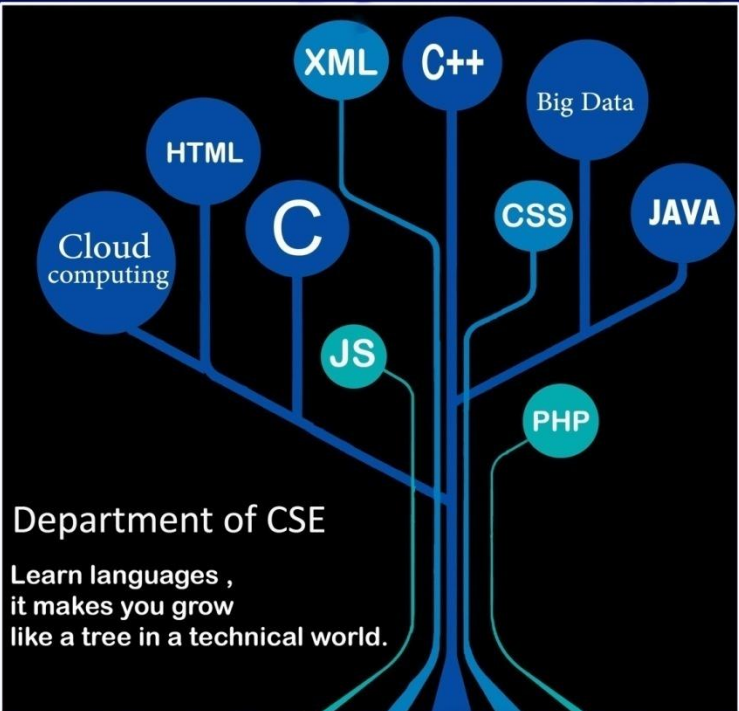


**Volume:1 Issue:2**  
July - December - 2015 A Brief Intro About the dapartment

# Glance

**KKR & KSR Institute of Technology & Sciences**



**Department of CSE**

Learn languages ,  
it makes you grow  
like a tree in a technical world.

**Advisory Committee :**

A.V.Raghava Rao  
C.N.S.Vinoth kumar  
B.Bhavani  
Ch.Jhansi Rani

**Associate Editors :**

G.Dileep Kumar  
Ch.Aruna  
K.Sriraman

**Student Co-ordinators :**

D.Naveen Kumar  
Sai Abhishek Singh

**Editors: Prof. R.Ramesh HOD - CSE , Dr.M.S.S.Sai**

## HOD's Message:

Prof. R. Ramesh, the main backbone of the course is educating the student's knowledge of computer and its engineering as almost all fields are computerized to have ease of handling the problems of designing, manufacturing, maintenance, servicing, researching, marketing and accounting.



**Prof. R.Ramesh**

His only motto is to make students expertise in Computer Engineering Program includes computer operations on different languages, data generation, collection and utilization of information.

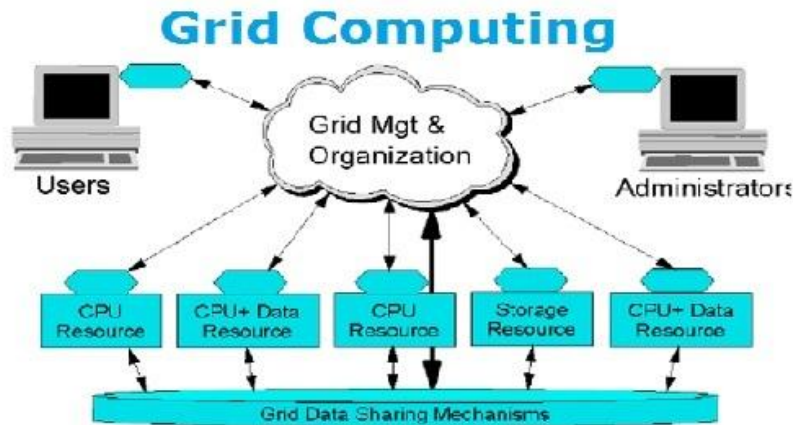
Dr.M.S.S. Sai is from Department of Computer Sc. & Engineering and he opines that this department will excel nationally and distinguish itself as a recognized pre-eminent leader in imparting knowledge to students and establish State of the Art Research centre in its domain.



**Dr.M.S.S.Sai**

His sole mission is to develop students to be competent and professional solution providers, Competent to learn Emerging Technology, yet be Responsible citizens who will create wealth for the nation.

## Article: Grid Computing



Grid computing is the collection of computer resources from multiple locations to reach a common goal. The grid can be thought of as a distributed system with non-interactive workloads that involve a large number of files. Grid computing is distinguished from conventional high performance computing systems such as cluster computing in that grid computers have each node set to perform a different task/application. Grid computers also tend to be more heterogeneous and geographically dispersed (thus not physically coupled) than cluster computers.<sup>[1]</sup> Although a single grid can be dedicated to a particular application, commonly a grid is used for a variety of purposes. Grids are often constructed with general-purpose grid middleware software libraries. Grid sizes can be quite large.<sup>[2]</sup>

Grids are a form of distributed computing whereby a "super virtual computer" is composed of many networked loosely coupled computers acting together to perform large tasks. For certain applications, distributed or grid computing can be seen as a special type of parallel computing that relies on complete computers (with onboard CPUs, storage, power supplies, network interfaces, etc.) connected to a computer network (private or public) by a

conventional network interface, such as Ethernet. This is in contrast to the traditional notion of a supercomputer, which has many processors connected by a local high-speed computer bus.

Grid computing combines computers from multiple administrative domains to reach a common goal,<sup>[3]</sup> to solve a single task, and may then disappear just as quickly.

One of the main strategies of grid computing is to use middleware to divide and apportion pieces of a program among several computers, sometimes up to many thousands. Grid computing involves computation in a distributed fashion, which may also involve the aggregation of large-scale clusters.

The size of a grid may vary from small—confined to a network of computer workstations within a corporation, for example—to large, public collaborations across many companies and networks. "The notion of a confined grid may also be known as an intra-nodes cooperation whilst the notion of a larger, wider grid may thus refer to an inter-nodes cooperation".<sup>[4]</sup>

Grids are a form of distributed computing whereby a "super virtual computer" is composed of many networked loosely coupled computers acting together to perform very large tasks. This technology has been applied to computationally intensive scientific, mathematical, and academic problems through volunteer computing, and it is used in commercial enterprises for such diverse applications as drug discovery, economic forecasting, seismic analysis, and back office data processing in support for e-commerce and Web services.



Coordinating applications on Grids can be a complex task, especially when coordinating the flow of information across distributed computing resources. Grid workflow systems have been developed as a specialized form of a workflow management system designed specifically to compose and execute a series of computational or data manipulation steps, or a workflow, in the Grid context.




A. PAVAN GOPI, 3<sup>rd</sup> year






### Staff Achievements:

- ❖ Mr.A.VeeraRaghavaRao has attended 5 days FDP on “SOFTWARE TESTING” in NITW collaboration with EICT Academy on 20<sup>th</sup> to 24<sup>th</sup> DEC 2015.
- ❖ Mrs.Ch.Jhansi Rani, Mrs.V.Prasanna Lakshmi has attended 2 day workshop on “EVOLUTIONARY COMPUTING” at RVR&JC on 27<sup>th</sup> to 28<sup>th</sup> NOV 2015.
- ❖ Mr.B.Adinarayana Reddy has attended 2 day national level workshop on “NETWORK ANALYSIS USING NS3TOLL FOR DESIGN,TESTING AND IMPLEMENTATION” at MIC COLLEGE OF TECHNOLOGY on 27<sup>th</sup> to 28<sup>th</sup> NOV 2015.
- ❖ Dr M.S.S.Sai and Mr. Dileep Kumar.G has attended 1 day seminar on “University-Industrial Cooperation, Creativity, Diversity and Entrepreneurship in Computer Science” on 10<sup>th</sup> September 2015, in collaboration with Chicago State University and JNTUK, Kakinada, held at V R Siddhartha Engineering College.

### Toppers:

Academic Year:2012-2016 Branch:05 Year Studying: keylist4_1 Sem:3_2 Result				
SNO	REGDNO	NAME	PERCENTAGE	PHOTO ID
1	12JR1A05C4	SAVITHALA V V DURGA BHAVANI	83.8 7	
2	12JR1A05B9	REDDY TEJASWI	80.2 7	

3	12JR1A0586	PENUMUCHU NAGA LAKSHMI KEERTHI	79.8 7	
4	12JR1A0542	CHITLURI RAVI TEJA	79.4 7	
5	12JR1A0529	KATTA SNEHA	79.3 3	

Academic Year:2013-2017 Branch:05 Year Studying:keylist3_1 Sem:2_2 Result				
SNO	REGDNO	NAME	PERCENTAGE	PHOTO ID
1	13JR1A0577	MOUNIKA YADLAPALLI	85.52	
2	13JR1A0597	NUTHALAPATI MOUNIKA	85.38	
3	13JR1A05A5	POLISSETTY KASI ANNAPURNA	84.83	
4	13JR1A0553	KARANAM SUMASREE	83.59	
5	13JR1A0510	BADA RAJYA LAKSHMI	83.31	

### Placements:

- ❖ DIVAMI company on-campus drive held on 30-10-2015 in the campus, 3 members got selected in the company with 3.5 lacks package.
- ❖ GLEN WOOD company on-campus drive held on 14-12-2015 in the campus, 8 members got selected in the company with 1.8 lacks package.

#### **DIVAMI**

S.NO	ROLL NUMBER	NAME OF THE STUDENT
1	14JR1D5803	E.NAVYA SREE (M.TECH)
2	12JR1A05E4	P.BHARGAV
3	12JR1A05A2	M.ANILKUMAR

#### **GLENWOOD SYSTEMS**

S.NO	ROLL NUMBER	NAME OF THE STUDENT
1	12JR1A0511	B.SREE PUSHPA
2	12JR1A0514	D.KUSUMA
3	12JR1A0525	J.SAI PADMA
4	12JR1A05E9	S.VEENA REDDY

#### **GLENWOOD SYSTEMS (TECH.SUPPORT)**

S.NO	ROLL NUMBER	NAME OF THE STUDENT
1	14JR1D5802	B.MONICA GRACE (M.TECH)
2	12JR1A0566	V.LAVANYA
3	12JR1A05A4	MD.ALLA BAKSH
4	12JR1A05G5	Y.VIJAY REDDY



**KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES**

Department of Computer Science & Engineering

Vinjanampadu, Pratipadu Road, Guntur - 522017

Phone : 0863 - 2286666, 77, 88, 99

Fax : 0863 - 2386555