Principal Message:

I am very much pleased with the upcoming idea of releasing newsletter from the Department of Computer Science and Engineering of Kakatiya Institute of Technology & Science, Warangal. This is really a very good effort to keep the students abreast of the new technological trends and directions in the field of Computer Science & Engineering.

- Dr.K.Ashoka Reddy.

Chief Editor Message:

It gives me immense pleasure to announce the release of CSE department newsletter, foCuSE. The unique feature of the news letter is that it is being planned and designed by the student fraternity alone and without whose support this would not have been the reality.

- Prof P.Niranjan Reddy.

Recent Events:

Technoplexus is a national evel symposium conducted by the department of Computer Science and Engineering during the even semester every year. This event is organized with the objective of extracting the hidden talents of budding engineers belonging to various engineering colleges all over India. Under this banner the events like "Paper presentation", "Bug Tracking", "Poster Presentation", "Movie making", "Gaming" and workshops on latest trends in Information Technology are organized.

1. Technoplexus 12 was held on 27th and 28th January 2012. As a part of this event, a workshop on "Android" technology was organized with the support of EI Systems, Mumbai which could bring the awareness among students about Application development using Android Platform.

2. A workshop on "Web Technologies" was organized by Techaves, Bangalore on 01.10.2011.

3. A one day workshop on "System on Chip" was organized with the support of Phoenix Technologies & Services on 30.01.2012.

4. A three day Workshop on Cadence Tool was organized with the support of Cadence India Limited, Bengaluru from 08.08.2011 to 11.08.2011 which could focus on the principles pertaining to analog and digital design using cadence tool. The disseminated knowledge was quite helpful for both the student and faculty fraternities.

Everyone is talking about "the cloud." But what does it mean?

Think of the cloud like an apartment block. You have your own customizable space but it is 'hosted' in a building belonging to the service provider. You don't need to worry about maintenence and repairs as the building manager (service provider) takes care of that. It is more economical to have many living spaces in one building instead of building a full house for each tenant. Technically cloud computing provides access to pools of applications, storage, infrastructure or services that are not hosted by equipment that you own, and that you can increase or decrease your usage of it any time. If you save a file in one place It gets copied to a web server a cloud which copies(synchronizes) it to other computers that you own or register. so the file is accessible in the most up to date version everywhere.

Cloud Computing in Real World:
1.Google Drive
2.Gmail
3.Windows Azure
4.Twitter
5.Facebook Apps

Details of Publications:

1.P.Niranjan Reddy, Dr.C.V.Guru Rao "A Model software reuse repository with an intelligence classifiaction and retrieval technique", International Journal of Computer Science and Engineering.Scientific & Academic Publishing, SAP-108100002, Rosemead, CA, USA, 2011.

2.P.Niranjan Reddy, V.Swathi "A resolved retrieval technique for software components", International Journal of Advanced Research in Computer Engineering & Technology, IJARCET, 2012.

3S.Nagaraju, V.Swathi, V.Chandrasekhar Rao, "A resolved IP trace-back through probabilistic packet marking algorithm", International Journal of Computer Science and Telecommunications, ISSN: 2047-3338, vol: 2 Issue 7, October 2011.

4.M.Venugopal Reddy, M.Kumaraswamy, P.Krishna Reddy, R.Uday Kiran, "Temporality based user Interface design approaches for desktop and small screen environment", International Journal of Computer Science and Engineering (IJCSE), 2011.

5.D.Suresh Babu, A.Ramakoti, K.Srinivas Reddy, "Data Mining in the Factual World: Issues, Challenges and Recommendations", Advances in Computational Sciences and Technology (ACST) Volume 4, Number 3, 2011 , PP.279-290, Print ISSN 0973-6107.

6.D.Suresh Babu, SK.Abdul Nabi, Mohd. Anwar Ali, Y.Raju, "Web Usage Mining: A Research Concept of Web Mining", International Journal of Computer Science and Information Technologies(IJCSIT), Vol. 2 (5) , 2011, 2390-2393, ISSN:0975-9646.

7.S.Narasimha Reddy, "An effective approach to regression test optimization technique", Indian Journal of Computer Science and Engineering, ISSN : 0976-5166, DOI: INDJCSE11-02-05-096, pp: 687-690, IJCSE, India, October-November, 2011.

8.B.RaghuRam, Jayadev Gyani and B Hanmanthu. Article: Fuzzy Associative Classifier for Distributed Mining. IJCA Proceedings on International Conference and workshop on Emerging Trends in Technology (ICWET 2012) icwet(0):1-5, March 2012. Published by Foundation of Computer Science, New York, USA.

Student News:

Performance in Competitive Examinations:

GATE:

15 Students out of 43 who attempted GATE-2012, were qualified and the top rank scored was 758.

GRE:

25 Students who attempted GRE got qualified and the highest scores are as follows:
- i. Old GRE pattern - 1330 / 1600
- ii. New GRE pattern - 311 / 340

TOEFL:

25 Students who attempted TOEFL got qualified with highest score being 105 / 120.

Placement Report:

A total number of 45 students were placed in various companies with a six digit pay per annum.Here are the few statistics of the placements in 2012.

|	
TCS	: 29
POWERWAVE	: 07
ACCENTURE	: 05
CISCO	: 02
ADP	: 01
CGI	: 01

Is internet a human right?

Vint Cerf, known as the father of the Internet has chimed in on the debate over whether Internet access is a human right,emphatically stating that no, it is not. In an op-ed piece in the New York Times, Cerf, a Google executive and prominent computer scientist, said Internet access, unlike freedom of speech and access to information, is not a human right. Cerf's stance on the debate boiled down to this: "Technology is an enabler of rights, not a right itself." Cerf wrote. "For example, at one time if you didn't have a horse it was hard to make a living. But the important right in that case was the right to make a living, not the right to a horse." Moreover, countries such as France and Estonia in recent years have declared Internet access a human right. A June United Nations (UN) report stated that "the Internet has become an indispensable tool for realizing a range of human rights." Cerf said the UN report, while largely regarded as declaring the Internet a human right, actually noted that "the Internet was valuable as a means to an end, not as an end in itself." However, according to a study conducted last year by GlobeScan for the BBC, nearly four in five people around the world do believe that access to the Internet is a fundamental right.
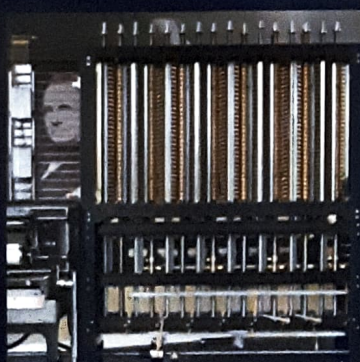
How to Pursue

USA is a great destination for those aspiring to pursue higher education, especially in the field of sciences and engineering.

1. First you need to have a passport, apply for it as soon as possible, for passport you will need

   i. Xerox copies of your study certificates, and ration card or driving license or election id.

If you want to apply for tatkal scheme, you will have to take an additional certificate from MRO recommending you for a passport, it's called annexure F [In tatkal scheme you will get passport in 20 days, In normal scheme 4 months].

2. After that you have to write GRE and TOEFL. Ideal time to write GRE and TOEFL is 2nd semester of your 3rd year. You can book your exam slots at www.ets.org.

   i. GRE: 5 hr exam, maths and English. Maths is average but u have to prepare nicely if you want to score good in English. Buy the book word power made easy by Norman Lewis and practice well.

   ii. TOEFL: 4 sections, reading, listening, writing and speaking. Easy test but try to score as much as possible by getting command over English language. Speak in English during your 3 yrs of college, give paper presentations and participate in extracurricular activities.

3. Then go to a consultancy, prefer a good consultancy which has reputed name in market.

4. Take transcripts [Transcripts means copies of your memos in engineering, you have to go to your university and apply for that] take 6 copies of transcripts of all your memos.

5. Take recommendation letters from 3 of your senior professors, professors who have PhD's.

6. Make a resume and SOP [Statement of Purpose means a one page document describing your interests and why you want to study in US in that particular university].

7. Take bank statements showing that you have 30 lakhs as cash in your account [Your Consultancy will help you here if u can't finance yourself].

8. Then select the universities, www.msinus.com will help you. That has all the information on how to apply, what documents are needed and for selecting universities go to profile evaluation.

M.S in USA

Documents:

Sets for each university-

• Degree Certificate / Provisional Certificate duly attested by Registrar / Controller of Examinations and in sealed covers. The covers should be signed and seal put on the part of the flap and the body of the envelope.

• Year wise / semester wise mark sheets duly attested by the Registrar / Controller of Examinations of the University in Sealed Covers.

• A Copy of 10+2 Mark Sheet.

• A Copy of 10th Mark Sheet.

• 3 Recommendation Letters which should be dated, stamped and signed and containing Recommender details – Name, Qualification, Designation, Address, Phone Number, Email ID in sealed covers and stamped across the flap.

• TOEFL and GRE / GMAT / SAT Score Sheet.

• Additional Certificates, if any.

• Bank Balance Confirmation Certificate with Balance quoted in INR and also USD equivalent with Exchange Rate adopted with Original Seal and Signature.

• Notarized Affidavit of Support.

• Statement of Purpose.

• Resume / CV.

• Copy of 1st and Last Page of the Passport.

• 5 Passport size Photographs.

9. After that apply for Universities. You have to send your GRE and TOEFL scores electronically through ETS website.

10. You wil get admits, from Universities within 3 months. An admission letter is called an i-20.

11. After that choose the best admit and apply for visa. Pay Sevis fee to the university that you are joining[200 dollars]. This should get end by the end of your 1st semester of 4th year.

12. Book a date for your visa interview. Take your certificates, passport, i-20's and bank balance statements [This time you have to show Twenty Five Lakhs in your account, it should be genuine].

13. Book flight after you get a visa.
NOTE: If you plan on taking a loan then do it after you get the admission letters.

Source: www.msinus.com

Worlds Fastest SUPERCOMPUTER

Fujitsu's 10.51 petaflop K supercomputer is pretty fast, but does it pack enough computational oomph to stave off underground nuclear testing? Probably -- but the NNSA's new sixteen petaflop rig does it better. According to the National Nuclear Security Administration, a supercomputer at Lawrence Livermore National Laboratory, dubbed Sequoia, is now the fastest supercomputer on the planet, clocking in at 16.32 sustained petaflops. "Sequoia will provide a more complete understanding of weapons performance, notably hydrodynamics and properties of materials at extreme pressure sand temperatures," says NNSA Director of Advanced Simulation and Computing Bob Meisner, explaining that supercomputer simulations will "support the effort to extend the life of aging weapons systems." Translation? Sequoia will help the NNSA keep the US' nuclear stockpile stable without resorting to nuclear testing, or put simply, more computational power, fewer explosions. We can't think of a better thing to do with 98,304 compute nodes, 1.6 million cores and 1.6 petabytes of memory spread across 96 racks -- can you?

Hello World Program in Various Languages

Action Script:

```
trace('hello world');
```

ALGOL 60:

```
BEGIN
  FILE
F(KIND=REMOTE);
  EBCDIC ARRAY
E[0:11];
  REPLACE E BY
"HELLO WORLD!";
  WHILE TRUE DO
    BEGIN
      WRITE(F,*,E);
    END;
END.
```

B Language:

```
main( ) {
        putchar('hell');
        putchar('o, w');
        putchar('orld');
        putchar('*n' );
}
```

Basic Language:

```
10 PRINT "HELLO
WORLD"
```

Fortran Language:

```
 PROGRAM
HELLOWORLD
 10 FORMAT
(1X,11HHELLO
WORLD)
 WRITE(6,10)
 END
```

Haskell Language:

```
 main = do putStrLn
"Hello, world."
```

Perl Language:

```
 print "Hello World\n"
```

PHP lauguauge:

```
<?php echo "Hello
World"; ?>
```

Student Activities:

Internships:

1. Md.Haseeb Furkhan of final year has done his internship as a Web Developer at Social Minds Media Pvt. Ltd, A unit of Demyg Innovative Tradex Pvt. Ltd, Hyderabad from 1st February 2012 to 1st may 2012.

2. A.Anusha of final year has done her internship as Writer at coolage.com, an innitiative of AOL Online India Pvt. Ltd, from 1st December 2012 to 1st march 2012.

3. J.Somesh of final year has done his internship as a Software Developer at Indian Institute of Science, Bangalore from 13th June 2012 to 13th July 2012.

CSE Association Activities:

CSE Association is an hour where all the students from CSE department meet to share their views and ideas.This is a great platform to collaborate all the students and to enrich the Team Work Quality in them.From july 2012 various events have been conducted in Association hour under the guidance of Faculty Co-Ordinators - C.Srinivas, B.Srinivas and I.Sai Ram Krishna.
The events held till now are listed below:

1. Workshop on Web Designing where concepts of Basic HTML and HTML 5 were throughly discussed.

2. A Technical Quiz arranged for all the CSE students.

3. A guest lecture was held on CLOUD COMPUTING by K.Giridhar, Technical Head from Accenture through which students became familiar with New Technologies in Cloud Computing.

Awards and Rewards:

1. KPELEVEN, a cricket team consisting of CSE Students won the Jagadish Meriorial Trophy held at KITS, Warangal.

2. A.Loknath, P.Bhuvan, K.Lavan, K.Pradeep and Kranthi as a team won GOLD medal in Chess Competitions held at KITS, Warangal.

3. Y.Tharun and Ch.Sravanthi won a SILVER medal in Mixed Doubles Badminton Competitions held at KITS, Warangal.

4.P.Shasheen Reddy won Silver medal in Tennis Mens Singles Held at KITS, Warangal.

5.P.Shasheen Reddy and Pranoy Rai won Silver Medal in Tennis Mens Doubles Held at KITS, Warangal.

6.Ch.Sravanthi represented Kakatiya Univeresity for Badminton at South Zone, held at VIT Universtiy, Chennai.

7.Ch.Sravanthi Won 5 GOLD medals in Badminton doubles, Badminton singles, Carrom sinlges, Carrom doubles and Throwball at KITS, Warangal.

8.M.Anusha won GOLD medals in 400m Running and Javelin Throw at KITS, Warangal.

9.G.Alekhya won GOLD medals in Carrom Doubles and Badminton Doubles at KITS, Warangal.

Final year Students of Computer Science Department, KITS warangal with Ponnala Lakshmaiah, Minister of IT at Advantage AP 2nd Annual IT Summit-2012 at Hyderbad.

Department Activities:

1. Faculty members of CSE Department, Md.Shafruddin Waseem and I.Sai Rama Krishna, developed an application which automatically generates students' attendance and performance reports.

2. Introduced College Management System in Kakatiya Institute of Technology & Science, Warangal for the very first time.

General Knowledge:

Microsoft Windows

family tree
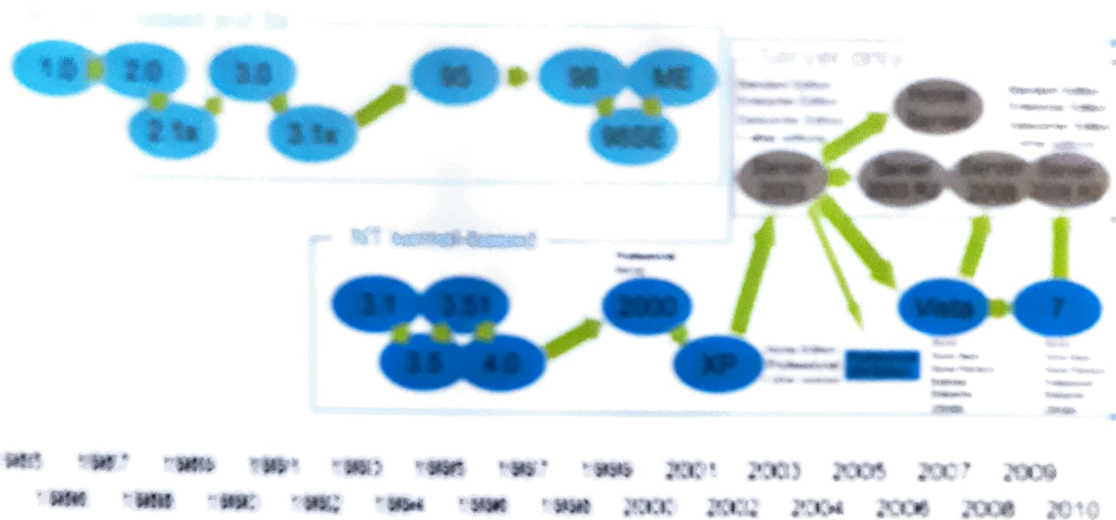
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Opp. Yerragattu Hillock, Vill. Bheemaram, Mandal Hasanparthy, Warangal - 506 015. A.P.

Phone: 0870-2564888 Fax: 0870-2564320