SCUD ARSENAL

Volume 6
Issue 2

CSE DEPARTMENT NEWS LETTER

SriVasaviEngineeringCollege
Tadepalligudem

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Mentor Graphics is a global company with product development taking place in the USA, Europe, Japan, Pakistan, India and Egypt. In keeping with global trends in software development, the company has a substantial labor force in lower cost locations such as Pakistan, India, Poland, Hungary and Egypt. James "Jim" Ready, one of the more colorful people in embedded systems, left Mentor in 1999 to form the embedded Linux company MontaVista. Neil Henderson, a pioneer in the royalty-free, source provided market space, joined Mentor Graphics in 2002 with the acquisition of Accelerated Technology Inc. Stephen Mellor, a leader in the UML space and co-originator of the Shlaer-Mellor design methodology, joined Mentor Graphics in 2004 following the acquisition of Project Technology

Walden C. Rhines is the company's chairman of the board and chief executive officer. He started as CEO in October 1993. Gregory K. Hinckley serves as the president of the corporation and has been a corporate officer since January 1997.Apollo Computer workstations were chosen as the initial hardware platform. Based in Chelmsford, Apollo was less than a year old and had only announced itself to the public a few weeks prior to when the founders of Mentor Graphics began their initial meetings.After a frenzied development, the IDEA 1000 product was introduced at the 1982 Design Automation Conference, though in a suite and not on the floor.

Revenue:I$1.09 billion USD
Net income:$138.7 million USD (2013)[1]
Total assets:1.745284 billion
Number of employees:5,220
Slogan:EDA technology leader

Y.GAYATHRI(13A81A0560)

PROMELA

PROMELA is a process modeling language whose intended use is to verify the logic of parallel systems. Given a program in PROMELA, Spin can verify the model for correctness by performing random or iterative simulations of the modeled system's execution, or it can generate a C program that performs a fast exhaustive verification of the system state space. During simulations and verifications SPIN checks for the absence of deadlocks, unspecified receptions, and unexecutable code. The verifier can also be used to prove the correctness of system invariants and it can find non-progress execution cycles.

Finally, it supports the verification of linear time temporal constraints; either with Promela never-claims or by directly formulating the constraints in temporal logic. Each model can be verified with Spin under different types of assumptions about the environment. Once the correctness of a model has been established with Spin, that fact can be used in the construction and verification of all subsequent models.

PROMELA programs consist of processes, message channels, and variables. Processes are global objects that represent the concurrent entities of the distributed system. Message channels and variables can be declared either globally or locally within a process. Processes specify behavior, channels and global variables define the environment in which the processes run.The index to an array can be any expression that determines a unique integer value. The effect of an index outside the range is undefined. Multi-dimensional arrays can be defined indirectly with the help of the typedef construct.The proctype definition only declares process behavior, it does not execute it. Initially, in the PROMELA model, just one process will be executed: a process of type init, that must be declared explicitly in every PROMELA specification.

--P BHARATH(14A81A05F9)

LEAP MOTION SENSOR

The Leap Motion controller is a small USB peripheral device which is designed to be placed on a physical desktop, facing upward. Using two monochromatic IR cameras and three infrared LEDs, the device observes a roughly hemispherical area, to a distance of about 1 meter. The LEDs generate pattern-less IR light and the cameras generate almost 300 frames per second of reflected data, which is then sent through a USB cable to the host computer, where it is analyzed by the Leap Motion controller software using "complex maths" in a way that has not been disclosed by the company, in some way synthesizing 3D position data by comparing the 2D frames generated by the two camerasThe smaller observation area and higher resolution of the device differentiates the product from the Kinect, which is more suitable for whole-body tracking in a space the size of a living room.[34] In a demonstration to CNET, The Leap was shown to perform tasks such as navigating a website, using pinch-to-zoom gestures on maps, high-precision drawing, and manipulating complex 3D data visualizations. Leap Motion CEO Michael Buckwald told CNET

---K.V.G.SATISH(14-575)

SHAREit

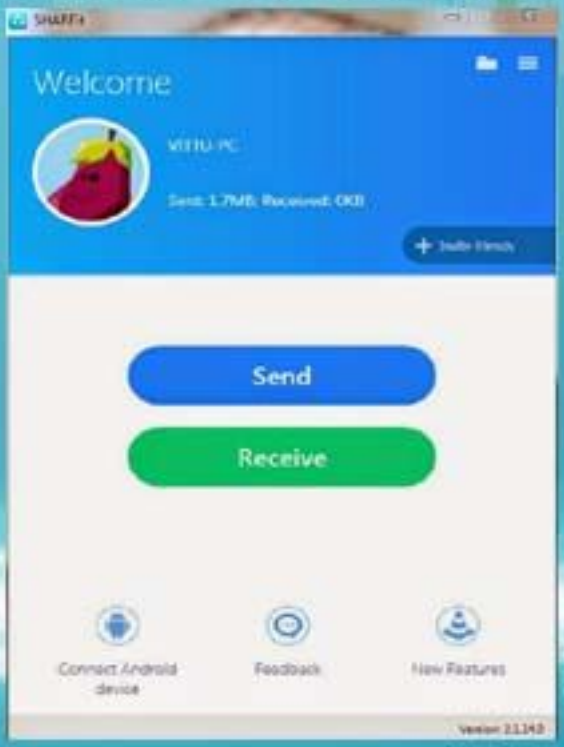
SHAREit is an application to transfer files. Users can use it to transfer files including photos, videos, music, contacts, apps and any other files. It is a free application from Lenovo that allows Windows, Windows Phone, Android, and iOS devices to transfer files directly by ad-hoc Wi-Fi connections.Available in 39 languages including English, French, Spanish, Russian, Arabic and Chinese.It was first launched In China in June 2012 and known as anyshare. In transfer field, SHAREit competes with Xender, Zapya, Share Apps, suprbeam. In addition to transferring files, SHAREit's services also include CONTROL and CLONEit.

Services:

SHAREit is an alternative for wireless content sharing.[3] The app has a function to view photos stored in mobile device on computer. Users can control PPT directly with their phone.

CLONEit

It replicates contacts, SMS messages, MMS messages, music, videos, apps and other data from one old phone to the new one.



–K BALARAM
(14A81A05E2)

Training Programmes Attended by Faculty

Faculty Name	Name of Workshop/ Seminar/ FDP/SDP Attended/ Organized	Location	From Date	To Date
B. Ashok Kumar	4-day Workshop on Teaching Methods and Pedagogy	In-house	17/06/15	20/06/15
T.S.D.Manasa	4-day Workshop on Teaching Methods and Pedagogy	In-house	17/06/15	20/06/15
G .Sriram Ganesh	4-day Workshop on Teaching Methods and Pedagogy	In-house	17/06/15	20/06/15
K. Phani Babu	4-day Workshop on Teaching Methods and Pedagogy	In-house	17/06/15	20/06/15
J.Vijithanand	4-day Workshop on Teaching Methods and Pedagogy	In-house	17/06/15	20/06/15
K.V.Ravi Teja	4-day Workshop on Teaching Methods and Pedagogy	In-house	17/06/15	20/06/15
Ms. E.Shailini	4-day Workshop on Teaching Methods and Pedagogy	In-house	17/06/15	20/06/15

Publications by Students in International Journals

S.No	Reg No. Student Name	Publication Title	Publication Details
1.	13A81D5814 V Nagamani	Secure Scalable Data Sharing in Cloud Storage using Randomized Key Aggregate Crypto System	Global Journal for Research Analysis,Vol 4 Issue -7 July 2015 ISSN No 2277-8160

Publications by Faculty

Journal Publications

S.No	Name of the Faculty	Publication Title	Publication Details
1.	Dr Rakesh Nayak	A new approach on Rabin based Cryptosystem for specifying correct plain text	International Journal of Research in Computer and Communication Technology (IJRCCT), Vol 4, Issue 5 May 2015
2.	Dr Rakesh Nayak	Steganography with BSS-RSA-LSB technique: A new approach to Steganography	International Journal of Science Engineering and Advance Technology (IJSEAT) Vol. 3 Issue 5, May 2015

QEEE sessions &Webinars conducted in department

Topic	Expert Name	Event Conducted Date	Audience	Faculty in charge	Venue
Higher Education With Oracle Campus Drive Team	Manognya Reddy	23rd April 2015 10 -12 noon	2nd and 3rd year girl students	D. Sasirekha	In House
OBE	Ravindra Dastikop	29th April 2015 2:00 to 4:00.30pm	Faculty	Dr. Y.S.S.R murthy	In House

Student Participation in Paper Presentations

S.No.	Name of the Student	Event participated	Venue	Date
1.	G. Sri Manvitha	Entrepreneurship Awareness program	DIET, Vijayawada	June 20 & 21
2.	D.Subba Rao Naidu	Entrepreneurship Awareness program	DIET, Vijayawada	June 20 & 21
3.	Ch. Mahalakshmi Priyanka	Entrepreneurship Awareness program	DIET, Vijayawada	June 20 & 21
4.	Surya Prakash	Entrepreneurship Awareness program	DIET, Vijayawada	June 20 & 21

Student Participation in Workshops

S.No	Student Name	Workshop Details
1.	Polavarapu Satish	Webapp Design Workshop At VIT University,Vellore
2.	Polavarapu Satish	Shortfilm Workshop At Vit University,Vellore
3.	Polavarapu Satish	Studio To Stage Workshop At Vit University,Vellore
4.	Dokku Ramakrishna	Shortfilm Workshop At Vit University,Vellore
5.	Dokku Ramakrishna	Android App Development Workshop At Vit University,Vellore
6.	Kishore Kumar	Android App Development Workshop At Vit University,Vellore
7.	Kamana Kishore Kumar	Webapp Design Workshop At Vit University,Vellore
8.	Kamana Kishore Kumar	Shortfilm Workshop At Vit University,Vellore
9.	Kamana Kishore Kumar	Studio To Stage Workshop At Vit University,Vellore
10.	Dokku Ramakrishna	Studio To Stage Workshop At Vit University,Vellore

11.	Dokku Ramakrishna	Webapp Design Workshop At Vit University,Vellore
12.	G.Sujitha	Android Mobile App Development Workshop Coign
13.	Ch.D.N.Satya Sree	Android Mobile App Development Workshop Coign
14.	R.Bhargavi	Android Mobile App Development Workshop Coign
15.	S.Ramya Priya	Android Mobile App Development Workshop Coign
16.	L.Srikanth	Android Mobile App Development Workshop Coign
17.	S.V.N.S Vasundhara Devi	Android Mobile App Development Workshop Coign
18.	G.V.L Sai Deepthi	Android Mobile App Development Workshop Coign
19.	S.Durga Praveena	Android Mobile App Development Workshop Coign
20.	A.Prasanthi	Android Mobile App Development Workshop Coign
21.	V.K.V.V.S.Ganesh Varma	Android Mobile App Development Workshop Coign
22.	K.Naga Sudha	Android Mobile App Development Workshop Coign
23.	T.S.Naga Sahitya	Android Mobile App Development Workshop Coign
24.	K.Radhika Krishna	Android Mobile App Development Workshop Coign
25.	Paluri Jaya Naga Sri	Android Mobile App Development Workshop Coign
26.	P.S.S.Pratyusha	Android Mobile App Development Workshop Coign
27.	M.Vijaya Lakshmi	Android Mobile App Development Workshop Coign
28.	K.T.D.Ratnamala	Android Mobile App Development Workshop Coign

29.	B.Ramya	Android Mobile App Development Workshop Coign
30.	V.Bhargavi	Android Mobile App Development Workshop Coign
31.	K.N.Krishnaveni	Android Mobile App Development Workshop Coign
32.	V.Amruthavalli	Android Mobile App Development Workshop Coign
33.	Y.Ramya	Android Mobile App Development Workshop Coign
34.	S.I.Vijay Raghavan	Android Mobile App Development Workshop Coign
35.	G.V.Phanindra Reddy	Android Mobile App Development Workshop Coign
36.	P.Amrutha	Android Mobile App Development Workshop Coign
37.	S.S.Srisha	Android Mobile App Development Workshop Coign
38.	K.Supriya	Android Mobile App Development Workshop Coign
39.	Y.Bhavya	Android Mobile App Development Workshop Coign
40.	A.Sai Priyanka	Android Mobile App Development Workshop Coign
41.	M.A.Sandhya	Android Mobile App Development Workshop Coign
42.	B.S.V.Vasudha	Android Mobile App Development Workshop Coign
43.	K.Jayasri	Android Mobile App Development Workshop Coign

Welcome new faculty joining Computer Science

S.No	Name of the Faculty	Designation	Qualification
1.	E. Shailini	Asst. Prof.	B.tech,M.Tech
2.	P.Praneetha	Asst. Prof.	B.tech,M.Tech
3.	A.Radha Krishna	Asst. Prof.	B.tech,M.Tech, MBA,(P.h.D)

GALLERY

FACULTY DEVELOPMENT PROGRAM

Computer Science

CSE DIGITAL INDIA WEEK

Computer Science