

RajaRajeswari College of Engineering

Kumbalgodu, Mysore road, Bangalore-560074

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NEWSLETTER

TECHNISHAD



PRINCIPAL'S MESSAGE

I am proud that the department of computer science & engineering has taken an initiative to bring the Department Newsletter with the name "TECHNISHAD" volume-1 Issue-1. I congratulate the HOD, faculty members & students for their efforts in bringing this Newsletter, a mirror of the students enthusiasm and achievements.

KUDOS! Keep this spirit continuing for the years to come.

Dr. Bhagyashekar M S

FROM HOD'S DESK

It's my privilege to welcome you all to the Dept. of Computer Science & Engineering at RajaRajeswari College of Engineering, Bangalore. The department seeks to combine excellence in education and research with survive to the industry. Our mission is to create high quality professionals in Computer Science & Engineering and to foster leading edge research and to equip students to succeed and contribute to industry and society. Our department has Excellent Infrastructure, coupled with best faculty to motivate and improve the quality of students.

The department regularly takes various initiatives like Personality Development courses, Soft skill courses and Employment oriented technical and management courses for providing our students a clear and decisive edge in employability through modular programs based on industry tracking and feedback.

Dr. Pradeep B S

EDITOR'S NOTE

I am honored to introduce the first annual newsletter of department of CSE "TECHNISHAD", volume-1 Issue-1 for the year 2011-12, the main goal of which is to provide our partners with a concise yet comprehensive picture of all the activities generated by the department and the students.

I would like to take this opportunity to thank everyone who contributed to the first edition of this newsletter. Please feel free to bring any comments, suggestions or new stories to my attention for future editions.

Dr. Pradeep B S, Mr. Sreenivasa B R

INSIDE THIS ISSUE

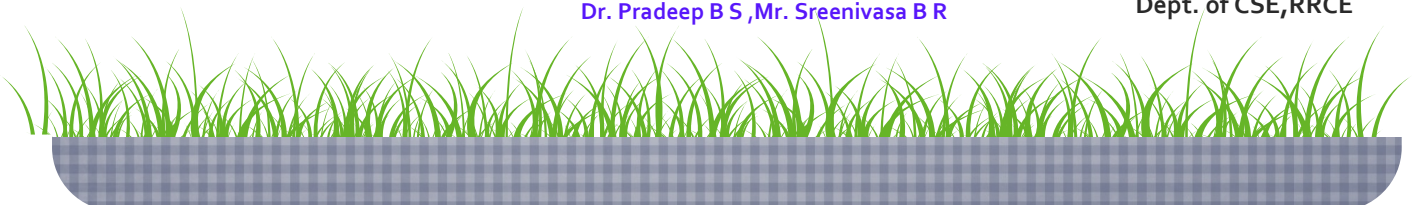
DEPT. ACTIVITIES.....	2
STUDENT ACTIVITIES.....	3
FOCUS.....	7
ALUMNI HOME.....	8

WHATS INTERESTING

PAGE 5.	SKETCHES AND POEMS
PAGE 6.	PUZZLES

EDITORIAL BOARD

1. **Dr. Pradeep B S**
Professor & Head
Dept. of CSE, RRCE.
2. **Mr. Sreenivasa B R**
Assistant Professor,
Dept. of CSE, RRCE
3. **Ms. Soumya R**
8th Sem,
Dept. of CSE, RRCE

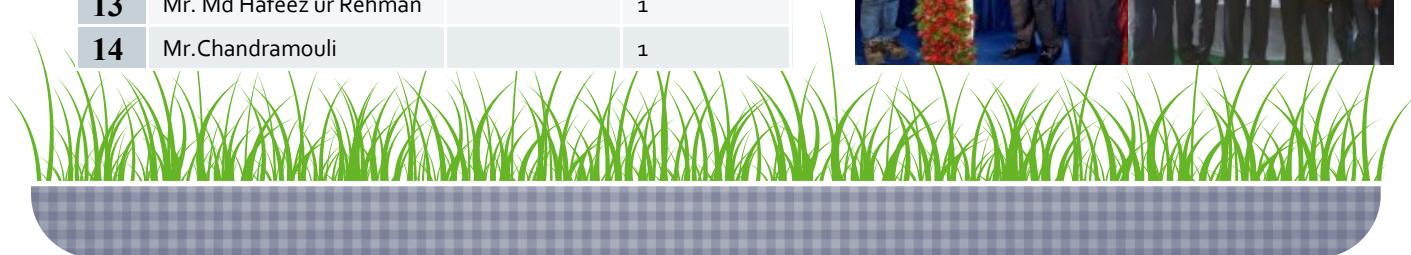


DEPARTMENTAL ACTIVITIES

- Department organized the first National Conference on "Frontiers of Computer Science & Technology" (FCST'12), CSE Dept. RRCE, B'lore. 14-15, Feb 2012
- Dr.Pradeep B.S. attended workshop on OOAD using UML - conducted by IBM held at MCA Dept. RRCE, Bangalore on 2-5th Aug 2011
- Dr.Pradeep B.S. attended as Session Chair for International conference on Cloud Computing and Service Engineering RRCE, Bangalore on 11th- 13th April, 2012.
- Mr. Rajesh. K.S , "Corrective Information based Registration" International Journal of Computer Science and Information Technology & Security (IJCSITS), ISSN: 2249-9555. Vol:2,Pages:40-46 , January 2012
- Dr.Pradeep B.S. , "Challenging Issues & Limitations of Mobile Computing "Int. J. Computer Technology & Application Volume: 03, Issue: 01, Pages: 177-181, ISSN: 2229-6093 ,January 2012
- Dr.Pradeep B.S. , "Reduction of Congestion during Dynamic channel allocation for user demanded packet optimality " Int. J. Advanced Scientific and Technical Research, Volume: 02, Issue: 01, Pages: 211-221, Oxford University, UK. December 2011
- Mr. Rajesh. K.S , "Security Performance Issues on ASRP in MANETS" International Journal of Engineering Research, Volume:05, Pages:113-132 , December 2011

FACULTY PUBLICATIONS

Sl. No	Name Of the Faculty Member	Journals Publication	Conference Publication
		National & International	National & International
1	Dr. Pradeep B S	6	10
2	Mr. Rajesh K S	3	7
3	Mr. Srinivasa R		4
4	Mr. T Auntin Jose		2
5	Ms. Neelu L		3
6	Mr. Sreenivasa B R		8
7	Mr. Shashidhar V		3
9	Mrs. Bhagyalakshmi D N		-
10	Ms. Poonam Kumari		2
11	Mr. Gireesh H R		4
12	Mr. Aruna Kumar B		2
13	Mr. Md Hafeez ur Rehman		1
14	Mr.Chandramouli		1



STUDENT ACTIVITIES

- Deepak kumar singh, Hemanth S.A attended conference on "Bangalore cyber security" summit 3rd edition, 3rd & 4th May 2012.
- Hemanth S.A participated Code Wars technical fest Elysia'12 at SJBIT, Bangalore during 29th March 2012.
- Deepak kumar singh, Hemanth S.A attended TCS Tech BYTE Quiz at SJCE, Mysore during April 2012.
- Hemanth S.A participated in the Inter Collegiate Climate Science Quiz 2011 organized by Divecha centre for climate change, centre for atmospheric & oceanic sciences, Indian institute of science, Bangalore on 26th August 2011.
- Rajesh B.L Workshop organized by WAYE (world alliance for youth empowerment) in association with Art of living organization called YES!+ .

STUDENT PUBLICATIONS

- Nayana kumari K.T, Soumya R, Rashmi P, Mamatha S presented paper on "**A survey: Security in adhoc network**", National Conference on Emerging trends in information technology at DBIT, Bangalore during 3rd – 5th May 2012 under the guidance of Sreenivasa B.R.
- Deepak Kumar Singh and attended Conference on "Bangalore cyber security summit 3rd edition " organized by Bangalore cyber security 3rd & 4th May 2012 .
- Hemanth S.A attended Conference on "Bangalore cyber security summit 3rd edition " organized by Bangalore cyber security 3rd & 4th May 2012 .



"Science is the reduction of the bewildering diversity of unique events to manageable uniformity within one of a number of symbol systems, and technology is the art of using these symbol systems so as to control and organize unique events. Scientific observation is always a viewing of things through the refracting medium of a symbol system, and technological praxis is always handling of things in ways that some symbol system has dictated. Education in science and technology is essentially education on the symbol level"

HIGHLIGHTS OF ECONOMIC SURVEY 2011-12

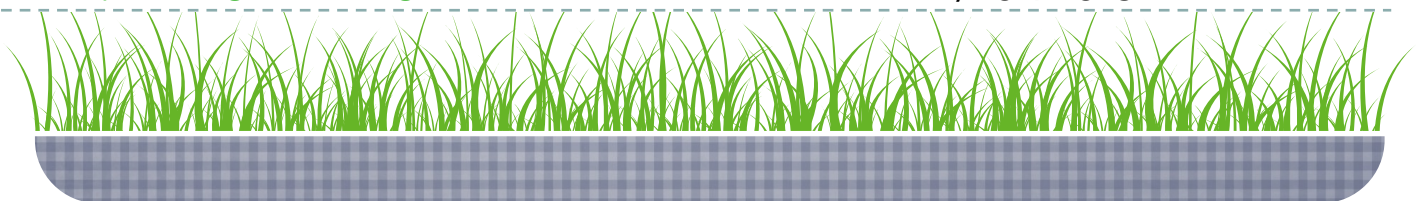
- Agriculture and Services sectors continue to perform well. 2.5 % growth in Agro sector forecast. Services sector grows by 9.4 %, its share in GDP goes up to 59%.
- Industrial growth pegged at 4-5 percent, expected to improve as economic recovery resumes.
- WPI food inflation dropped from 20.2% in February 2010 to 1.6% in January 2012; calibrated steps initiated to rein-in inflation on top priority.
- India remains among the fastest growing economies of the world. Country's sovereign credit rating rose by a substantial 2.98 percent in 2007-12.
- Exports grew @ 40.5% in the first half of this fiscal and imports grew by 30.4%. Foreign trade performance to remain a key driver of growth. Forex reserves enhanced - covering nearly the entire external debt stock.
- Central spending on social services goes up to 18.5% this fiscal from 13.4% in 2006-07.
- Give a gift to empower youth with our following programs:
 - Youth leadership training
 - Character Education
 - Train-the-trainer
 - Build Schools
 - Service for peace projects
 - Advance United Nations Millennium Development goals

STAFF ACTIVITIES

- Poonam Kumari attended 3 day workshop on "Formal Languages and Automata theory", VKIT, B'lore ,22nd – 24th Aug 2012
- Auntin Jose attended 1 day workshop on "J-Gate training programme" PESIT, B'lore 5th June, 2012 .
- Mohd. Hafeez Rehman attended workshop on "Tablet programming on Android platform" Cambridge Institute of Technology, B'lore ,30th-31st Mar 2012 .
- Srinivasa. R attended workshop on "R Mission 10X Conclave 2011", Dayanand College of Engineering, B'lore ,19th Aug 2011.
- Dr. Pradeep B.S.attended IEEE Int. National Conference on Electronics Computer Technology-ICECT Kanya kumari, T.N, India April 6-8, 2012.
- Rajesh. K.S and Shashidhar V presented paper in Int. national Conference on Data Engineering & Communication System, ICDECS ,RNSIT, Bangalore ,Dec 30-31, 2011.
- Sreenivasa BR Rajesh. K.S, Gireesh H.R, presented paper in National Conference on ETITM-2011 EWIT, Bangalore 3-4 Nov 2011.
- SreenivasaB.R ,Neelu. L, Srinivasa R ,presented paper in National Conference on Communication & Computing NACC- 2011 AIT, Bangalore



"Let us think of education as the means of developing our greatest abilities, because in each of us there is a private hope and dream which, fulfilled, can be translated into benefit for everyone and greater strength for our nation" —John F. Kennedy(1917-1963)



STUDENT CORNER

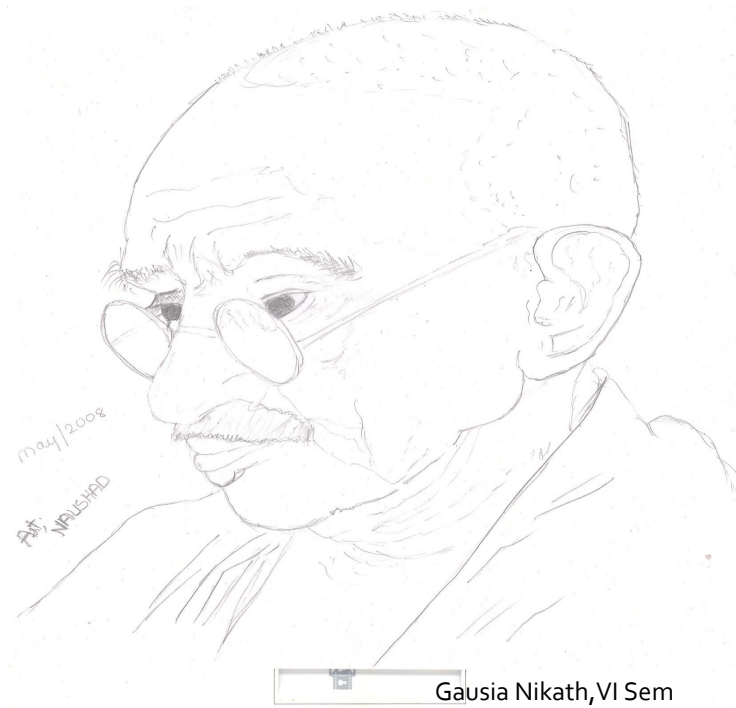


Gausia Nikath, VI Sem

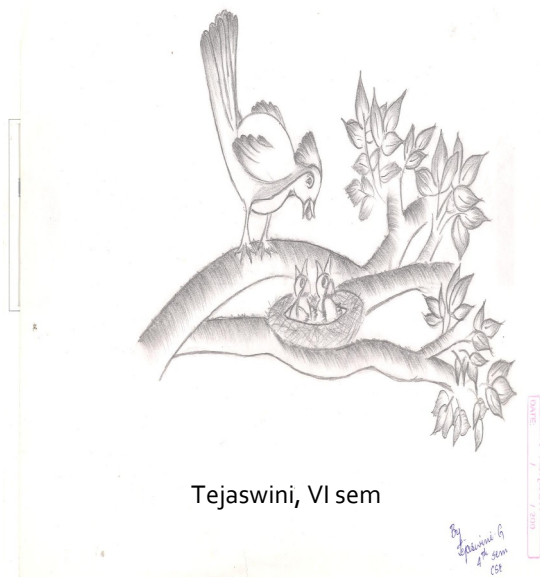
Article

Engineering is quite different from science. Scientists try to understand nature. Engineers try to make things that do not exist in nature. Engineers stress invention. To embody an invention the engineer must put his idea in concrete terms, and design something that people can use. That something can be a device, a gadget, a material, a method, a computing program, an innovative experiment, a new solution to a problem, or an improvement on what is existing. Since a design has to be concrete, it must have its geometry, dimensions, and characteristic numbers. Almost all engineers working on new designs find that they do not have all the needed information. Most often, they are limited by insufficient scientific knowledge. Thus they study mathematics, physics, chemistry, biology and mechanics. Often they have to add to the sciences relevant to their profession. Thus engineering sciences are born.

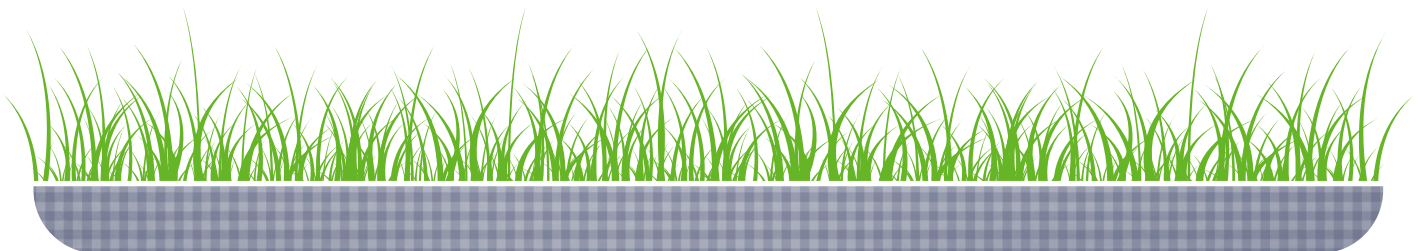
Sowmya, 8th sem



Gausia Nikath, VI Sem



Tejaswini, VI sem



PUZZLES

1) There are 27 coins and a two-pan balance. All coins have same weight except for one, which is heavier than all others. All coins look identical. What is the minimum number of weighings required to certainly find out heavier coin?

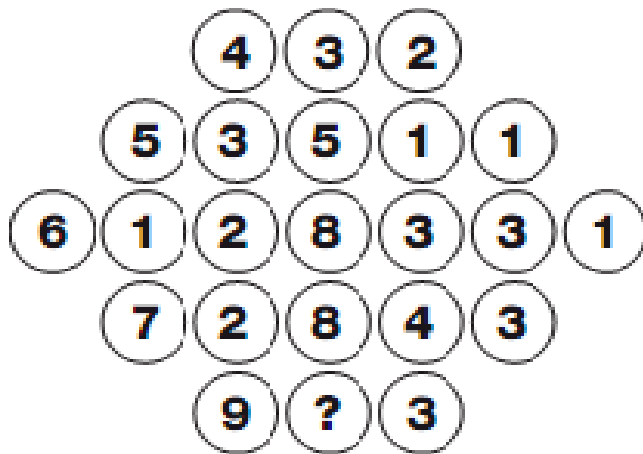
2) There are two sticks which take one hour to burn from one end to other. The sticks do not burn at a constant rate i.e. some part may burn faster than others. You need to measure 45 minutes by using these two sticks and a lighter.

3) Two persons are walking into a railway tunnel. Upon crossing $\frac{2}{3}$ rd of the tunnel, they saw train is coming from opposite direction. Each person ran for a different end of tunnel with speed of 10 km per hour. Fortunately, both persons escaped from the tunnel just right time i.e. at the time train would have run

4) There are three switches outside of a closed room to operate three different light bulbs inside the room. You can only go into the room once and you need to determine which switch belongs to which bulb. Just to make it clear, room is perfectly locked and it's not possible to determine whether lights are on from outside the room.

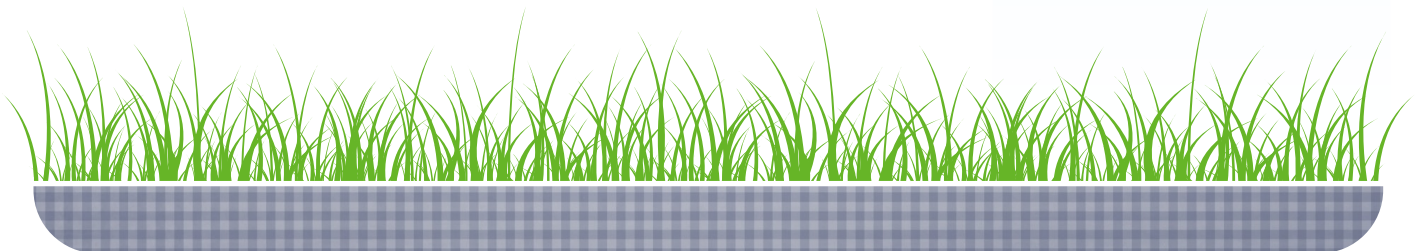
5) You have 10 Jars filled with marbles. Each marble weighs 10 gm, except one Jar which contains defective marbles which weigh 9 gm. Given a scale to weigh, How do you find Jar with defective marbles in just one measurement. Here scale is modern day electronic scale to measure weight.

6) What number comes inside the circle?

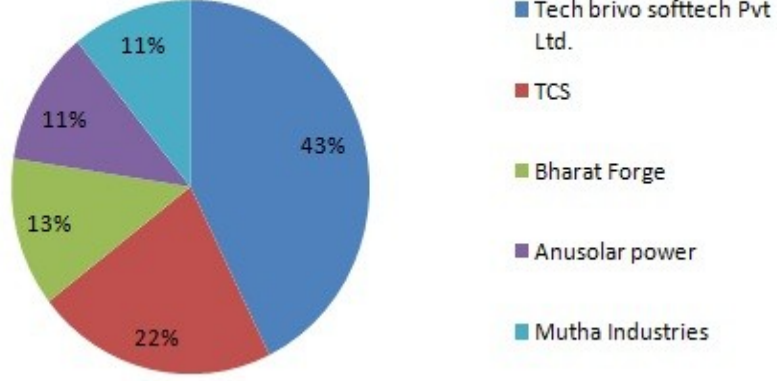


Facebook Facts and Figures

- Monthly active users were 1.06 billion as of December 31, 2012, (an increase of 25% from last year)
- Daily active users were 618 million on average for December 2012, (an increase of 28% since 2011)
- Mobile monthly active users were 680 million as of December 31, 2012, (increase of 57% year-over-year)
- Mobile daily active users exceeded web users for the first time in the fourth quarter of 2012
- Mobile revenue represented approximately 23% of advertising revenue for the fourth quarter of 2012, up from approximately 14% of advertising revenue in the third quarter of 2012. Revenue for the fourth quarter totaled \$1.585 billion, an increase of 40%, compared with \$1.13 billion in the fourth quarter of 2011.
- Revenue from advertising was \$1.33 billion, representing 84% of total revenue and a 41% increase from the same quarter last year.
- Payments and other fees revenue for the fourth quarter was \$256 million. The music trivia game *SongPop* was the crowd favorite during 2012 (thankfully not Farmville), with social mobile games Dragon City and Bike Race coming in at second and third.



Top 5 job offers in 2011-12



ಆರದಪುಟ್ಟ ಪ್ರೀತಿಯಾ ದೀಪ್.

ಕತ್ತಲಲ್ಲಿ ಕಳೆದು ಹೋದ ಬೆಳಕನು ಎಂದು ಹುಡುಕಬೇಡ

ಹೊಳೆಯುವ ಬೆಳಕಿನ ಕಿರಣ ನೀನು ಎಂದು ಕತ್ತಲಾಗಬೇಡ

ಕಳೆದ ಕಹಿನೆನಪುಗಳ ಎಂದೂ ನೆನೆಯದೆ

ಹೊಸ ಬೆಳಕಿನಡೆಗೆ ಸಾಗಲಿ ಪಯಣ ಸವಿ ಕನಸುಗಳ ಜೊತೆ.

RAGHURAM JOSHI, VI Sem

ದೀಪದ ಸುತ್ತ ಕೈ ಹಿಡಿಯುವೆ... ದೀಪವೆ ಸುಟ್ಟರೆ ನ್ಯಾಯವೇ...

ಇದು ಚಳಿಯು.. ಬೀಸಿ ಬರುವಾ ಗಾಳಿಯು..

ಉರಿಯಲೇ ಬೇಕು ಎನ್ನ ಪ್ರೀತಿಯ ದೀಪವು.. ನಾ ಹಚ್ಚಿದಾ ದೀಪವು..

ಇತ್ತರೆ ಚಳಿಗೆ ಬೆಚ್ಚನೆಯ ತಾಖಿ ಇಲ್ಲದಿರೆ ಕೈ ಸುಟ್ಟ ಗಾಯ..

ಕೈ ಸರಿದರೆ ಪ್ರೀತಿಯಾ ದೀಪ ಅರಿ, ಎನ್ನ ಜಗವು ಕತ್ತಲಾದೀತೆಂಬ ಭಯವು
ಸದಾ..

ಸುಟ್ಟರೂ ಅದು ಎನ್ನ ಪ್ರೀತಿಯ, ಪುಟ್ಟ ಬೆಳಕು ತಂದ ದೀಪವು.. ಅರಲು
ಬಿಡುವೆನೇ ನಾ..

ಸುಟ್ಟರೂ ಆ ನೋವು ಎನಗಿರಲಿ.. ಬೆಳಕು ನಿರಂತರ ಉರಿಯಲಿ...

ರಘುರಾಮ್ ಜೋಶಿ-----



Alumni's Corner

FACTS AND FIGURES

- Sanskrit is considered as the mother of all higher languages. It is the most precise and therefore suitable language for computer software. (A report in Forbes magazine, July 1987).
- India is the 3rd largest producer of solar photovoltaic cells in the world producing 2.12 MW of power. India is the world's 4th largest wind power user.
- Indians spent whopping 807,200,000 minutes on the ESPN during 2011 ICC world cup which adds upto 150 years .
- IEEE has proved what has been a century old suspicion in the world scientific community that the pioneer of wireless communication was Prof. Jagadish Bose and not Marconi.

INDIANS ABROAD

- 38% of Doctors in America are Indians.
- 12% of Scientists in America are Indians.
- 36% of NASA employees are Indians.
- 34% of Microsoft employees are Indians.
- 28% of IBM employees are Indians
- 17% of Intel employees are Indians.
- 13% of Xerox employees are Indians.



It's a great place for everything. The faculty seem very interested to teach don't care and very encouraging about projects and extracurricular activities. So there's great scope for learning.

Ekata R, Developer , HighQ Software.



The RRCE experience is one that holds many pleasant memories for me. I began the journey as a scared rat out in the open desert, but made the best of it and trudged forward becoming a willful tiger. And our CS department is the best place forever, where I learnt a lot of things, fun & enjoyed each and every moment. I just can't imagine how the time flew away while I enjoying my college life with my friends and faculty fraternity. It's most important memory place of my life. Only that I felt bad is about Placement in RRCE.

Nayana Kumari, Software Developer, Amber IT MINDS



I believe that RRCE is really the best place to learn about the world. Faculty of CSE is committed to assisting students in making a much better professional career. This is the best avenue for meeting a lot of people and to spend time with them for 4 years, to share life experience and to learn many new things. It's like reopening and refreshing our life and making it full of new feelings and opportunities. No doubt the four years spent at RRCE is one of the best moments of my life.

RamyaShree, Software Developer, Hewlett-Packard

