RajaRajeswari College of Engineering
Kumbalgodu, Mysore road, Bangalore-560074
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
NEWSLETTER
TECHNISHAD

Principal's MESSAGE

The news letter is knowledge sharing platform representing the varied creativity of students and staff of the college. It is my pleasure to congratulate the HOD, faculty members & students for their efforts in bringing this Newsletter, a mirror of the students enthusiasm and achievements. It is great to find a considerable number of winners and participants in co curricular and extracurricular activities which certainly prove that our staff and students are adequately equipped and possess necessary skill-sets to bring such laurels to the institution .

Dr. M.S. BhagyaShekar

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 , Soft skills 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. Usha S

EDITOR'S NOTE

The main idea of a newsletter is to share information and achievements of the department and the students. In this issue we have information like paper publications, sketching and photographs from our staffs and current students. I hope further issues be more informative and interesting. Any suggestions or feedback is must welcome and highly appreciable.

Dr. Usha S , Mr. Sreenivasa B R

INSIDE THIS ISSUE

WHATS INTERESTING

EDITORIAL BOARD

1. **Dr. Usha S**
    Professor & Head
    Dept. of CSE,RRCE.

2. **Mr. Sreenivasa B R**
    Assistant Professor,
    Dept. of CSE,RRCE.

3. **Mr. Deepak Kumar**
    8th Sem,
    Dept. of CSE,RRCE.

DEPARTMENTAL ACTIVITIES

- Intake is increased from 60 to 120 students.

- New PG program in M.Tech COMPUTER NETWORK AND ENGINEERING with an intake of 18 .

- Workshop on "Java & Web Technologies" by Mr. Ashok Kumar ,Application Developer IBM, AKLC – India ,on 5th and 6th Aug 2013

- One day technical seminar on **"Android – The Future in Mobile Computing"** by Mr. Suman Kumar , Manager- Technology, Inforce Computing & MC member of CSI on 7th Sept 2013

- Faculty Development Program on "Enhancing the Academic Skills" on 26 to 28 Dec 2013.

- Technical Seminar (CSI Sponsored) on "Cloud Computing And Technical Events " by Mr. Suresh Saranya technological founder and CEO on 22nd March 2014.

- Dr. USHA S, Professor & Head, Dept. Of CSE ,reviewed the Papers at International Journal of Communication Systems ""HYCLRP: A Hybrid TDMA/CDMA Cross Layer Routing Protocol For Wireless Sensor Networks".

- Prof. Rajesh KS and Dr. Usha Sakthivel invited as a Chair Person in the National Conference held At DBIT.

FACULTY PUBLICATIONS

- Prof. Rajesh K S, Mr. Sreenivasa B R, Presented a paper on "Redundancy management of Multipath Secure routing for Intrusion Tolerance in Heterogeneous WSN" NCEEE-14, held on 5th June-2014 at HKBKCE, Pages 89-90.

- Mr. Sreenivasa B R, Presented a paper on "Detection and Verification of Neighbor positions Using NPV in MANET" NCEEE-14, held on 5th June-2014 at HKBKCE, Pages 84-85 .

- Dr.Usha S ,Presented a paper on "M-Crime File management system using android " National conference FCS'14 held on 15th-17th May-2014 at DBIT, Page: 72.

- Prof.Rajesh K.S,Presented a paper on "Modified Adhoc on-Demand Routing Protocol in Manet" National conference FCS'14 held on 15th-17th May-2014 at DBIT, Page: 3.

- Ms.Bhagya Lakshmi D N, Presented a paper on "A Load Balancing Technique in Public Cloud Storage " National conference FCS'14 held on 15th-17th May-2014 at DBIT.

- Ms.Anitha K ,Ms.Nandini G ,Presented a paper on "Privacy Preserving Dynamic Groups for Data Sharing in Cloud" National conference FCS'14 held on 15th-17th May-2014 at DBIT.

- Mrs.PoonamKumari , Presented a paper on "Security controls in Android systems" National conference FCS'14 held on 15th -17th May-2014 at DBIT.

- Mr.Gireesh H R ,Presented a paper on "The Privacy preserving Computing framework for mobile healthcare System " National conference FCS'14 held on 15th -17th May-2014 at DBIT, Page 35.

- Mr. Ajay M ,Presented a paper on "Stegnographied Video Broadcasting In Multirate Technology " National conference FCS'14 held on 15th -17th May-2014 at DBIT.

- Ms.Bhagya Lakshmi D N, Presented a paper on "Data Hiding in Cloud Computing" 4th national Level Conference on Information processing-14, held on 8th- 9th June-2014 at AMCEC, Pages 170-173.

- Ms.Bhagya Lakshmi D N, Presented a paper on "Biometric Security in ATM: A Survey" 4th national Level Conference on Information processing-14, held on 8th- 9th June-2014 at AMCEC, Pages 185-188.

- Dr.Usha S ,Presented a paper on "A Solution for Crime file management using android Application " 11 ISTE Karnataka State Student Convention held on 30th April-2014 at Shirdi Sai Engineering College, Page: 111.

- Ms. Anitha K, Presented a paper on "The overload Avoidance Using Virtualization in a Cloud" 4th national Level Conference on Information processing-14, held on 8th- 9th June-2014 at AMCEC, Pages115-118.

- Ms.BhagyaLakshmi D.N, Mrs.Poonam Kumari, Presented a paper on "Web Monitoring via SMS using android Phone "11 ISTE Karnataka State Student Convention held on 30th April-2014 at Shirdi Sai Engineering College.

- Dr.Usha S, Presented a paper on "M-Crime File management system using android " National conference FCS'14 held on 15th-17th May-2014 at DBIT, Page: 72.Mr. Auntin Jose, Presented a paper on "Detection and Relocalization for multiple spoofing attackers to secure data in Wireless Network" NCEEE-14, held on 5th June-2014 at HKBKCE, Pages 93-94.

- Mr. Gireesh H R, Presented a paper on "The pervasiveness of smart phones and body sensors in mobile healthcare monitoring", 3rd International conference on Network Infrastructure Management Systems, held on 27th-28th June 2014 at VJTI Mumbai-19, Pages58-61.
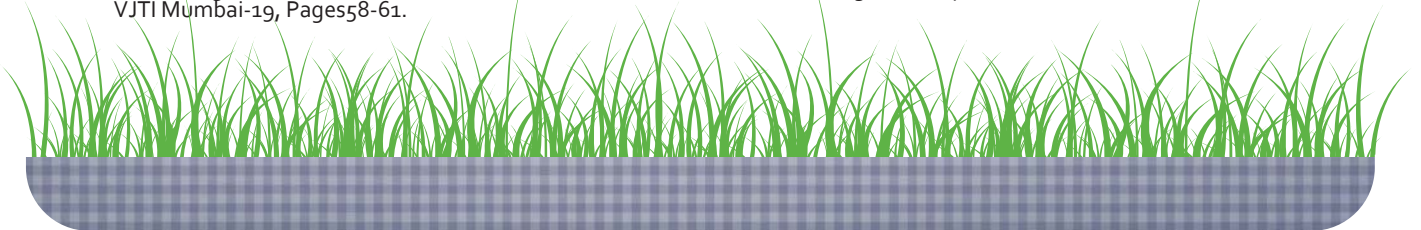
Contd..

- Dr.Usha S, Presented a paper on "Fortify Manets from invasion using hybrid cryptographic techniques" International Journal of Computer Networks and Wireless Communication, Volume 3, Number 2, ISSN: 2250 - 3501(Online), 2277 - 5307(Print), October 2013.

- Dr.Usha S, Presented a paper on "Analysis of Vibrational Signal of Industrial Equipment Through Short Time Fourier Transform" International Journal of Emerging Technology and Advanced Engineering , Volume 3, Issue 10, ISSN 2250-2459 (Online), October 2013.

- Dr.Usha S, Presented a paper on "ERBot – Emergency Rescue Bot" International Journal of Computer Networks and Wireless Communication, Volume 3, Number 2, ISSN: 2250 - 3501(Online), 2277 - 5307(Print),April 2013

- Dr.Usha S, Presented a paper on "An efficient IDRS approach to abolish the routing attacks in MANET" International Journal of Computer Networks and Wireless Communication, Volume 3, Number 1, ISSN: 2250 - 3501(Online), 2277 - 5307(Print),Feb 2013.

- Dr.Usha S, Presented a paper on "An adaptive EADR approach to purge the routing attacks in DSR" International Journal of Emerging Technology and Advanced Engineering, , Volume 3, Special Issue, ISSN 2250-2459 (Online), 1, January 2013.

- Prof.Rajesh KS,Presented a paper on Design and Implementation of AMRP for Multi hop Wireless Mobile ad hoc Networks" Int. J. Advanced Networking and Applications (IJANA) ISSN : 0975-0290 Volume: 04 Issue:04 Pages:1662-1666, Aug 2013.
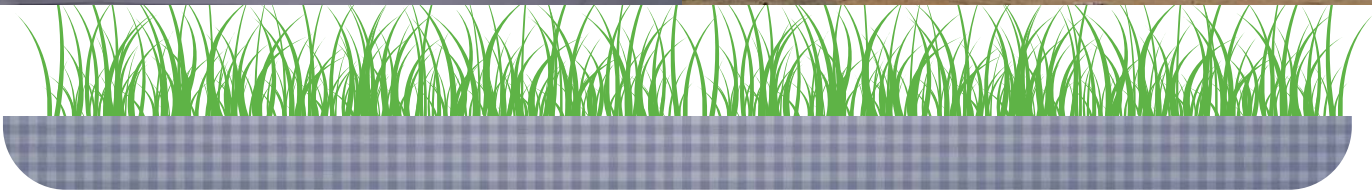
PROFESSIONAL SOCIETY ACTIVITIES

ONE DAY CSI TECHNICAL ACTIVITY

This function was aimed at providing a common platform for students and academicians on related fields and to explore & inspire them towards excellence in Computer Science and Technology. More than 200 students from streams like CSE,ISE and MCA participated in the day long activity.

The function started at 9.30am. This auspicious occasion was graced by the Technical Speaker of the function Mr. Suresh BG, CEO, Founder, Saranyu Technologies, Vice Principal Prof. M. Prabhakar, as president of the function, Organizing Secretary Dr. Usha S and Convener Prof. K.S. Rajesh

Guests inaugurated the function by lighting the lamp and all the dignitaries addressed the gathering about the glimpse of CSI..

After Inaugural function, Mr. Suresh BG delivered a technical talk on **"Introduction to Cloud Computing - A techno-business perspective"**. Winners of various technical events were awarded with prizes.

STUDENT ACTIVITIES

- Deepak Kumar Singh has qualified GATE-2014 examination with the rank 10519 out of 155190 candidates.

- Project titled "A SOFTWARE APPLICATION TO NAVIGATE USING GPS AND GOOGLE MAPS" has been sponsored by KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY which was developed by DEEPAK KUMAR SINGH, DIVYA M, BHANUSHALI LINESH and PRIYANKA S.

- Project titled "CLOUD BASED MANET APPROACH FOR CRIME PREVENTION STRATEGY" sponsored by KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY which was developed by ARPITHA N and GEETHA G.

- POORNASHREE M S AND DEEPASHREE secured 83.73% in 8th semester exams followed by POOJA BHAT securing 82.4% and CHETANA R JAVALI secured 81.87%.

- RAGHAVENDRA,NISCHAL,RAGURAM BHASKAR JOSHI, participated and Won 1st Prize In Volleyball intercollegiate VTU Sports held ad AMCE, Bangalore.

RAJARAJESWARI COLLEGE OF ENGINEERING
Mysore road, Bangalore-560074
(An ISO 9001-2008 Certified Institution)
(Affiliated to VTU, Belgaum, Approved by AICTE, New Delhi)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CSI STUDENTS CHAPTER - One Day Technical Activities
"Technical Seminar"
On
"Introduction to Cloud Computing - A techno-business perspective"

Guest of Honor
Mr. Suresh BG
CEO, Founder,
Saranyu Technologies

Technical Events:
Spot Programming,
Technical Quiz,
Program Debugging,
Technical Collage,
Mock Interview

Date: 22nd March, 2014
Venue: Auditorium, RRCE

Patron
MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

STUDENT PUBLICATIONS

- Arpitha N,Geetha G ,Presented a paper on "A Solution for Crime file management using android Application " 11 ISTE Karnataka State Student Convention held on 30th April-2014 at Shirdi Sai Engineering College, Page: 111.

- Sparshakala V ,Presented a paper on "Web Monitoring via SMS using android Phone " 11 ISTE Karnataka State Student Convention held on 30th April-2014 at Shirdi Sai Engineering College.

- Tushara S,Manasa Shekar ,Presented a paper on "The Privacy preserving Computing framework for mobile healthcare System " National conference FCS'14 held on 15th-17th May-2014 at DBIT, Page 35.

- Arpitha N , Srikanth K R ,Presented a paper on "M-Crime File management system using android " National conference FCS'14 held on 15th-17th May-2014 at DBIT, Page: 72 .

- Sparshakala V S, Jyothi Rathod, Kavya G, Presented a paper on "Modified Adhoc on-Demand Routing Protocol in Manet" National conference FCS'14 held on 15th-17th May-2014 at DBIT, Page: 3.

- Poornashree M S, Aishwarya B C, Anusha Pai H, Meghana M ,Presented a paper on "Detection and Verification of Neighbor positions Using NPV in MANET" NCEEE-14, held on 5th June-2014 at HKBKCE, Pages 84-85 .

- Bhagyalakshmi P, Vidhya J ,Presented a paper on "Redundancy management of Multipath Secure routing for Intrusion Tolerance in Heterogeneous WSN" NCEEE-14, held on 5th June-2014 at HKBKCE, Pages 89-90.

- Sushma G, Vinaya Shetty, Presented a paper on "Detection and Relocalization for multiple spoofing attackers to secure data in Wireless Network" NCEEE-14, held on 5th June-2014 at HKBKCE, Pages 93-94.

- Swathi , Presented a paper on "Data Hiding in Cloud Computing" 4th national Level Conference on Information processing-14, held on 8th-9th June-2014 at AMCEC, Pages 170-173.

- Raghuram Bhaskar Joshi, Presented a paper on "Biometric Security in ATM: A Survey" 4th national Level Conference on Information processing-14, held on 8th-9th June-2014 at AMCEC, Pages 185-188.

- Anush Kumar, Yogesh S, Chethan Kumar H V , Presented a paper on "The overload Avoidance Using Virtualization in a Cloud" 4th national Level Conference on Information processing-14, held on 8th-9th June-2014 at AMCEC, Pages115-118.

- Shruthi M Shinde , Annapurna R, Amrutha G N , Ankitha S M , Presented a paper on "QR Code based navigation System Using Cloud Computing" 4th national Level Conference on Information processing-14, held on 8th-9th June-2014 at AMCEC, Pages119-122.

- Priyanka S, Chetana R Javali, Presented a paper on "The pervasiveness of smart phones and body sensors in mobile healthcare monitoring", 3rd International conference on Network Infrastructure Management Systems, held on 27th-28th June 2014 at VJTI Mumbai-19, Pages 58-61.
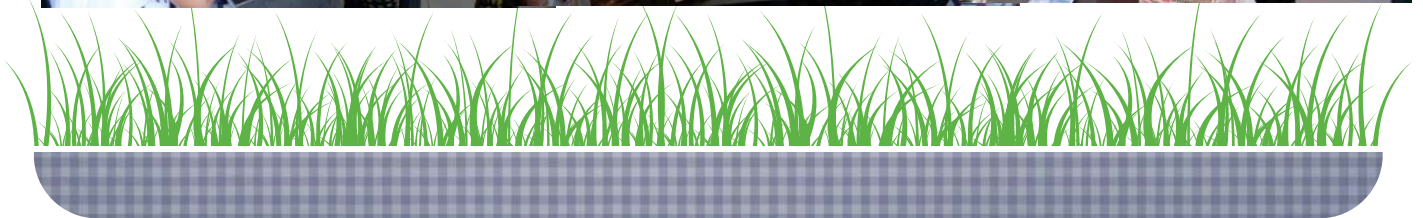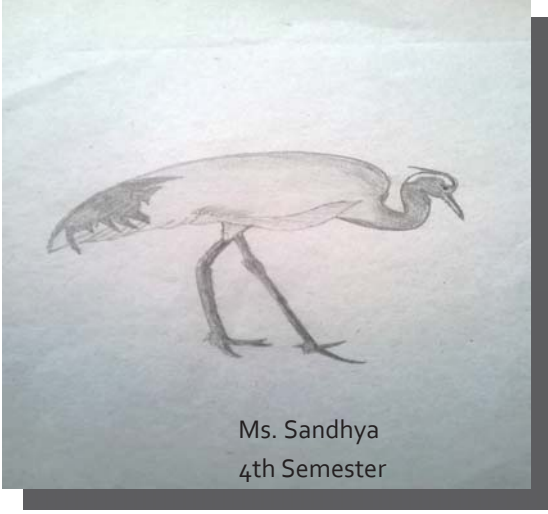
Ms. Sandhya
4th Semester

Mr. Raghuram Joshi

8th Semester

©lick By: Raghuram Joshi

Mr. Raghuram Joshi

8th Semester

©lick By: Raghuram Joshi

ಮರಗಳ ಮನವಿ

ಕಲ್ಲನ್ನು ಎಸೆದರೂ ಹಣ್ಣನ್ನೇ ಕೊಡುವ
ಬಿಸಿಲಲಿ ನಿಂತರೂ ನೆರಳನೇ ನೀಡುವ
ಹಕ್ಕಿಪಕ್ಕಿಗಳಿಗಾಶ್ರಯಿಸ್ನ್ನೀಯುವ
ನಮ್ಮನ್ನೇತಕೆ ಕಡಿಯುವಿರಿ?

ನಮ್ಮಿಂದಲ್ಲವೇ ಇಳೆಬೆಳೆ ಹಸಿರು
ನಮ್ಮಿಂದಲ್ಲವೇ ಜೀವಕೆ ಉಸಿರು
ನಮ್ಮಿಂದಲ್ಲವೇ ಎಲ್ಲಡೆ ಚೇತನ
ನಮ್ಮೊಡನೇತಕೆ ನಿಮ್ಮಯ ಹಗೆತನ?

ಇಲ್ಲಿದೆ ಗಿಳಿಗಳ ಸಿಹಿಕಹಿ ಮಾತು
ಕೋಗಿಲೆ ಹಾಡಿನ ನಾದದಿ ಬೆರೆತು
ಕೇಳುವಿರೆಲ್ಲರು ನೆರಳಲಿ ಕುಳಿತು
ಮರೆವಿರಿ ನಿಮ್ಮಯ ನೋವಿನ ನೆನಪು!

ಪರಿಸರದಲ್ಲಿನ ವಿಷಾನಿಲ ಹೀರುವ
ಪರಿಶುದ್ಧಗಾಳಿಯ ಕಂಪನ–ಬೀರುವ
ಓಝೋನ್ ಪದರಿನ ರಕ್ಷಣೆ ಮಾಡುವ
ನಮ್ಮನ್ನೇತಕೆ ಕಡಿಯುವಿರಿ?

ಮನಚರೆ ಕೇಳಿರಿ ದಯವಿಟ್ಟು
ಮರಗಳ ಮನವಿಯನ್ನೊಂದಿಷ್ಟು
ಉಳಿಸಿರಿ ಬೆಳೆಸಿರಿ ನಮ್ಮನ್ನು
ರಕ್ಷಿಸಿಕೊಳ್ಳಿರಿ ನಿಮ್ಮನ್ನು!

ಇಂದ,
ಶ್ರೀನಿವಾಸ ಬಿ.ಆರ್.
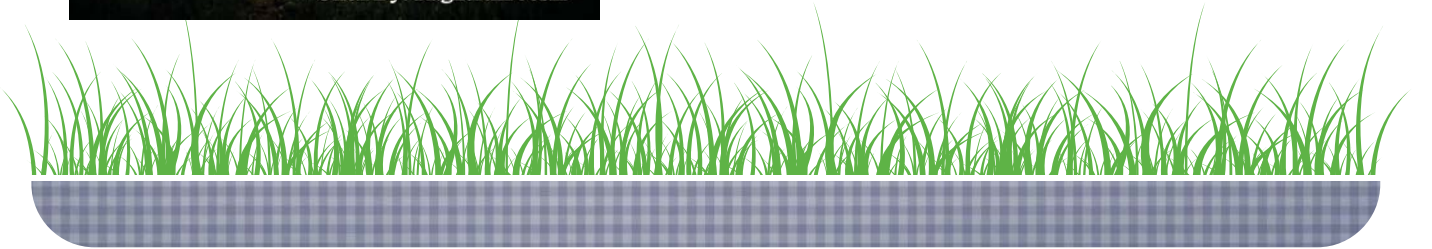
PUZZLES

1. BUYING TURKEYS

A man bought a number of turkeys at a cost of $60.00, and after reserving fifteen of the birds he sold the remainder for $54.00, thus gaining 10$ a head by these. How many turkeys did he buy?

2. PROSPEROUS BUSINESS

A man started business with a capital of $2,000.00, and increased his wealth by 50 per cent every three years. How much did he possess at the expiration of eighteen years?

3. PUSSY AND THE MOUSE

"There's a mouse in one of these barrels," said the dog.

"Which barrel?" asked the cat.

"Why, the five hundredth barrel."

"What do you mean by the five hundredth? There are only five barrels in all."

"It's the five hundredth if you count backwards and forwards in this way."

And the dog explained that you count like this:

1	2	3	4	5
9	8	7	6	
	10	ll	12	13

So that the seventh barrel would be the one marked 3 and the twelfth barrel the one numbered 4.

"That will take some time," said the cat, and she began a laborious count. Several times she made a slip and had to begin again.

"Rats!" exclaimed the dog. "Hurry up or you will be too late!"

"Confound you! You've put me out again, and I must make a fresh start."

Meanwhile the mouse, overhearing the conversation, was working madly at enlarging a hole, and just succeeded in escaping as the cat leapt into the correct barrel. "I knew you would lose it," said the dog. "Your education has been sadly neglected. A certain amount of arithmetic is necessary to every cat, as it is to every dog. Bless me! Even some snakes are adders!"

Which was the five hundredth barrel? Can you find a quick way of arriving at the answer without making the actual count?

4.

A train leaves City X for City Y at 15 mph. At the very same time, a train leaves City Y for City X at 20 mph on the same track. At the same moment, a bird leaves the City X train station and flies towards the City Y train station at 25 mph. When the bird reaches the train from City Y, it immediately reverses direction. It then continues to fly at the same speed towards the train from City X, when it reverses its direction again, and so forth. The bird continues to do this until the trains collide. How far would the bird have traveled in the meantime?

Alumni's Corner

College comes and goes like a wind. What is left behind is a bunch of memories which I cherish for the rest of my life—showing it to my relatives, friends and everyone. Department was too friendly and Good Knowledgeable Staffs'. I am proud to say I am the student of RRCE— "These were MY GOLDEN DAYS"..I LIVED IT AL...!!!

Bhagyalakhmi ,Associate Network Engineer, Mphasis.

I Shreyas S of batch 2014,had an excellent experience in RRCE College. My 4 years of journey was very enriching and fascinating. The staff of RRCE is very friendliest. They help us in every possible way. The Lecturers are very much qualified and are very good in teaching. Each and every individual is given personal training and made to understand well. Lecturers are very supportive and help us in all aspects. The placement program has improved day by day. Numerous companies have come forward for the placements. The number of students getting placed has increased rapidly. Even after the completion of my undergraduate degree, lecturers have been helpful. I sincerely thank them for their support.

Shreyas S ,MS .

I was lucky enough to get into this college, especially to computer science department where the faulty is very friendly who are with us in each and every aspect with respect to academics. Not only in academics but also in all the extracurricular activities, all the faculty members motivated us. Also in my final semester, while doing project, I have got very good guidance from the lectures because of which I could score well in both internals as well as externals. Now being passed out in 2014 I really miss my college and my teachers .

Thushara, Test Engineer ,Tech Mahindra .

My college life was certainly an experience. "Experience is what you get when you didn't get what you wanted." some great guy has said that, Not getting things that I applied for. Not fitting into the group of people that I wanted to be friends with. Not achieving the grades I wanted (and kind of assumed I would get). That's just a whole lot of experience right there.

Also about the Department, CSE is one of the fine places to learn, (although we enjoyed more than reading), the programming skills i developed during the college life has been helping me a lot in the company. The staff in the department is super ,friendly and are always approachable. Life at RRCE was one of the most memorable part of my life which i hope to never forget.
Sachin Kulkarni ,Database developer ,Razorsight .