacker to gain access even if a firmware password were enabled.



DEPARTMENTAL EVENTS

FACULTY DEVELOPMENT PROGRAMS ORGANIZED BY DEPARTMENT

S.No	Name of The Event	Date	Resource Person
1	STP on Programming Concepts in Python	4 Weeks 02-01-2017 to 27-02-2017	Dr K Ramakrishna S.Siva Skandha
2	FDP On Teaching Methodologies	11-01-2017-12-01-2017	Dr K Vijaya Kumar Dr K Ramakrishna Dr S Aravind Dr C R Rao

VALUE ADDED COURSE

S.No	Course	Duration	Targeted audience	Vendor
1	Ruby on Rails	01-May-2017 to 16-May-2017	III Year	Techies COE
2	Advanced Java	01-May-2017 to 16-May-2017	III Year	Cloud Technologies
3	Mobile App Development using Android	01-May-2017 to 16-May-2017	III Year	COIGN
4	Android Technology	01-May-2017 to 16-May-2017	II Year	TruGeek
5	Data Analytics Using Python	01-May-2017 to 16-May-2017	II Year	Prof DV Raman Consultants

TRAINING PROGRAMS CONDUCTED TO STUDENTS

S.No	Targeted Audience	Topic	Date and Time	Resource Persons
1	III B.Tech II-Sem (2014-18)	Data structures using C Design Analysis of Algorithms Problem Solving Skills	20-02-2017 to 17-03-2017 04:00 PM to 05:30 PM	Dr K Vijaya Kumar Dr K Ramakrishna Mr L Venkateswalu Mr A Vivekanada Mr Ch Raja Kishore Mr S Gnanendra Mr E Jagadeeshwara Rao Mr K Venakateswara Rao
2	IV- B. Tech. I-Sem (Shortlisted)	ZENSAR Trainingon Soft Skills SQL Java	02-05-2017 to 06-05-2017 08-05-2017 to 13-05-2017 22-05-2017 to 02-06-2017	Zensar Company (MNC)

SEMINARS CONDUCTED FOR STUDENTS

S.No	Name of the Event	Date	Resource Persons	Targeted Audience
1	Awareness on higher education	29/12/2016	Byjuse	II year students
2	Ethical Hacking – Session 1	14.1.17	Karthik III B Amit IV B	Selected II and III year students
3	Ethical Hacking – Session 2	21.1.17		
4	Ethical Hacking – Session 3	28.1.17		
5	.Net Technologies	17-12-2016	Vinnela-FCS Prasanna-Hitachi Susheel-Alliance Global	II Year Students
6	Trending Domains in CSE, business intelligence briefing, how to win in placements race	07-01-2017	KrishnaPriya-Kony Labs Nishanth Bysani-Virtusa Pavan Kumar -Startup Mouna Kalidindi-CSC	III Year Students
7	Java platform work/Utilities project	21-1-2017	Ch.Kiran Kumar-OSI Technologies	III Year Students

FUNDING PROJECTS

S.No	Name of The Funding Scheme	Prize Amount	Month & Year	Applicant
1	Young Scientist Award	35 Lakhs	May,2017	Dr.K.Ramakrsihna
2	DST-CSRI	47 Lakhs	June,2017	Dr V A Narayana Dr K Vijaya Kumar

SOFTWARE DEVELOPMENT

S.No	Name of the Applications	Status
1	Students feedback system	Completed
2	VerBand(College portal for Info Sharing & Access)	Completed
3	Saral Programming Interface(One Place for coding in any programming language)	Completed
4	Institution Quality Assessment System(Portal & Mobile App)	Completed

NSS ACTIVITIES BY DEPARTMENT

S.No	Name of Event/Activity	Date	Targeted Audience
1	NSS CAMP- Airforce Academy	16.1.17	II,III NSS Students
2	Netaji subhash chadra bose jayanthi celebrations	23.1.17	Selected Students From II And III Year

CLUBS ORGANIZED

S.No	Name of the Club
1	Cyber Security
2	Literary Club
3	Ideation Club
4	Coding Club
5	CMR Talkies
6	Music Club
7	Photography Club
8	Tech Geeks
9	Fashion Design
10	Dance Club





STUDENT ACHIEVEMENTS

STUDENT ACHIEVEMENTS

S.No	Name of the Students	Name of the Achivement	Date
1	P.Yogeswar	Being Zero's Hyderabad Best Coder Award	21-03-2017
2	P.Yogeswar & Nishanth (IV Year)	Mission R&D Online Program & Summer Program completed	June-2017
3	Rishab (II-Year)	Startup Company SiliCoin	June-2017
4	Neha Batia (15H51A05A0)	NIIT Certification on JAVA	January-2017

STUDENT PROJECTS UNDER EXTERNAL AGENCIES

S.No	Name of the Agencies	Name of the Project	Name of the Students	Status
1	Indian Air Force	Database Duplicate Erasing	Sruthi Srinivas Varun	Completed
2		Web Portal Design	Vivek Karthik Sameer Subham Singh	Completed

SPORTS ACHIEVEMENTS

S.no	Name of the Student	Achievement	Date
1	E Aditya (15H51A05D3)	Hockey Player -Inter University South zone competition in Karaikudi	January 2017
2	Sai Akshay (15H51A05B9)	Chess Player- Inter University South zone competition held at Coimbatore	October-2017

PLACEMENT SUMMARY

S.No	Company Name	Number of Students
1	IBM	30
2	ICICI PBO	4
3	HITACHI	1

IBM

S.No	Candidate Name	Roll No
1	G. Vinay Reddy	13H51A0521
2	K. Harsha	13H51A0535
3	Manral Priyanka	13H51A0550
4	S. Sushmitha	13H51A0556
5	C. Nikhil	13H51A0567
6	E. Bhavana	13H51A0570
7	G. Sai Charan Reddy	13H51A0573
8	N.P. Mrudula	13H51A0577
9	M.V.L. Priyanka	13H51A0583
10	P. Anusha	13H51A0593
11	V. Shravani	13H51A05B4
12	A.Prashanth Kumar	13H51A05C0
13	A.Sai Prasad	13H51A05C1
14	B. Sai Ram Reddy	13H51A05C7
15	C. Prasanna	13H51A05D3
16	N. Keerthi Sri	13H51A05E4
17	K. Hari Krishna	13H51A05E7
18	M. Akhil Reddy	13H51A05F1
19	M. Swetha	13H51A05F2
20	N. Vishnavi	13H51A05G0
21	S. Dinesh	13H51A05G8
22	T. Anusha	13H51A05H3
23	B. Praveena	13H51A05J5
24	C. Nikhil Kumar	13H51A05J8
25	J. Vinay Teja	13H51A05K4
26	K. Rupa	13H51A05L3
27	M. Jyothsna	13H51A05L7
28	M.K. Mounika	13H51A05M4
29	M. Mahesh Goud	13H51A05M6
30	V. Akhila	13H51A05P2

ICICI PBO

S.No	Candidate Name	Roll No
	K. Raju Yadav	13H51A0530
	G. Tarun	13H51A05B0
	I.Sri Deepthi	13H51A05K3
	G. Manisha	14H55A0503

HITACHI CONSULTING



FACULTY ACHIEVEMENTS



PAPER PUBLICATIONS

S.No	Name Of The Faculty	Title Of The Paper	Journal /Conference
1	Dr K Vijaya Kumar	Word Sense Disambiguation Using Lesk	ICRACSC-2016
2	P.Sruthi	Keyword Query routing search scheme in XML	IJSETR
3	P.Sruthi	An Alteration-Strong Routing Context for Video Transportation in Wireless Multihop Networks	IJRRECS
4	B.Sivaiah	Efficient Location Based Services for Spatio-Textual Top-K Queries and Reverse Keyword Search	IJSETR
5	L Venkateswarlu	A Robust Double Watermarking Technique for Medical Images with Semi-Fragility	ICRAECT-2017
6	CH.Raja Kishore	public reality for dynamic data sharing with multi-user modification	IJRTET
7	P.Madhuri	Integrated Crawling System for Deep-Web Interfaces for Harvesting	IJSET
8	G. Ramakrishna	An Empirical Study to Design a Group Communication Framework for Securing BIG DATA in HADOOP Based Cloud Data Center	IJARCSSE
9	K.Venkateswara Rao	Significant Big Data Interpretation using Map Reduce Paradigm	(IJCA)
10	R.Suhasini	Implementation of Artificial Intelligence for IDS in Cloud Data Centres:	AIJREAS
		Using intrusion detection techniques in Cloud	
11	E Jagadeeswara Rao	A Hybrid Approach for Document Modeling using HLA in information Filtering	IJSETR
12	N Lavanya	Video Transmission over Lossy Wireless Networks: A Cross Layer Perspective	IJRAET
13	N.DEEPTHI	Imminent accession of artifical intelligence based forensic exploratory with data mining analysis	IJCSE
14	V Rama Raju	Multivariate Analysis of MER Signals of Subthalamic-Nuclei (STN) Neurons with Deep Brain Stimulation (MER with STN-DBS) for Quantifying the Efficacy of DBS	IJINS

FACULTY FOREIGN VISITS

S.No	Name of the Faculty	Name of the County Visited	Purpose	Date
1	Dr Venkateswarla Ramaraju	Edinburgh,Scotland,UK	13 th World Congres International Neuro Modulation	27-May-17 to 01-Jun-2017
2	Dr Venkateswarla Ramaraju	Vancouver,Canada	22 nd International Congress PD & MDS	06-June-17 to 11-June-2017

FACULTY ATTENDED FDPS

S.No	Name of The Faculty	Name of The FDP	Organized by	Duration
1	Ch.Raja Kishore	Big Data & Analytics	CMREC	Feb 2017
2	V.Venkataiah	Python Programming		February 2017
3	M.Arya Bhanu	Computational intelligence	PVP Siddhartha	24 th -29 th April 2017
4	S.Siva Skandha	Best Practices in Python Programming and RDBMS	MLRIT	02 - 06 th Jan 2017
5	S.Siva Skandha	Data Analytics with R	VNRVJIET	15 th -20 th May 2017
6	R suhasini	Data Analytics with R	VNRVJIET	15- 20 th May 2017
7	L.Chandra Sekhar Reddy	Tech Mahindra		28 th Feb- 2 nd March 2017
8	L.Chandra Sekhar Reddy	Python and R programming	CVSR College	1 st - 6 th May 2017
9	R.Venkateswara Reddy	Python and R programming	CVSR College	1 st - 6 th May 2017
10	G Ravi Kumar	Python Programmig	CMRCET	February'2017(1 Week)
11	N. Lavanya	Software Engineering and Testing Methodology	NITW	5 th -14 th May 2017
12	P.Lingaraju	Python Programming	CMRCET	01 -13 th May 2017
13	G.Saidulu	Python Programming	CMRCET	01 -13 th May 2017
14	Y.Sushma	Artificial neural networks	CMREC	24 to 28 th April 2017
15	Y.Sushma	Python and R programming	CVSR College	1 st - 6 th May 2017
16	M Aravinda	Artificial neural networks	CMREC	24- 28 th April 2017
17	N.Suvarna	Teaching Methodologies	CMRCET	10 th -12 th Jan 2017
18	N.suvarna	Data Analytics with R	VNRVJIET	15-20 th May 2017
19	B.Archana	Data Analytics with R	VNRVJIET	15-20 th May 2017
20	Snigdha Soni	Fundamentals of Data Structures and C Programming	IIITDM Jabalpur	1 st - 10 th July 2017
22	Snigdha Soni	Android Programming	CMRCET	01 -15 th May 2017
23	B.Anitha	Teaching Concepts	CMRCET	10 -12 th Jan 2017
24	P.Ramesh	Teaching Concepts	CMRCET	10 -12 th Jan 2017
25	Pilli Swetha	Artificial neural networks	CMREC	24- 28 th April 2017
26	Palabindela Swetha	Data Analytics with R	VNRVJIET	15 th - 20 th May 2017
27	B.Tulasidas	Data Analytics with R	VNRVJIET	15 -20 th May 2017
28	E.Raja	Data Analytics with R	VNRVJIET	15 -20 th May 2017
29	Shaikh Karimullah Basha	Data Analytics with R	VNRVJIET	15 -20 th May 2017
30	B.Anuradha	Data Analytics with R	VNRVJIET	15 -20 th May 2017
31	G.SREEVANI	Data Analytics with R	VNRVJIET	15 -20 th May 2017
32	G.SREEVANI	Artificial neural networks	CMREC	24 -28 th April 2017
33	N Deepthi	Artificial neural networks	CMREC	24 -28 th April 2017
34	N.Dayamai	Teaching Concepts	CMRCET	10 - 12 th Jan 2017
35	N.Dayamai	VNRVJIET(Data Analytics with R)		15 - 20 th May 2017
36	B. Ramadevi	Artificial neural networks	CMREC	24 -28 th April 2017

37	K.L.S.Soujanya	OBE	GNITS	19 - 24 th June 2017
38	P.Haritha	Virtualization using vSphere	CMRCET	3 rd -7 th July 2017
39	A.Pavan Kumar	Android Programming	CMRTC	5 - 7 th July 2017
40	M.Sanjeev Kumar	Android Programming	CMRTC	5 - 7 th July 2017
41	R.Krishna Rao	Android Programming	CMRTC	5 - 7 th July 2017
42	I.Hari Priya	ICT Academy Virtualization vSphere	CMRCET	3 rd - 7 th July 2017
43	S.Gnanendra	ICT Academy Virtualization vSphere	CMRCET	3 rd -7 th July 2017
44	M.Suresh	Grid And Cloud Computing	CMRCET	15 th -19 th May2017
45	Y.Sachin Venteean	Grid And Cloud Computing	CMRCET	15 th -19 th May2017
46	Syed Waseem Ahmed	Grid And Cloud Computing	CMRCET	15 th -19 th May2017
47	Suresh	Grid And Cloud Computing	CMRCET	15 th -19 th May2017
48	Balakesava Reddy	Grid And Cloud Computing	CMRCET	15 th -19 th May2017
49	N.Deepthi	Grid And Cloud Computing	CMRCET	15 th -19 th May2017
50	G.Ravi Kumar	Grid And Cloud Computing	CMRCET	15 th -19 th May2017
51	A.Pavan	Grid And Cloud Computing	CMRCET	15 th -19 th May2017
52	N.Deepthi	Publishing Scientific Articles	CMRCET	13 th -17 th March 2017
53	G.Ravikumar	Publishing Scientific Articles	CMRCET	13 th -17 th March 2017
54	A.Pavan	Publishing Scientific Articles	CMRCET	13 th -17 th March 2017
55	P.Sushma	Publishing Scientific Articles	CMRCET	13 th -17 th March 2017
56	Ch.Raj Kishore Babu	Publishing Scientific Articles	CMRCET	13 th -17 th March 2017
57	G.Poojitha	Publishing Scientific Articles	CMRCET	13 th -17 th March 2017
58	B.Anusha	Publishing Scientific Articles	CMRCET	13 th -17 th March 2017
59	S.Gnanendra Reddy	Publishing Scientific Articles	CMRCET	13 th -17 th March 2017
60	B.Shivaiah	Publishing Scientific Articles	CMRCET	13 th -17 th March 2017
61	B.Aravindh	Publishing Scientific Articles	CMRCET	13 th -17 th March 2017
62	B.Archana	Publishing Scientific Articles	CMRCET	13 th -17 th March 2017

FACULTY PROFESSIONAL ACTIVITIES

S.No	Name of the Faculty	Activity	Date	Organization
1	Dr K Vijaya Kumar	Subject Expert	Feb 2017	CMRIT
2	Dr K Vijaya Kumar	Subject Expert	Feb 2017	CMRIT
3	Dr K Vijaya Kumar	Subject Expert	Feb 2017	Anurag Engineering College,Kodad
5	Dr K Vijaya Kumar	Workshop on MATLAB-Keynote Speaker	20 th March-2017 to 21 st March-2017	CMRCET
6	L Venkateswarlu	Workshop on MATLAB-Keynote Speaker	20 th March-2017 to 21 st March-2017	CMRCET
7	L Venkateswarlu	Guest Lecture on "JAVA"	April 2017	BVRIT

CONFERENCES ATTENDED BY FACULTY

S.No	Faculty Name	Attended	Organized by College/University	Date
1	G.RamaKrishna	Communication And Signal Processing	Adhiparasakthi Engineering College	6 - 8 th April 2017



FDP on teaching methodologies



Womans day Celebrations



NSS CAMP- Airforce Academy



OUR TEAM:

Editor:

Dr. K. Vijaya Kumar
Head of the Department

Team Members:

Y. Sushma (Asst. Prof)
M. Vamsi (15H51A0531)
M. Sai Sumanth (15H51A0536)
M. Sai manoj(15H51A0517)

